

Catalogue of PALAEARCTIC DIPTERA

Trichoceridae — Nymphomyiidae

VOLUME

1

Á. SOÓS (Editor)

L. PAPP (Assistant Editor)

Assistant Editor for Vol. 1

P. OOSTERBROEK

HUNGARIAN NATURAL HISTORY MUSEUM

CATALOGUE OF PALAEARCTIC DIPTERA

VOLUME 1

TRICHO CERIDAE — NYMPHOMYIIDAE

CATALOGUE OF PALAEARCTIC DIPTERA

Board of Editors

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

VOLUME 1: TRICHO CERIDAE — NYMPHOMYIIDAE

1992. 520 pp. + 1 map

- VOLUME 1: Trichoceridae — Nymphomyiidae, 1992
- VOLUME 2: Psychodidae — Chironomidae, 1990
- VOLUME 3: Ceratopogonidae — Mycetophilidae, 1988
- VOLUME 4: Sciaridae — Anisopodidae, 1986
- VOLUME 5: Athericidae — Asilidae, 1988
- VOLUME 6: Therevidae — Empididae, 1989
- VOLUME 7: Dolichopodidae — Platypezidae, 1991
- VOLUME 8: Syrphidae — Conopidae, 1988
- VOLUME 9: Micropezidae — Agromyzidae, 1984
- VOLUME 10: Clusiidae — Chloropidae, 1984
- VOLUME 11: Scathophagidae — Hypodermatidae, 1986
- VOLUME 12: Calliphoridae — Sarcophagidae, 1986
- VOLUME 13: Anthomyiidae — Tachinidae, in preparation
- VOLUME 14: Index to volumes 1–13, in preparation

14331

CATALOGUE OF PALAEARCTIC DIPTERA

VOLUME 1

TRICHOCERIDAE — NYMPHOMYIIDAE

Editor

Á. SOÓS

Zoological Department
Hungarian Natural History Museum
Budapest, Hungary

Assistant Editor

L. PAPP

Zoological Department
Hungarian Natural History Museum
Budapest, Hungary

Assistant Editor for Vol. 1

P. OOSTERBROEK

Institute of Taxonomic Zoology
University of Amsterdam
The Netherlands

Akad k
640.370

HUNGARIAN NATURAL HISTORY MUSEUM

MTAK



0 00002 36330 1

640.370

640370

CATALOGUE OF PALAEARCTIC DIPTERA
PALAEARCTIC DIPTERA

MAGYAR
TUDOMÁNYOS AKADÉMIA
KÖNYVTÁRA

R

1995-2008

ISBN 963 05 3910 1 (Series)
ISBN 963 70 9310 9 (Vol. 1)

All rights reserved. No part of this book may be reproduced by any means, or transmitted, or translated into machine language without the written permission of the publisher.

© Hungarian Natural History Museum, Budapest 1992

Printed in Hungary

M. TUD. AKADÉMIA KÖNYVTÁRA

Könyvtár: 4887.19.92. sz.

Contents

Introduction to Volumes 1-13 (Á. Soós and L. Papp)	7
History of the Catalogue of Palaearctic Diptera	7
Structure	9
Genera and their type-species	11
Species names, type-localities	12
Distribution	13
Literature data, references	16
Dates of publication	17
Readers	18
Acknowledgements and closing remarks	18
List of contributors (Vols 1-13)	21
Type-species designations in Volume 1	29
New names proposed in Volume 1	29
Families in Volume 1	31
Trichoceridae (C. Dahl)	31
Tanyderidae (R. Wagner)	37
Blephariceridae (P. Zwick)	39
Deuterophlebiidae (L. Jedlička)	54
Tipulidae (P. Oosterbroek and Br. Theowald)	56
Cylindrotomidae (Á. Soós and P. Oosterbroek)	179
Limoniidae (E. N. Savchenko, P. Oosterbroek and J. Stary)	183
Ptychopteridae (R. Rozkošný)	370
Nymphomyiidae (L. Jedlička)	373
Bibliography	375
Index	464

Introduction to Volumes 1 – 13

Á. Soós and L. Papp

History of the Catalogue of Palaearctic Diptera

In 1965, a new phase began in the science progress of dipterology: in that year "A Catalog of the Diptera of America North of Mexico", the result of the collaboration of American dipterologists was published. This excellent work, still usable today, set off the elaboration and subsequent publication of the catalogues of the other large Regions (1966--: A Catalogue of the Diptera of the Americas South of the United States; 1973-1977: A Catalog of the Diptera of the Oriental Region; 1980: Catalogue of the Diptera of the Afrotropical Region; 1989: Catalog of the Diptera of the Australasian and Oceanian Regions). Now, as we are editing the last volume of the C.P.D., only some chapters of the Neotropical Catalogue are still outstanding. Conditions are now ripe for the preparation of the World Catalogue of Diptera (which, however, will surely not be presented as volumes printed by typographical means).

The C.P.D. was initiated by Hungarian workers, whose sole merit is to have proposed it in the appropriate place and time. The seventh Symposium of the SIEEC (Societas Internationalis Entomofaunisticae Europae Centralis) was held on 19-24 September 1977 in Leningrad. More than half of the potential (and later actual) authors of the Catalogue attended this convention and had assembled in a special workshop to discuss the proposal for the Catalogue. A tentative "first" roll of the authors had been drawn up and also the first Board of Editors met in session. The Publisher and the place of publication were found only later. Supported, that is, mediated/advocated by the Section of Biological Sciences, Hungarian Academy of Sciences, The Akadémiai Kiadó, Budapest (publishing house of the Academy) undertook publication. It was but the corollary of this decision that the Editor-in-Chief was appointed. In the wake of personal discussions held by the Board of Editors and with recourse also to correspondence, the final form of the C.P.D. was agreed upon (see below)*.

It was in December 1978 that the Editor-in-Chief sent out the first circular letter. This contained an appeal to the authors selected, and asked, in case of positive answer, the probable size of the manuscript and an indication of the predictable time date of its submittance; directives concerning the formal execution of the manuscript were also enclosed (these had not changed even later, only complemented). The second circular - without date - was mailed on 27 - 28 March, 1979. In this the Editor-in-Chief, acting

* During publication, the Board of Editors did not function according to the original plan, e.g. the Board had never been able to convene with the majority of members present. The travels of the Editor-in-Chief to Leningrad and Berlin, and the consultations of the Editors with Czechoslovakian colleagues (R. Rozkošný, M. Chvála, etc.), largely supplemented the meetings of an unhindered Board.

on behalf of the Board of Editors, gave exact instructions on formal specifications, on the formulation of the distribution data and also stated, in reply to the reports of the authors, as to which catalogue of which fly family (or families) is (are) to be submitted and on which date. The third letter answered questions on some formal problems and remarks put forward by the authors selected, and thereby completed the formal requirements. Enclosed every author received a map of the Soviet Union showing regional subdivisions, this was constructed by the Soviet members of the Board of Editors and then published in every volume. The Editor-in-Chief enclosed the proposed arrangement of the families and their authors in the Catalogue (then still planned for 4 volumes). The fourth circular was dated 25 August 1981. In this, the Editor-in-Chief gave certain suggestions as to the layout of the manuscripts based on decisions which concerned some faults in the formal presentation of the manuscripts already received; a "sample page" was also sent out. Also enclosed was the manuscript of the introduction to Vol. III (later vols 9 and 10). The Editor-in-Chief and the Board of Editors had no intention to send out additional circular letters. By then the manuscripts of the originally contemplated volume III (the Acalyptrate fly families) had already arrived, their reading and editing was under way. After having surveyed the incoming manuscripts the Editors contended that a publication in 7 volumes of the material will be more practical, since 4 volumes would be intractably bulky. By October 1983, the Acalyptrate volume was in the phase of *imprimatur*, but representatives of the Akadémiai Kiadó, Budapest and of the Elsevier Science Publishers (Amsterdam) decided, after lengthy discussions, that the C.P.D. will be a joint publication venture. They also resolved that the series will be published in 14 volumes, the last one containing the cumulative indices. The Editors reacted variously to the preposterous notion that a work in the state of *imprimatur* (with complete bibliography and index!) be cut in two. In any case this act explains why the bibliographic data of some works are missing from the bibliography of volumes 9 or 10. In these circumstances the Editor-in-Chief thought that the authors must be informed of these untoward developments. Thus the fifth circular letter briefly announced the joint publication of the C.P.D., it submitted the composition of the 14 volume issue, and affirmed the deadline 31 December 1982 as the one which still permits the inclusion of new taxa into the Catalogue. Attention was also called to the provisions of the Code concerning the original spelling of the names.

Accordingly, Volumes 9 and 10 were published on 15 October, 1984; they were followed irregularly by the other ones, until we had arrived, in 1991, to the completion of the manuscript of Volume 1, the last in the order of publication (Volume 14, comprising the cumulative indices will shortly be finished).

It was but natural that in compiling the new C.P.D., every author took as a starting point the "Katalog der paläarktischen Dipteren", the first and until recently the only palaearctic fly catalogue which was written by Th. Becker, M. Bezzi, K. Kertész and P. Stein, under the direction of Kálmán Kertész, and published in four volumes in Budapest (1903-1907). The other work, mandatory to be consulted, was the immense series "Die Fliegen der paläarktischen Region", initiated in 1924 and edited by Erwin Lind-

ner; indeed, he wrote it during his entire lifetime, with the cooperation of many an excellent specialist of dipteran groups.

The main endeavour of all members of the Board of Editors was to obtain the best specialists as authors for the given dipteran groups. We have met with a number of difficulties. Looking back after the event, it was perhaps not wholly correct to have asked authors principally from European countries (at least this was not justified, subsequently, by any practical points of view). Some really excellent specialists who had at first agreed to participate had later withdrawn and thus the Editor-in-Chief found himself several times in a difficult situation (for instance, for some families, e.g. the Agromyzidae and Anthomyiidae, the substitute authors undertook only compilatory work). In one or two cases the actually best specialist of the given fly family had not ventured to submit a catalogue because prior to our request he had not, or only slightly, worked with the species of the Palearctic Region.

The Catalogue contains the basic taxonomic, nomenclatorial and distribution data of all species described from the Palearctic Region, and also of those known from it (besides the fundamental morphological features of the majority of fly groups).

The period of the Catalogue extends from 1758 to 31 December, 1982. In Volumes 9 and 10 the authors had closed their manuscripts either by the end of 1980 or (in fewer cases) by the end of 1981. Since, however, the publication of the Catalogue appeared to have become prolonged, some of the authors requested to have included in their manuscripts also taxa described after 1982. As is to be seen in the introductions of later volumes, the Editor-in-Chief agreed to have the results of larger taxonomic revisions incorporated in the Catalogue, in order that the reader find synonymies and homonyms published after 1982 in their proper places, but we thought that the inclusion of taxa described after 1982 would later cause confusion. However, some authors insisted on their chapters to be "up-to-date"; these cases are referred to in the introduction of several volumes.

Structure

As far as the structure of the 14-volume Catalogue is concerned, every volume is subdivided into two parts. Every volume carries an Introduction of 5-6 pages which contain the followings: table of contents, detailed information concerning the order of sequence and abbreviations connected with the distribution of the species, with a map included; the number of divers taxa treated in the volume, comprising also the emendations, errors, misidentifications, nomina dubia and the dubious species and genera; the new type-species designations and new (substitute) names proposed (if at all existing), and the addresses of the authors with indication of their family or families treated by them. The only exceptions are Volume 9 (published as the first one of the series) as well as the present Volume 1, the latter containing a detailed general information covering the entire series.

The second part of each volume is again subdivided into two sections. The treatment of every family begins with a brief (1/2-2 pages or an exceptionally longer) introduction containing the diagnosis of the family, a short characterization of the imago and larva (if known), their life-history and bionomics, the distribution and number of the species (unfortunately, a datum occasionally absent owing to the Editor's oversight). Some authors discuss subsequently the fossil species, but these have not been included in the Catalogue. The brief introduction ends with a reference to the most important authors of papers dealing with the family in question, their names followed by the year of publication; some authors added in parentheses the character of these works (revision, keys, larvae, biology, etc.). Respecting authorship licence, the Board of Editors had not examined how far the several authors had used their freedom of action and thus the introductory parts of the families are very heterogeneous.

The second part in the family text is the catalogue itself. In this part every taxon is followed not only by the name of the author and the date of publication but also by an abbreviated reference to bibliography, and in the case of every species the original combination (generic name) is given in brackets, even if the species still belongs in the genus to which it was originally assigned. This is followed by the type-locality and distribution data. A special chapter will also treat this latter in detail (see below). Each volume is closed by the respective Bibliography and Index.

No suprafamiliar relegation of the families appears in the Catalogue. We contend that a catalogue should not take a stand for any point in higher systematics. This incurs a certain conservatism concerning the limits, content and order of sequence of the fly families. We have therefore dispensed also with the application of serial numbers for the families. The Board of Editors had unanimously decided that as to the sequence of the families, and only to their sequence (and merely with some minor deviations), we shall follow the sequence of families as given in the "Opredelitel'... 5(1,2), Leningrad, 1969-70", a work generally known and used, and published uninterruptedly and nearly void of any suprafamiliar classification. This starting point wellnigh made it mandatory for the Board of Editors to give freedom to the authors to fix the content and limits of the families unequivocally.

It follows partly from the aboves that the grade of elaboration of the families treated in the Catalogue is rather varying, principally because the preparation of the manuscripts had in most cases not been preceded by a complete or partial revision of the family (and such a condition could never have been made by the Board of Editors!). Naturally, if a previous revision had recently been done, this part of the Catalogue or this part of the family, reflects its optimal status. In every other case, the Catalogue reveals but the present state of investigation of the respective family. If this be actually so, responsibility rests solely with the authors or specialists of the families.

Except for the genera, the name of the subfamily, tribe or subgenus is preceded by these designations, irrespectively of their typographic differences.

In rare cases, some authors inform on the bibliography of some smaller or larger taxonomic groups (e.g. Simuliidae) also in the Catalogue part proper.

Genera and their type-species

Since there was no stipulation concerning the order of sequence of the genera within the frame of the family, they follow one another either alphabetically, or according to subfamilies and tribes, or in a generally accepted and used systematic succession. Below the generic name appear the abbreviated bibliographic data of its description; it follows in parentheses if it was originally described as a subgenus, if the currently valid name is a new name for an earlier generic name: in this latter case the type-species paragraph ends with the symbol "(aut.)" (automatic). Generic names in synonymy appear in a chronological and not in an alphabetic order. Among the generic synonyms the justified or unjustified emendations and the incorrect spellings are also given, as well as the generic name fixed by the I.C.Z.N. ("Official list..."), with the corresponding bibliographic citation. In the case of genera subdivided into subgenera, the names of the subgenera also appear as the subjective synonyms of the valid generic name (cf. Code 23 c, 43, on the coordinated categories).

The type-species of the genus is followed in brackets by the means of designation (mon. = monotypy, or orig. des. = original designation). In the case of subsequent designation of the type-species, the bibliographic data are also given, e.g.:

Type-species: *Discomyza cimiciformis* HALIDAY, 1855: Nat. Hist. Rev., 2: 124 (des. BECKER, 1926: 56a. Ephydriidae, Fliegen pal. Reg., 6(1): 124).

In the case of mon. or orig. des. type-species (1) the abbreviated bibliographic data follow the name of the author and the date of publication. (2) If the type-species was designated concurrently with the description of the genus, then, for the sake of obviating repetitions, no abbreviated bibliographic data but only a reference to it (l.c.) and the page number are given after the name of the type-species, its author and the date of publication. (3) If the type-species of the genus does not occur in the Palaearctic Region, the remark "; not Palaearctic" appears after the data mentioned above. (4) If the type-species was subsequently found to be a junior synonym or more rarely a homonym, the valid name is given in square brackets following the means of designation of the type-species. Four examples:

(1) **Coremacera** RONDANI, 1856

RONDANI, 1856: Dipt. Ital. Prodrum., 1: 106.

Type-species: *Musca marginata* FABRICIUS, 1775: Syst. entom.: 784 (orig. des.).

(2) **Mycterella** KERTÉSZ, 1912

KERTÉSZ, 1912: Annls hist.-nat. Mus. natn. hung., 10: 541.

Type-species: *Mycterella jovis* KERTÉSZ, 1912: l.c.: 542 (mon.).

(3) **Liodrosophila** DUDA, 1922

DUDA, 1922: Arch. Naturgesch., **88A**(4): 153.

Type-species: *Camilla coeruleifrons* DE MEIJERE, 1911: Tijdschr. Ent., **54**: 421 (des. OKADA, 1956: Syst. Study Drosophilidae Japan: 57); not Palaearctic.

(4) **Brachydeutera** LOEW, 1862

LOEW, 1862: Smithson. misc. Collns, **6**(1): 162.

Type-species: *Brachydeutera dimidiata* LOEW, 1862: l.c.: 163 (mon.) [= *argentata* (WALKER, 1853)]; not Palaearctic.

Species names, type-localities

The currently valid specific and subspecific names appear - irrespectively of the order of sequence of the genera (see there) within the family - invariably in an alphabetical order, while the specific synonyms are entered chronologically.

New synonyms are not often published in the Catalogue; should, however, one be communicated first here, it is **not** marked as "syn. n.".

In the cases of both the currently valid and synonymous specific names and after the bibliographic reference, the generic name appears in brackets, irrespectively whether the species was originally relegated to it or whether it is a new combination. Currently valid species which cannot, according to our present information, be assigned to any genus or subgenus are published in a special place.

Misidentifications, erroneous spellings, emendations are given only if necessary, especially as regards incorrect determination and if, for the latter two, we could not decide whether they represent errors or emendations; in such cases we used the term "error or emend.". In most cases attention is called to these by a colon (:) after the name of the taxon.

Dubious species or genera have been relegated by the authors after the treatment of the family or - depending on the state of investigation of the family - after the genus (or subgenus); they also appear alphabetically, with the following data: abbreviation of bibliographic source of the description, bracketed generic name in which it was originally described, and finally the type-locality, as, for example:

bergenstammi CZERNY, 1932: 50. Lauxaniidae, Fliegen pal. Reg., **5**(2): 11
(*Homoneura*). Type-locality: "Wahrscheinlich aus Niederösterreich" (Austria).

As for the type-locality we have strictly adhered to its designation as given in the original description. In the case of subsequent changes of the geographic name authors usually give a currently valid name after a sign of equality in square brackets. The form

of communication is not wholly uniform: in the majority of cases the type-locality is cited - between quotation marks or without them - in the language of the description. In certain cases, when the author of the species gave several type-localities, a subsequent author, revising the family or a smaller taxonomic unit, fixed the type-locality by the designation of the lectotype (or more rarely the neotype). Some authors, again, translated the type-locality and the relevant data into English - in such cases the type-locality will not appear in quotation-marks. If the type-locality was not generally known, some authors gave also the bracketed name of the country after the communication of the type-locality (-ties).

If the type-locality was not given in the original publication, the authors used the term "not given". If on the basis of the residence, nationality, or the title of the work an inference can be made at the type-locality then, after the abbreviation mentioned above, the authors submitted in brackets the assumed name of the type-locality, either with a question-mark or without it; if the title of the work refers unequivocally to a geographic area, then a remark is often followed by the expression "from title". If, in the case of German localities before 1945, the author resolved in which Germany it lies, then he used the reference [D] or [DDR] in square brackets at the very end of the text. The use of these symbols have occasionally been discounted in the latest Volumes 2, 13, and in the present Volume 1.

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 also here, 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 southwestern confines of Pakistan.

Distribution categories vary according (1) to far-ranging and well-known species, (2) to those occurring in relatively small areas, or (3) to those which are also far-ranging, but with localities fairly scattered within the Palaearctic Region. In the first case, the authors were free to use the term "Holarctic", "Circumpolar", "all parts of Europe", "Northern and Central Europe", etc., taking care that the application cover the actually known range of the species. In the latter two cases, the localities are listed per country, in the following order: Europe (excepting the Soviet Union), the Soviet Union, Asia (excepting the Soviet Union), North Africa, islands in the Atlantic Ocean; if necessary, also extra-Palaearctic areas. If one or more localities of distribution are doubtful, the name of the country or region is preceded by a question-mark.

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

Europe (excl. the 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	-	The 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

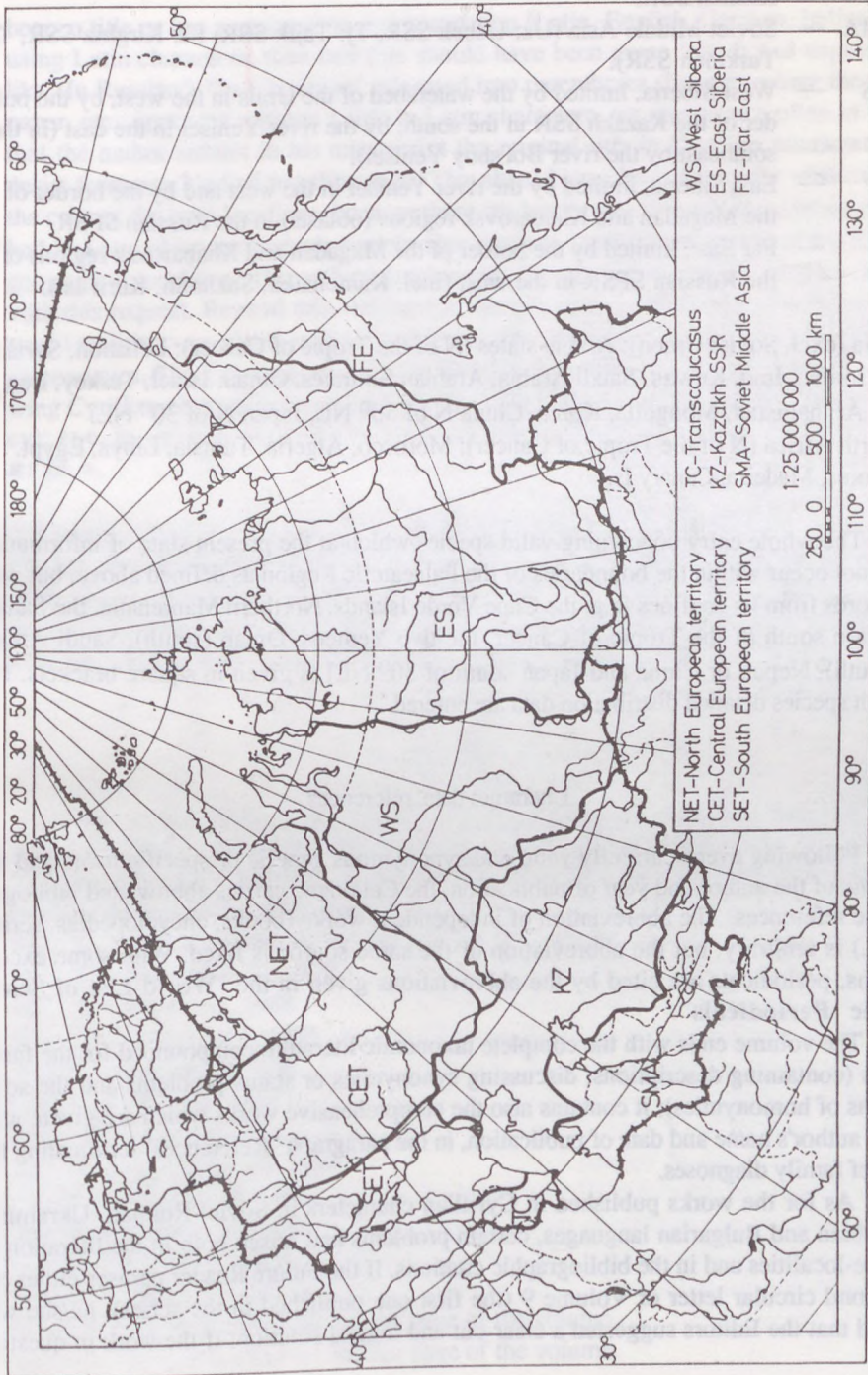
*Remarks

It is hereby emphatically stated that no political bias is involved in the following designations:

1. Ireland. The Irish island is considered as merely 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 datum, it is written in full and without any attributes.
3. As a type-locality or distribution datum, 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.

The 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 (oblasts) 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): Arabic 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 from its confines [e.g. the Cape Verde Islands, Northern Mauretania, 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.

Literature data, references

Following every currently valid and synonymous generic or specific name and the name of the author and year of publication, the Catalogue carries abbreviated bibliographic references. The abbreviation of independent works (books, encyclopedias, series, etc.) is arbitrary, but the abbreviation of the same source is fixed. With some exceptions, periodicals are cited by the abbreviations given in the "World List of Scientific Periodicals".

The volume ends with the complete taxonomic literature compounded for the families (containing descriptions, discussing synonymies or status problems and the solutions of homonymies); it contains also the comprehensive works which are given, with the author's name and date of publication, in the paragraph "References" terminating the brief family diagnoses.

As for the works published in Cyrillic characters in Soviet-Russian, Ukrainian, Serbian and Bulgarian languages, certain problems had arisen both in the literation of type-localities and in the bibliographic citations. If the Future Reader peruses either our second circular letter or Volume 9 (the first one published in the series), he/she will find that the Editors suggested a clear-cut and logical solution: If the work in question

bears a title or has a synopsis in any translation (Latin, English, German, Italian, etc.) using Latin characters, then this title should have been given (cited) and expressions like "In Russian", "In Ukrainian" relegated into parentheses. In cases where the book, paper, etc., appeared without a title in Latin characters, we requested - often in vain - that the author submit in his manuscript the original title in Cyrillian characters and desist from any kind of transliteration. This should have been especially vindicated in the case of the type-localities, because there are hardly any manuals/summaries published in Latin characters which contain also the type-localities or names of the smaller geographic localities. The authors (including often the Soviet ones) failed to comply with this request. Beyond this, neither the transliteration is uniform*, and thus certain type-localities - as given in the Catalogue - are apt to become the sources of future inaccuracies. The Catalogue carries transliterating "variations" in the case of the following Cyrillian characters (in order of the Russian Alphabet and in approximate frequency): е: e, je, ye; ё: e, o, yo; и: i, j, (y); х: kh, h; ц: c, ts; ь: ', nil; я: y, i; ю: yu, u; а: ya, a.

* Transliterating rules are different in English (indeed, there exist more than one in English) and in German, while those of the Slavic languages using Latin characters and of the non-Slavian and not-Indogermanic Hungarian languages are rather similar to one another. And many an author consistently erred in accordance with the precepts of his own language, as compared with the English transliteration.

Dates of publication

Since in the several volumes of the C.P.D. no publicatum had been expressly given, the Editors arbitrarily considered the date of publication as the day on which the Volume concerned could first be purchased in the bookshops of Budapest. The dates of publication thus "defined" are as follows:

- Vol. 1: see publicatum on the last page of this volume
- Vol. 2: November 30, 1990
- Vol. 3: March 15, 1988
- Vol. 4: December 1, 1986
- Vol. 5: January 1, 1988
- Vol. 6: March 1, 1989
- Vol. 7: April 25, 1991
- Vol. 8: September 20, 1988
- Vol. 9: October 15, 1984
- Vol. 10: October 15, 1984
- Vol. 11: March 1, 1986
- Vol. 12: March 1, 1986
- Vol. 13: see publicatum on the last page of the volume
- Vol. 14: see publicatum on the last page of the volume.

There occurred cases when copies marketed by the Elsevier's appeared with a year different from those of Budapest - against the intention of the Editors. Hence they do not feel responsible for confusions originating from citations of dates differing from those listed above or for disaccording references.

Readers

We have to express our sincere thanks to the colleagues who had - by the reading of the manuscripts or by putting at our disposal their own data in a way far exceeding the give-and-take of usual correspondence - essentially contributed to a better realization of the project. By name (fly family in parentheses): D. J. Lewis (Psychodidae, Phlebotominae), J. Epler, R. Lichtenberg-Contreras, E. A. Makarchenko, D. R. Oliver, F. Reiss, O. A. Saether, E. Serra-Tosio, E. Willassen, W. Wülker (Chironomidae), K. M. Harris, R. Gagné and all those listed in Volume 2: p. 72 (Cecidomyiidae), R. MacFarlane (Conopidae), V. Richter (Tephritidae), V. V. Zlobin (Agromyzidae), J. Roháček (Sphaeroceridae), Á. Dely-Draskovits (Chloropidae), R. Rozkošný (Anthomyiidae) and those for Tipulidae and Limoniidae now enumerated in the present volume.

Coauthors had jointly examined their own manuscripts. The majority of the other manuscripts had been critically read by L. Papp and Á. Soós. In the wake of this work - beyond any expected editorial activity - only the second or third variety of certain manuscripts of some fly families were found to be acceptable for publication. This remark of ours is intended partly to point out the fact that at the time of the preparation of these manuscripts there had been no suitably recognized specialists for some fly families, and partly to make amends to all those whom by our remarks or suggestions of improvement of their manuscripts we had - naturally against our will - offended.

Acknowledgements and closing remarks

We should like to express our gratitude also here to the Section of Biological Sciences, Hungarian Academy of Sciences, for the undertaking of a guarantee by which they launched the publication of the Catalogue of Palaearctic Diptera, and, respectively, to Dr. István Matskási, Director General, Hungarian Natural History Museum, who made possible the completion of the Catalogue by the publishing of Volumes 1 and 14.

We are grateful to Dr. Pjotr Oosterbroek for his excellent and generous work in the editing and realization of Volume 1.

The Editors are grateful to all who had rendered divers technical help during the 15 years of shaping and publishing the Catalogue, and especially to Mrs. L. Békési who had assisted for a prolonged period the work of the Editor-in-Chief.

Thanks are due to the staff of the Akadémiai Kiadó, Budapest, for their technical work and especially to L. Zombori, redactor, and to A. Agócs (Technical Department)

for his cooperation, as also to B. Vetula and the staff of the Printing House of the Akadémiai Kiadó whose fine and reliable technical work is incorporated in Volumes 2-13.

We wish to thank all Dipterologists participating in the First and Second International Congresses of Dipterology (1986: Budapest, 1990: Bratislava), and in the XVIII International Congress of Entomology (Vancouver, 1988), for their helpful critical suggestions, and for the support and critical contributions of all colleagues not mentioned by name above.

Finally but principally we are indebted to all of those fellow authors who, besides their other commitments, undertook the uncongenial task of writing the several chapters of the C.P.D. (their list is given below).

The fact that of the 13 volumes treating the Palaearctic Diptera families it is, of all things, Volume 1 which is published as the last one as a result of the coincidence of circumstances beyond our control, and expressly not intended by the Board of Editors. And if this is how it happened, this is also our last chance for an exculpation.

The gravest difficulty in editing the C.P.D. was the fact that there never was a technical staff at our disposal (the Editor-in-Chief had at most one technical assistant); the shaping and publication of the Catalogue took 15 years - and in this time not only the world changed considerably but also the Editors themselves. Criticism was addressed partly to our exceeding consistency and rigid adherence to the established forms, and partly (and quite contrarily) the inconsistency of the Editors in allowing - by reference to authorship licence - headstrong authors to deviate from these very forms.

We do not plan any "Additions and Corrections" to be published for the C.P.D. The most deserving recognition of our work would be the complete unveiling - as soon and as completely as possible - of the mistakes and lacks of the Catalogue in revisions and in papers of a lesser extent. We had never aimed at a consummate Great Opus, only the accomplishment of a usable tool and thus serve the science of dipterology.

Table 1, summarizing the amount of divers names of taxa as published in Volumes 1-13, is hereby submitted in the promise of success for all later censurs (first the results of our recent census, with the numbers published in the several volumes in brackets; a significant deviation is to be found in Volume 6). The differences between the columns of figures derive from the fact that the Editor-in-Chief let the original counting be made from the manuscripts, and they have in general not been modified, despite interim changes (inserting and cancelling) until their publication.

vol.	generic names	sub- generic names	synonymous generic names	species names	sub- species names	synonymous species names
1	109	108	107	2706	180	688
2	229 (224)	80 (90)	128 (146)	2052 (2073)	48 (42)	1382 (1457)
3	160 (158)	71 (72)	111 (124)	2978 (2970)	99 (94)	982 (1000)
4	364 (362)	28 (25)	247 (246)	2799 (2811)	4 (2)	684 (687)
5	258 (261)	24 (23)	172 (176)	2620 (2608)	135 (134)	1268 (1274)
6	177 (161)	39 (40)	145 (142)	3078 (2784)	51 (64)	978 (1014)
7	113 (113)	8 (10)	60 (62)	1884 (1875)	22 (23)	599 (594)
8	149 (149)	35 (36)	137 (141)	1920 (1919)	28 (28)	1281 (1298)
9	319 (322)	69 (72)	242 (215)	2779 (2759)	88 (72)	1275 (1135)
10	269 (254)	86 (90)	216 (209)	2247 (2222)	19 (20)	831 (764)
11	132 (175)	20 (19)	214 (221)	1281 (1337)	35 (34)	1568 (1412)
12	170 (130)	81 (80)	184 (187)	1045 (1036)	3 (2)	806 (828)
13	447	35	638	2190	0	2408

Table 1, showing the amount of divers names of taxa as published in Volumes 1-13, see text for explanation.

List of contributors (Volumes 1-13)

H. Andersson

Zoological Institute, Department of Systematics, Helgonavägen 3,
S-223 62 Lund, Sweden

Lonchopteridae, Anthomyzidae

P. Ashe

University of Dublin, Department of Zoology, Trinity College, Dublin 2,
Ireland

Chironomidae (jointly with P. S. Cranston)

G. Bächli

Zoological Museum of the Universität Zürich, Zürich-Irchel,
Winterthurerstrasse 190, CH-8057 Zürich, Switzerland

Drosophilidae (jointly with M. T. Rocha Pité)

P. J. Chandler

Weston Research Laboratories Limited, 644 Bath Road, Taplow, Maidenhead,
Berks., SL6 0PA, England, U.K.

Opetiidae, Platypezidae

M. Chvála

Department of Systematic Zoology, Charles University, Viničná 7,
128 44 Praha 2, Czechoslovakia

Tabanidae, Atelestidae, Microphoridae, Hybotidae (jointly with V. G. Kovalev),
Empididae (jointly with R. Wagner), *Conopidae* (jointly with K. G. V. Smith)

B. H. Cogan

British Museum (Natural History), Department of Entomology, Cromwell
Road, London SW7 5BD, England, U.K.

now: "St. Austell", Heath Road, Hickling, Norwich, NR12 0AS, England, U.K.

Canacidae, Ephydriidae

P. S. Cranston

Division of Entomology, CSIRO, G.P.O. Box 1700, Canberra, ACT 2601,
Australia

Chironomidae (jointly with P. Ashe)

Ch. Dahl

Department of Zoology, Section of Entomology, Box 561, S-751 22 Uppsala,
Sweden

Trichoceridae

Á. Dely-Draskovits

Zoological Department, Hungarian Natural History Museum, Baross u. 13,
H-1088 Budapest, Hungary
Anthomyiidae, Tachinidae (jointly with B. Herting)

R. H. L. Disney

Department of Zoology, University of Cambridge, Downing Street,
Cambridge CB2 3EJ, England, U.K.
Phoridae

K. Elberg

Institute of Zoology and Botany, Vanemuise 21, 202400 Tartu, Estonia, USSR
Sciomyzidae (jointly with R. Rozkošný)

R. H. Foote

Box 166, Lake of the Woods Locust Grove, Virginia 22508, USA
Tephritidae

A. A. Gerbachevskaya-Pavluchenko

All-Union Plant Protection Institute, Podbelskii str. 3, 188620 Pushkino-
Leningrad, USSR
Sciaridae

K. B. Gorodkov

Zoological Institute, Academy of Sciences of the USSR, 199164 Leningrad,
USSR
Coelopidae, Helcomyzidae, Heleomyzidae, Scathophagidae

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)

J.-P. Haenni

Museum of Natural History, Neuchâtel, Terreaux 14, CH-2000 Neuchâtel,
Switzerland
Scatopsidae (jointly with N. P. Krivosheina)

B. Herting

State Museum for Natural History Stuttgart, Rosenstein 1, D-7000 Stuttgart 1,
Germany
Rhinophoridae, Tachinidae (jointly with Á. Dely-Draskovits)

K. Hůrka

Department of Systematic Zoology, Charles University, Viničná 7,
128 44 Praha 2, Czechoslovakia

Hippoboscidae, Nycteribiidae, Streblidae (all jointly with Á. Soós)

L. Jedlička

Department of Systematic and Ecological Zoology, Comenius University,
Moskovská 2, 811 08 Bratislava, Czechoslovakia

Deuterophlebiidae, Nymphomyiidae

L. P. Kelsey (deceased)

University of Delaware, College of Agricultural Sciences, Department of
Entomology and Applied Ecology, 249 Agricultural Hall, Newark,
Delaware 19711, USA

Scenopinidae (jointly with Á. Soós)

V. G. Kovalev (deceased)

Paleontological Institute, Academy of Sciences of the USSR,
Profsoyuznaya 113, 117321 Moscow, USSR

Hybotidae (jointly with M. Chvála), *Lonchaeidae* (jointly with G. Morge)

N. P. Krivosheina

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

*Diadocidiidae, Pleciidae, Bibionidae, Anisopodidae, Xylomyidae, Strongylophthal-
midae, Odiniidae, Pseudopomyzidae*; as co-author: *Scatopsidae* (jointly with J.-P.
Haenni); *Pachyneuridae, Ditomyiidae, Keroplatidae, Macroceridae, Manotidae,
Mycetobiidae, Synneuridae, Canthyloscelidae, Cramptonomyiidae, Axymyiidae,
Hesperinidae, Xylophagidae* (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)

P. A. Lehr

Institute of Biology and Pedology, Far-Eastern Scientific Centre, Academy of
Sciences of the USSR, 690022 Vladivostok, USSR

Asilidae

L. Lyneborg

Zoological Museum, Universitetsparken 15, DK-2100 Kobenhaven, Denmark

Therevidae

J. Majer

"Janus Pannonius" University, Department of Zoology, Ifjúság útja 6,
H-7604 Pécs, Hungary

Athericidae, *Rhagionidae*, *Rachiceridae*, *Hilamorphidae*, *Coenomyiidae*,
Vermileonidae

B. M. Mamaev

All-Union Institute for Qualification Improvement of Forestry Managers,
Institutskaya 17, Moscow-region, 141200 Pushkino, USSR

Pachyneuridae, *Ditomyiidae*, *Keroplastidae*, *Macroceridae*, *Manotidae*, *Mycetobiidae*,
Synneuridae, *Canthylloscelidae*, *Cramptonomyiidae*, *Axymyiidae*, *Hesperinidae*,
Xylophagidae (all jointly with N. P. Krivosheina)

J. Martinovský

Department of Environmental Studies, Faculty of Science, J. E. Purkyně
University, Kotlářská 2, 61137 Brno, Czechoslovakia

Thaumaleidae (jointly with R. Rozkošný)

L. Matile

Muséum national d'Histoire naturelle, Entomologie générale et appliquée,
45, rue de Buffon, 75005 Paris, France

Mycetophilidae (jointly with W. Hackman, P. Laštovka and R. Väisänen)

J. Minář

Czechoslovak Academy of Sciences, Institute of Parasitology, Flemingovo
nám. 2, 166 32 Prague 6, Czechoslovakia

now: Institute of Hygiene and Epidemiology, Strobárová 48, 100 42 Praha 10,
Czechoslovakia

Culicidae; as co-author: *Gasterophilidae*, *Oestridae*, *Hypodermatidae* (all jointly with
Á. Soós)

G. Morge (deceased)

Plant Protection Institute, Department of Insect Taxonomy, Schicklerstr. 5,
13 Eberswalde-Finow 1, Deutschland

Pallopteridae, *Lonchaeidae* (jointly with V. G. Kovalev)

E. P. Nartshuk

Zoological Institute, Academy of Sciences of the USSR, 199164 Leningrad,
USSR

Stratiomyidae (jointly with R. Rozkošný), *Acroceridae*, *Megamerinidae*,
Cryptochetidae, *Chloropidae*

O. P. Negrobov

Faculty of Biological Sciences, University of Voronezh, 394693 Voronezh,
USSR

Dolichopodidae

P. Oosterbroek

Institute of Taxonomic Zoology (Zoological Museum), University of
Amsterdam, Plantage Middenlaan 64, 1018 DH Amsterdam, The Netherlands

Tipulidae (jointly with Br. Theowald), *Cylindrotomidae* (jointly with Á. Soós),
Limoniidae (jointly with E. N. Savchenko and J. Stary)

L. Papp

Zoological Department, Hungarian Natural History Museum, Baross u. 13,
H-1088 Budapest, Hungary

Lauxaniidae, *Celyphidae*, *Periscelididae*, *Thyreophoridae*, *Agromyzidae*,
Acartophthalmidae, *Aulacigastridae*, *Stenomicroidae*, *Asteiidae*, *Sphaeroceridae*,
Milichiidae, *Carnidae*, *Xenasteiidae*, *Risidae*, *Braulidae*, *Camillidae*, *Diastatidae*,
Curtonotidae

L. V. Peck

Biological Institute, Academy of Sciences of the Kirghiz SSR, Leninsky
prospect 265, 720071 Frunze, Kirghizia, USSR

Syrphidae

E. Plassmann

Hauptstrasse 11, D-8059 Oberding, Germany

Bolitophilidae

A. C. Pont

British Museum (Natural History), Department of Entomology, Cromwell
Road, London SW7 5BD, England, U.K.

now: 38 Gatehampton Road, Goring-on-Thames, Reading RG8 0EP, England,
U.K.

Sepsidae (jointly with J. Zuska), *Fanniidae*, *Muscidae*

H. Remm (deceased)

Zoological Institute, Tartu State University, Vanemuise 46, 202400 Tartu,
Estonia, USSR

Ceratopogonidae, *Leptoconopidae*

V. A. Richter

Zoological Institute, Academy of Sciences of the USSR, 199164 Leningrad,
USSR

Nemestrinidae, Mydidae (jointly with V. F. Zaitzev)

M. T. Rocha Pité

University of Lisbon, Faculty of Sciences, Museu Bocage, Rua Escola
Politécnica, Lisbon-2, Portugal

Drosophilidae (jointly with G. Bachli)

R. Rozkošný

Department of Environmental Studies, Faculty of Science, J. E. Purkyně
University, Kotlářská 2, 61137 Brno, Czechoslovakia

Ptychopteridae, Dixidae, Thaumaleidae (jointly with J. Martinovsky), *Stratiomyidae*
(jointly with E. P. Nartshuk), *Sciomyzidae* (jointly with K. Elberg)

I. A. Rubzov

Zoological Institute, Academy of Sciences of the USSR, 199164 Leningrad,
USSR

Simuliidae (jointly with A. V. Yankovsky)

E. N. Savchenko

Ivana Klimenko-Str. 26, kv. 46, 252110 Kiev-110, USSR

Limoniidae (jointly with P. Oosterbroek and J. Stary)

H. Schumann

Zoological Museum of the Humboldt University, Invalidenstrasse 43,
Berlin 104, Germany

Calliphoridae

M. Skuhřavá

Bitovská 1227, 141 00 Praha 4 - Michle, Czechoslovakia

Cecidomyiidae

K. G. V. Smith

British Museum (Natural History), Department of Entomology, Cromwell
Road, London SW7 5BD, England, U.K.

Conopidae (jointly with M. Chvála)

Á. Soós (deceased)

Zoological Department, Hungarian Natural History Museum, Baross u. 13,
H-1088 Budapest, Hungary

Micropezidae, Neriidae, Tanypezidae, Psilidae, Pyrgotidae, Platystomatidae, Otitidae, Dryomyzidae, Neottiophilidae, Clusiidae, Trixoscelididae, Chyromyidae, Opomyzidae, Tethinidae; as co-author: *Cylindrotomidae* (jointly with P. Oosterbroek), *Scenopinidae* (jointly with L. P. Kelsey), *Hippoboscidae, Nycteribiidae, Streblidae* (jointly with K. Hürka), *Gasterophilidae, Oestridae, Hypodermatidae* (jointly with J. Minář)

J. Stary

Faculty of Natural Sciences, Department of Zoology, tr Svobody 26
771 46 Olomouc, Czechoslovakia

Limoniidae (jointly with E. N. Savchenko and P. Oosterbroek)

V. N. Tanasijtshuk

Zoological Institute, Academy of Sciences of the USSR, 199164 Leningrad,
USSR

Pipunculidae, Chamaemyiidae, Cremifaniidae

Br. Theowald

Institute of Taxonomic Zoology (Zoological Museum), University of
Amsterdam, Plantage Middenlaan 64, 1018 DH Amsterdam, The Netherlands

Tipulidae (jointly with P. Oosterbroek)

R. Väisänen

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

Mycetophilidae (jointly with W. Hackman, P. Laštovka and L. Matile)

Yu. G. Verves

Biological Faculty of the State University, Vladimirskaia 64, 252017 Kiev,
USSR

Sarcophagidae

R. Wagner

Limnological Stream Station of the Max-Planck-Institute, Box 260,
D-6407 Schlitz, Germany

Tanyderidae, Psychodidae, Chaoboridae, Empididae (jointly with M. Chvála)

A. V. Yankovsky

Zoological Institute, Academy of Sciences of the USSR, 199164 Leningrad,
USSR

Simuliidae (jointly with I. A. Rubzov)

V. F. Zaitzev

Zoological Institute, Academy of Sciences of the USSR, 199164 Leningrad,
USSR

Mydidae (jointly with V. A. Richter), *Bombyliidae*, *Ulidiidae*

J. Zuska

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

Sepsidae (jointly with A. C. Pont), *Piophilidae*

P. Zwick

Limnological Stream Station of the Max-Planck-Institute, Box 260,
D-6407 Schlitz, Germany

Blephariceridae

Type-species designations in Volume 1

Limoniidae

Nematocera MEIGEN, 1818: Syst. Besch., 1: 209. Type-species: *Nematocera bicolor* MEIGEN, 1818: l.c.: 209 (des. OOSTERBROEK, 1992: 237). Currently valid name: *Hexatoma bicolor* (MEIGEN, 1818).

Glochina MEIGEN, 1830: Syst. Besch., 6: 280. Type-species: *Glochina sericata* MEIGEN, 1830: l.c.: 280 (des. OOSTERBROEK, 1992: 343). Currently valid name: *Dicranomyia sericata* (MEIGEN, 1830).

Ptychopteridae

Parapterychoptera TONNOIR, 1919: Annls Soc. ent. Belg., 59: 115. Type-species: *Ptychoptera paludosa* MEIGEN, 1804: Klass. Besch., 1(1): 82 (des. ROZKOŠNÝ, 1992: 371). Currently valid name: *Ptychoptera paludosa* MEIGEN, 1804.

New names proposed in Volume 1

Tipulidae

crolina DUFOUR, 1992: 154, a replacement name for *Tipula carolae* DUFOUR, 1984: Mitt. schweiz. ent. Ges., 57: 80. Junior primary homonym of *Tipula carolae* LEWIS, 1973 (in *Tipula*).

depressiloba OOSTERBROEK et THEOWALD, 1992: 167, a replacement name for *Tipula depressa* ALEXANDER, 1931: Philipp. J. Sci., 44: 343. Junior primary homonym of *Tipula depressa* GMELIN, 1790 (in *Tipula*).

haplostyla OOSTERBROEK et THEOWALD, 1992: 129, a replacement name for *Tipula minuta* SAVTSHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 84. Junior primary homonym of *Tipula minuta* MÜLLER, 1776 (in *Tipula*).

Limoniidae

linnei OOSTERBROEK, 1992: 221, a replacement name for *Tipula fasciata* (LINNAEUS, 1767): Syst. Nat., Ed. 12, 1(2): 973. Junior primary homonym of *Tipula fasciata* SCOPOLI, 1763 (in *Idioptera*).

schranksi OOSTERBROEK, 1992: 224, a replacement name for *Tipula punctata* SCHRANK, 1781: Enum. ins. austr. indig.: 425. Junior primary homonym of *Tipula punctata* MÜLLER, 1764 (in *Limnophila*).

lappona OOSTERBROEK, 1992: 303, a replacement name for *Limnobia gracilis* Zetterstedt, [1838]: Insecta Lapp.: 838. Junior primary homonym of *Limnobia gracilis* Wiedemann, 1828 (in *Gonomyia*).

Family Trichoceridae

(Petauristidae)

By Christine Dahl

The adults are similar to tipulids. They have long, slender legs with inconspicuous spurs; wings elongated, wing venation near the plesiomorphic nematoceran pattern with discrete combination of features as ending of *ScS1* into *C* above the divergence of *R3+4*, and *S2* distally to *R2* into *R1+2*; *M3+4* present; anal vein *A2* short (exceptions *Diazosma* *A2* long, *Kawasemyia* *A2* lacking by reduction); three distinct ocelli; antennae with 16 segments; mouthparts reduced with mandibles lacking; labrum reduced, maxillary stipites long, slender, nearly parallel; mesonotum with ill-defined V-shaped suture; abdomen long, slender with nine free segments, the first one greatly reduced. Male hypopygium with single distal parts of forceps, in many species with complicated outgrowths; phallosome forming a pear-shaped sperm pump; proximal part of ninth tergite and sternite in the male fused into a ring, the distal part of the ninth sternite forming a supporting "bridge" for the intromittant organ; free tips of parameres, but midparts fused into a ventral support for the sperm pump. Female with specific, more or less elongated and downwards curved ovipositor (exception *Diazosma*).

Larva eucephalic with epicranial plates and frontoclypeus distinguishable by sutures and with mouthparts of plesiomorphic, nematoceran type with dentate mandibles; amphipneustic; with nine abdominal segments, eight discernible externally by rows of bristles on the distal part of the segment, the ninth segment with a ventral anal shield and four anal lobes.

Pupa with free leg sheaths, movable abdomen, last segment sexually different.

The immature stages are terrestrial, eggs laid in detritus-enriched, wet soil, old leaf litter, droppings in rodent burrows, or in soil enriched with bird guano. There are four larval instars. Larval development can last from a few weeks to many months, larvae hibernate or aestivate in the last instars. The pupal stage is always short, only 1-2 weeks. Both older larvae and pupae can be found in soil layers to 20-30 cm depth. The adults are confined to cool, humid climates, regionally and seasonally. They occur from lowlands to high mountain zones and are also among the early invaders in arctic areas. Most species are univoltine, with adults flying in spring and/or autumn as well as in winter. Males exhibit swarming behaviour and in northern areas females can be caught under snow in pitfall traps.

There are 4 recent genera in the family, 123 recent species of which 32 are described on females only, mainly from high mountainous or temperate Oriental and Australian Regions, wherefrom knowledge of trichocerids is very scanty. 111 species are valid and several recent ones are undescribed. The best known faunas are those of the West Palaearctic and the East Nearctic.

Besides this, hitherto one fossil larva and ten fossil species were described from Jurassic, Cretaceous, Oligocene and Miocene layers. A monograph on these species and the description of a huge additional material is under preparation by Krzemiński, Dahl and Krzemińska.

Dr. E. Krzemińska has kindly supplied me with records under publication from Poland and with unpublished records from France for this final version in 1990.

References: ALEXANDER, 1942 (morphology), 1965 (distribution); ALEXANDER and ALEXANDER, 1967, 1973 (distribution); DAHL, 1975 (*Trichocera*); DAHL and ALEXANDER, 1976 (world distribution); HENNIG, 1948 (larvae); KEILIN and TATE, 1940 (morphology larvae); KERTÉSZ, 1902; LINDNER, 1930.

Subfamily Kawasemyiinae

Kawasemyia ALEXANDER, 1952

ALEXANDER, 1952: Trans. Shikoku ent. Soc., 3(1): 15.

Type-species: *Alfredia imanishii* TOKUNAGA, 1935: Annotnes zool. jap., 15: 198 (mon.).

imanishii (TOKUNAGA, 1935): Annotnes zool. jap., 15: 198 (*Alfredia*). Type-locality: Honshu, Sasagamine Alps, Niigata (Japan).—Distr.: Asia: Japan.

Subfamily Trichocerinae

Diazosma BERGROTH, 1913

BERGROTH, 1913: Ann. Mag. nat. Hist., (8) 11: 583 (as new name for *Diazoma* WALLENGREN, 1882, a junior homonym of *Diazoma* LAMARCK, 1816).

Type-species: *Trichocera hirtipennis* SIEBKE, 1863: Nyt Mag. Naturvid., 12: 184 (aut.).

Diazoma WALLENGREN, 1882: Ent. Tidskr., (1) 2(4): 180. Type-species: *Trichocera hirtipennis* SIEBKE, 1863: Nyt Mag. Naturvid., 12: 184 (mon.).

Trichoptera STROBL, 1880: Progr. k. k. Ober-Gymn. Benedictiner Seitenstetten, 1880: 64. Type-species: *Trichoptera picea* STROBL, 1880: l.c.: 64 (orig. des.) [= *hirtipennis* (SIEBKE, 1863)].

hirtipennis (SIEBKE, 1863): Nyt Mag. Naturvid., 12: 184 (*Trichocera*). Type-locality: Drivdalen, Drivstuen (Norway).—Distr.: Europe: N, S, GB, A, CS; USSR: CET; Canada, USA.

picea (STROBL, 1880): Progr. k. k. Ober-Gymn. Benedictiner Seitenstetten, 1880: 64 (*Trichoptera*). Type-locality: Amstetten, Conventgarden (Austria).

[*subsinuata* (ALEXANDER, 1916): JI N.Y. ent. Soc., 24: 124 (*Trichocera*). Type-locality: Hall Valley, Platte Canon (USA).]

Paracladura BRUNETTI, 1911

BRUNETTI, 1911: Rec. Indian Mus., 6: 286.

Type-species: *Paracladura gracilis* BRUNETTI, 1911: l.c.: 287 (orig. des.); not Palaearctic.

imanishii TOKUNAGA, 1938: Tenthredo, 2: 146 (*Paracladura*). Type-locality: Karahuto (Japan).—Distr.: Asia: Japan.

[kumaonensis ALEXANDER, 1959: Bull. Brooklyn ent. Soc., 54: 129 (*Paracladura*). Type-locality: Manghu Chatti, Pauri Garhwal, Uttar Pradesh (India).—Distr.: Asia: India, Nepal.]

latipennis ALEXANDER, 1930: Konowia, 9: 104 (*Paracladura*). Type-locality: Mt. Kirishima, Kyushu (Japan).—Distr.: Asia: Japan.

nipponensis ALEXANDER, 1924: Insecutor Inscit. menstr., 12: 82 (*Paracladura*). Type-locality: Mt. Kirishima, Kyushu (Japan).—Distr.: Asia: Japan.

omeiensis ALEXANDER, 1935: Philipp. J. Sci., 57: 197 (*Paracladura*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China.

[superbiens ALEXANDER, 1960: Bull. Brooklyn ent. Soc., 55: 117 (*Paracladura*). Type-locality: Yagtand (Sikkim).—Distr.: Asia: Sikkim.]

Trichocera MEIGEN, 1803

MEIGEN, 1803: Mag. Insektenk., 2: 262.

Type-species: *Tipula hiemalis* DE GEER, 1776: Mém. Ins., 6: 360 (mon.).

Petaurista MEIGEN, 1800: Nouve. Class.: 15. A junior homonym of *Petaurista* LINK, 1795. Type-species: *Tipula hiemalis* DE GEER, 1776: Mém. Ins., 6: 360 (des. COQUILLET, 1910: Proc. U.S. nat. Mus., 37: 587). [Suppressed by I.C.Z.N., Bull. zool. Nom., 20: Opinion 678.]

Melusina MEIGEN, 1800: Nouve. Class.: 19. Type-species: *Tipula regelationis* LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 587 (des. HENDEL, 1908: Verh. zool.-bot. Ges. Wien, 58: 50). [Suppressed by I.C.Z.N., Bull. zool. Nom., 20: Opinion 678.]

Atractocera MEIGEN, 1803: Mag. Insektenk., 2: 263. Type-species: *Tipula regelationis* LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 587 (des. I.C.Z.N., 1981: Bull. zool. Nom., 38: 105, Opinion 1174).

Palaeopetaurista SÉGUY, 1940: Mém. Mus. natn. Hist. nat. (N.S.), 14: 225. Type-species: *Palaeopetaurista dubitata* SÉGUY, 1940: l.c.: 226 (mon.).

Metatrachocera DAHL, 1966: see below as subgenus.

Subgenus METATRICHOCERA DAHL, 1966

DAHL, 1966: Opusc. ent., 31: 97 (as genus).

Type-species: *Trichocera lutea* BECHER, 1886: Beob. Erg. Österr. Polarstat. Jan Mayen, 3: 64 (orig. des.).

candida DAHL, 1976: Ent. scand., 7: 63 (*Trichocera*). Type-locality: Traualpsee, 1500 m, Tirol (Austria).—Distr.: Europe: A, PL.

forcipula NIELSEN, 1920: Ent. Meddr, 13: 160 (*Trichocera*). Type-locality: Kejlstrup near Silkeborg (Denmark).—Distr.: Europe: S, DK, D, F, P, PL, BG; USSR: NET (Leningrad reg., Rs).

gigantea (DAHL, 1967): Opusc. ent., 32: 195 (*Metatrichocera*). Type-locality: Messaure, Lu. Lpm (Sweden).—Distr.: Europe: S, SF.

inexplorata (DAHL, 1967): Opusc. ent., 32: 192 (*Metatrichocera*). Type-locality: Messaure, Lu. Lmp (Sweden).—Distr.: Europe: S, SF.

latilobata ALEXANDER, 1938: Philipp. J. Sci., 67: 133 (*Trichocera*). Type-locality: Ompo (Korea).—Distr.: Asia: Korea.

lutea BECHER, 1886: Beob. Erg. Österr. Polarst. Jan Mayen, 3: 64 (*Trichocera*). Type-locality: Jan Mayen (Norway).—Distr.: Europe: IS, N, (Jan Mayen, Spitzbergen, Bear Is), S, SF, D, F, CH, A, PL; USSR: NET (Kola Penn.); Greenland.

stecki BANGERTER, 1948: Mitt. schweiz. ent. Ges., 21: 190 (*Trichocera*). Type-locality: Sehlibühl (Quellgebiet der kalten Sense) (Switzerland).

mackenziei (DAHL, 1967): Opusc. ent., 32: 60 (*Metatrichocera*). Type-locality: Reindeer Depot, Mackenzie Delta (NWT, Canada).—Distr.: Europe: S; Canada.

mirabilis ALEXANDER, 1934: Philipp. J. Sci., 55: 20 (*Trichocera*). Type-locality: Kongo san (Korea).—Distr.: Asia: Korea.

[schmidi ALEXANDER, 1959: Bull. Brooklyn ent. Soc., 54: 132 (*Trichocera*). Type-locality: Rata Almora, Kumaon, Uttar Pradesh (India).—Distr.: Asia: India.]

sibirica EDWARDS, 1920: Ann. Mag. nat. Hist., (9) 5: 432 (*Trichocera*). Type-locality: Vershininsk, Yenisei, Siberia (USSR).—Distr.: Europe: S, SF; USSR: NET; Asia: Korea.

[thaumastopyga ALEXANDER, 1960: Bull. Brooklyn ent. Soc., 55: 119 (*Trichocera*). Type-locality: Tanshing, Sikkim (India).—Distr.: Asia: India (Sikkim).]

Subgenus TRICHOCERA MEIGEN, 1803

annulata MEIGEN, 1818: Syst. Besch., 1: 215 (*Trichocera*). Type-locality: "Österreich". —Distr.: Europe: South of 60°N; USSR: NET (Leningrad reg.); Asia: Palestine; North Africa: Algeria; Canary Is, Madeira; Holarctic; Australia (introduced).

- multicincta* SANTOS ABREU, 1923: Mem. R. Acad. Cienc. Artes, Barcelona, 18(4): 126 (*Trichocera*). Type-locality: Canary Is.
- arctica* LUNDSTRÖM, 1915: Mém. Acad. Sci. Pétersb., (8) 29(8): 28 (*Trichocera*). Type-locality: Taymyr I., West Taymyr (USSR).—Distr.: USSR: WS (Tyumen reg., Taymyr), ES (Novosibirsk), FE (Chukotsk); Alaska.
- borealis* LACKSCHEWITZ, 1934: Tromsø Mus. Årsh., 54: 3 (*Trichocera*). Type-locality: Longyearbyen, Spitzbergen (Norway).—Distr.: Europe: N (Svalbard, Jan Mayen, Bear Is); USSR: NET (Kola Penn., Novaya Zemlya); Greenland, Alaska, Canada; circumpolar.
- dahlae* MENDL, 1971: NachrBl. bayer. Ent., 20: 61 (*Trichocera*). Type-locality: Kreuzthal, Allgäu [D].—Distr.: Europe: S, D (Western Alps), F, PL.
- hiemalis* (DE GEER, 1760): Mém. Ins., 6: 360 (*Tipula*). Type-locality: not given.—Distr.: Europe: IS, N, S, SF, DK, NL, D, DDR, F, P, PL, CS, A, I, H, BG, YU; USSR: NET (Kola Penn., Leningrad and Archangelsk reg.), SET (Kiev), TC (Ge), WS (Tobolsk), ES (Minusinsk), FE (Amur reg.); Asia: Japan; Holarctic.
- implicata* DAHL, 1976: Ent. scand., 7: 59 (*Trichocera*). Type-locality: Messaure, Lu. Lpm (Sweden).—Distr.: Europe: S, D (Western Alps), F, PL.
- japonica* MATSUMURA, 1915: Konchu Bunruigaku, 2: 63 (*Trichocera*). Type-locality: Sapporo (Japan).—Distr.: Europe: S, SF, D, F, PL, BG; USSR: NET, TC; Asia: Japan; Holarctic.
- excilis* DAHL, 1967: Opusc. ent., 32: 71 (*Trichocera*). Type-locality: Messaure, Lu. Lpm. (Sweden).
- lackschewitzi* LANTSOV, 1987: Zool. Zh., 66: 153 (*Trichocera*). Type-locality: Taymyr (USSR).—Distr.: USSR: ES (Taymyr).
- limpidipennis* LOEW, 1873: Besch. europ. Dipt., 3: 69 (*Trichocera*). Type-locality: Galizien (Beskides) (Poland).—Distr.: Europe: PL.
- maculipennis* MEIGEN, 1818: Syst. Besch., 1: 214 (*Trichocera*). Type-locality: "Österreich".—Distr.: Europe: all parts; USSR: NET (Kola Penn., Leningrad and Arkhangelsk reg.); SET (Ukraine, Crimea, Caucasus), KZ (Semipalatinsk), SMA (Uz), WS (Sverdlovsk, Tomsk, Krasnoyarsk), ES (Irkutsk); Asia: Afghanistan, Japan; central and south Holarctic.
- cinerea* (FABRICIUS, 1779): Reise nach Norwegen, 1779: 301 (*Tipula*). Type-locality: Christiansund (Norway).
- versicolor* LOEW, 1871: Besch. europ. Dipt., 2: 17 (*Trichocera*). Type-locality: Sarepta [= Krasnoarmeisk] (USSR).
- maculipennis pictipennis* ALEXANDER, 1930: Konowia, 9: 106 (*Trichocera*). Type-locality: Meguro, Tokyo (Japan).—Distr.: USSR: FE (Maritime Territory); Asia: Japan.
- major* EDWARDS, 1921: Trans. R. ent. Soc. Lond., 1921: 229 (*Trichocera*). Type-locality: Shefford, Beds. (Great Britain).—Distr.: Europe: GB, S, SF, DK, D, F, P, PL; USSR: NET (Kola Penn., Leningrad reg.).

- mendli** DAHL, 1976: Ent. scand., 7: 61 (*Trichocera*). Type-locality: Messaure, Lu. Lpm (Sweden).—Distr.: Europe: S, D (Western Alps).
- minuta** TOKUNAGA, 1938: Tenthredo, 2: 141 (*Trichocera*). Type-locality: Kitasikarawa, Kyoto (Japan).—Distr.: Asia: Japan.
- mutica** DAHL, 1966: Beitr. Ent., 16: 271 (*Trichocera*). Type-locality: Wendelstein, Oberbayern [D].—Distr.: Europe: D.
- nipponensis** TOKUNAGA, 1938: Tenthredo, 2: 114 (*Trichocera*). Type-locality: Kuramara, Kyoto (Japan).—Distr.: Asia: Japan.
- parva** MEIGEN, 1804: Klass. Beschr., 1(1): 49 (*Trichocera*). Type-locality: not given.—Distr.: Europe: GB, N, S, SF, DK, D, F, CS, A, I, P, PL, BG; USSR: NET (Kola Penn., Novaya Zemlya, Leningrad and Arkhangelsk reg.), TC (Ge).
- regelationis** (LINNAEUS, 1758): Syst. Nat., Ed. 10, 1: 587 (*Tipula*). Type-locality: not given.—Distr.: Europe: GB, N, S, SF, DK, D, DDR, F, NL, CS, A, I, H, PL, YU; USSR: NET (Leningrad reg.), SET (Crimea), TC (Ge), FE (Kamchatka); Asia: Holarctic; South Georgia Is (introduced).
- rufescens** EDWARDS, 1921: Trans. R. ent. Soc. Lond., 1921: 229 (*Trichocera*). Type-locality: Lelant, Cornwall (Great Britain).—Distr.: Europe: GB, SF; USSR: NET (Leningrad reg.).
- saltator** (HARRIS, [1776]): Expos. Eng. Ins., 2: 57 (*Tipula*). Type-locality: not given.—Distr.: Europe: IS, GB, N, S, SF, DK, D, DDR, F, NL, A, CS, PL, I, P, H, BG, YU, GR; USSR: TC (Ge); Asia: Japan; Holarctic.
- fuscata** MEIGEN, 1818: Syst. Beschr., 1: 212 (*Trichocera*). Type-locality: not given.
- sapporensis** ALEXANDER, 1935: Philipp. J. Sci., 56: 525 (*Trichocera*). Type-locality: Sapporo (Japan).—Distr.: Asia: Japan.
- simonyi** MIK, 1886: Wien. ent. Ztg, 5: 57 (*Trichocera*). Type-locality: Schaubachhütte, Königsspitze (Austria).—Distr.: Europe: A.
- [superna** ALEXANDER, 1961: Bull. Brooklyn ent. Soc., 56: 124 (*Trichocera*). Type-locality: Tangshing, Sikkim (India).—Distr.: Asia: India (Sikkim).]
- szechwanensis** ALEXANDER, 1935: Philipp. J. Sci., 56: 525 (*Trichocera*). Type-locality: Sichuan (China).—Distr.: Asia: China.
- [tenuicercus** ALEXANDER, 1959: Bull. Brooklyn ent. Soc., 54: 134 (*Trichocera*). Type-locality: Manghu Chatti, Pauri Garhwal, Uttar Pradesh (India).—Distr.: Asia: India.]
- [triangularis** ALEXANDER, 1968: Khumbu Himal., 3: 83 (*Trichocera*). Type-locality: Yaral, Paupoche (Nepal).—Distr.: Asia: Nepal.]
- tsutsui** TOKUNAGA, 1938: Tenthredo, 2: 144 (*Trichocera*). Type-locality: Hosono, Nagano-ken (Japan).—Distr.: Asia: Japan.
- tuberculifera** ALEXANDER, 1938: Philipp. J. Sci., 67: 131 (*Trichocera*). Type-locality: Seren Mts (Korea).—Distr.: Asia: Korea.
- [variata** ALEXANDER, 1961: Bull. Brooklyn ent. Soc., 56: 125 (*Trichocera*). Type-locality: Kulara, Pauri Garhwal, Uttar Pradesh (India).—Distr.: Asia: India.]

Undescribed species of Trichoceridae

- spec.* ALEXANDER, 1968: Khumbu Himal., 3: 85 (*Trichocera*). Locality: Yaral (Nepal).
- spec. 1* TOKUNAGA, 1938: Tenthredo, 2: 147 (*Trichocera*). Locality: Hosono, Nagano-ken (Japan).
- spec. 2* TOKUNAGA, 1938: Tenthredo, 2: 147 (*Trichocera*). Locality: Mt. Hakkoda, Aomori-ken (Japan).

Family Tanyderidae

By R. Wagner

The Tanyderidae or Primitive Crane Flies are placed in the superfamily Psychodoidea (sensu Crampton) or in the infraordo Psychodomorpha (sensu Hennig) together with Blepharicerioidea, Psychodoidea and Nymphomyioidea, but the monophyly of this group is doubtful. They seem to have closest relations with the Ptychopteridae, both are able to turn the 5th tarsal segment towards the 4th (= superfamily Ptychopteroidea sensu Hennig).

The wing venation shows diagnostic features separating Tanyderidae from morphologically similar Limoniidae. *Sc*1 reaches costa. *Sc*2 is a short terminal part of *Sc*1 terminating into *R*1. They also differ in the possession of five branches of the radius, four branches of media and only one anal vein. The wings usually have banded patterns and most genera possess one or two crossveins.

Larvae of Palaearctic Tanyderidae are not known. However, the only Palaearctic genus *Protanyderus* HANDLIRSCH, 1909, also occurs in North America, from where some descriptions of larvae exist, which possibly belong to *Protanyderus*. Larvae are well adapted for burrowing, eucephalous, essentially prognathous. Head and mouthparts massively sclerotized and heavily pigmented. Prothorax divided into two distinct regions. Abdomen of nine segments successively decreasing in size, each with an intercalary region and each divided ventrally into two regions. Segment 8 with two long filamentous tracheal gills with spiracles at gill base. Segment 9 with a dorsal pair of filamentous tracheal gills and four papillae, two at each side of the anus. Ventrally in front of anus are two ambulatory pseudopods, with tracheal gills arising before the distal retractile portion of pseudopods, which bear a lot of curved hooks at their bases. Anus slit like with large lips dorsoventrally. Gut and fecal pellet contain only plant material similar to that of the habitat.

The usual habitat in shallow flowing waters is of sand and gravel through which the larvae burrow. Larvae of probably the 2nd and 3rd instars are known. The younger larvae are metapneustic with apparently non-functional spiracles, but the older larvae are

amphipneustic, yet whether the spiracles are really functional is not known.

Very little is known of *Protanyderus* pupae. There are detailed descriptions of the pupa of the Nearctic *Protanyderus marginata* ALEXANDER. It was also found on sand and gravel substrate and is very similar to that of *Eriocera*, a Limoniid fly.

Adult males swarm before sunset along rivers. Females flying into these swarms are seized immediately and copulation takes place in flight. The distribution area of Tanyderidae is very disjunct. Most species (18 in 4 genera) have been reported from the Australian Region, species in 3 genera are known from the Neotropical Region, 4 species of 2 genera (of which one is shared with Asia) were described from the Nearctic Region and one species is known from South Africa. Most of the known Palaearctic species occur near the southern and eastern outskirts of this region. The only known fossil species, *Macrochile spectrum* LOEW, is known from Baltic amber.

References: CRAMPTON, 1926; EXNER and CRAIG, 1976; HENNIG, 1973; KNIGHT, 1963, 1964; PEUS, 1958; ROSE, 1963; SAVCHENKO, 1971, 1979.

Protanyderus HANDLIRSCH, 1909

HANDLIRSCH, 1909: *Annln naturh. Mus. Wien*, **23**: 267.

Type-species: *Protanyderus vipio* OSTEN SACKEN, 1877: *Bull. U.S. geol. geogr. Survey Terr.*, **3**: 208 (mon.); not Palaearctic.

alexanderi KARIYA, 1935: *Mushi*, **8**(1): 40 (*Protanyderus*). Type-locality: "Shimajima-Dani, Japanische Alpen, etwa 900 m" (Japan).—Distr.: Asia: Japan.

beckeri (RIEDEL, 1920): *Zool. Jb. Syst.*, **43**(1-4): 365 (*Tanyderus*). Type-locality: Osch-Fergana, Turkestan (USSR).—Distr.: USSR: SMA (Ki, Tj).

esakii ALEXANDER, 1932: *Annotnes zool. jap.*, **13**(4): 276 (*Protanyderus*). Type-locality: Sobosan, Bungo, about 400 meters in altitude, Kyushu (Japan).—Distr.: USSR: ES, FE; Asia: Mongolia, China, Japan.

riedeli SAVCHENKO, 1974: *Zool. Zh.*, **53**(12): 1892 (*Protanyderus*). Type-locality: Canyon of Kondara, Gissar Range, Tajik SSR (USSR).—Distr.: USSR: SMA (Tj).

[**schmidi** ALEXANDER, 1959: *Bull. Brooklyn ent. Soc.*, **54**(3): 53 (*Protanyderus*). Type-locality: Loharket, Almora, 5770 feet (India).—Distr.: Asia: North India (Uttar Pradesh).]

[**sikkimensis** ALEXANDER, 1961: *Bull. Brooklyn ent. Soc.*, **55**: 114 (*Protanyderus*). Type-locality: Ramtang, 5780 feet, Sikkim (India).—Distr.: Asia: North India (Sikkim).]

stackelbergi SAVCHENKO, 1971: *Ent. Obozr.*, **50**: 167 (English translation: *Ent. Rev. Wash.*, **50**: 96) (*Protanyderus*). Type-locality: Central aymak (administrative district), Gatsurt, 20 km East of Ulan-Bator (Mongolia).—Distr.: USSR: ES, FE; Asia: Mongolia.

[*venustipes* ALEXANDER, 1961: Bull. Brooklyn ent. Soc., 55: 115 (*Protanyderus*).

Type-locality: Ramtang, 5780 feet, Sikkim (India).—Distr.: Asia: North India (Sikkim).]

yankovskyi ALEXANDER, 1938: Philipp. J. Sci., 67(2): 129 (*Protanyderus*). Type-locality: "Province Chosen" (Korea).—Distr.: USSR: ES; Asia: Korea.

Family Blephariceridae

By P. Zwick

Blephariceridae or net-winged midges are unmistakable in all life stages. Size is small to moderate, wing lengths vary from ca. 4.0 to 12.5 mm, fully grown larvae are 3.5-16 mm long. Adults can easily be recognized by the delicate cracks forming a network in the wing membrane. Similar cracks are present only in the wings of Deuterophlebiidae, but other than these the Blephariceridae are long-legged, slender midges with normal, elongate, multi-segmented antennae which possess no conspicuous pilosity. Adults are usually found near swift, clean streams where development takes place and are often resting while hanging with their front tarsi under foliage, from the top of culverts, etc. Usually, females have well developed mouthparts and several species have been observed feeding on smaller insects which they seem to catch with their specialized hind tarsi. Males have reduced mouthparts, except single groups with long, delicate proboscis which visit flowers, e.g., *Apistomyia*.

Imagos require current drag forces to emerge completely from the blackish oval pupae which are cemented to rocks in strong currents. The pupal surface is smooth except for the usually erect paired respiratory organs near the front end.

Larvae appear to consist of only 6 segments, including what looks like a very massive head. Each apparent segment ventrally bears a single sucker and paired gill tufts. Antennae are well developed, sometimes as long as the body. There are lateral abdominal pseudopods and often additional lateral appendages. Larvae dwell on top of smooth hard substrata in strong current and are scrapers feeding on microscopic Aufwuchs. There are four larval instars.

Eggs are attached to substrata near the stream edge. They are elongate-oval, with soft flat lower face and hard, sculptured upper chorion.

Almost 300 species of Blephariceridae are known from all continents and many continental islands. The subfamily Edwardsiniinae is restricted to the Australian Region, Andean South America, and Madagascar, while the Blepharicerinae occur in both hemispheres. Tribal classification is discussed by Zwick (1977, 1981). Regional endemism is high. The West Palaearctic fauna is mainly circummediterranean. It has relations with the Himalayan and Oriental faunas (*Blepharicera*, *Apistomyiini*) but is very distinct from the Eastern Palaearctic Blephariceridae. The latter are close relatives of the well-studied

Western Nearctic net-winged midges, while the Eastern Nearctic *Blepharicera* are an ancient relict group.

References: HETSCHKO, 1912; HOGUE, 1973, 1978, 1982; HOGUE and GEORGIAN, 1986; KOMÁREK, 1914; MANNHEIMS, 1935; RIETSCHER, 1961; ZWICK, 1977, 1978, 1981, 1982.

Subfamily Blepharicerinae

Tribe Blepharicerini

Agathon VON RÖDER, 1890

VON RÖDER, 1890: Wien. ent. Ztg, **9**: 230.

Type-species: *Agathon elegantulus* VON RÖDER, 1890: l.c.: 232 (mon.); not Palaearctic.

bilobatoides (KITAKAMI, 1931): Mem. Coll. Sci. Kyoto Univ. (B), **6**: 81 (*Philorus*). Type-localities: "Kibune, Kurama and Atago near Kyoto; Sakamoto near Otsu; Iya in Shikoku; Mt. Nukedo in Province of Hida; Yamagata in Province of Uzen" (Japan).—Distr.: Asia: Japan.

decorilarva (BRODSKIJ, 1954): Trudy zool. Inst., Leningr., **15**: 236 (*Bibiocephala*). Type-localities: "Altaj: r. Yan-Tsili; r. Korbu; r. Kokschi; r. Bolschoj Korbu; r. Abakan; S. Primorje: r. Sitsa; Pigarejeva gorge in St. Tigrovaja; Sutsan, r. Kamen; r. Kuaru, Kuretski Mts" (USSR: KZ, FE).—Distr.: USSR: KZ, FE.

eoasiaticus (BRODSKIJ, 1954): Trudy zool. Inst., Leningr., **15**: 234 (*Bibiocephala*). Type-localities: "St. Tigrovaja, tributary of r. Sitsa; Pigarejeva gorge" (USSR: FE).—Distr.: USSR: FE.

iyaensis (KITAKAMI, 1931): Mem. Coll. Sci. Kyoto Univ. (B), **6**: 78 (*Bibiocephala*). Type-localities: "Mt. Turugi and Iya in Shikoku" (Japan).—Distr.: Asia: Japan.

japonicus (ALEXANDER, 1922): Insecutor Inscit. menstr., **10**: 111 (*Bibiocephala*). Type-locality: "Japan (Honshiu), Mt. Minomo".—Distr.: Asia: Japan.

kawamurai (KITAKAMI, 1950): J. Kumamoto Women's Univ., **2**: 44 (*Bibiocephala*). Type-localities: "North Korea, Reika, Hakugan, Rekketsusui 1500 m".—Distr.: Asia: Korea.

kawamurai ezoensis (KITAKAMI, 1950): J. Kumamoto Women's Univ., **2**: 46 (*Bibiocephala*). Type-localities: "Hokkaido and Saghalien, Hirafu, foot of Mt. Ezo-fuzi, Hosioki-Fall, near Sapporo, Zyozankei, Takinozawa near Toyohara, Loop-line, near Maoka, Mt. Suzuya-dake, near Toyohara, Sounkyo, near Asahigawa, Obako (Sounkyo), Kobako (Sounkyo)".—Distr.: USSR: FE

(Sakhalin); Asia: Japan.

longispinus (KITAKAMI, 1931): Mem. Coll. Sci. Kyoto Univ. (B), 6: 83 (*Philorus*, as subsp. of *bilobatoides* KITAKAMI). Type-localities: "Kurama, Kibune and Atago near Kyoto; Seryo in Province of Tanba; Hukusima and Agematu in Province of Sinano" (Japan).—Distr.: Asia: Japan.

montanus (KITAKAMI, 1931): Mem. Coll. Sci. Kyoto Univ. (B), 6: 78 (*Bibiocephala*). Type-localities: "Kurama, Kibune and Atago near Kyoto; Sakamoto near Otsu; Hayatuki, Kurobe, and Zara Pass in Province of Ettyu; many places in the Hida mountains; Simasima, Tokugo, Kamimoti, Omati, Hukusima, Agematu, Suhara, Narai and Mt. Komagadake in Province of Sinano; Toyamazawa near Nikko" (Japan).—Distr.: Asia: Japan.

montanus bispinus (KITAKAMI, 1931): Mem. Coll. Sci. Kyoto Univ. (B), 6: 80 (*Bibiocephala*). Type-localities: "Kamikoty in Province of Sinano; Gamada in Province of Hida; many other places in the Hida mountains; Yamagata in Province of Uzen" (Japan).—Distr.: Asia: Japan.

Asiorea BRODSKIJ, 1972

BRODSKIJ, 1972: Insects of Mongolia, 1: 741.

Type-species: *Philorus tianshanicus* BRODSKIJ, 1930: Zool. Anz., 90: 130 (orig. des.).

altaica (BRODSKIJ, 1954): Trudy zool. Inst., Leningr., 15: 242 (*Philorus*). Type-localities: Altaj: r. Korbu; r. Bolschoj Korbu (USSR: KZ).—Distr.: USSR: KZ.

[**bionis** (AGHARKAR, 1914): Rec. Indian Mus., 10: 160 (*Philorus*). Type-locality: "Nagaberan, Kashmir" (India).—Distr.: Asia: India.]

nivia (BRODSKIJ, 1936): Trudy zool. Inst., Leningr., 4: 80 (*Philorus*, as form of *tianshanicus* BRODSKIJ, 1936). Type-localities: USSR: SMA: Kungej-Alatau Mts, r. Djure; Tsimgan; KZ: Ala-tau Mts, r. Dschebogdi.—Distr.: USSR: KZ, SMA.

tianshanica (BRODSKIJ, 1930): Zool. Anz., 90: 130 (*Philorus*). Type-locality: "Fluss Kurgan, Gebirge Schatyr (in der Nähe des Sees Sson Kyl)" (USSR).—Distr.: USSR: SMA.

turkestanica BRODSKIJ, 1972: Ent. Obozr., 51: 641 (*Asiorea*). Type-locality: "Northern slope of the Turkestan range, Kul'-Sai r., Char-Tang gorge (Guralesh reserve)" (USSR: SMA).—Distr.: USSR: SMA.

Bibliocephala OSTEN SACKEN, 1874

OSTEN SACKEN, 1874: Rep. U.S. geol. Survey Terr., 7(1873): 564.

Type-species: *Bibliocephala grandis* OSTEN SACKEN, 1874: l.c.: 566 (mon.); not Palaearctic.

Bibionus CURRAN, 1923: Can. Ent., 55: 266. Type-species: *Bibionus griseus* CURRAN, 1923: l.c.: 268 (orig. des.) [= *grandis* OSTEN SACKEN, 1874]; not Palaearctic.

Amika KITAKAMI, 1950: J. Kumamoto Women's Univ., 2: 37. Type-species: *Liponeura infuscata* MATSUMURA, 1916: Thousand Ins. Japan, Add. 2: 413 (orig. des.).

infuscata (MATSUMURA, 1916): Thousand Ins. Japan, Add. 2: 413 (*Liponeura*). Type-localities: Hokkaido (Sapporo), Honshu (Morioka) (Japan).—Distr.: Asia: Japan.

jezoensis MATSUMURA, 1931: Six thousand illustrated insects of Japan-Empire: 407 (*Liponeura*). Type-locality: "region of Sapporo" Hokkaido (Japan).

infuscata minor KITAKAMI, 1931: Mem. Coll. Sci. Kyoto Univ. (B), 6: 75 (*Bibliocephala*). Type-locality: Maruyama, in Yamada near Kobe (Japan).—Distr.: Asia: Japan.

komaensis (KITAKAMI, 1950): J. Kumamoto Women's Univ., 2: 41 (*Amika*). Type-localities: "Reika (North Korea), 1300 m, Hakugan, 1400 m, Zenkyori, Gosui 1100 m, Odokasi in Manchuria, ca. 500 m (along the Eastern Manchurian Railway from Harbin to Botanko), Tonai 1440 m, Hotori 1030 m, Keizantin (upper stream of Oryokko River), Rekketsusui 1500 m (South Korea)".—Distr.: Asia: Korea, China (Manchuria).

maxima BRODSKIJ, 1954: Trudy zool. Inst., Leningr., 15: 229 (*Bibliocephala*). Type-localities: "Altai, r. Bija, r. Yan-Tsili" (USSR).—Distr.: USSR: KZ (Altai).

Blepharicera MACQUART, 1843

MACQUART, 1843: Annls Soc. ent. Fr., (2) 1: 61.

Type-species: *Blepharicera limbipennis* MACQUART, 1843: l.c.: 63 (orig. des.) [= *fasciata* (WESTWOOD, 1842)].

Asthenia WESTWOOD, 1842: Mag. Zool. Anat. comp., 12, no. 94. Type-species: *Asthenia fasciata* WESTWOOD, 1842: l.c.: no. 94 (mon.). [A junior homonym of *Asthenia* HÜBNER, 1825 and *Asthenia* WESTWOOD, 1841.]

Blepharocera LOEW, 1858: Berl. ent. Z., 2: 107, unjustified emendation of *Blepharicera* MACQUART.

Parablepharocera KITAKAMI, 1931: Mem. Coll. Sci. Kyoto Univ. (B), 6: 97. Type-species: *Blepharocera shirakii* ALEXANDER, 1922: Insecutor Inscit. menstr., 10: 22 (orig. des.).

- [**apoensis** (ALEXANDER, 1952): Bull. Brooklyn ent. Soc., **47**: 92 (*Blepharocera*). Type-locality: Philippines (Mindanao), Mainit R., Mt. Apo.—Distr.: Asia: Philippines.]
- asiatica** (BRODSKIJ, 1930): Zool. Anz., **92**: 135 (*Blepharocera*, as subsp. of *fasciata* WESTWOOD). Type-locality: "Sailiiski Alatau (Transiliische), Fluß Issyk" (USSR).—Distr.: USSR: KZ, SMA; Asia: Afghanistan; Pakistan, N India.
- kuenlunensis** (LACKSCHEWITZ, 1935): Wiss. Erg. Niederländ. Exped. Karakorum, **1**: 391 (*Blepharocera*). Type-locality: "Sanju-Pass to Sanju Bazar, Karakorum".
- tertia** (KAUL, 1971): Orient. Ins., **5**: 419 (*Blepharocera*). Type-locality: "Northwest Himalaya, southern slopes of Pir Panjal Range, left bank of the Jobri Nullah, 3300 m" (India).
- autumnalis** (KAUL, 1971): Orient. Ins., **5**: 423 (*Blepharocera*). Type-locality: "Northwest Himalaya, southern slopes of the Pir Panjal Range, right bank of R. Solang, 2900 m" (India).
- [**dimorphops** (ALEXANDER, 1953): Bull. Brooklyn ent. Soc., **48**: 101 (*Blepharocera*). Type-locality: "China (Fukien): Ta-chu-lan".—Distr.: Asia: China.]
- esakii** (ALEXANDER, 1924): Insecutor Inscit. menstr., **12**: 52 (*Blepharocera*). Type-locality: "Japan (Honshiu), Mt. Takao, Musashi-no-kuni, 500 ft".—Distr.: Asia: Japan.
- fasciata** (WESTWOOD, 1842): Mag. Zool. Anat. comp., **12**, no. 94 (*Asthenia*). Type-locality: "Albania".—Distr.: Europe: A (marginally), AL, BG, CS, D (marginally), E, F, GR, I, P, PL (marginally), R, YU; USSR: SET; Asia: Iran, Lebanon, Turkey.
- limbipennis** MACQUART, 1843: Anns Soc. ent. Fr., (2) **1**: 63 (*Blepharicera*). Type-locality: "Puy,...sans doute la vallée de la Loire, voisine de sa source" (France).
- armeniaca** (KOMÁREK, 1914): Sber. K. böhm. Ges. Wiss., Cl. II, **10**: 9 (*Blepharocera*, as subsp. of *fasciata*). Type-localities: South Armenia: nr Ordubat and Migri; nr Legwas.
- fasciata gynops** (ZWICK, 1970): Mitt. schweiz. ent. Ges., **43**: 56 (*Blepharocera*). Type-locality: "Sardinien, Sarrabus, Rio Picocca nahe Monte Accutzu Sarrabesu, 100 m" (Italy).—Distr.: Europe: I (Sardinia).
- indica** (BRUNETTI, 1911): Rec. Indian Mus., **4**: 316 (*Blepharocera*). Type-locality: Phagu, Simla District (India).—Distr.: Asia: Afghanistan; Pakistan, India, Sri Lanka.
- japonica** (KITAKAMI, 1931): Mem. Coll. Sci. Kyoto Univ. (B), **6**: 103 (*Blepharocera*). Type-localities: "Kibune, Kurama and Atago near Kyoto; Yamada and Arima near Kobe; Kosibu in Province of Sinano; Mt. Sugoroku in Province of Hida" (Japan).—Distr.: Asia: Japan.
- [**macropyga** ZWICK, 1990: Bonn. zool. Beitr., **41**: 252 (*Blepharicera*). Type-locality: Ta Han, Hainan Island (China).—Distr.: Asia: China (Hainan Island).]

- [**pusilla** ZWICK, 1990: Bonn. zool. Beitr., **41**: 235 (*Blepharicera*). Type-locality: Gombak River, Lendong Rd., 15.5 mls from Kuala Lumpur (Malaysia).—Distr.: Asia: Malaysia.]
- shirakii** (ALEXANDER, 1922): Insecutor Inscit. menstr., **10**: 22 (*Blepharocera*). Type-locality: "Japan, Honshu, Tokumoto, Province of Shinano".—Distr.: Asia: Japan.
- [**taiwanica** (KITAKAMI, 1937): Mem. Coll. Sci. Kyoto Univ. (B), **12**: 124 (*Blepharocera*). Type-locality: Upper stream of the Daikokei River (Taiwan).—Distr.: Asia: Taiwan.]
- tanidai** ZWICK, 1990: Bonn. zool. Beitr., **41**: 242 (*Blepharicera*). Type-locality: Honshu, Ishikawa, Mt. Hakusan Area, Koaka-dan (Japan).—Distr.: Asia: Japan (Honshu).
- [**tetrophthalma** (EDWARDS, 1933): J. fed. Malay St. Mus., **17**: 248 (*Blepharocera*). Type-locality: Tampassuk R., Mt. Kinabalu, Sabah, Borneo.—Distr.: Asia: Malaysia (Sabah).]
- [**thurmanae** (ALEXANDER, 1953): Bull. Brooklyn ent. Soc., **48**: 102 (*Blepharocera*). Type-locality: "Thailand (Chiengmai): Chom Tong, 1000 ft".—Distr.: Asia: Thailand.]
- [**uenoi** (KITAKAMI, 1937): Mem. Coll. Sci. Kyoto Univ. (B), **12**: 125 (*Blepharocera*). Type-locality: "The upper stream of the Daikokei River, Taiwan (Formosa)".—Distr.: Asia: Taiwan.]
- yamasakii** (KITAKAMI, 1950): J. Kumamoto Women's Univ., **2**: 70 (*Blepharocera*). Type-localities: "Manchuria, Western foot of Mt. Hakutô, Kinko, ca. 1000m, beside dense forest; Manko, Chinko, ca. 800m; Odokasi, along the Eastern Manchurian Railway from Harbin to Botanko, ca. 500m, beside dense forest" (China).—Distr.: Asia: China (Manchuria).
- yankovskyi** (ALEXANDER, 1953): Bull. Brooklyn ent. Soc., **48**: 100 (*Blepharocera*). Type-locality: Ompo, 66 ft (Korea).—Distr.: Asia: Korea.

Doubtful species

- [**alhnicola** (KAUL, 1984): J. Bombay Nat. Hist. Soc., **81**: 161 (*Blepharocera*). Type-locality: "India: Himachal Pradesh: Parini (Kulu valley), 2000 m".]
- [**rahlaea** (KAUL, 1984): J. Bombay Nat. Hist. Soc., **81**: 164 (*Blepharocera*). Type-locality: "India: Himachal Pradesh: Rhala (Kulu valley), 3200 m".]

Dioptopsils ENDERLEIN, 1937

ENDERLEIN, 1937: Mitt. dt. ent. Ges., 7(1936): 43.

Type-species: *Philorus djordjevici* KOMÁREK, 1932: Acta Soc. ent. jugosl., 5-6 (1930-1931): 9 (mon.).

djordjevici (KOMÁREK, 1932): Acta Soc. ent. jugosl., 5-6 (1930-1931): 9 (*Philorus*). Type-localities: Korab Mts, rivers Stirovacka nr Ceselija and Ribnica nr Tanusaj (Yugoslavia/ Albania).—Distr.: Europe: AL, GR, YU.

sardous ZWICK, 1968: Mitt. schweiz. ent. Ges., 41: 255 (*Dioptopsis*). Type-locality: "Quellrinnsal des Rio Calaresu, Arcu Correboi, nordöstlicher Gennargentu, Sardinien, 1300 m" (Italy).—Distr.: Europe: I (Sardinia).

vernus GIUDICELLI, 1963: Bull. Soc. zool. Fr., 88: 592 (*Dioptopsis*). Type-localities: Corsica, Tavignano and Restonica (France).—Distr.: Europe: F (Corsica).

Hapalothrix LOEW, 1876

LOEW, 1876: Dt. ent. Z., 20: 211.

Type-species: *Hapalothrix lugubris* LOEW, 1876: l.c.: 212 (mon.).

lugubris LOEW, 1876: Dt. ent. Z., 20: 212 (*Hapalothrix*). Type-locality: "Südseite des Monte Rosa nahe Macugnana [sic], 6000 Fuss" (Italy).—Distr.: Europe: A, CH, D, F, I, YU.

Liponeura LOEW, 1844

LOEW, 1844: Stettin ent. Ztg, 5: 118.

Type-species: *Liponeura cinerascens* LOEW, 1844: l.c.: 118 (mon.).

Cardiocreps ENDERLEIN, 1936: Tierwelt Mitteleur., 6(2), Diptera: 8. Type-species: *Liponeura breviostris* LOEW, 1877: Z. Ent., Breslau, 6: 67 (mon.).

alticola GIUDICELLI et BOUZIDI, 1987: Vie Milieu, 37: 201 (*Liponeura*). Type-locality: "Maroc: Haut-Atlas, oued Reghaya en amont du marabout Sidi Chamharouch, altitude 2310 m (31°6'N/7°40'W)".—Distr.: North Africa: Morocco.

anatolica ZWICK, 1972: Nouv. Revue Ent., 2: 26 (*Liponeura*). Type-locality: "Türkei, Bergbach beim Ortsteil Iliça des Dorfes Çamlıhemsin, Tatos Dagları, NO-Anatolien, 1400 m".—Distr.: Asia: Turkey.

angelieri GIUDICELLI et LAVANDIER, 1975: Annls Limnol., 10(1974): 248 (*Liponeura*). Type-locality: Pyrénées, Vallée d'Aure, ruisseau de Nistos (France).—Distr.: Europe: E, F, P.

- bezzii** BISCHOFF, 1925: Zool. Jb. Syst., **51**: 364 (*Liponeura*, as var. of *decipiens* BEZZI). Type-locality: "Italien".—Distr.: Europe: I.
- bilobata** LOEW, 1869: Boll. Soc. ent. ital., **1**: 92 (*Liponeura*). Type-localities: "Italia meridionale e... isole della Grecia".—Distr.: Europe: AL, BG (not I!), GR, YU.
- bischoffi** EDWARDS, 1928: Encycl. ent. (B II) Dipt., **4**: 177 (*Liponeura*). Type-localities: Corsica: Restonica Valley above Corté; junction of rivers Aitone and Porto, near Evisa (France).—Distr.: Europe: F (Corsica), I (Sardinia).
- minor* BISCHOFF, 1925: Zool. Jb. Syst., **51**: 330 (*Liponeura*, as var. of *decipiens* BEZZI). Type-locality: "Korsika, Bach am Bahnhof Vizzavona" (France). [A junior primary homonym of *L. cinerascens minor* BISCHOFF, 1922.]
- bithynica** ZWICK, 1988: Mitt. schweiz. ent. Ges., **61**: 124 (*Liponeura*). Type-locality: "Anatolia, Kütahya: N Durabey (39°53'N/29°36'E)" (Turkey).—Distr.: Asia: Turkey.
- brevirostris** LOEW, 1877: Z. Ent., Breslau, **6**: 67 (*Liponeura*). Type-localities: "Schlesien, bei Salzbrunn, Flinsberg, Commotau" (Poland).—Distr.: Europe: B, CS, D, DDR, F, PL, R.
- vogesiaca* HUBAULT, 1927: Bull. biol. Fr. Belg., Suppl., **9**: 181 (*Liponeura*). Type-localities: Vosges: Meurthe above Plainfaing, between Rudlin and Valtin; region of Servance (France).
- sudetica* BISCHOFF, 1930: Zool. Anz., **92**: 13 (*Liponeura*, as var. of *vogesiaca* HUBAULT). Type-locality: Riesengebirge (Czechoslovakia). [A junior primary homonym of *L. brevisrostris sudetica* BISCHOFF, 1930.]
- buressi** KOMÁREK et VIMMER, 1934: Mitt. kgl. naturw. Inst. Sofia, **7**: 21 (*Liponeura*). Type-locality: "Fluss Radika, westl. Tetovo, Südjugoslawien".—Distr.: Europe: AL, GR, YU.
- cinerascens** LOEW, 1844: Stettin ent. Ztg, **5**: 118 (*Liponeura*). Type-locality: "Schlesien" (Poland).—Distr.: Europe: B, CS, D, DDR, E, F (incl. Corsica), I, P, PL, YU; Asia: Turkey.
- tyrrhenica* EDWARDS, 1928: Encycl. ent. (B II) Dipt., **4**: 175 (*Liponeura*, as subsp. of *cinerascens*). Type-localities: Corsica: "La Foce de Vizzavona (eastern side of pass); Tavignano Gorge; Valdonellio forest near Albertacce; by the old mill, Aitone Forest; and at the junction of the rivers Aitone and Porto" (France).
- thueringiensis* BISCHOFF, 1930: Zool. Anz., **92**: 14 (*Liponeura*, as var. of *cinerascens*). Type-locality: Probstzella (Thüringen) [DDR].
- pyrenaica* VAILLANT, 1968: Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, **59/60**: 110 (*Liponeura*). Type-localities: France, Pyrénées: ruisseau de Lavendan; l'Espiaube à Soulan; ruisseau de Merlans, cascade au lac d'Oule; l'Estarragne; Neste de Couplain à Artigues; ruisseau de Lassas; ruisseau de la Mousquère; ruisseau de Lastie; ruisseau de Barrancoueu; affluent de l'Escalette; ruisseau des Pins; ruisseau de Sarranet; Col de Puymorons.
- cinerascens jugoslavica** KOMÁREK et VIMMER, 1934: Mitt. kgl. naturw. Inst. Sofia, **7**: 29 (*Liponeura*). Type-localities: Schar-planina, Korab, Jablanica-planina west of Skopje and east and south of Debar (Yugoslavia).—Distr.:

Europe: BG, GR, R, YU.

komareki BISCHOFF, 1925: Zool. Jb. Syst., **51**: 342 (*Liponeura*, as var. of *cinerascens*). Type-locality: not given; according to BISCHOFF, 1928: Zool. Jb. Syst., **54**: 450: Bulgaria: Vitosa Mts (Dizgaleffzi), Rila Mts (Tschem Korijsa; Mala Zerkwa), Rhodope Mts (spring stream of River Maritza; Musalla). [A junior primary homonym of *L. komareki* VIMMER, 1916.]

cinerascens minor BISCHOFF, 1922: Zool. Jb. Syst., **46**: 85 (*Liponeura*, as var. of *cinerascens*). Type-localities: Allgäu, Oberstdorf (Traufbach, Faltenbach, Weiler Spielmannsau, Stillach) [D].—Distr.: Europe: A, CH, CS, D, F, PL, R, YU.

typica BISCHOFF, 1922: Zool. Jb. Syst., **46**: 86 (*Liponeura*, as var. of *cinerascens*). Type-locality: "Tirol, Schluderbach" (Austria). [A junior primary homonym of *L. brevirostris typica* BISCHOFF, 1922.]

major BISCHOFF, 1925: Zool. Jb. Syst., **51**: 344 (*Liponeura*, as var. of *cinerascens*). [Replacement name for *L. cinerascens typica* BISCHOFF.

oberstdorfiensis BISCHOFF, 1925: Zool. Jb. Syst., **51**: 344 (*Liponeura*, as var. of *cinerascens*). [Unjustified replacement name for *L. cinerascens minor* BISCHOFF, 1922.]

meridionalis VAILLANT, 1968: Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, **59/60**: 108 (*Liponeura*). Type-locality: "France: Alpes de Provence, Massif du Mercantour, torrent de l'Empuonranta, près de sa confluence avec la Gordolasque".

occidentalis VAILLANT, 1968: Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, **59/60**: 108 (*Liponeura*). Type-localities: "France: Alpes du Dauphiné, le Rif du Col, col de Lautaret".

vanosica VAILLANT, 1968: Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, **59/60**: 110 (*Liponeura*). Type-locality: "France: Alpes de la Vanoise, torrent de Fontabert, affluent de la Rocheure, entre Balme Froide et Mourre de la Bourgeat".

cordata VIMMER, 1916: Rozpr. české Akad., (2) **25**(5): 12 (*Liponeura*). Type-locality: "Bulgaria, Cepelare".—Distr.: Europe: PL, A, AL, BG, CH, CS, D, DDR, F, GR, I, R, YU.

hetschkoi BISCHOFF, 1922: Zool. Jb. Syst., **46**: 77 (*Liponeura*, as var. of *brevirostris* LOEW). Type-localities: Allgäu, Oberstdorf (Faltenbach, Oybach, Traufbach) [D].

typica BISCHOFF, 1922: Zool. Jb. Syst., **46**: 82 (*Liponeura*, as var. of *brevirostris* LOEW). Type-locality: "Tabarz, Thüringen"[DDR]. [A senior primary homonym of *L. cinerascens typica* BISCHOFF, 1922.]

loewi BISCHOFF, 1925: Zool. Jb. Syst., **51**: 345 (*Liponeura*, as var. of *brevirostris* LOEW). [Unjustified replacement name for *L. brevirostris typica*.]

sudetica BISCHOFF, 1930: Zool. Anz., **92**: 13 (*Liponeura*, as var. of *brevirostris* LOEW). Type-locality: Riesengebirge (Czechoslovakia).

- cortensis** GIUDICELLI, 1963: Bull. Soc. zool. Fr., **88**: 383 (*Liponeura*). Type-localities: Corsica, rivers Restonica and Golo below Ponte Castirla at 500 m (France).—Distr.: Europe: F (Corsica).
- cretica** ZWICK, 1974: Mitt. schweiz. ent. Ges., **47**: 33 (*Liponeura*). Type-locality: "Moni Veniu (24°35'O, 35°17'N)", Crete (Greece).—Distr.: Europe: GR (Crete).
- cypria** ZWICK, 1978: Bonn. zool. Beitr., **29**: 255 (*Liponeura*). Type-locality: "Zypern, oberhalb Mesopotami (32°52'O/34°55'N)".—Distr.: Europe: CY.
- decampsi** GIUDICELLI et LAVANDIER, 1975: Annls Limnol., **10**(1974): 251 (*Liponeura*). Type-locality: "Pyrénées, Vallée d'Aure, Neste d'Aure à 750 m" (France).—Distr.: Europe: E, F.
- deceptiva** VAILLANT, 1968: Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, **59/60**: 106 (*Liponeura*). Type-localities: Massif Central, La Laise entre Saint-Pardoux et Combronde; Pyrénées, L'Arros, affluent de l'Adour; ruisseau de Nistos à Bonrepayre; ruisseau de la Mosquère en amont du village Mosquère (France).—Distr.: Europe: E, F.
- deceptrix** ZWICK, 1978: Bonn. zool. Beitr., **29**: 249 (*Liponeura*). Type-locality: "Spanien, Sierra Nevada, 2000-2500 m".—Distr.: Europe: E.
- decipiens** BEZZI, 1913: Boll. Soc. ent. ital., **44**(1912): 96 (*Liponeura*). Type-localities: Mti Sibillini; Aquasanta nr Bolognolo; Mollaro in Val di Non (Lectotype ZWICK, 1980), Trentino; Morii; Sondrio, Valmalenco (Italy), Cerdagne (France).—Distr. Europe: A, B, CH, CS, D, DDR, E, F, I, YU.
- belgica** BISCHOFF, 1924: Zool. Anz., **58**: 253 (*Liponeura*). Type-locality: Belgium.
- allgaeui** BISCHOFF, 1930: Zool. Anz., **92**: 15 (*Liponeura*, as var. of *belgica* BISCHOFF). Type-locality: Oberstdorf, Allgäu [D].
- carpathica** BISCHOFF, 1930: Zool. Anz., **92**: 15 (*Liponeura*, as var. of *belgica* BISCHOFF). Type-locality: Tatra (Czechoslovakia).
- discophora** ZWICK, 1980: Aquat. Ins., **2**: 43 (*Liponeura*). Type-locality: "Italien, Calabria, Passo de Pietra Spada, Fontana delle Belle Donne, 1300 m" (the indication "Sila Piccola" is erroneous: NICOLAI, 1982).—Distr.: Europe: I.
- edwardsi** BISCHOFF, 1930: Zool. Anz., **92**: 17 (*Liponeura*, as var. of *belgica* BISCHOFF). Type-locality: confluence of rivers Aitone and Porto, Corsica (France).—Distr.: Europe: F (Corsica).
- insularis** GIUDICELLI, 1965: Annls Soc. ent. Fr. (N.S.), **1**: 367 (*Liponeura*). Type-locality: confluence of rivers Aitone and Porto, Corsica (France).
- edwardsiana** MANNHEIMS, 1954: Bonn. zool. Beitr., **1**: 101 (*Liponeura*). Type-locality: R. Porto nr Evisa, Corsica (France).—Distr.: Europe: F (Corsica).
- euryfrons** BISCHOFF, 1935: Arch. Hydrobiol., **28**: 484 (*Liponeura*). Type-localities: "Caucasus, Grusinische Heerstrasse: Gebirgsbach Gwilety-Tzhali; Gebirgsbach auf dem Wege zur Station Kazbek, 1600 m; Kazbek, Fluss Gergetis-Tzhali; Kazbek, Wasserfall Arscha (USSR).—Distr.: USSR: SET (Rs); Asia: Turkey, Iran.

- gauthieri** (VAILLANT, 1956): Bull. Soc. ent. Fr., **61**: 113 (*Cardiocrepsis*). Type-locality: "Atlas de Blida, ruisseau des Singes" (Algeria).—Distr.: North Africa: Algeria.
- gelaiana** GIUDICELLI et LAVANDIER, 1975: Annls Limnol., **10**(1974): 254 (*Liponeura*). Type-locality: "Pyrénées, Vallée d'Aure, Espiaube" (France).—Distr.: Europe: E, F.
- heidai** ZWICK, 1972: Nouv. Revue Ent., **2**: 27 (*Liponeura*). Type-locality: "reissende Gefällstrecke in grösserem Bach unmittelbar unterhalb Sürgü, SO-Taurus, ca. 1000 m" (Turkey).—Distr.: Asia: Turkey.
- itala** ZWICK, 1978: Bonn. zool. Beitr., **29**: 251 (*Liponeura*). Type-locality: "Calabria, Coscile bei Spazzini-Albanese, 100 m" (Italy).—Distr.: Europe: I.
- komareki** VIMMER, 1916: Rozpr. české Akad., (2) **25**(5): 3 (*Liponeura*). Type-locality: "Bulgaria, Knazevo".—Distr.: Europe: BG.
- klapaleki** VIMMER, 1916: Rozpr. české Akad., (2) **25**(5): 4 (*Liponeura*). Type-locality: "Bulgaria, Knazevo".
- limomi** ZWICK, 1980: Aquat. Ins., **2**: 51 (*Liponeura*). Type-locality: "Italien, Sicilia, San Piero Patti".—Distr.: Europe: I.
- lindneri** ZWICK, 1972: Nouv. Revue Ent., **2**: 28 (*Liponeura*). Type-locality: "Türkei, Akschehir [= Aksehir] Tal, Sultan Dagl., 1500 m".—Distr.: Asia: Turkey.
- malickyi** ZWICK, 1974: Mitt. schweiz. ent. Ges., **47**: 36 (*Liponeura*). Type-locality: "östl. Agios Ioannis (25°53'O/35°03'N)", Crete (Greece).—Distr.: Europe: GR (Crete).
- mannheimsi** ZWICK, 1972: Nouv. Revue Ent., **2**: 29 (*Liponeura*). Type-locality: "Türkei, aus dem Abfluss des Abant-Sees (bis zu 10 km unter dem See), Bolu Dagı, NW-Anatolien, 1000-1500 m".—Distr.: Asia: Turkey.
- matris** ZWICK, 1982: Annls Limnol., **17**: 251 (*Liponeura*). Type-locality: "France, Dpt. Aude, Montagne Noire N. of Carcassonne, La Dure at Cuxac-Carbardès, 600 m".—Distr.: Europe: F.
- megalatlantica** (VAILLANT, 1956): Bull. Soc. ent. Fr., **61**: 116 (*Cardiocrepsis*). Type-locality: "Grand Atlas marocain, Massif du Toubkal, en amont d'Asni".—Distr.: North Africa: Morocco.
- nevadensis** ZWICK, 1978: Bonn. zool. Beitr., **29**: 256 (*Liponeura*). Type-locality: "N slope Veleta, Sierra Nevada, 2000 m" (Spain).—Distr.: Europe: E.
- paradecipiens** ZWICK, 1980: Aquat. Ins., **2**: 53 (*Liponeura*). Type-locality: "Basilicata, Lauria near Lagonegro" (Italy).—Distr.: Europe: I.
- pontica** ZWICK, 1972: Nouv. Revue Ent., **2**: 31 (*Liponeura*). Type-locality: "Bergbach beim Ortsteil Iliça des Dorfes Çamlıhemsin, Tatos Dagları, NO-Anatolien, 1400 m" (Turkey).—Distr.: Asia: Turkey.
- sirouana** (VAILLANT, 1956): Bull. Soc. ent. Fr., **61**: 117 (*Cardiocrepsis*). Type-locality: "Massif du Siroua, Djebel Siroua vers 3300 m" (Morocco).—Distr.: North Africa: Morocco.
- tarnogradskyi** BISCHOFF, 1930: Zool. Anz., **92**: 10 (*Liponeura*). Type-locality: N Caucasus (USSR).—Distr.: USSR: SET (Rs); Asia: Turkey.

- taurica** ZWICK, 1972: *Nouv. Revue Ent.*, **2**: 33 (*Liponeura*). Type-locality: "reissende Gefällstrecke eines grösseren Bachs unmittelbar unter Sürgü, SO-Taurus, ca. 1000 m" (Turkey).—Distr.: Asia: Turkey.
- thienemanni** BISCHOFF, 1930: *Zool. Anz.*, **92**: 11 (*Liponeura*). Type-locality: N Caucasus (USSR).—Distr.: USSR: SET (Rs).
- vimmeri** MANNHEIMS, 1954: *Bonn. zool. Beitr.*, **1**: 98 (*Liponeura*). Type-locality: "Knjacevo" (Bulgaria).—Distr.: Europe: A, BG, CS, D, DDR, R, YU.

Doubtful species

- kaukasica** (KOMÁREK, 1914): *Sber. K. böhm. Ges. Wiss., Cl. II*, **10**: 3 (*Blepharocera*, as var. of *brevirostris* LOEW). Type-locality: "Bach im Tale des Gletschers Gerescho am Fusse der Berge Dschangu-tau und Tetnuld in Svanetien" (USSR).
- platyfrons** (KOMÁREK, 1914): *Sber. K. böhm. Ges. Wiss., Cl. II*, **10**: 4 (*Blepharocera*). Type-locality: Caucasus: "am Fusse des Tetnuld und Dschangu-tau unweit des Dorfes Kali im Jugurtale" (USSR).

Nomina nuda

- annulata** MANNHEIMS, 1967: *Limnofauna Europaea* (ed. J. ILLIES): 314 (*Liponeura*).
- deceptiva** MANNHEIMS, 1967: *Limnofauna Europaea* (ed. J. ILLIES): 314 (*Liponeura*).
- iberica** MANNHEIMS, 1967: *Limnofauna Europaea* (ed. J. ILLIES): 314 (*Liponeura*).
- itala** MANNHEIMS, 1967: *Limnofauna Europaea* (ed. J. ILLIES): 314 (*Liponeura*).
- sardoa** MANNHEIMS, 1967: *Limnofauna Europaea* (ed. J. ILLIES): 314 (*Liponeura*).
- vockerothi** MANNHEIMS, 1967: *Limnofauna Europaea* (ed. J. ILLIES): 314 (*Liponeura*).

Neohapalothrix KITAKAMI, 1938

- KITAKAMI, 1938: *Mem. Coll. Sci. Kyoto Univ. (B)*, **14**: 341.
Type-species: *Neohapalothrix kanii* KITAKAMI, 1938: l.c.: 344 (mon.).
- Asiobia** BRODSKIJ, 1954: *Trudy zool. Inst., Leningr.*, **15**: 245. Type-species: *Asiobia acanthonympha* BRODSKIJ, 1954: l.c.: 250 (mon.).
- acanthonympha** (BRODSKIJ, 1954): *Trudy zool. Inst., Leningr.*, **15**: 250 (*Asiobia*).
Type-localities: USSR: FE: r. Angara, Padun; S-Primorje: r. Bikin; KZ: Altai, r. Bija.—Distr.: USSR: KZ, FE.
- kanii** KITAKAMI, 1938: *Mem. Coll. Sci. Kyoto Univ. (B)*, **14**: 344 (*Neohapalothrix*). Type-locality: Sinano Province, Nagawa-Village, Kurokawa stream, 1100 m, near the foot of Mt. Norikura (Japan).—Distr.: Asia: Japan.

manschukuensis (MANNHEIMS, 1938): Arb. morph. taxon. Ent. Berl., 5: 329 (*Curupira*). Type-locality: "Weischache, Manschukuo" (China).—Distr.: Asia: China (Manchuria).

Phllorus KELLOG, 1903

KELLOG, 1903: Proc. Calif. Acad. Sci., (3) Zool., 3: 199.

Type-species: *Blepharocera yosemite* OSTEN SACKEN, 1877: Bull. U.S. geol. geogr. Survey Terr., 3: 194 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 588); not Palaearctic.

Euliponeura TONNOIR, 1930: Rec. Indian Mus., 32: 176. Type-species: *Euliponeura horai* TONNOIR, 1930: l.c.: 176 (orig. des.); not Palaearctic.

Pelmia ENDERLEIN, 1937: Mitt. dt. ent. Ges., 7(1936): 42. Type-species: *Blepharocera yosemite* OSTEN SACKEN, 1877: Bull. U.S. geol. geogr. Survey Terr., 3: 194 (orig. des.); not Palaearctic.

alpinus KITAKAMI, 1931: Mem. Coll. Sci. Kyoto Univ. (B), 6: 83 (*Philorus*). Type-localities: "Tokugô and Kosibu in Province of Sinano; Gamada in Province of Hida; Kurobe in Province of Ettyû" (Japan).—Distr.: Asia: Japan.

asiaticus BRODSKIJ, 1972: Ent. Obozr., 51: 638 (*Philorus*). Type-localities: USSR, Western Tien-Shan, Chatkal and Pskem ranges: Chirchik r. at Chatkal, Besh-Aryk, Naizva, Bir-Bulak; Central Tien-Shan, trib. of Lesser Naryn, Too-Zhaiit r.; Western Pripamirje: Khadzhi-Obi-Garm, Mazar-Darja r., trib. of Kajanda r., upper reaches of Kolondie r., Nul'-vand.—Distr.: USSR: SMA.

[**assamensis** (TONNOIR, 1930): Rec. Indian Mus., 32: 207 (*Euliponeura*). Type-locality: "Dumpep, Khasi Hills, Assam" (India).—Distr.: Asia: North India.]

chosenensis KITAKAMI, 1931: Mem. Coll. Sci. Kyoto Univ. (B), 6: 93 (*Philorus*). Type-locality: "Mt. Kongô in Chosen (North Korea)".—Distr.: Asia: Korea.

[**dubeyi** KAUL, 1971: Orient. Ins., 5: 433 (*Philorus*). Type-locality: "Northwest Himalaya, right bank of the R. Solang, southern slopes of the Pir Panjal Range, 2600 m" (India).—Distr.: Asia: North India.]

ezoensis KITAKAMI, 1931: Mem. Coll. Sci. Kyoto Univ. (B), 6: 86 (*Philorus*). Type-locality: "Mt. Ezohudi in Hokkaido (Japan).—Distr.: Asia: Japan.

gokaensis KITAKAMI, 1950: J. Kumamoto Women's Univ., 2: 54 (*Philorus*). Type-locality: "Gokanosyo, in Kyusyu, Tarumizu, Kamiarezi" (Japan).—Distr.: Asia: Japan.

[**horai** (TONNOIR, 1930): Rec. Indian Mus., 32: 176 (*Euliponeura*). Type-locality: "Dalhousie, Punjab, Punj Pul Nullah and Krelnu Giri Nullah, 6500 ft." (India).—Distr.: Asia: North India.]

kibunensis KITAKAMI, 1931: Mem. Coll. Sci. Kyoto Univ. (B), 6: 85 (*Philorus*). Type-localities: "Kibune and Atago near Kyoto; Oze in Province of Ettyû; Iya in Sikoku" (Japan).—Distr.: Asia: Japan.

- kongoensis** KITAKAMI, 1950: J. Kumamoto Women's Univ., 2: 58 (*Phylorus*).
Type-localities: "Mt. Kongo, in middle Korea: Meikyodai, 700 m, Biroho, 930 m, Funsetsutan, 750 m, Hyakusendo, 500 m" (Korea).—Distr.: Asia: Korea.
- kuyaensis** KITAKAMI, 1931: Mem. Coll. Sci. Kyoto Univ. (B), 6: 87 (*Phylorus*).
Type-localities: "Atago, Kibune, Kurama and Kumogahata near Kyoto; Sakamoto near Otsu; Oze in Province of Ettyû; Iida, Mt. Komagadake, Simasima and Nakabusa in Province of Sinano; Takao in Province of Musasi; Iya in Sikoku" (Japan).—Distr.: Asia: Japan.
- longirostris** KITAKAMI, 1931: Mem. Coll. Sci. Kyoto Univ. (B), 6: 91 (*Phylorus*).
Type-localities: "Kibune and Atago near Kyoto; Sakamoto near Otsu; Yamada near Kobe; Nakanoyu, Kamikôti, Tokugô, Agematu and Otaki in Province of Sinano; Dorokawa in Province of Yamato; Yunohira near Beppu in Kyûsyû" (Japan).—Distr.: Asia: Japan.
- longirostris minor** KITAKAMI, 1931: Mem. Coll. Sci. Kyoto Univ. (B), 6: 93 (*Phylorus*). Type-locality: "Mt. Syakuzyô in Province of Hida" (Japan).—Distr.: Asia: Japan.
- [novem** KAUL, 1971: Orient. Ins., 5: 427 (*Phylorus*). Type-locality: "Northwest Himalaya, left bank of the R. Alhni, southern slopes of the Pir Panjal Range, 3500 m" (India).—Distr.: Asia: North India.]
- sikokuensis** KITAKAMI, 1931: Mem. Coll. Sci. Kyoto Univ. (B), 6: 89 (*Phylorus*).
Type-localities: "Tozuro and Iya in Sikoku" (Japan).—Distr.: Asia: Japan.
- simasimensis** KITAKAMI, 1931: Mem. Coll. Sci. Kyoto Univ. (B), 6: 90 (*Phylorus*). Type-locality: "Simasima in Province of Sinano" (Japan).—Distr.: Asia: Japan.
- [taiwanensis** KITAKAMI, 1937: Mem. Coll. Sci. Kyoto Univ. (B), 12: 122 (*Phylorus*). Type-locality: "Mountain region ca. 2400 m high from the sea-level, in the Prov. of Taityu, Taiwan (Formosa).—Distr.: Asia: Taiwan.]
- [thorus** KAUL, 1971: Orient. Ins., 5: 430 (*Phylorus*). Type-locality: "Northwest Himalaya, right bank of R. Solang, southern slopes of the Pir Panjal Range, 2600 m" (India).—Distr.: Asia: North India.]
- vividis** KITAKAMI, 1931: Mem. Coll. Sci. Kyoto Univ. (B), 6: 95 (*Phylorus*). Type-localities: "Kibune, Kurama, Atago and Kumogahata near Kyoto; Sakamoto and Ano near Otsu; Yamada and Arima near Kobe; Tokugô, Agematu and Suhara in Province of Sinano; Minobu in Province of Tôto-mi; Huzibasi, Syômyô and Oze in Province of Ettyû; Iya in Sikoku; Yunohira near Beppu in Kyûsyû" (Japan).—Distr.: Asia: Japan.

Tianshanella BRODSKIJ, 1930

BRODSKIJ, 1930: Zool. Anz., **90**: 137.

Type-species: *Tianshanella monstrosa* BRODSKIJ, 1930: l.c.: 142 (mon.).

monstrosa BRODSKIJ, 1930: Zool. Anz., **90**: 142 (*Tianshanella*). Type-locality: "Fluss Ala-Artscha, Alexandrowscher Bergzug" (Tianshan, USSR).—Distr.: USSR: KZ, SMA.

Tribe Apistomyiini**Apistomyia BIGOT, 1862**

BIGOT, 1862: Annls Soc. ent. Fr., (4) **2**: 109.

Type-species: *Apistomyia elegans* BIGOT, 1862: l.c.: 109 (mon.).

[**anamalaiensis** ALEXANDER, 1958: Bull. Brooklyn ent. Soc., **53**: 51 (*Apistomyia*). Type-locality: South India, Cinchona, Anamalai Hills.—Distr.: Asia: South India.]

aphrodite ZWICK, 1978: Bonn. zool. Beitr., **29**: 262 (*Apistomyia*). Type-locality: "Zypern, Agios Nikolaos, (32°52'O/34°58'N), 900 m".—Distr.: Europe: CY.

ariadne ZWICK, 1978: Bonn. zool. Beitr., **29**: 263 (*Apistomyia*). Type-locality: "Naxos, S. Koronis (25°32'O/37°08'N), 630 m" (Greece).—Distr.: Europe: GR (Naxos).

elegans BIGOT, 1862: Annls Soc. ent. Fr., (4) **2**: 109 (*Apistomyia*). Type-locality: Corsica (France).—Distr.: Europe: F (Corsica), I (Sardinia).

[**nigra** KITAKAMI, 1941: Mem. Coll. Sci. Kyoto Univ. (B), **16**: 66 (*Apistomyia*). Type-localities: Taiwan: "Rotyen-kei (Taroko Canyon) 200 m, Heisyana (Mt. Arisan) 1700 m".—Distr.: Asia: Taiwan.]

[**santokhi** KAUL, 1971: Orient. Ins., **5**: 417 (*Apistomyia*). Type-locality: "Northwest Himalaya, Dalhousie, Punj Pulla Stream" (India).—Distr.: Asia: North India.]

[**trilineata** BRUNETTI, 1911: Rec. Indian Mus., **4**: 315 (*Apistomyia*). Type-locality: Kurseong, Darjiling District (India).—Distr.: Asia: North India.]

uenoi (KITAKAMI, 1931): Mem. Coll. Sci. Kyoto Univ. (B), **6**: 103 (*Curupira*). Type-locality: "Nakabusa in Province of Sinano", Honshu (Japan).—Distr.: Asia: Japan.

Horaia TONNOIR, 1930

TONNOIR, 1930: Rec. Indian Mus., **32**: 193.

Type-species: *Horaia montana* TONNOIR, 1930: l.c.: 210 (mon.); not Palaearctic.
Manaliella KAUL, 1976: Orient. Ins., **10**: 25. Type-species: *Manaliella manaliella* KAUL, 1976: l.c.: 25 (mon.); not Palaearctic.

[*longipes* TONNOIR, 1932: Rec. Indian Mus., **34**: 271 (*Horaia*). Type-locality: "Punwa-sherra stream nr Dumpep, Khasi Hills" (India).—Distr.: Asia: North India.]

[*manaliella* (KAUL, 1976): Orient. Ins., **10**: 25 (*Manaliella*). Type-locality: left bank of Jagatsukh Nullah, near Manali, Kulu Valley, southern slope of Pir Panjal Range, 2000 m (India).—Distr.: Asia: North India.]

[*montana* TONNOIR, 1930: Rec. Indian Mus., **32**: 210 (*Horaia*). Type-locality: "Lashdat stream, Khasi Hills, Assam" (India).—Distr.: Asia: North India.]

Family Deuterophlebiidae

By L. Jedlička

The mountain midges are small peculiar Diptera. Body dark brown to black, 1.5 to 4 mm long. Head small, flat, hidden by thorax. Eyes relatively small, ocelli absent. Oral opening present on ventral side of clypeus, but mouthpart absent. Antennae 6-segmented, in female very short, in male 2.5 to 5 times longer than body (the 6th segment 10 to 12 times longer than first 5 ones). Thorax robust, prothorax reduced, mesonotum very convex, large, extending over the head. Prothoracic and metathoracic spiracles present, large. Wings very large, broad, 2.4 to 5.6 by 1.8 to 2.9 mm, posterior margin with hairs. Veins vestigial, indicated by very thickenings only. Secondary venation fan-like, with 3 concentric lines. Legs slender, elongate, trochanters 2-segmented, tarsi 5-segmented. Empodium in male large, nearly circular a flattened disc, set with long hairs; a single claw shorter than empodium. In female, claws paired, empodium thin, lanceolate, shorter than claws. Abdomen tapering apically, without spiracles. Hypopygium simple. Gonostyles robust, longer than aedeagus. Aedeagus tube-like or semicylindrical with a long flat plate. 10th tergite of females V-shaped at the tip, subgenital plate with a semicircular emargination.

Larvae eucephalic, body plano-convex, 3 to 5.5 mm long, green-grayish in colour. Head flat, antennae branched, their dorsal branch longer. The eyespot small. Mandibles, maxillae and maxillar palps present, labium absent. The thoracic segments distinctly separated. Abdomen consists of 8 segments, each of the first 7 segments bears one pair of lateral prolegs with a series of claw rows. The 8th abdominal segment small, with 2 long lobes. Ventral side of this segment with 5 membraneous finger-like lobes.

Pupae broadly oval, 3 to 4 mm in length, convex and strongly sclerotized, brown to blackish dorsally, ventrally flat with a thin, colourless cuticle. Head is placed ventrally and hidden by thorax. Prothorax and mesothorax fused. On their anterolateral margins are two respiratory horns (cuticular gills), each with a short, broad stem and 3 or 4 slender, crooked filaments. Mesonotum small, completely enclosed between the mesothorax and the 1st abdominal segment. The first 7 abdominal segments fully developed, first 2 with anterolateral sclerotized prominences. The 7th segment projects inward and enclose the small 8th and 9th segments. Near the lateral margins of the ventral surface of the 3rd to 5th abdominal segments are blackish, paired, oval adhesive pads.

Larvae and pupae of all known species live in cold mountain streams on the rock surfaces. The larvae are microphagous. The adult life is very short, in some species 2 hours only.

There are 8 described species, 4 in Asia and 4 in North America, and some undescribed species were found in different parts of the Himalayas, of the Soviet North-East Asia, and in Central Chile as well. The Amphipacific distribution of the family may be connected with migration over the Bering land bridge in the past.

References: EDWARDS, 1922; JEDLIČKA, 1980 (spp. distribution); JEDLIČKA and HALGOŠ, 1981; KENNEDY, 1958, 1960; KITAKAMI, 1938; PENNAK, 1945 (key of pupae), 1951 (comparison of males).

Deuterophlebia EDWARDS, 1922

EDWARDS, 1922: Ann. Mag. nat. Hist., (9) 9: 380.

Type-species: *Deuterophlebia mirabilis* EDWARDS, 1922: l.c.: 382 (orig. des.).

mirabilis EDWARDS, 1922: Ann. Mag. nat. Hist., (9) 9: 382 (*Deuterophlebia*).

Type-locality: Lake Gungabal (Kashmir).—Distr.: USSR: KZ (Altai Mt.), SMA (West Pamir, West Tian-Shan); Asia: West Himalayas.

nipponica KITAKAMI, 1938: Annotnes zool. jap., 17: 488 (*Deuterophlebia*). Type-localities: Kurama, Mt. Atago, Kibune, Seryo, Mt. Hira (all near Kyôto), Sakamoto (near Otu), Ueda (Oze, Ettyû), Maki (Sirakawa-go, Hida), Iwanadome (Tokugo, Sinano), Kurosawa (Kamikôti, Sinano), Huruyado, Kurokawado, Yakatahara (all Nagawa, Sinano), Simasima (Sinano), Tomoti (Higo, Kyushu) (Japan).—Distr.: Asia: Japan (Honshu, Kyushu).

sajanica JEDLIČKA et HALGOŠ, 1981: Biologia, Bratisl., 36: 973 (*Deuterophlebia*).

Type-locality: Ich-choro-gol (Eastern Sayan, Mongolia).—Distr.: USSR: KZ (Altai Mt.); Asia: Mongolia (Eastern Sayan, Turgen Uul, Mongol Altai).

tyosenensis KITAKAMI, 1938: Annotnes zool. jap., 17: 501 (*Deuterophlebia*).

Type-localities: Myokissyô (Mt. Kongô), Mt. Birô-hô (Mt. Kongô), Reika (Kankyônandô) (Korea).—Distr.: Asia: Korea.

Family Tipulidae

By P. Oosterbroek and Br. Theowald

Tipulidae are medium- to large-sized, slender-bodied Diptera, and include some of the largest forms among the Nematocera (body length up to 60 mm, wing length up to 40 mm).

Adults are characterized by wing-venation and elongate maxillary palps, the last segment usually being longer than the preceding segments together. Usually 13 antennal segments. Rostrum well developed and often with nasus. Compound eyes large, separated. Ocelli absent. Thorax with a transverse V-shaped mesonotal suture. Wings elongate with two anal veins reaching wing margin. Wings sometimes reduced. Sc 1 usually atrophied. Legs very long and slender. Tibiae without or with one or two apical spurs. Abdomen long and slender. Male terminalia (hypopygium) with a variety of characteristic features. Female terminalia (ovipositor) including two pairs of elongate valves (cerci and hypovalvae).

Larvae elongate cylindrical with a tough cuticle ("leatherjackets"). Body consisting of three thoracic and eight abdominal segments. Head capsule massive, hemicephalous and largely enclosed in prothoracic segments. Respiration metapneustic. Truncate posterior end of the larvae divided into a spiracular field with two spiracles and six lobes, and an anal field with anus and sometimes anal papillae or pushing organs.

Pupae obiect and usually provided with short mesothoracic horns. Eyes, palps, antennae, wings and legs clearly visible within sheaths. Abdominal segments, especially 4-7, usually with spines along posterior margin.

Larvae rarely aquatic, usually in semi-aquatic or terrestrial environments such as along streams, lakes, ponds, or marshes, in moist to wet cushions of mosses or liverworts, wood or sodden logs in various stages of decay, leaf litter, mud, sandy or gravelly riversides, dry soils of pasturelands, lawns, steppes and even semi-deserts. Life-cycle consisting of a usually brief egg stage (1-2 weeks), 4 larval stages, and a short pupal stage (1-2 weeks) before emergence of the short-lived adult. Summer as well as winter diapause of certain stages is often noted. Species under temperate conditions produce one or two generations a year, but depending on the species and the environmental conditions, the entire cycle may be as short as 10 weeks or as long as 6 years. Larvae feed on decaying plant material, a few species, especially in *Tipula* (*Tipula*) and *Nephrotoma*, are destructive feeders on pasture grasses, seedlings, and crops and may cause severe commercial losses. Adults do not appear to feed to any extent, and have only rarely been observed taking liquids at flowers.

Tipulidae are to be found from the northernmost lands in the Arctic (82°30' N) to equatorial forests and from sea-level to about 5200 m elevation. Usually they are associated with moist and temperate environments of forested or more open areas such as swamps, marshes, and meadows. Some species can be very abundant locally and of great ecological importance as food for a variety of animals.

The family belongs, together with the Limoniidae and Cylindrotomidae to the Tipuloidea. The oldest Tipuloidea are known from the Lower Jurassic (200 My BP), the oldest Tipulidae are found in Paleocene sediments and amber, but the family is supposedly much older, about Mid Mesozoic, as is manifest from the Gondwanian distribution patterns of many Southern Hemisphere taxa and the diversity of the Paleogene fauna. The phylogenetic arrangement of the Tipulidae is not yet clearly understood. Cylindrotomidae and Tipulidae are probably sistergroups, closely related to part of the Limoniidae.

The family comprises about 4000 described species, the majority of which were described by C. P. Alexander. Most Palaearctic species were described by western European and Russian workers. The arrangement in this catalogue follows the classifications of Mannheims, Oosterbroek, Savchenko, Theischinger, and Theowald. About 1250 (sub)species are catalogued, arranged in 17 genera and 33 subgenera. Northern Oriental species, not mentioned by Alexander & Alexander (1973), are listed as well. Chinese provinces have been included as far south as Sichuan (Szechwan), Hubei (Hupeh), Anhui (Anhui) and northern Zhejiang (Chekiang). Taken into account are papers published before January 1, 1990, except for Arnaud and Byers (1990).

We wish to extend our gratitude to those who commented on an earlier version of the manuscript or provided valuable information otherwise, especially P. Ashe (Dublin), G. W. Byers (Lawrence), C. Dufour (Neuchâtel), E. Erhan-Dincă (Bucarest), J. K. Gelhaus (Philadelphia), H. de Jong (Amsterdam), W. Krzemiński (Krakow), S. Podénas (Vilnius), E. N. Savchenko (Kiev), A. E. Stubbs (Peterborough), and G. Theischinger (Sydney).

References: ALEXANDER and BYERS, 1981 (introduction, keys to (sub)genera); BOERSMA, 1977 (Ctenophorinae); BRINDLE, 1960 (larvae, pupae); BRODO, 1987 (Prionocera); BYERS, 1961 (Dolichopeza); CHISWELL, 1956 (larvae); DUFOUR, 1986 (Switzerland); ERHAN and THEOWALD, 1961 (Roumania); FRANZ, 1989 (AUSTRIA); FROMMER, 1963 (morphology); GELHAUS, 1986 (larvae of *Tipula*); HOFSTVANG, 1986 (Norway); ISHIDA, 1955, 1956 (Japan); de JONG, 1987 (Canary Is); MANNHEIMS, 1951-1968 (in LINDNER, taxonomy); 1965 (Finland); MARTINOVSKÝ, 1987 (Czechoslovakia); NEUMANN, 1958 (morphology); OOSTERBROEK, 1978-1980 (*Nephrotoma*); OOSTERBROEK and THEOWALD, 1980 (index to Alexander); PRITCHARD, 1983 (biology); REES and FERRIS, 1939 (morphology); SAVCHENKO, 1961-1983 (Fauna USSR), 1979 (phylogeny); SIMOVA and VUKOVIĆ, 1981 (Yugoslavia); THEISCHINGER, 1977-1987 (*Lunatipula*); THEOWALD, 1957, 1967 (larvae, pupae), 1971 (Benelux), 1973-1980 (in LINDNER, taxonomy), 1977, 1981 (Macaronesia), 1984 (*Tipula*); THEOWALD and OOSTERBROEK, 1980-1987 (zoogeography); TJEDER, 1955 (Sweden).

Angarotipula SAVCHENKO, 1961

SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 347 (as subgenus of *Tipula* LINNAEUS, 1758).

Type-species: *Tipula tumidicornis* LUNDSTRÖM, 1907: Acta Soc. Fauna Flora fenn., 29(2): 23 (orig. des.).

altivolans (ALEXANDER, 1935): Philipp. J. Sci., 57: 133 (*Prionocera*). Type-locality: Tang-Gu (China).—Distr.: Asia: China (Sichuan-Tibet border).

laetipennis (ALEXANDER, 1935): Philipp. J. Sci., 57: 131 (*Prionocera*). Type-locality: Mupin, Sichuan (China).—Distr.: Asia: China (Sichuan); China (Yunnan).

rubzovi (SAVCHENKO, 1961): Fauna USSR, Dipt., 2(3), (N.S.), 79: 358 (*Tipula*). Type-locality: beach near Beloy, Irkutsk obl. (USSR).—Distr.: USSR: ES (south), FE (Amur obl., Primorskiy kray).

tumidicornis (LUNDSTRÖM, 1907): Acta Soc. Fauna Flora fenn., 29(2): 23 (*Tipula*, as "*tumidecornis*", changed to *tumidicornis* in l.c.: Berichtigungen). Type-localities: Utsjoki; Muonio; Uleåborg (Finland).—Distr.: Europe: Fennoscandia (north of 63°N); USSR: NET (north), WS (north), ES (north), FE (Magadan obl.); Asia: China (Heilongjiang).

Brithura EDWARDS, 1916

EDWARDS, 1916: Ann. Mag. nat. Hist., (8) 18: 262.

Type-species: *Brithura conifrons* EDWARDS, 1916: l.c.: 263 (orig. des.) [= *imperfecta* (BRUNETTI, 1913)].

argyrospila (ALEXANDER, 1935): Philipp. J. Sci., 57: 88 (*Tipula*). Type-locality: Fu-Lin, Sichuan (China).—Distr.: Asia: China (Sichuan).

fracticosta (ALEXANDER, 1935): Philipp. J. Sci., 57: 90 (*Tipula*). Type-locality: Lin-Ngai-Si, near Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).

[**fractistigma** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) 15: 392 (*Brithura*). Type-locality: Kou-ling, near Kiu-Kiang, Jiangxi (China).—Distr.: Asia: China (Jiangxi).]

imperfecta (BRUNETTI, 1913): Rec. Indian Mus., 9: 260 (*Tipula*). Type-locality: Darjeeling (India).—Distr.: Asia: China (Sichuan); Himalaya, Taiwan.

nymphica ALEXANDER, 1927: Proc. U.S. natn. Mus., 72(2): 1 (*Brithura*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

sancta ALEXANDER, 1929: Philipp. J. Sci., 40: 317 (*Brithura*). Type-locality: Ton Che ssu, temple in hills west of Beijing (China).—Distr.: Asia: China (Beijing).

Ctenophora MEIGEN, 1803

MEIGEN, 1803: Mag. Insektenk., 2: 263.

Type-species: *Tipula pectinicornis* LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 585 (des. LATREILLE, 1804: Nouv. dict. hist. nat., 24: 188).

Flabellifera MEIGEN, 1800: Nouve. class.: 13. Type-species: *Tipula atrata* LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 585 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 545). [Suppressed by I.C.Z.N., Bull. zool. Nom., 20: Opinion 678.]

Cnemoncosis ENDERLEIN, 1921: see below as subgenus.

Xiphuromorpha SAVCHENKO, 1973: see below as subgenus.

Subgenus **CNEMONCOSIS** ENDERLEIN, 1921

ENDERLEIN, 1921: Zool. Anz., 52: 219 (as genus).

Type-species: *Cnemoncosis hilgendorfi* ENDERLEIN, 1921: l.c.: 219 (mon.) [= *nohirae* MATSUMURA, 1916].

fastuosa LOEW, 1871: Beschr. europ. Dipt., 2: 25 (*Ctenophora*). Type-locality: near Varna (Bulgaria).—Distr.: Europe: BG, CS, D (south), PL, R, YU (Croatia); USSR: SET (north of Black Sea), SMA (south of Aral Sea), WS (Tuva), FE (Amur obl., Primorskiy kray); Asia: China (Zhejiang).

nigrobasalis ALEXANDER, 1936: Philipp. J. Sci., 60: 171 (*Ctenophora*, as subsp. of *yezoana* MATSUMURA). Type-locality: Jakovlevka, Spassk district, Primorskiy kray (USSR).

festiva MEIGEN, 1804: Klass. Beschr., 1: 88 (*Ctenophora*). Type-locality: not given ("aus der Sammlung des Herrn Baumhauers").—Distr.: Europe: A, AL, B, CH, CS, D, DDR, E (Zamora), F, GR (Kerkira), H, I (north), L, NL, PL (south), R, YU; USSR: SET, ?TC.

ishiharai ALEXANDER, 1953: Philipp. J. Sci., 82: 39 (*Ctenophora*). Type-locality: Mt. Ishizuchi, Shikoku (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).

magnifica LOEW, 1869: Beschr. europ. Dipt., 1: 12 (*Ctenophora*). Type-locality: Astrabad (Iran).—Distr.: USSR: TC (southeast); Asia: Iran (north).

nohirae MATSUMURA, 1916: Thousand Ins. Japan, Add. 2: 451 and 452 (*Ctenophora*). Type-locality: Kyoto, Honshu (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).

hilgendorfi (ENDERLEIN, 1921): Zool. Anz., 52: 219 (*Cnemoncosis*). Type-locality: Japan.

ornata MEIGEN, 1818: Syst. Beschr., 1: 166 (*Ctenophora*). Type-locality: not given ("Oesterreich. Kaiserl. Königl. Museum").—Distr.: Europe: widespread excl. DK, IRE, and Fennoscandia, GR incl. Andros and Kerkira; USSR: CET (Uk), SET (Uk); Asia: Turkey (İçel).

- septentrionalis** (ALEXANDER, 1921): *Insecutor* Inscit. menstr., 9: 182 (*Pselliophora*). Type-locality: Teshio, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido, Honshu, Kyushu).
- yezoana** MATSUMURA, 1906: Thousand Ins. Japan, 2: 124 (*Ctenophora*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu).
- uniplagiata** (ALEXANDER, 1925): Ann. ent. Soc. Am., 17: 442 (*Cnemoncosis*). Type-locality: Maruyama, near Sapporo, Ishikari-no-kuni (Japan).

Subgenus CTENOPHORA MEIGEN, 1803

- amabilis** TAKAHASHI, 1960: Mushi, 34: 110 (*Ctenophora*). Type-locality: Ashorobuto, Ashoro Gun, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- biguttata** MATSUMURA, 1916: Thousand Ins. Japan, Add. 2: 454 and 455 (*Ctenophora*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin); Asia: Japan (Hokkaido). [?Conspecific with *nikkoensis* TAKAHASHI, 1960 or *tricolor* LOEW, 1869.]
- elegans** MEIGEN, 1818: Syst. Besch., 1: 163 (*Ctenophora*). Type-locality: not given (?near Stolberg [DJ]).—Distr.: Europe: A, AL, B, CH, CS, D, DDR, E, F, GR (north, incl. Samos, Samothraki), H, I (north), L, NL, PL, R, YU (Croatia); USSR: SET (west).
- pilosa** PIERRE, 1924: Encycl. ent. (B II) Dipt., 1: 83 (*Ctenophora*). Type-localities: near Paris; Seine et Oise; Burès; Verrières; Janville (France).
- flaveolata** (FABRICIUS, 1794): Entom. syst., 4: 234 (*Tipula*). Type-locality: Germany.—Distr.: Europe and USSR between 66°N, 35°E, and 40°N (excl. AL and BG), in SET to 40°E.
- guttata** MEIGEN, 1818: Syst. Besch., 1: 165 (*Ctenophora*). Type-locality: not given ("Oesterreich. Kaiserl. Königl. Museum").—Distr.: Europe and USSR between 66°N, 60°E, and 44°N (F incl. Corsica; excl. GB and IRE), TC, WS (Altai, Tuva); Asia: Turkey, Mongolia.
- nigriceps** (TJEDER, 1949): Opusc. ent., 14: 110 (*Nephrotoma*). Type-locality: Vallbo, Jämtland (Sweden).—Distr.: Europe: S (Jämtland, Norbotten).
- claripennis** MANNHEIMS, 1967: Bonn. zool. Beitr., 18: 202 (*Ctenophora*, as subsp. of *miyamotoi*). Type-locality: west of Haparanda (Sweden).
- nigriceps miyamotoi** TAKAHASHI, 1960: Mushi, 34: 108 (*Ctenophora*, as species). Type-locality: Mt. Myoko, Niigata pref., Honshu (Japan).—Distr.: USSR: FE (Kamchatka, Primorskiy kray); Asia: Japan (Honshu).
- nikkoensis** TAKAHASHI, 1960: Mushi, 34: 107 (*Ctenophora*). Type-locality: Yumoto, Oku-Nikko, Tochigi pref., Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu). [See *biguttata*.]

- pectinicornis** (LINNAEUS, 1758): Syst. Nat., Ed. 10, 1: 585 (*Tipula*). Type-locality: Sweden.—Distr.: Europe and USSR between 66°N, 35°E, and 40°N (F incl. Corsica; YU: Croatia; excl. AL, BG and GR).
- nigrocrocea** (DE GEER, 1776): Mém. Ins., 6: 400 (*Tipula*). Type-locality: not given (?Sweden).
- splendor** (HARRIS, [1776]): Expos. Eng. Ins.: 56 (*Tipula*). Type-locality: not given (?Great Britain).
- perjocosa** ALEXANDER, 1940: Notes Ent. chin., 8: 2 (*Ctenophora*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang, Sichuan).
- tricolor** LOEW, 1869: Besch. europ. Dipt., 1: 10 (*Ctenophora*). Type-locality: north Russia, probably Siberia.—Distr.: USSR: ?CET (?Bryansk), ES (south), FE (south, incl. Sakhalin); Asia: Japan (Hokkaido), China (Hebei). [See *biguttata*.]
- femurrubra** ALEXANDER, 1936: Philipp. J. Sci., 60: 172 (*Ctenophora*). Type-locality: Manui [= Perevalnoye], Dolinskiy district, Sakhalin (USSR). [Synonymy not certain.]

Subgenus XIPHUROMORPHA SAVCHENKO, 1973

SAVCHENKO, 1973: Fauna USSR, Dipt., 2(5), (N.S.), 105: 248 (as subgenus of *Ctenophora* MEIGEN, 1803).

Type-species: *Ctenophora sibirica* PORTSCHINSKY, 1873: Horae Soc. ent. ross., 9: 287 (orig. des.).

sibirica PORTSCHINSKY, 1873: Horae Soc. ent. ross., 9: 287 (*Ctenophora*). Type-locality: near Irkutsk (USSR).—Distr.: Europe: CS; USSR: ES (Yakutsk ASSR, Irkutsk obl.), FE (Amur obl., Magadan obl.); Asia: Mongolia.

Dictenidia BRULLÉ, 1833

BRULLÉ, 1833: Annls Soc. ent. Fr., (1) 2: 401.

Type-species: *Tipula bimaculata* LINNAEUS, 1761: Fauna Sveciae, Ed. 2: 433 (orig. des.).

Ceroctena RONDANI, 1856: Dipt. Ital. Prodromus, 1: 186. Type-species: *Tipula bimaculata* LINNAEUS, 1761: Fauna Sveciae, Ed. 2: 433 (orig. des.).

Dicera LIOY, 1863: Atti R. Ist. veneto Sci., (3) 9: 216. Type-species: *Tipula bimaculata* LINNAEUS, 1761: Fauna Sveciae, Ed. 2: 433 (orig. des.).

bimaculata (LINNAEUS, 1761): Fauna Sveciae, Ed. 2: 433 (*Tipula*). Type-locality: Sweden.—Distr.: Europe: south of 70°N (F incl. Corsica); USSR: NET (southern half), CET, SET, TC, KZ, SMA (Ki), WS (southern half), ES, FE

- (Kamchatka, Sakhalin, Amur obl., Primorskiy kray); Asia: Turkey (northeast), Iran, Mongolia, "Korea", China (Hebei, Shandong, Sichuan, Zhejiang). [A junior synonym adopted in accordance with usage.]
- maculata* (LINNAEUS, 1758): Syst. Nat., Ed. 10, 1: 586 (*Tipula*). Type-locality: Europe. [A senior synonym of *bimaculata* LINNAEUS, 1761.]
- idriensis* (SCOPOLI, 1763): Entom. carniolica: 316 (*Tipula*). Type-locality: not given (?Yugoslavia).
- pectinata* (GMELIN, 1790): Syst. Nat., Ed. 13: 2819 (*Tipula*). Type-locality: Europe.
- paludosa* (FABRICIUS, 1794): Entom. syst., 4: 239 (*Tipula*). Type-locality: Italy. [Suppressed by I.C.Z.N., Bull. zool. Nom., 37: Opinion 1160.]
- bimaculata fulvida*** (BIGOT, 1861): Annls Soc. ent. Fr., (3) 8: 769 (*Xiphura*, as species). Type-locality: Monts Madonie, Sicily (Italy).—Distr.: Europe: I (Sicily); USSR: TC.
- glabrata*** ALEXANDER, 1938: Philipp. J. Sci., 66: 312 (*Dictenidia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- knutsoni*** YANG et YANG, 1989: Acta Agric. Univ. Pekinensis, 15: 71 and 73 (*Dictenidia*). Type-locality: Shennongjia Co., Hubei (China).—Distr.: Asia: China (Hubei).
- luteicostalis*** ALEXANDER, 1936: Philipp. J. Sci., 59: 228 (*Dictenidia*). Type-locality: between Chengdu and Mowchow, Sichuan (China).—Distr.: Asia: China (north of 30°N).
- miyatakei*** ALEXANDER, 1953: Philipp. J. Sci., 82: 42 (*Dictenidia*). Type-locality: Mt. Ishizuchi, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- partialis*** YANG et YANG, 1989: Acta Agric. Univ. Pekinensis, 15: 70 and 73 (*Dictenidia*). Type-locality: Shennongjia Co., Hubei (China).—Distr.: Asia: China (Hubei).
- pictipennis*** (PORTSCHINSKY, 1887): Horae Soc. ent. ross., 21: 3 (*Ctenophora*). Type-locality: Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: ES (Yakutsk ASSR, Baikal region), FE (Amur obl., Primorskiy kray); Asia: Japan (Hokkaido, Honshu), China (Hebei, Hubei), Mongolia.
- semifasciata* ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) 15: 392 (*Dictenidia*, as subsp. of *fasciata*). Type-locality: Nakakebo, Hitaka-no-kuni, Hokkaido (Japan).
- pictipennis fasciata*** COQUILLETT, 1898: Proc. U.S. natn. Mus., 21: 304 (*Dictenidia*, as species). Type-locality: Japan.—Distr.: USSR: FE (Sakhalin); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu), "Korea".
- pictipennis fuscicosta*** SAVCHENKO, 1973: Fauna USSR, Dipt., 2(5), (N.S.), 105: 197 (*Dictenidia*). Type-locality: Shikotan, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- fuscicosta* SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1966: Entomofauna Lesov, Moscow, 1966: 57 (*Dictenidia*). [Nomen nudum.]

sichuanensis YANG et YANG, 1989: Acta Agric. Univ. Pekinensis, **15**: 71 and 73 (*Dictenidia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

subpartialis YANG et YANG, 1989: Acta Agric. Univ. Pekinensis, **15**: 69 and 72 (*Dictenidia*). Type-locality: Shennongjia Co., Hubei (China).—Distr.: Asia: China (Hubei).

Dolichopeza CURTIS, 1825

CURTIS, 1825: Brit. Ent., **2**: 62.

Type-species: *Dolichopeza sylvicola* CURTIS, 1825: l.c.: 62 (orig. des.) [= *albipes* (STRÖM, 1768)].

Oropeza NEEDHAM, 1908: see below as subgenus.

Nesopeza ALEXANDER, 1914: see below as subgenus.

Sinoropeza ALEXANDER, 1935: see below as subgenus.

Subgenus **DOLICHOPEZA** CURTIS, 1825

albipes (STRÖM, 1768): K. Norske Vidensk. Selsk. Skrift, **4**: 351 (*Tipula*). Type-locality: Denmark.—Distr.: Europe: A, B, CH, CS, D, DDR, DK (incl. Faeroes), E, F, GB, H, IRE, L, N, NL, PL, R (Banat), S, SF; USSR: NET (west), CET (west), SET (west).

sylvicola CURTIS, 1825: Brit. Ent., **2**: 62 (*Dolichopeza*). Type-locality: neighbourhood of Lyndhurst, New Forest (Great Britain).

silvicola MEIGEN, 1830: Syst. Besch., **6**: 284 (*Dolichopeza*). Type-locality: near Hamburg [D].

opaca MIK, 1869: Verh. zool.-bot. Ges. Wien, **19**: 23 (*Dolichopeza*). Type-locality: Rosenhof near Freistadt (Austria).

fuscipes BERGROTH, 1889: Wien. ent. Ztg, **8**: 113 (*Dolichopeza*). Type-locality: Constantine (Algeria).—Distr.: Europe: E (Mallorca), F (Corsica), I (south, incl. Sardinia, Sicily), GR (incl. Crete, Kefallinia, Kithira, Samos, Samothraki, Zakynthos); North Africa: Algeria.

algira VAILLANT, 1953: Bull. Inst. r. Sci. nat. Belg., **29**(23): 3 (*Dolichopeza*). Type-locality: Rhouffi, Aurès Mts (Algeria).

helena MANNHEIMS, 1967: Limnofauna Europaea, Ed. 1: 317 (*Dolichopeza*). [Nomen nudum.]

saryi MARTINOVSKÝ in THEOWALD, 1978: Limnofauna Europaea, Ed 2: 364 (*Dolichopeza*). [Nomen nudum.]

graeca MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, **1**: 158 (*Dolichopeza*). Type-locality: near Kanalon monastery, Olympus (Greece).—Distr.: Europe: BG, GR (incl. Thasos), YU (Serbia); Asia: Turkey (northeast).

- hirsuticauda** SAVCHENKO, 1968: Ent. Obozr., **47**: 914 (*Dolichopeza*). Type-locality: Talysh (USSR: Az).—Distr.: USSR: SET, TC.
- hispanica** MANNHEIMS, 1951: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 22 (*Dolichopeza*). Type-locality: Granada (Spain).—Distr.: Europe: E, F (south); North Africa: Morocco (High Atlas).
- honshiuensis** ALEXANDER, 1938: Philipp. J. Sci., **66**: 462 (*Dolichopeza*). Type-locality: Mt. Komaga, Yamanashi pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- katoi** ALEXANDER, 1938: Philipp. J. Sci., **66**: 109 (*Dolichopeza*). Type-locality: Yamagawa, Iwate pref., Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu).
- katoi rufula** SAVCHENKO, 1979: Land arthropods of the Far East: 108 (*Dolichopeza*). Type-locality: Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).
- nitida** MIK, 1874: Verh. zool.-bot. Ges. Wien, **24**: 351 (*Dolichopeza*). Type-locality: Gorizia (Italy).—Distr.: Europe: A, CH, D, I (northeast), S (north), YU (north); USSR: NET (southwest), SET (west).
- schahriari** THEOWALD, 1978: Bull. zool. Mus. Univ. Amsterdam, **6**: 70 (*Dolichopeza*). Type-locality: Guilan, Assalem valley (Iran).—Distr.: Asia: Iran (north).

Subgenus NESOPEZA ALEXANDER, 1914

ALEXANDER, 1914: Can. Ent., **46**: 157 (as genus).

Type-species: *Dolichopeza gracilis* DE MEJERE, 1911: Tijdschr. Ent., **54**: 60 (orig. des.); not Palaearctic.

- albitibia** (ALEXANDER, 1922): Insecutor Inscit. menstr., **10**: 187 (*Nesopeza*). Type-locality: Mt. Ibuki, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu, Shikoku, Kyushu).
- circulans** ALEXANDER, 1953: Philipp. J. Sci., **82**: 143 (*Dolichopeza*). Type-locality: Omogokei, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- francki** ALEXANDER, 1932: Philipp. J. Sci., **49**: 105 (*Dolichopeza*). Type-locality: Kwanshien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- geniculata** (ALEXANDER, 1918): Ann. ent. Soc. Am., **11**: 448 (*Nesopeza*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: Japan (Hokkaido, Honshu, Kyushu), South Korea; Taiwan.
- imitator** SAVCHENKO, 1979: Land arthropods of the Far East: 114 (*Dolichopeza*). Type-locality: Kedrovaya Pad, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- incisuralis** ALEXANDER, 1940: Lingnan Sci. J., **19**: 128 (*Dolichopeza*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

- leucocnemis** ALEXANDER, 1940: Lingnan Sci. J., **19**: 126 (*Dolichopeza*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- subgeniculata** ALEXANDER, 1931: Philipp. J. Sci., **44**: 340 (*Dolichopeza*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- tarsalba** ALEXANDER, 1930: Philipp. J. Sci., **43**: 509 (*Dolichopeza*). Type-locality: Shirahone Hot Springs, Shinano, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu).
- tarsalis** (ALEXANDER, 1919): Ann. ent. Soc. Am., **12**: 347 (*Nesopeza*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu, Shikoku), ?China (?Zhejiang).
- idiophallus** (ALEXANDER, 1929): Philipp. J. Sci., **40**: 324 (*Nesopeza*). Type-locality: hills south of Ning-po, Zhejiang (China). [Synonymy not certain.]

Subgenus OROPEZA NEEDHAM, 1908

NEEDHAM, 1908: Bull. N.Y. St. Mus., **124**: 211 (as genus).

Type-species: *Tipula annulata* SAY, 1823: J. Acad. nat. Sci. Philad., **3**: 25 (orig. des.) [= *sayi* (JOHNSON, 1909)]; not Palearctic.

- barbigera** (SAVCHENKO, 1980): Tax. Ins. Far East: 109 (*Oropeza*). Type-locality: Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).
- bispinula** (ALEXANDER, 1929): Philipp. J. Sci., **40**: 325 (*Oropeza*). Type-locality: lake Ozenuma, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- candidipes** (ALEXANDER, 1921): Ann. ent. Soc. Am., **14**: 122 (*Oropeza*). Type-locality: Tamagawa, Saitama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- inomatai** ALEXANDER, 1933: Philipp. J. Sci., **51**: 370 (*Dolichopeza*). Type-locality: Mt. Kyusho, Hôki, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- modesta** (SAVCHENKO, 1980): Tax. Ins. Far East: 110 (*Oropeza*). Type-locality: Kedrovaya Pad, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- saitamensis** ALEXANDER, 1930: Philipp. J. Sci., **43**: 510 (*Dolichopeza*). Type-locality: Chichibu, Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Sakhalin); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- satsuma** (ALEXANDER, 1918): J. N.Y. ent. Soc., **26**: 67 (*Oropeza*). Type-locality: Kyoto, Honshu (Japan).—Distr.: USSR: FE (south, incl. Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Kyushu).
- shirakiella** (ALEXANDER, 1926): Philipp. J. Sci., **31**: 376 (*Oropeza*). Type-locality: Tamara (Taiwan).—Distr.: Asia: Japan (Shikoku); Taiwan.

Subgenus SINOROPEZA ALEXANDER, 1935

ALEXANDER, 1935: Philipp. J. Sci., **56**: 543 (as subgenus of *Dolichopeza* CURTIS, 1825).

Type-species: *Dolichopeza pluricoma* ALEXANDER, 1935: l.c.: 544 (orig. des.).

pluricoma ALEXANDER, 1935: Philipp. J. Sci., **56**: 544 (*Dolichopeza*). Type-locality: Beh-Luh-Din, 30 mi N Chengdu, Sichuan (China).—Distr.: USSR: FE (Primorskiy kray); Asia: China (Sichuan).

Holorusia LOEW, 1863

LOEW, 1863: Berl. ent. Z., **7**: 276.

Type-species: *Holorusia rubiginosa* LOEW, 1863: l.c.: 276 (mon.) [= *hespera* ARNAUD et BYERS, 1990]; not Palaearctic.

brobdignagia (WESTWOOD, 1876): Trans. R. ent. Soc. Lond., **1876**: 504 (*Tipula*). Type-locality: north China.—Distr.: Asia: China (north, central).

calliergon (ALEXANDER, 1940): Notes Ent. chin., **8**: 6 (*Ctenacroscelis*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

cressida (ALEXANDER, 1952): Rec. Indian Mus., **50**: 325 (*Ctenacroscelis*, as new name for *Tipula serricornis* BRUNETTI, 1912, a junior primary homonym of *Tipula serricornis* ZETTERSTEDT, 1838).—Distr.: Asia: Afghanistan; Pakistan, India, Nepal.

[*serricornis* (BRUNETTI, 1912): Fauna Brit. India, Dipt., **1**: 309 (*Tipula*). Type-locality: Naini Tal, W Himalayas (India) (the same by lectotype des. of JOSEPH, 1971).]

esakii (TAKAHASHI, 1960): Insecta matsum., **23**: 25 (*Ctenacroscelis*). Type-locality: Yakkachi, Amami (Japan).—Distr.: Asia: Japan (Amami).

flava (BRUNETTI, 1911): Rec. Indian Mus., **6**: 252 (*Tipula*). Type-locality: Sikkim (India).—Distr.: Asia: China (Sichuan); India, Burma, Malaya, Indonesia (Sumatra), "Borneo".

fulvipes (EDWARDS, 1921): Ann. Mag. nat. Hist., (9) **8**: 114 (*Ctenacroscelis*). Type-locality: Mts 50 mi NW Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).

herculeana (ALEXANDER, 1941): Philipp. J. Sci., **73**: 383 (*Ctenacroscelis*). Type-locality: Kuatun, Fujian (China).—Distr.: Asia: China (Sichuan); China (Fujian).

ignicaudata (ALEXANDER, 1935): Philipp. J. Sci., **58**: 213 (*Ctenacroscelis*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

- liberta** (ALEXANDER, 1935): Philipp. J. Sci., **58**: 215 (*Ctenacroscelis*). Type-locality: Wei Chow, 65 mi NW Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- mikado** (WESTWOOD, 1876): Trans. R. ent. Soc. Lond., **1876**: 504 (*Tipula*). Type-locality: Japan.—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu); Taiwan.
- nimba** (ALEXANDER, 1936): Philipp. J. Sci., **58**: 389 (*Ctenacroscelis*). Type-locality: Mupin, Sichuan (China).—Distr.: Asia: China (Sichuan).
- persessilis** (ALEXANDER, 1941): Philipp. J. Sci., **76**: 28 (*Ctenacroscelis*). Type-locality: Hai-tsi-pin, Sichuan (China).—Distr.: Asia: China (Sichuan).
- quadrifasciculata** (ALEXANDER, 1935): Philipp. J. Sci., **58**: 217 (*Ctenacroscelis*). Type-locality: Mupin, Sichuan (China).—Distr.: Asia: China (Sichuan).

Indotipula EDWARDS, 1931

EDWARDS, 1931: Ann. Mag. nat. Hist., (10) **8**: 81 (as subgenus of *Tipula* LINNAEUS, 1758).

Type-species: *Tipula walkeri* BRUNETTI, 1911: Rec. Indian Mus., **6**: 246 (orig. des.); not Palearctic.

- itoana** (ALEXANDER, 1955): Ann. ent. Soc. Am., **48**: 368 (*Tipula*). Type-locality: Mt. Yatsuga, Shinano, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu).
- mendax** (ALEXANDER, 1924): Ann. Mag. nat. Hist., (9) **14**: 466 (*Tipula*). Type-locality: Sapporo, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- quadrispicata** (ALEXANDER, 1933): Philipp. J. Sci., **51**: 383 (*Tipula*). Type-locality: Kaisogun, Kii, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- tetracantha** (ALEXANDER, 1928): Philipp. J. Sci., **35**: 457 (*Tipula*). Type-locality: Shikoku (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- yamata** (ALEXANDER, 1914): Can. Ent., **46**: 208 (*Tipula*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: South Korea, Japan (Hokkaido, Honshu, Shikoku).
- yamata subyamata** (ALEXANDER, 1933): Philipp. J. Sci., **52**: 136 (*Tipula*, as species). Type-locality: Chunking, Sichuan (China).—Distr.: Asia: China (Sichuan, Zhejiang).

Leptotarsus GUÉRIN-MÉNEVILLE, 1831

GUÉRIN-MÉNEVILLE in DUPERREY, 1831: Voyage corvette sa majesté La Coquille, Zool. Atlas: pl. 20, fig. 1 [1838: Voyage corvette sa majesté La Coquille, Zool., (2) **2**: 286].

Type-species: *Leptotarsus macquartii* GUÉRIN-MÉNEVILLE, 1831: l.c.: pl. 20, fig. 1 [1838: l.c.: 286] (mon.); not Palearctic.
Longurio LOEW, 1869: see below as subgenus.

Subgenus LONGURIO LOEW, 1869

LOEW, 1869: Berl. ent. Z., 13: 3 (as genus).

Type-species: *Longurio testaceus* LOEW, 1869: l.c.: 3 (mon.); not Palearctic.
Togotipula MATSUMURA, 1916: Thousand Ins. Japan, Add. 2: 465 (as genus). Type-species: *Togotipula pulverosa* MATSUMURA, 1916: l.c.: 464 and 465 (orig. des.).

fulvus (EDWARDS, 1916): Ann. Mag. nat. Hist., (8) 18: 262 (*Longurio*). Type-locality: North China.—Distr.: Asia: China; Taiwan.

pulverosus (MATSUMURA, 1916): Thousand Ins. Japan, Add. 2: 464 and 465 (*Togotipula*). Type-locality: Kyoto, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).

yanoi ALEXANDER, 1953: Philipp. J. Sci., 82: 38 (*Leptotarsus*). Type-locality: Omogokei, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

Macgregoromyia ALEXANDER, 1929

ALEXANDER, 1929: Philipp. J. Sci., 40: 251.

Type-species: *Macgregoromyia benguetensis* ALEXANDER, 1929: l.c.: 251 (mon.); not Palearctic.

babana ALEXANDER, 1969: Trans. Shikoku ent. Soc., 10: 33 (*Macgregoromyia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

brevicula ALEXANDER, 1933: Philipp. J. Sci., 51: 371 (*Macgregoromyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

celestia ALEXANDER, 1932: Philipp. J. Sci., 49: 378 (*Macgregoromyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

itoi ALEXANDER, 1955: Ann. ent. Soc. Am., 48: 365 (*Macgregoromyia*). Type-locality: Udonno, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).

shikokuana ALEXANDER, 1954: Philipp. J. Sci., 82: 264 (*Macgregoromyia*). Type-locality: Omogokei, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

syusiro ALEXANDER, 1955: Ann. ent. Soc. Am., 48: 365 (*Macgregoromyia*). Type-locality: Naidizin, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).

szechwanensis ALEXANDER, 1932: Philipp. J. Sci., 49: 377 (*Macgregoromyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

Nephrotoma MEIGEN, 1803

MEIGEN, 1803: Mag. Insektenk., 2: 262.

Type-species: *Tipula dorsalis* FABRICIUS, 1782: Species insect., 2: 403 (mon.).

Pales MEIGEN, 1800: Nouve. class.: 14. Type-species: *Tipula dorsalis* FABRICIUS, 1782: Species insect., 2: 403 (des. HENDEL, 1908: Verh. zool.-bot. Ges. Wien, 58: 46). [Suppressed by I.C.Z.N., Bull. zool. Nom., 20: Opinion 678.]

Pachyrhina MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 88 (as "*Pachyrina*"). Type-species: *Tipula crocata* LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 585 (des. WESTWOOD, 1840: Synopsis: 128).

Pachyrrhina: authors, unjustified emendation.

aculeata (LOEW, 1871): Besch. europ. Dipt., 2: 20 (*Pachyrhina*). Type-localities: Harz; Steiermark; Kärnten; Bairische Hochgebirge; Tatra (Leonh[ardt], ?Austria, by lectotype des. of MANNHEIMS, 1950).—Distr.: Europe: A, B, BG, CH, CS, D, E (Pyrenees), F, GB (Scotland), GR (north), H, I (north), L, N, NL, PL, R, S, SF (south), YU; USSR: NET (west), CET (Li), SET, TC, KZ (east), WS (south), ES (south), FE (south, incl. S Kamchatka, Sakhalin); Asia: Turkey (northeast), Mongolia, Japan (Honshu).

atricauda ALEXANDER, 1924: Philipp. J. Sci., 24: 599 (*Nephrotoma*, as subsp. of *aculeata*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).

alticrista ALEXANDER, 1941: Philipp. J. Sci., 76: 39 (*Nephrotoma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

alluaudi (PIERRE, 1921): Bull. Soc. Sci. nat. Maroc, 1: 150 (*Pachyrhina*). Type-locality: Tannaout, High Atlas (Morocco).—Distr.: North Africa: Morocco, Algeria, Tunisia, ?Libya (?Cyrenaica).

analis (SCHUMMEL, 1833): Beitr. Ent., Breslau, 3: 105 (*Tipula*). Type-locality: at Pilsnitz, near Wrocław (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E (north, Cadiz), F (incl. Corsica), GB, GR (north, incl. Samothraki), H, I (north), L, N (to 66°N), NL, PL, R, S (south), SF (south), YU; USSR: NET (southwest), CET (west), SET (west), TC, KZ (southeast), WS (southeast), FE (Amur obl.); Asia: Turkey, Iran (northwest).

angustistria ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) 15: 398 (*Nephrotoma*). Type-locality: Jozankei, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: USSR: WS (Tuva), FE (Primorskiy kray, Sakhalin); Asia: Japan (Hokkaido, Honshu).

antithrix (MANNHEIMS, 1962): Notul. ent., 42: 132 (*Pales*). Type-locality: Serre de Agua (Madeira).—Distr.: Madeira.

appendiculata (PIERRE, 1919): Bull. Mus. natn. Hist. nat. Paris, 25: 618 (*Pachyrhina*). Type-locality: Starova, Macedonia (Yugoslavia).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F, GB, GR (incl. Dilos, Kerkira, Mikonos), H, I (north, Sardinia), L, N (south), NL, PL, R, S (south), SF (south), TR, YU; USSR: NET (west), CET (west), SET, TC; Asia: Turkey, Iran.

- maculata* (MEIGEN, 1804): Klass. Beschr., 1: 71 (*Tipula*). Type-locality: not given. [A junior primary homonym of *Tipula maculata* LINNAEUS, 1758.]
- maculosa* (MEIGEN, 1818): Syst. Beschr., 1: 197 (*Tipula*). Type-locality: not given (?near Stolberg [D]). [A junior primary homonym of *Tipula maculosa* GMELIN, 1790.]
- appendiculata pertenua** OOSTERBROEK, 1978: Beaufortia, 27: 52 (*Nephrotoma*). Type-locality: Cattolica (Italy).—Distr.: Europe: CH (south), E, F (Mediterranean coastal area, Corsica), I (incl. Sicily), M, P; North Africa: Morocco, Tunisia.
- astigma** (PIERRE, 1925): Encycl. ent. (B II) Dipt., 2: 9 (*Pachyrhina*). Type-locality: Ain Draham (Tunisia) (Oued Medjerda près Souk-Ahras, Algeria, by neotype des. of OOSTERBROEK, 1978).—Distr.: North Africa: Algeria, Tunisia.
- atrostyla** ALEXANDER, 1935: Philipp. J. Sci., 58: 239 (*Nephrotoma*). Type-locality: Samnjur river, Primorskiy kray (USSR).—Distr.: USSR: FE (Amur obl., Primorskiy kray).
- aurantiocincta** ALEXANDER, 1941: Philipp. J. Sci., 73: 405 (*Nephrotoma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan); China (Yunnan).
- austriaca** (MANNHEIMS et THEOWALD, 1959): Memorie Soc. ent. ital., 38: 24 (*Pales*). Type-locality: not given (Enns-Auen near Schladming, Steiermark, Austria by holotype [= lectotype] des. of MANNHEIMS in MANNHEIMS and PECHLANER, 1963).—Distr.: Europe: Alps, Tatra, and Carpathians; USSR: SET (Uk).
- barbigera** (SAVCHENKO, 1964): Pratsi Inst. Zool. Akad. Nauk ukr. RSR, Kiev, 20: 186 (*Pales*). Type-locality: Kedrovaya Pad, Primorskiy kray (USSR).—Distr.: USSR: ES (Irkutsk obl.), FE (Primorskiy kray); Asia: China (Heilongjiang, Jilin, Gansu, Ningxia, Shanxi).
- beckeri** (MANNHEIMS, 1951): 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 41 (*Pales*). Type-locality: Taurus Cilic. (Turkey).—Distr.: Europe: CY; Asia: Turkey (south), Lebanon, Israel.
- biappendiculata** (SAVCHENKO, 1973): Fauna USSR, Dipt., 2(5), (N.S.), 105: 167 (*Pales*). Type-locality: Kangai Shkotovo, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- biarmigera** ALEXANDER, 1935: Philipp. J. Sci., 57: 198 (*Nephrotoma*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- biformis** ALEXANDER, 1935: Philipp. J. Sci., 57: 142 (*Nephrotoma*). Type-locality: O-Er, 26 mi N of Li-Fan, Sichuan (China).—Distr.: Asia: China (Sichuan).
- bifusca** ALEXANDER, 1920: Trans. Am. ent. Soc., 46: 25 (*Nephrotoma*). Type-locality: Kyoto, Honshu (Japan).—Distr.: USSR: FE (Khabarovskiy kray, Amur obl., Primorskiy kray); Asia: China (Hebei, Heilongjiang), North Korea, South Korea, Japan (Honshu, Shikoku).

- brevipennis** (WOLLASTON, 1858): Ann. Mag. nat. Hist., (3) 1: 115 (*Pachyrhina*).
Type-locality: Madeira (the same by lectotype des. of OOSTERBROEK, 1979).
—Distr.: Madeira.
- maderensis** (VAN DER WULP, 1885): Notes Leyden Mus., 7: 8 (*Pachyrhina*).
Type-locality: Madeira.
- catenata** ALEXANDER, 1935: Philipp. J. Sci., 58: 238 (*Nephrotoma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- [**catenata guizhouensis** YANG et YANG, 1988: Insect studies of Fanjing mountain, Special Vol., 1988: 111 and 114 (*Nephrotoma*). Type-locality: Fanjing mountain, Guizhou (China).—Distr.: Asia: China (Guizhou).]
- chosensis** ALEXANDER, 1935: Philipp. J. Sci., 58: 233 (*Nephrotoma*). Type-locality: Mt. Kongo (North Korea).—Distr.: Asia: North Korea.
- cirrata** TANGELDER, 1984: Beaufortia, 34: 61 (*Nephrotoma*). Type-locality: Ebeotsu, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- claviformis** YANG et YANG, 1987: Agric. Ins. Spiders Plant Dis. Weeds Xizang, 1: 129 and 133 (*Nephrotoma*). Type-locality: Nyingchi Co., Tibet (China).
—Distr.: Asia: China (Tibet).
- contrasta** ALEXANDER, 1920: Trans. Am. ent. Soc., 46: 23 (*Nephrotoma*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu).
- cornicina** (LINNAEUS, 1758): Syst. Nat., Ed. 10, 1: 586 (*Tipula*). Type-locality: Europe.—Distr.: Europe: widespread south of 66°N, excl. Sardinia, incl. Corsica, Sicily, M and CY, GR incl. Andros, Kerkira and Samos; USSR: NET (southwest), CET, SET, TC, KZ, WS (south), ES (southern half), FE (south, incl. Sakhalin, Kuril Is); Asia: Turkey, Iran (north), Lebanon, Israel, Afghanistan (north), China (as far south as Zhejiang), Mongolia, Japan (Hokkaido, Honshu, Shikoku, Kyushu); Pakistan (north), India (north); Nearctic Region (introduced).
- flavomaculata** (DE GEER, 1776): Mém. Ins., 6: 347 (*Tipula*). Type-locality: not given (?Sweden).
- iridicolor** (SCHUMMEL, 1833): Beitr. Ent., Breslau, 3: 101 (*Tipula*). Type-locality: near Wrocław (Poland).
- sannio** (MEIGEN, 1838): Syst. Besch., 7: 36 (*Tipula*). Type-locality: not given (?near Stolberg [D]).
- petiolata** (ZETTERSTEDT, [1838]): Insecta Lapp.: 846 (*Tipula*). Type-locality: Kengis (Sweden).
- nigrina** SAVCHENKO, 1973: Zbirn. Prats zool. Mus., Kiev, 35: 36 (*Nephrotoma*, as subsp. of *cornicina*). Type-locality: Orlovka, Dzavachet Mts (USSR: Ge).
- cornicina sardiniensis** OOSTERBROEK, 1978: Beaufortia, 27: 111 (*Nephrotoma*, as species). Type-locality: Gennargentu, above Aritzo, Sardinia (Italy).—Distr.: Europe: I (Sardinia).
- cretensis** OOSTERBROEK, 1982: Ent. Ber., Amst., 42: 41 (*Nephrotoma*). Type-locality: Kotsifiana, Crete (Greece).—Distr.: Europe: GR (Crete).

- crocata** (LINNAEUS, 1758): Syst. Nat., Ed. 10, 1: 585 (*Tipula*). Type-locality: Europe. —Distr.: Europe and USSR between 63°N, 130°E, 40°N (F incl. Corsica; I incl. Sicily; excl. BG, E and GR; not south of line Chita-Yakutsk).
- flavofasciata** (DE GEER, 1776): Mém. Ins., 6: 349 (*Tipula*). Type-locality: not given (?Sweden).
- perpulcher** (HARRIS, [1776]): Expos. Eng. Ins.: 159 (*Tipula*). Type-locality: not given (Great Britain).
- hartigi** (MANNHEIMS, 1951): 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 49 (*Pales*). Type-locality: Plaja Pineta, Catania, Sicily (Italy).
- crocata luteata** (MEIGEN, 1818): Syst. Besch., 1: 193 (*Tipula*, as species). Type-locality: Portugal. —Distr.: Europe: E, F (southwest), P; North Africa: Morocco, Algeria.
- castellana** (STROBL, 1906): Mém. R. Soc. esp. Hist. nat., 3: 406 (*Pachyrhina*). Type-localities: Santiago; Sierra de Guadarrama (Spain) (lectotype [= holotype of MANNHEIMS, 1951] probably from Santiago).
- zonata** (PIERRE, 1919): Bull. Soc. ent. Fr., 1919: 285 (*Pachyrhina*). Type-locality: Biscarosse, Landes (France).
- croceiventris** (STROBL in CZERNY and STROBL, 1909): Verh. zool.-bot. Ges. Wien, 59: 134 (*Pachyrhina*, as var. of *castellana* STROBL). Type-locality: prov. of Madrid (Spain). —Distr.: Europe: E, F (Porta).
- croceiventris lindneri** (MANNHEIMS, 1951): 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 53 (*Pales*, as species). Type-locality: Uexküll, at Schwanen See (USSR: La). —Distr.: Europe: A, AL, B, BG, CH, CS, D, ?DDR, F, GR (incl. Kos), H, I (north), L, NL, PL, R, S (south), YU; USSR: NET (southwest), CET (west), SET (west), TC; Asia: Turkey.
- salicina** (BOUCHÉ, 1834): Naturgesch. Ins.: 34 (*Tipula*). Type-locality: not given. [A junior primary homonym of *Tipula salicina* SCHRANK, 1781.]
- daisensis** ALEXANDER, 1935: Philipp. J. Sci., 58: 236 (*Nephrotoma*). Type-locality: Mt. Daisen, Hôki, Honshu (Japan). —Distr.: USSR: FE (Primorskiy kray); Asia: South Korea, Japan (Honshu, Shikoku).
- didyma** YANG et YANG, 1987: Agric. Ins. Spiders Plant Dis. Weeds Xizang, 1: 131 and 133 (*Nephrotoma*). Type-locality: Mainling Co., Tibet (China). —Distr.: Asia: China (Tibet).
- difficilis** TANGELDER, 1984: Beaufortia, 34: 53 (*Nephrotoma*). Type-locality: Chonsani, Paiktusan (North Korea). —Distr.: USSR: ES (southern half), FE (Primorskiy kray, Sakhalin); Asia: North Korea, Japan (Hokkaido).
- distans** EDWARDS, 1928: Ann. Mag. nat. Hist., (10) 1: 700 (*Nephrotoma*). Type-locality: Rongshar valley, Tibet (China). —Distr.: Asia: China (Tibet).
- dorsalis** (FABRICIUS, 1782): Species insect., 2: 403 (*Tipula*). Type-localities: Germany; Italy. —Distr.: Europe: widespread excl. AL, GR and north Fennoscandia, incl. E (north) and I (north); USSR: NET, CET, SET (west), ES (south), FE (south, incl. Kamchatka).

- drakanae** ALEXANDER, 1934: Arkiv Zool., 27(A)(17): 14 (*Nephrotoma*). Type-locality: Drakana, Gansu (China).—Distr.: Asia: China (Gansu).
- electripennis** ALEXANDER, 1953: Philipp. J. Sci., 82: 146 (*Nephrotoma*). Type-locality: Mt. Tsurugi, Nagoro, Awa, Shikoku (Japan).—Distr.: Asia: Japan (Kyushu, Shikoku).
- erebus** ALEXANDER, 1921: Bull. Mus. natn. Hist. nat. Paris, (1) 27: 541 (*Nephrotoma*). Type-locality: Orkhon valley (Mongolia).—Distr.: USSR: WS (Altai, Tuva), ES (southern half), FE (Amur obl., Primorskiy kray, Sakhalin); Asia: Mongolia.
- esakii** ALEXANDER, 1924: Philipp. J. Sci., 24: 596 (*Nephrotoma*). Type-locality: Kamiotoineppu, Hokkaido (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- euchroma** (MIK, 1874): Verh. zool.-bot. Ges. Wien, 24: 353 (*Pachyrhina*, as new name for *Pachyrhina aurantiaca* MIK, 1866, a junior primary homonym of *Pachyrhina aurantiaca* MACQUART, 1838).—Distr.: Europe: CH (south), F (southeast), I (incl. Sicily), YU (Slovenia).
- aurantiaca* (MIK, 1866): Verh. zool.-bot. Ges. Wien, 16: 304 (*Pachyrhina*). Type-locality: Gorizia (Italy) (the same by lectotype des. of OOSTERBROEK, 1979).
- chromicolor* (PIERRE, 1919): Bull. Soc. ent. Fr., 1919: 284 (*Pachyrhina*). Type-locality: Rochecardon near Lyon (France).
- eugeniae** (SAVCHENKO, 1957): Ent. Obozr., 36: 216 (*Pales*). Type-locality: Kislovodsk, Stavropolskiy kray (USSR).—Distr.: USSR: SET (southeast), TC.
- evittata** ALEXANDER, 1935: Philipp. J. Sci., 57: 200 (*Nephrotoma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan); China (Yunnan).
- exastigma** OOSTERBROEK, 1978: Beaufortia, 27: 84 (*Nephrotoma*). Type-locality: Souk el Arba (Tunisia).—Distr.: North Africa: Algeria, Tunisia.
- flammeola** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) 15: 400 (*Nephrotoma*). Type-locality: Gifu, Mino-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: South Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- flavescens** (LINNAEUS, 1758): Syst. Nat., Ed. 10, 1: 586 (*Tipula*). Type-locality: Europe.—Distr.: Europe and USSR between 63°N, 32°E, 42°N, and E, I (north), P, one record from Greenland (1898).
- lineata* (SCOPOLI, 1763): Entom. carniolica: 320 (*Tipula*). Type-locality: Idriam (?Yugoslavia).
- histrion* (FABRICIUS, 1794): Entom. syst., 4: 237 (*Tipula*). Type-locality: Denmark.
- flavipalpis** (MEIGEN, 1830): Syst. Besch., 6: 290 (*Tipula*). Type-locality: near Stolberg [D].—Distr.: Europe: A, AL, B, CH, D, DK, E, F (incl. Corsica), GB, GR (Parga and Zakynthos), I (incl. Sardinia, Sicily), IRE, L, NL, P, R, S (south), YU (coastal); USSR: CET (Li); North Africa: Algeria, Tunisia.

- verticalis* (BECKER, 1907): Z. syst. Hymenopt. Dipterol., 7: 240 (*Pachyrhina*). Type-locality: Algeria.
- flavirostris* (STROBL in CZERNY and STROBL, 1909): Verh. zool.-bot. Ges. Wien, 59: 134 (*Pachyrhina*, as var. of *scalaris* MEIGEN). Type-locality: prov. of Orense, Galicia (Spain).
- crinicauda* (RIEDEL, 1910): Dt. ent. Z., 1910: 428 (*Pachyrhina*). Type-localities: Austria; Pisa, Toscana; Corsica; Sicily; Elos, Crete (Kalksburg near Vienna, Austria, by lectotype des. of MARTINOVSKÝ, 1979).
- bichroma* (PIERRE, 1924): Encycl. ent. (B II) Dipt., 1: 12 (*Pachyrhina*). Type-locality: near Annaba (Algeria).
- flavonota* (ALEXANDER, 1914): Can. Ent., 46: 158 (*Pachyrhina*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu), China (Zhejiang); China (Fujian).
- fontana* OOSTERBROEK, 1978: Beaufortia, 27: 97 (*Nephrotoma*). Type-locality: Ain Mimoun, Aurès Mts (Algeria).—Distr.: North Africa: Algeria, Tunisia.
- forcipata* (PIERRE, 1919): Bull. Soc. ent. Fr., 1918: 230 (*Pachyrhina*). Type-locality: Vallée du Garron, at Brignais, near Lyon (France).—Distr.: Europe: E, F (south).
- fuscescens* (RIEDEL, 1910): Dt. ent. Z., 1910: 422 (*Pachyrhina*). Type-locality: Jankovsky peninsula, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu, Shikoku, Kyushu).
- ryoensis* ALEXANDER, 1954: Philipp. J. Sci., 82: 266 (*Nephrotoma*). Type-locality: Saragamine, Iyo, Shikoku (Japan).
- akitae* ALEXANDER, 1955: Ann. ent. Soc. Am., 48: 366 (*Nephrotoma*). Type-locality: Yuze, Akita pref., Honshu (Japan).
- gaganboi* TANGELDER, 1984: Beaufortia, 34: 63 (*Nephrotoma*). Type-locality: Kanayama, Yamanashi pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- geminata* ALEXANDER, 1920: Trans. Am. ent. Soc., 46: 24 (*Nephrotoma*). Type-locality: Ichikawa, Chiba pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- geniculata* YANG et YANG, 1987: J. Huazhong Agric. Univ., 6: 131 (137) (*Nephrotoma*). Type-locality: Shennongjia Co., Hubei (China).—Distr.: Asia: China (Hubei); China (Guizhou).
- guestfalica* (WESTHOFF, 1879): Jber. westf. ProvVer. Wiss. Kunst, 8: 51 (*Pachyrhina*). Type-locality: Westfalen [D].—Distr.: Europe: south of 57°N (E incl. Mallorca; F incl. Corsica; GR incl. Kerkira; I incl. Sicily; excl. AL, IRE and R); USSR: CET (west), SET (west); Asia: Turkey (Izmir).
- escorialensis* (STROBL, 1909): Verh. zool.-bot. Ges. Wien, 59: 134 (*Pachyrhina*, as var. of *analisis* SCHUMMEL). Type-locality: Escorial (Spain).
- guestfalica hartigiana* OOSTERBROEK, 1982: Ent. Ber., Amst., 42: 42 (*Nephrotoma*). Type-locality: Alai R., Mannu, Sardinia (Italy).—Distr.: Europe: I (Sardinia).

- guestfalica surcoufi** (PIERRE, 1925): *Encycl. ent.* (B II) Dipt., 2: 9 (*Pachyrhina*, as species). Type-locality: Rouïba (Algeria).—Distr.: North Africa: Morocco, Algeria, Tunisia.
- helvetica** (MANNHEIMS et THEOWALD, 1959): *Memorie Soc. ent. ital.*, 38: 24 (*Pales*). Type-locality: not given (Pfynwald, Siders, Sierre, Wallis, Switzerland by holotype [= lectotype] des. of MANNHEIMS in MANNHEIMS and PECH-LANER, 1963).—Distr.: Europe: CH (south).
- hirsuticauda** ALEXANDER, 1924: *Philipp. J. Sci.*, 24: 597 (*Nephrotoma*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: USSR: ES (southern half), FE (Amur obl., Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea, Japan (Hokkaido, Honshu), Mongolia (north), China (Heilongjiang).
- hubeiensis** YANG et YANG, 1987: *J. Huazhong Agric. Univ.*, 6: 130 and 137 (*Nephrotoma*). Type-locality: Wuhan, Hubei (China).—Distr.: Asia: China (Hubei).
- impigra** ALEXANDER, 1935: *Philipp. J. Sci.*, 57: 137 (*Nephrotoma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan, Hubei); China (Jiangxi, Fujian).
- [impigra fulvovittata]** (SAVCHENKO, 1964): *Ent. Obozr.*, 43: 892 (*Pales*). Type-locality: Chin-p'ing, Yunnan (China).—Distr.: Asia: China (Yunnan).]
- inorata** ALEXANDER, 1951: *Ann. Mag. nat. Hist.*, (12) 4: 1096 (*Nephrotoma*). Type-locality: Eong Tö valley, Tibet (China).—Distr.: Asia: China (Tibet).
- kaulbacki** ALEXANDER, 1951: *Ann. Mag. nat. Hist.*, (12) 4: 1094 (*Nephrotoma*). Type-locality: Kyari Dzong, Poshö, Tibet (China).—Distr.: Asia: China (Tibet).
- koreana** TANGELDER, 1984: *Beaufortia*, 34: 57 (*Nephrotoma*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea, China (Heilongjiang).
- lamellata** (RIEDEL, 1910): *Dt. ent. Z.*, 1910: 426 (*Pachyrhina*). Type-locality: Karlov Vary (Czechoslovakia).—Distr.: Europe: CH, CS, D, F, L, NL, YU; USSR: CET (west), KZ (Yuzhnyi Altai), WS (Altai, Tuva, Khavkass), ES (south), FE (Amur obl.).
- lamellata sublamellata** ALEXANDER, 1935: *Philipp. J. Sci.*, 58: 231 (*Nephrotoma*, as species). Type-locality: Shimizu [= Tchistovidnoye], Holmsk district, Sakhalin (USSR).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is).
- laticrista** SAVCHENKO, 1966: *Bonn. zool. Beitr.*, 17: 262 (*Nephrotoma*). Type-locality: Gultcha river below the Acbasag, Alaya Mts (USSR: Ki).—Distr.: USSR: SMA (Ki).
- leeuweni** OOSTERBROEK, 1985: *Tijdschr. Ent.*, 127: 254 (*Nephrotoma*). Type-locality: Nagano, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- lempkei** OOSTERBROEK, 1978: *Beaufortia*, 27: 42 (*Nephrotoma*). Type-locality: Soller, Mallorca (Spain).—Distr.: Europe: E (Balearics).
- libra** ALEXANDER, 1951: *Ann. Mag. nat. Hist.*, (12) 4: 1092 (*Nephrotoma*). Type-locality: Gyantse (Chiang-tzu), Tibet (China).—Distr.: Asia: China (Tibet).

- ligulata** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) 15: 402 (*Nephrotoma*).
Type-locality: Selenga valey, 50 verstes NE Bandre Koure (Mongolia).—Distr.: USSR: SMA; Asia: Afghanistan, Mongolia, China (Xinjiang); India (north).
pygmaea (DODONOV, 1926): Ent. Mitt., 15: 106 (*Pachyrhina*). Type-locality: Alai, Turkestan (USSR).
- lucida** (SCHINER, 1868): Reise Novara, Zool., Dipt.: 34 (*Pachyrhina*). Type-locality: Madeira.—Distr.: Madeira.
- lundbecki** (NIELSEN, 1907): Meddr Grønland, 29: 390 (*Pachyrhina*). Type-locality: East Greenland (Hekla Havn, E Greenland, by lectotype des. of MANNHEIMS, 1962).—Distr.: circumpolar, in Siberia widespread east of line Kola to lake Balkash; in N as far south as Dovrefjell; Asia: Mongolia; Nearctic Region.
- orbitalis* (RIEDEL, 1919): Zap. ross. Akad. Nauk, (8) 28(8): 9 (*Pachyrhina*). Type-localities: Karskaya Tundra, Obdorskaya Tundra (USSR).
- stigmatica* NIELSEN, 1929: Notul. ent., 9: 50 (*Nephrotoma*). Type-locality: Dudinka, Krasnoyarskiy kray (USSR).
- bifascigera* ALEXANDER, 1935: Philipp. J. Sci., 58: 229 (*Nephrotoma*). Type-locality: Beitonovo, Amur river (USSR).
- lunulicornis** (SCHUMMEL, 1833): Beitr. Ent., Breslau, 3: 107 (*Tipula*). Type-locality: near Wrocław (Poland).—Distr.: Europe: widespread excl. AL, GR and IRE, incl. E (north), N (south) and S (south); USSR: NET (west), CET (west), SET (west), WS (south), ES (south).
- picta* (MEIGEN, 1838): Syst. Besch., 7: 35 (*Tipula*). Type-locality: not given (?near Stolberg [DJ]).
- malickyi** MARTINOVSKÝ, 1979: Acta ent. bohemoslov., 76: 122 (*Nephrotoma*). Type-locality: Kakopetros, Crete (Greece).—Distr.: Europe: GR (Crete).
- martynovi** ALEXANDER, 1935: Phillip. J. Sci., 58: 234 (*Nephrotoma*). Type-locality: Silinche station, East Chinese railway, Manchoukuo, Heilongjiang (China).—Distr.: USSR: WS (Tuva), ES, FE (south of 60°N, incl. Sakhalin, excl. Kamchatka); Asia: Mongolia, China (Heilongjiang).
- medioflava** OOSTERBROEK, 1985: Tijdschr. Ent., 127: 267 (*Nephrotoma*). Type-locality: Shuri, Okinawa (Japan).—Distr.: Asia: Japan (Okinawa).
- medioproducta** ALEXANDER, 1940: Lingnan Sci. J., 19: 125 (*Nephrotoma*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- microcera** ALEXANDER, 1921: Ann. ent. Soc. Am., 14: 133 (*Nephrotoma*). Type-locality: Komaba, Tokyo, Honshu (Japan).—Distr.: Asia: South Korea, Japan (Hokkaido, Honshu).
- minuscula** (MANNHEIMS, 1951): 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 40 (*Pales*). Type-locality: Scopusberg, Jerusalem.—Distr.: Europe: CY; Asia: Turkey (Hatay), Syria (coastal), Lebanon, Israel.
- minuticornis** ALEXANDER, 1921: Ann. ent. Soc. Am., 14: 134 (*Nephrotoma*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).

- moravica** MARTINOVSKÝ, 1971: Acta ent. bohemoslov., **68**: 45 (*Nephrotoma*). Type-locality: Brno-Jiráskuv les, Moravia (Czechoslovakia).—Distr.: Europe: CS, H.
- nasuta** OOSTERBROEK, 1975: Bull. zool. Mus. Univ. Amsterdam, **4**: 121 (*Nephrotoma*). Type-locality: Van lake, E of Tatvan (Turkey).—Distr.: Asia: Turkey.
- neopratis** ALEXANDER, 1921: Ann. ent. Soc. Am., **14**: 132 (*Nephrotoma*). Type-locality: Sapporo, Maruyama, Hokkaido (Japan).—Distr.: Asia: North Korea, South Korea, Japan (Hokkaido, Honshu, Shikoku).
- nigricauda** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 397 (*Nephrotoma*). Type-locality: Sapporo, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido, Honshu).
- nigrohalterata** EDWARDS, 1928: Ann. Mag. nat. Hist., (10) **1**: 700 (*Nephrotoma*). Type-locality: Phari, Tibet (China).—Distr.: Asia: China (Tibet, Sichuan).
- attenuata** ALEXANDER, 1935: Philipp. J. Sci., **57**: 135 (*Nephrotoma*). Type-locality: near Yien-Long-Shien, Sichuan-Tibet border (China).
- nigrostylata** ALEXANDER, 1935: Philipp. J. Sci., **57**: 204 (*Nephrotoma*). Type-locality: Chungking, Sichuan (China).—Distr.: Asia: China (Sichuan, Zhejiang, Hubei); China (Fujian).
- nox** (RIEDEL, 1910): Dt. ent. Z., **1910**: 420 (*Pachyrhina*). Type-locality: Kappadocia (Turkey).—Distr.: USSR: TC (south); Asia: Turkey (east of 32° E), Iran (northwest).
- kozhevnikovi** (DODONOV, 1925): Konowia, **4**: 108 (*Pachyrhina*). Type-locality: Elburz Mts (Iran).
- occipitalis** (LOEW, 1864): Berl. ent. Z., **8**: 65 (*Pachyrhina*). Type-locality: Hudsons Bay Territory (Canada).—Distr.: USSR: ES (southwest), FE (Kamchatka); Nearctic Region.
- omeiana** ALEXANDER, 1935: Philipp. J. Sci., **57**: 144 (*Nephrotoma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan); China (south), Taiwan.
- ozenumensis** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 399 (*Nephrotoma*). Type-locality: lake Ozenuma, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu).
- pallida** OOSTERBROEK, 1985: Tijdschr. Ent., **127**: 261 (*Nephrotoma*). Type-locality: Miyazaki, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- palloris** (COQUILLET, 1898): Proc. U.S. natn. Mus., **21**: 306 (*Pachyrhina*). Type-locality: Japan. —Distr.: USSR: FE (Moneron, Kuril Is); Asia: Japan (Hokkaido, Honshu).
- autumnalis** (SAVCHENKO, 1973): Fauna USSR, Dipt., **2**(5), (N.S.), 105: 106 (*Pales*). Type-localities: Moneron; Shikotan (USSR) (the first by lectotype des. of SAVCHENKO and KANDYBINA, 1987).
- pamirensis** (ENDERLEIN, 1933): Dt. ent. Z., **1933**: 146 (*Pachyrhina*). Type-locality: Muskol, north Pamir (USSR) (the same by lectotype des. of TANGELDER, 1984).—Distr.: USSR: KZ (southeast), SMA (eastern half).

- [*parva* EDWARDS, 1916: Ann. Mag. nat. Hist., (8) 18: 516 (*Nephrotoma*). Type-locality: Arisan (Taiwan).—Distr.: Asia: China (Guangxi, Guangdong), Taiwan.]
- parvirostra** ALEXANDER, 1924: Philipp. J. Sci., 24: 600 (*Nephrotoma*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: USSR: FE (south, incl. Sakhalin, Kuril Is); Asia: Mongolia, North Korea, South Korea, Japan (Hokkaido, Honshu, Kyushu), China (Hubei, Heilongjiang, Sichuan).
- immemorata* ALEXANDER, 1935: Philipp. J. Sci., 57: 139 (*Nephrotoma*). Type-locality: Mt. Omei, Sichuan (China).
- serristyla* ALEXANDER, 1935: Philipp. J. Sci., 58: 226 (*Nephrotoma*). Type-locality: Chungking, Sichuan (China).
- perobliqua** ALEXANDER, 1934: Arkiv Zool., 27(A)(17): 16 (*Nephrotoma*). Type-locality: Kung-tze-tagga, Tsaluk valley, Gansu (China).—Distr.: Asia: China (Gansu).
- pilata** ALEXANDER, 1935: Philipp. J. Sci., 57: 138 (*Nephrotoma*). Type-locality: Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pilicauda** (SAVCHENKO, 1973): Fauna USSR, Dipt., 2(5), (N.S.), 105: 169 (*Pales*). Type-locality: Borisovka, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- pjotri** TANGELDER, 1984: Beaufortia, 34: 26 (*Nephrotoma*). Type-locality: Kazatsche, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Uz, Ki).
- pleuromaculata** ALEXANDER, 1927: Rec. Indian Mus., 29: 182 (*Nephrotoma*). Type-locality: near Siliguri, Mahananda river (India).—Distr.: Asia: China (Hubei, Sichuan); China (Yunnan), India (W Bengal).
- pratensis** (LINNAEUS, 1758): Syst. Nat., Ed. 10, 1: 586 (*Tipula*). Type-locality: Europe.—Distr.: Europe and USSR between 62°N, 46°E, 42°N (?N; GR: north; I: south; excl. AL, BG, E, GB, IRE and P); Asia: Turkey (Trabzon).
- pratensis eepi** OOSTERBROEK, 1979: Beaufortia, 28: 94 (*Nephrotoma*). Type-locality: between Navarredonda de la Sierra and Picos de Almanzor, Sierra de Gredos (Spain).—Distr.: Europe: E.
- profunda** ALEXANDER, 1935: Philipp. J. Sci., 58: 228 (*Nephrotoma*). Type-locality: Chengdu, Sichuan (China).—Distr.: Asia: China (Hubei, Sichuan).
- pullata** (ALEXANDER, 1914): Can. Ent., 26: 160 (*Pachyrhina*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Amur obl., Primorskiy kray); Asia: North Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu), China (Heilongjiang).
- hokkaidensis* ALEXANDER, 1925: Ann. ent. Soc. Am., 17: 446 (*Nephrotoma*). Type-locality: Yoichi, Shiribeshi-no-kuni, Hokkaido (Japan).
- mannheimsi* SAVCHENKO, 1966: Bonn. zool. Beitr., 17: 260 (*Nephrotoma*). Type-locality: Mao-er-shan, Heilongjiang (China).
- qinghaiensis** YANG et YANG, 1987: Acta Agric. Univ. Pekinensis, 13: 243 (*Nephrotoma*). Type-locality: Huangyuan Co., Qinghai (China).—Distr.: Asia: China (Qinghai).

- quadrifaria** (MEIGEN, 1804): Klass. Beschr., 1: 72 (*Tipula*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, E (north), F (incl. Corsica), GB, GR, H, I, IRE, L, N (south), NL, PL, R, S (south), TR, YU; USSR: CET (Est, Li), SET (south), TC.
- dentata* (MEIGEN, 1838): Syst. Beschr., 7: 35 (*Tipula*). Type-locality: not given (?near Stolberg [D]).
- fascipennis* (ZETTERSTEDT, 1851): Dipt. scand., 10: 3993 (*Pachyrhina*). Type-localities: Lund; Rohne (Sweden).
- quadrifaria farsidica** (SAVCHENKO, 1957): Ent. Obozr., 36: 218 (*Pales*). Type-locality: Astrabad (Iran) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: Asia: Iran (north).
- quadrinacrea** ALEXANDER, 1949: Ann. Mag. nat. Hist., (12) 2: 516 (*Nephrotoma*). Type-locality: Mt. Kau-lin, Lien-P'ing district, Guangdong (China).—Distr.: Asia: China (Hubei); China (Guangdong).
- quadristriata** (SCHUMMEL, 1833): Beitr. Ent., Breslau, 3: 109 (*Tipula*). Type-locality: near Wrocław (Poland).—Distr.: Europe: widespread excl. BG, GR, IRE, N, and north of S and SF, incl. E (north), I (north) and GB (southern half); USSR: NET (southwest), CET (west), SET (west), KZ (east), WS (southeast), ES (except north); Asia: Mongolia, China (Xinjiang).
- schummelii* (RIEDEL, 1910): Dt. ent. Z., 1910: 424 (*Pachyrhina*). Type-localities: Süd-Steiermark (Austria); Franzenshöhe below Ortlermassiv, Stelvio (Italy) (the latter by lectotype des. of MANNHEIMS, 1951).
- duchazaudi* ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) 15: 405 (*Nephrotoma*). Type-locality: Tarim banks (Mongolia).
- ramulifera** TJEDER, 1955: Opusc. ent., 20: 226 (*Nephrotoma*). Type-locality: Jebren-jokk, Torne Lappmark (Sweden).—Distr.: Europe: S (north); USSR: WS (Altai, Tuva), FE (Amur obl., Magadan obl.); Nearctic Region.
- rectispina** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) 15: 406 (*Nephrotoma*). Type-locality: Anshonfu, Gan Chouen Fou, Guizhou (China).—Distr.: Asia: China (Hubei); China (Guizhou).
- relicta** (SAVCHENKO, 1973): Fauna USSR, Dipt., 2(5), (N.S.), 105: 118 (*Pales*, as subsp. of *parvirostra* ALEXANDER). Type-localities: Gatchina, Leningrad obl.; E Sayan, near Irkutsk, Krasnoyarskiy kray (USSR) (the first by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: NET (southwest), ES (southwest); Asia: North Korea, South Korea, Mongolia, China (Heilongjiang, Hubei, Sichuan).
- repanda** (ALEXANDER, 1914): Can. Ent., 46: 162 (*Pachyrhina*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: North Korea, South Korea, Japan (Hokkaido, Honshu, Kyushu), China (Sichuan).
- grahamiana* ALEXANDER, 1941: Philipp. J. Sci., 73: 403 (*Nephrotoma*). Type-locality: Mt. Omei, Sichuan (China).

- retenta** ALEXANDER, 1935: Philipp. J. Sci., **57**: 133 (*Nephrotoma*). Type-locality: Yien-Long-Shien (China).—Distr.: Asia: China (Sichuan-Tibet border).
- rossica** (RIEDEL, 1910): Dt. ent. Z., **1910**: 419 (*Pachyrhina*). Type-locality: Russia. —Distr.: USSR: NET (south), CET (except west), WS (southern half), ES (southern half).
- rubriventris** (SAVCHENKO, 1957): Ent. Obozr., **36**: 219 (*Pales*). Type-locality: Yakutsk ASSR (USSR) (Verkhoyansk, Yakutsk ASSR, USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: WS (Altai, Tuva), ES (Yakutsk ASSR); Asia: Mongolia.
- saccai** (MANNHEIMS, 1951): 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 57 (*Pales*). Type-locality: not given (?Roma, Italy).—Distr.: Europe: I (south incl. Sicily).
- sachalina** ALEXANDER, 1924: Philipp. J. Sci., **24**: 597 (*Nephrotoma*, as subsp. of *dorsalis* FABRICIUS). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (south, incl. Sakhalin, Kuril Is); Asia: Japan (Hokkaido).
- saghaliensis** ALEXANDER, 1925: Ann. ent. Soc. Am., **17**: 447 (*Nephrotoma*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (Amur obl., Sakhalin, Kamchatka, Kuril Is); Asia: North Korea, Japan (Hokkaido, Honshu).
- scalaris** (MEIGEN, 1818): Syst. Besch., **1**: 195 (*Tipula*). Type-locality: near Berlin. —Distr.: Europe: A, AL, B, BG, CH (south), CS, CY, D, DDR, DK, E, F (south), GR (incl. majority of east Mediterranean islands), H, I (incl. Sicily), NL, PL, R, S (south), TR, YU; USSR: CET, SET, TC; Asia: Turkey, Iran (north), Syria (coastal), Lebanon, Israel.
- imperialis* (MEIGEN, 1818): Syst. Besch., **1**: 196 (*Tipula*). Type-locality: Austria.
- scalaris parvinotata** (BRUNETTI, 1918): Rec. Indian Mus., **15**: 276 (*Pachyrhina*, as species). Type-locality: NW Indian frontier (India).—Distr.: Eastpalearctic between 60°N, 30°E, 30°N.
- terminalis* (WIEDEMANN, 1830): Aussereurop. zweifl. Insekt., **2**: 616 (*Tipula*). Type-locality: Syria (the same by lectotype des. of MANNHEIMS, 1951). [A junior primary homonym of *Tipula terminalis* GRAVENHORST 1807.]
- bispinosa* ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 404 (*Nephrotoma*). Type-locality: valley near Koure de Bandie (Mongolia).
- fedtshenkoi* (DODONOV, 1926): Ent. Mitt., **15**: 107 (*Pachyrhina*). Type-locality: Zeravshan valley, Turkestan (USSR).
- brierei* ALEXANDER, 1937: Notes Ent. chin., **4**: 23 (*Nephrotoma*). Type-locality: Wangko, Jiangsu (China).
- schaeuffelei** (MANNHEIMS, 1964): Stuttg. Beitr. Naturk., No **126**: 2 (*Pales*). Type-locality: Mirchomand (Iran).—Distr.: USSR: TC (Az); Asia: Iran (north).
- scurra** (MEIGEN, 1818): Syst. Besch., **1**: 198 (*Tipula*). Type-locality: not given ("aus der Sammlung des Hrn. Grafen von Hoffmannsegg").—Distr.: Europe: wide-spread excl. AL, BG and GR, incl. E (north) and I (north); USSR: NET, CET, SET (west), KZ (north), WS, ES, FE; Asia: North Korea, Mongolia, ?China.

- nodulosa* (BRULLÉ, 1832): Expéd. Sci. Morée, 3(1), (Zool., Sect. 2): 290 (*Tipula*). Type-locality: near Messène (Greece). [Synonymy not certain.]
- stejnegeri* ALEXANDER, 1918: JI N.Y. ent. Soc., 26: 74 (*Nephrotoma*). Type-locality: Kamchatka (USSR). [Synonymy not certain.]
- semiflava* (STROBL in CZERNY and STROBL, 1909): Verh. zool.-bot. Ges. Wien, 59: 134 (*Pachyrhina*, as var. of *crocata* LINNAEUS). Type-locality: Escorial (Spain).—Distr.: Europe: E (north), F (southeast).
- pyrenaica* (PIERRE, 1917): Bull. Soc. ent. Fr., 1917: 304 (*Pachyrhina*). Type-localities: Cauterets; Vallée d'Arrens; Pont d'Espagne near Cauterets (France) (the last by lectotype des. of OOSTERBROEK, 1979).
- sinensis* (EDWARDS, 1916): Ann. Mag. nat. Hist., (8) 18: 268 (*Pachyrhina*). Type-locality: North China.—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea, South Korea, China (Sichuan); China (Yunnan and coastal provinces incl. Hainan), Taiwan.
- spatha* OOSTERBROEK, 1975: Bull. zool. Mus. Univ. Amsterdam, 4: 119 (*Nephrotoma*). Type-locality: Valle de Lozera, Lugo (Spain).—Distr.: Europe: E (Galicia).
- spicula* TANGELDER, 1984: Beaufortia, 34: 48 (*Nephrotoma*). Type-locality: Puksu Pyaksan, Kankyo Nando (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea, China (Heilongjiang).
- stackelbergi* (SAVCHENKO, 1957): Ent. Obozr., 36: 211 (*Pales*). Type-localities: Altai; Krasnoyarskiy kray; Yakutsk ASSR; Buryat Mongolsk ASSR; Mongolia (Sokolovska, Chelyabinsk obl., USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: KZ (east), WS (south), ES (southern half); Asia: Mongolia.
- stygia* ALEXANDER, 1921: Ann. ent. Soc. Am., 14: 131 (*Nephrotoma*). Type-locality: Ikaho, Gumma pref., Honshu (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu, Shikoku, ?Kyushu).
- subanalis* (MANNHEIMS, 1951): 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 56 (*Pales*). Type-locality: Tachdirt (Morocco).—Distr.: North Africa: Morocco (High Atlas).
- sublunulicornis* (SAVCHENKO, 1957): Ent. Obozr., 36: 213 (*Pales*). Type-localities: Krasnoyarskiy kray; Chitinsk obl.; Yakutsk ASSR; Mongolia (Unda, 40 km from Nerchinsk, USSR, by lectotype des. of TANGELDER, 1984).—Distr.: USSR: WS (southeast), ES (southern half); Asia: Mongolia.
- submaculosa* EDWARDS, 1928: Encycl. ent. (B II) Dipt., 4: 188 (*Nephrotoma*). Type-locality: river Porto near Evisa, Corsica (France).—Distr.: Europe: A, B, CH (southwest), CS, D, DDR, DK, E, F (incl. Corsica), GB, H, I (incl. Sardinia, Sicily), IRE, L, N (south), NL, P, PL, R, S (south), SF (Vaasa); USSR: CET (Est, La, Li); North Africa: Morocco.
- subpallida* ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) 15: 401 (*Nephrotoma*). Type-locality: Mt. Minomo, Settsu-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).

- sullingtonensis** EDWARDS, 1938: *Encycl. ent. (B II) Dipt.*, **9**: 97 (*Nephrotoma*).
Type-locality: Sullington, near Pulborough, Sussex (Great Britain).—Distr.: Europe: E, F (west), GB (south), P; North Africa: Morocco.
- tenuipes** (RIEDEL, 1910): *Dt. ent. Z.*, **1910**: 431 (*Pachyrhina*). Type-locality: Trafoiertal, Trentino (Italy) (Stelvio, Italy, by lectotype des. of MANNHEIMS, 1949, in OOSTERBROEK, 1978).—Distr.: Europe: A, BG, CH, CS, D (south), E (Pyrenees), F (Pyrenees), I (north), N, R, S, SF (south), YU; USSR: NET (southwest), CET (Est, La, Li), SET (Uk), TC, WS (Altai, Tuva), FE (Kamchatka); Asia: Mongolia.
- theowaldi** OOSTERBROEK, 1978: *Beaufortia*, **27**: 58 (*Nephrotoma*). Type-locality: Kusadasi (Turkey).—Distr.: Europe: GR (Kos, Rodhos), TR; Asia: Turkey (southwest).
- trilobulata** ALEXANDER, 1936: *Philipp. J. Sci.*, **58**: 408 (*Nephrotoma*). Type-locality: Baltistan, Kashmir (India).—Distr.: USSR: KZ (southeast), SMA (eastern half); Asia: Mongolia; India (Kashmir).
- vana** OOSTERBROEK, 1985: *Tijdschr. Ent.*, **127**: 256 (*Nephrotoma*). Type-locality: Murayama, Sapporo, Hokkaido (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido).
- vana nigrovana** OOSTERBROEK, 1985: *Tijdschr. Ent.*, **127**: 258 (*Nephrotoma*). Type-locality: Mt. Hira, Shiga pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Kyushu).
- villosa** (SAVCHENKO, 1973): *Fauna USSR, Dipt.*, **2(5)**, (N.S.), 105: 164 (*Pales*). Type-locality: Chi-chi, Anhui (China).—Distr.: Asia: China (Anhui).
- violovitshi** (SAVCHENKO in SAVCHENKO and VIOLOVICH, 1967): *Annls zool. Warsz.*, **25**: 355 (*Pales*). Type-locality: valley of the Irbiti river, Tuva (USSR).—Distr.: USSR: WS (Tuva).
- virgata** (COQUILLET, 1898): *Proc. U.S. natn. Mus.*, **21**: 306 (*Pachyrhina*). Type-locality: Japan.—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea, South Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu), China (Hubei, Sichuan).
- decrepita* ALEXANDER, 1935: *Philipp. J. Sci.*, **57**: 140 (*Nephrotoma*). Type-locality: Mt. Omei, Sichuan (China).
- japonica* (ESAKI, 1950): *Icon. Ins. Japon.*, **2**: 1532 (*Limnophila*). Type-locality: Japan.
- xinjiangensis** YANG et YANG, 1987: *Acta Agric. Univ. Pekinensis*, **13**: 244 (*Nephrotoma*). Type-locality: Shache Co., Xinjiang (China).—Distr.: Asia: China (Xinjiang).
- xizangensis** YANG et YANG, 1987: *Agric. Ins. Spiders Plant Dis. Weeds Xizang*, **1**: 129 and 133 (*Nephrotoma*). Type-locality: Nyingchi Co., Tibet (China).—Distr.: Asia: China (Tibet).

Nigrotipula HUTSON et VANE-WRIGHT, 1969

HUTSON and VANE-WRIGHT, 1969: Entomologist's Gaz., **20**: 233 (as subgenus of *Tipula* LINNAEUS, 1758, as new name for *Anomaloptera* LIOY, 1863, a junior homonym of *Anomaloptera* PERRIS, 1843).

Type-species: *Tipula nigra* LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (aut.).

Anomaloptera LIOY, 1863: Atti R. Ist. veneto Sci., (3) **9**: 218. Type-species: *Tipula nigra* LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (orig. des.).

nigra (LINNAEUS, 1758): Syst. Nat., Ed. 10, 1: 586 (*Tipula*). Type-locality: Europe.

—Distr.: Europe and USSR between 63°N and 44°N, in Fennoscandia to 68°N, in USSR as far east as Yakutsk ASSR and Amur obl.; Asia: Mongolia.

verticillata (FABRICIUS, 1794): Entom. syst., **4**: 237 (*Tipula*). Type-locality: Copenhagen (Denmark).

fuliginosa (GIMMERTHAL, 1834): Bull. Soc. nat. Moscou, **7**: 111 (*Tipula*). Type-locality: not given.

rufopicea (WESTHOFF, 1879): Jber. westf. ProvVer. Wiss. Kunst, **8**: 42 (*Tipula*, as var. of *nigra*). Type-locality: Altenberge [D].

melanogaster (MUSCHAMP, 1947): Entomologist's mon. Mag., **83**: 131 (*Pachyrhina*). Type-locality: Prigel pass between Glarus and Schwyz (Switzerland).

nigra ligulifera (ALEXANDER, 1925): Proc. U.S. natn. Mus., **68**(4): 15 (*Tipula*).

Type-locality: Okeanskaya, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

Phoroctenia COQUILLET, 1910

COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 589.

Type-species: *Ctenophora angustipennis* LOEW, 1872: Berl. ent. Z., **16**: 51 (orig. des.) [= *vittata angustipennis* (LOEW, 1872)]; not Palearctic.

Malpighia ENDERLEIN, 1912: Zool. Jb. Syst., **32**: 18. Type-species: *Ctenophora vittata* MEIGEN, 1830: Syst. Besch., **6**: 285 (orig. des.).

vittata (MEIGEN, 1830): Syst. Besch., **6**: 285 (*Ctenophora*). Type-locality: not given ("aus der Baumhauerischen Sammlung").—Distr.: Europe: Fennoscandia south of 70°N, D (north), DDR (north), PL (north); USSR: NET (except Kola), CET (northwest), WS (Altai), ES (southern half), FE (south, incl. Kamchatka, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu), China (Hebei).

nigricoxa (LUNDSTRÖM, 1907): Acta Soc. Fauna Flora fenn., **29**(2): 5 (*Ctenophora*). Type-locality: Jorois (Finland).

immaculata (BECKER in BECKER and SCHNABL, 1926): Ent. Mitt., 15: 33 (*Ctenophora*). Type-localities: "Vom Nordende des Baikal-Sees und vom Padj (Tälchen) Bolschaja Tscheremschanka, beim Dorfe Listwenitschnoje" (USSR).

Prionocera LOEW, 1844

LOEW, 1844: Stettin. ent. Ztg, 5: 170.

Type-species: *Prionocera pubescens* LOEW, 1844: l.c.: 170 (mon.).

Stygeropis LOEW, 1863: Berl. ent. Z., 7: 298 (as [unnecessary] new name for *Prionocera* LOEW, 1844). Type-species: *Prionocera pubescens* LOEW, 1844: l.c.: 170 (aut.).

abscondita LACKSCHEWITZ, 1933: Konowia, 12: 136 (*Prionocera*). Type-locality: near Trifona, Finland [= Pechenga, Petsamo district, Murmansk region, USSR]. —Distr.: USSR: tundra zone, above or at tree line (BRODO, 1987: Pechenga, Ponoy, Dudinka).

chosenicola ALEXANDER, 1945: Trans. R. ent. Soc. Lond., 95: 229 (*Prionocera*). Type-locality: Puksu Pyaksan, Kankyo Nando (North Korea). —Distr.: Asia: North Korea.

dimidiata (LOEW, 1866): Berl. ent. Z., 9: 129 (*Stygeropis*). Type-locality: Hudsons Bay Territory (Canada). —Distr.: Europe: Berlin, SF; Nearctic Region.

absentiva MANNHEIMS, 1951: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 64 (*Prionocera*). Type-locality: Jungfernheide, Berlin.

mannheimsi SAVCHENKO, 1983: Fauna USSR, Dipt., 2(1-2), (N.S.), 127: 498 (*Prionocera*). Type-locality: Polar Ural (USSR). —Distr.: USSR: NET/WS (Polar Ural), ES (Cape Horgo coastal area of Anabarsk Gulf near delta of Anabar river).

ominosa (ALEXANDER, 1920): Ohio J. Sci., 20: 199 (*Stygeropis*). Type-locality: Savonoski, Naknek lake, Alaska (USA) (North Fork pass, Ogilvie Mts, Yukon Territory, Canada by neotype des. of BRODO 1987). —Distr.: USSR: FE (Kamchatka); Nearctic Region.

pubescens LOEW, 1844: Stettin. ent. Ztg, 5: 170 (*Prionocera*). Type-locality: near Poznań (Poland). —Distr.: Europe: A, B, CH, CS, D, F (Massif Central), GB, N, NL, PL, S, SF; USSR: from Kola peninsula and Moldavia to the Kolyma river and Amur obl.

anderi TJEDER, 1948: Opusc. ent., 13: 96 (*Prionocera*). Type-locality: Djuptjärn, Kopparberg (Sweden).

recta TJEDER, 1948: Opusc. ent., 13: 92 (*Prionocera*). Type-locality: Jebrenjokk, Torne Lappmark, Lappland (Sweden). —Distr.: Europe: S (north), SF (north); USSR: NET (north, Novaya Zemlya), ES (north, New Siberian Is), FE (north); Nearctic Region.

- lapponica* TJEDER, 1948: Opusc. ent., 13: 93 (*Prionocera*). Type-locality: Pårte, Sarek, Lule Lappmark, Lappland (Sweden).
- lackschewitzii* MANNHEIMS, 1951: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 71 (*Prionocera*). Type-locality: Kuusamo (Finland).
- [*gracilistyla* ALEXANDER, 1956: Pan-Pacif. Ent., 32: 123 (*Prionocera*). Type-locality: Point Barrow, Alaska (USA).]
- ringdahli* TJEDER, 1948: Opusc. ent., 13: 90 (*Prionocera*). Type-locality: Abisko, Torne Lappmark, Lappland (Sweden).—Distr.: Europe: S (north), SF (north); USSR: in the north as far east as Verkhoyansk, KZ (Semipalatinsk obl.), FE (Kamchatka, Kuril Is); Nearctic Region.
- serenicola* ALEXANDER, 1945: Trans. R. ent. Soc. Lond., 95: 230 (*Prionocera*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.
- serricornis* (ZETTERSTEDT, [1838]): Insecta Lapp.: 844 (*Tipula*). Type-localities: Jukkasjärvi, Karungi (Sweden); Alten (?Finland).—Distr.: Europe: N, S, SF (north); USSR: in the north from Kola peninsula to Magadan obl., incl. Novaya Zemlya, ?KZ, ?Yakutsk.
- anceps* LACKSCHEWITZ, 1933: Konowia, 12: 141 (*Prionocera*). Type-localities: "Laponia; Rossia: Nord-Ural, Sabli; Sibiria: Karische Tundra, Gouv. Tobolsk; Kainsk, Gouv. Tomsk; Werchne kolymysk-Nishe kolymysk; Am Fluss Alaseja, n-östl Jakutsk-Gebiet".
- setosa* TJEDER, 1948: Opusc. ent., 13: 86 (*Prionocera*). Type-locality: Abisko, Torne Lappmark, Lappland (Sweden).—Distr.: Europe: S (north).
- subsericornis* (ZETTERSTEDT, 1851): Dipt. scand., 10: 3970 (*Tipula*). Type-localities: Skaltugan; Jemtland (Sweden); "inter Suul et Kongsstuen Vaerdaliae" (Norway) (the last by lectotype des. of TJEDER, 1948).—Distr.: Europe: A, CS, D, DDR, GB, N, NL, PL, S, SF; USSR: from the Baltic States and Kola peninsula throughout Siberia, incl. Kamchatka, Sakhalin and Kuril Is; Asia: Mongolia; Nearctic Region.
- proxima* LACKSCHEWITZ, 1933: Konowia, 12: 135 (*Prionocera*). Type-localities: in DDR and throughout the USSR (Ahlbeck, Insel Usedom, DDR, by lectotype des. of MANNHEIMS, 1951).
- subturcica* SAVCHENKO, 1983: Fauna USSR, Dipt., 2(1-2), (N.S.), 127: 490 (*Prionocera*). Type-locality: Khibin, Wudjaure lake, Kola peninsula (USSR).—Distr.: USSR: NET (Kola peninsula).
- tjederii* MANNHEIMS, 1951: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 70 (*Prionocera*). Type-locality: Orsa (Sweden).—Distr.: Europe: CS, S, SF; USSR: in the north from Kola peninsula to the East Siberian Sea; Nearctic Region.
- turcica* (FABRICIUS, 1787): Mantissa insect., 2: 322 (*Tipula*). Type-locality: Kiel [D].—Distr.: Europe: B, CS, CH (Jura), D, DDR, DK (incl. Faeroes), F, GB, IRE, IS, N, NL, PL, S, SF; USSR: from the Baltic States to Magadan obl. in the north, from Kiev and the Caucasus to Amur obl. in the south; Nearctic Region.

- diana* (MEIGEN, 1818): Syst. Besch., 1: 189 (*Tipula*). Type-locality: near Stolberg [D].
- [*woodorum* BRODO, 1987: Evol. Monogr., 8: 69 (*Prionocera*). Type-locality: Klondike highway, km 612, Barlow lake, Yukon (Canada).—Distr.: Europe: ?S (?Abisko); Nearctic Region.]

Pselliophora OSTEN SACKEN, 1887

OSTEN SACKEN, 1887: Berl. ent. Z., 30: 165.

Type-species: *Tipula laeta* FABRICIUS, 1794: Entom. syst., 4: 239 (des. BRUNETTI, 1912: Fauna Brit. India, Dipt., 1: 290); not Palearctic.

- bifascipennis** BRUNETTI, 1911: Rec. Indian Mus., 6: 241 (*Pselliophora*). Type-locality: Shanghai (China).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu, Kyushu), North Korea, South Korea, China (east); China (as far south as Guandong).
- sackeni* EDWARDS, 1916: Ann. Mag. nat. Hist., (8) 18: 257 (*Pselliophora*). Type-locality: China.
- horikawae* (MATSUMURA, 1916): Thousand Ins. Japan, Add. 2: 449 (*Dictenidia*). Type-locality: Nagasaki, Kyushu (Japan).
- compta* ENDERLEIN, 1921: Zool. Anz., 52: 220 (*Pselliophora*). Type-localities: Japan; Tsingtau (China).
- nigrithorax* ENDERLEIN, 1921: Zool. Anz., 52: 221 (*Pselliophora*, as var. of *compta*). Type-locality: Japan.
- [**cavaleriei** ALEXANDER, 1922: Bull. Mus. natn. Hist. nat. Paris, (1) 28: 298 (*Pselliophora*). Type-locality: Mt. Chouen, Guizhou (China).—Distr.: Asia: China (Guizhou).]
- flavibasis** EDWARDS, 1916: Ann. Mag. nat. Hist., (8) 18: 256 (*Pselliophora*). Type-localities: Nagasaki, Kyushu (Japan); Lu-huang Is, Chusan Archipelago (China); China.—Distr.: Asia: Japan (Honshu, Kyushu), China (Zhejiang).
- fumiplena** (WALKER, 1856): Ins. Saunders., 1(5): 449 (*Ctenophora*). Type-locality: China.—Distr.: Asia: China (north, east).
- galeata** ALEXANDER, 1921: Insecutor Inscit. menstr., 9: 182 (*Pselliophora*). Type-locality: Oshima, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Kyushu).
- [**guangxiensis** YANG et YANG, 1988: Entomotaxon., 10: 5 and 9 (*Pselliophora*). Type-locality: Wuming Co., Guangxi (China).—Distr.: Asia: China (Guangxi).]
- [**hainanensis** YANG et YANG, 1988: Entomotaxon., 10: 6 and 9 (*Pselliophora*). Type-locality: Hainan Is, Guangdong (China).—Distr.: Asia: China (Hainan Is).]

- isshikii** (MATSUMURA, 1916): Thousand Ins. Japan, Add. 2: 453 (*Ctenophora*).
Type-locality: Odaigahara, Yamato, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Kyushu).
- [jinxiuensis** YANG et YANG, 1988: Entomotaxon., 10: 7 and 10 (*Pselliophora*).
Type-locality: Jinxiu Co., Guangxi (China).—Distr.: Asia: China (Guangxi).]
- koreana** MASAKI, 1939: Mushi, 12: 90 (*Pselliophora*). Type-locality: Suigen near Keijo (South Korea).—Distr.: Asia: South Korea.
- lauta** ALEXANDER, 1936: Philipp. J. Sci., 59: 227 (*Pselliophora*). Type-locality: Fulin, Sichuan (China).—Distr.: Asia: China (Sichuan).
- [longshengensis** YANG et YANG, 1988: Entomotaxon., 10: 7 and 10 (*Pselliophora*). Type-locality: Longsheng Co., Guangxi (China).—Distr.: Asia: China (Guangxi).]
- [ningmingensis** YANG et YANG, 1988: Entomotaxon., 10: 7 and 10 (*Pselliophora*). Type-locality: Ningming Co., Guangxi (China).—Distr.: Asia: China (Guangxi).]
- [pallitibia** YANG et YANG, 1988: Entomotaxon., 10: 6 and 9 (*Pselliophora*). Type-locality: Jinxiu Co., Guangxi (China).—Distr.: Asia: China (Guangxi).]
- vulcan** ALEXANDER, 1923: Ann. ent. Soc. Am., 16: 71 (*Pselliophora*). Type-locality: Tokyo-Fu, Oshima, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- xanthopimplina** ENDERLEIN, 1921: Zool. Anz., 52: 224 (*Pselliophora*). Type-locality: Tsha-jiu-san (China).—Distr.: Asia: China (north, Sichuan, Zhejiang); China (Fujian).
- quadrivittata** EDWARDS, 1921: Ann. Mag. nat. Hist., (9) 7: 377 (*Pselliophora*). Type-locality: north China.

Tanyptera LATREILLE, 1804

LATREILLE, 1804: Nouv. dict. hist. nat., 24: 188.

Type-species: *Tipula atrata* LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (mon.).

Xiphura BRULLÉ, 1832: Ann. Soc. ent. Fr., (1) 1: 206. Type-species: *Tipula atrata* LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (des. BRULLÉ, 1833: Annls Soc. ent. Fr., (1) 2: 401).

Xiphusa: authors, unjustified emendation.

Mesodictenidia MATSUMURA, 1931: see below as subgenus.

Subgenus MESODICTENIDIA MATSUMURA, 1931

MATSUMURA, 1931: 6000 Ill. Ins. Jap. Emp.: 395 (as genus).

Type-species: *Mesodictenidia macraeformis* MATSUMURA, 1931: l.c.: 395 (mon.)

[= *gracilis* (PORTSCHINSKY, 1873)].

- Protanyptera* SAVCHENKO, 1973: Fauna USSR, Dipt., 2(5), (N.S.), 105: 257 (as subgenus of *Tanyptera* LATREILLE, 1804). Type-species: *Ctenophora gracilis* PORTSCHINSKY, 1873: Horae Soc. ent. ross., 9: 289 (orig. des.).
- angustistyla** ALEXANDER, 1925: Ann. ent. Soc. Am., 17: 441 (*Tanyptera*). Type-locality: Mt. Moiwa, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu).
- antica** ALEXANDER, 1938: Philipp. J. Sci., 66: 310 (*Tanyptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan, Zhejiang).
- cognata** ALEXANDER, 1936: Philipp. J. Sci., 59: 225 (*Tanyptera*). Type-locality: W of Yachow, Sichuan (China).—Distr.: Asia: China (Sichuan).
- [digitata]** YANG et YANG, 1988: J. Hubei Univ. (Nat. Sci.), 10: 72 and 75 (*Tanyptera*). Type-locality: Jinggang Mts, Jiangxi (China).—Distr.: Asia: China (Jiangxi).]
- gracilis** (PORTSCHINSKY, 1873): Horae Soc. ent. ross., 9: 289 (*Ctenophora*). Type-locality: near Irkutsk (USSR).—Distr.: USSR: WS (Altai), ES (Irkutsk obl.), FE (Primorskiy kray, Kuril Is); Asia: Japan (Hokkaido).
- macra** (LOEW, 1873): Besch. europ. Dipt., 3: 2 (*Ctenophora*). Type-locality: Kul-tuk, Irkutsk obl. (USSR).
- macraeformis** (MATSUMURA, 1931): 6000 Ill. Ins. Jap. Emp.: 395 (*Mesodictenidia*). Type-locality: Japan.
- perangusta** ALEXANDER, 1953: Philipp. J. Sci., 82: 141 (*Tanyptera*). Type-locality: Iwai, near Imanoyama, Tosa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).
- stackelbergiana** SAVCHENKO, 1973: Fauna USSR, Dipt., 2(5), (N.S.), 105: 260 (*Tanyptera*). Type-locality: Binbayo Kan district, Krasnoyarskiy kray (USSR).—Distr.: USSR: ES (Krasnoyarskiy kray).
- subcognata** ALEXANDER, 1941: Philipp. J. Sci., 73: 377 (*Tanyptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- tsurugiana** TAKAHASHI, 1960: Mushi, 33: 15 (*Tanyptera*). Type-locality: Mt. Tsurugi, Tokushima pref., Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

Subgenus TANYPTERA LATREILLE, 1804

- atrata** (LINNAEUS, 1758): Syst. Nat., Ed. 10, 1: 586 (*Tipula*). Type-locality: not given (?Sweden).—Distr.: Europe and USSR between 70°N, 60°E, and 40°N (excl. BG); USSR: KZ (north, east), SMA (Ki), WS (Altai, Tuva), FE (Amur obl., Kamchatka).
- ichneumonea** (DE GEER, 1776): Mém. Ins., 6: 350 (*Tipula*). Type-locality: not given (?Sweden).
- flavicornis** (MEIGEN, 1818): Syst. Besch., 1: 166 (*Ctenophora*). Type-locality: Austria.

- ruficornis* (MEIGEN, 1830): Syst. Besch., 6: 284 (*Ctenophora*). Type-locality: not given (?Hamburg [D]).
- villaretiana* (BRULLÉ, 1832): Annls Soc. ent. Fr., 1: 208 (*Xiphura*). Type-locality: near Arras (France).
- nigrofasciata* (BRULLÉ, 1832): Annls Soc. ent. Fr., 1: 208 (*Xiphura*). Type-locality: near Arras (France).
- amoena* (LOEW, 1871): Besch. europ. Dipt., 2: 22 (*Ctenophora*). Type-locality: Kultuk, Irkutsk obl. (USSR).
- atrata portschinskyi** (ENDERLEIN, 1912): Zool. Jb. Syst., 32: 21 (*Malpighia*, as species). Type-locality: Irkutsk (USSR).—Distr.: USSR: WS (Tuva), ES (Krasnoyarskiy kray, Irkutsk obl., Chitinsk obl.), FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: "Korea", Japan (Hokkaido, Honshu, Shikoku, Kyushu), China (Heilongjiang).
- minuta* (PORTSCHINSKY, 1873): Horae Soc. ent. ross., 9: 288 (*Ctenophora*). Type-locality: near Irkutsk (USSR). [A questionable senior synonym.]
- variabilis* (ENDERLEIN, 1912): Zool. Jb. Syst., 32: 24 (*Xiphura*). Type-locality: Irkutsk (USSR).
- jozana* (MATSUMURA, 1916): Thousand Ins. Japan, Add. 2: 450 and 451 (*Xiphura*). Type-locality: Jozankei near Sapporo, Hokkaido (Japan).
- atrata przewalskii** SAVCHENKO, 1973: Fauna USSR, Dipt., 2(5), (N.S.), 105: 272 (*Tanyptera*). Type-locality: southeast Mongolia.—Distr.: Asia: Mongolia (southeast).
- atrata unilineata** ALEXANDER, 1936: Philipp. J. Sci., 60: 174 (*Tanyptera*, as subsp. of *jozana* MATSUMURA). Type-locality: Kamen Rybolov, lake Chanka, Primorskiy kray (USSR).—Distr.: USSR: ES (Yakutsk ASSR, Irkutsk obl.), FE (Amur obl., Primorskiy kray); Asia: China (Hebei).
- brevipecten** ALEXANDER, 1955: Ann. ent. Soc. Am., 48: 364 (*Tanyptera*). Type-locality: Naidaizin, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu). [Subgeneric position not certain.]
- hebeiensis** YANG et YANG, 1988: J. Hubei Univ. (Nat. Sci.), 10: 70 and 74 (*Tanyptera*). Type-locality: Pingquan Co., Hebei (China).—Distr.: Asia: China (Hebei).
- hubeiensis** YANG et YANG, 1988: J. Hubei Univ. (Nat. Sci.), 10: 71 and 74 (*Tanyptera*). Type-locality: Shennongjia Co., Hubei (China).—Distr.: Asia: China (Hubei).
- mediana** YANG et YANG, 1988: J. Hubei Univ. (Nat. Sci.), 10: 73 and 75 (*Tanyptera*). Type-locality: Bayannur League, Inner Mongolia (China).—Distr.: Asia: China (Inner Mongolia, Beijing).
- nigricornis** (MEIGEN, 1818): Syst. Besch., 1: 159 (*Ctenophora*). Type-locality: not given ("aus der Sammlung des Hrn. Baumhauer").—Distr.: Europe and USSR between 70°N, 45°E, and 44°N (YU incl. Macedonia); USSR: ES (Yakutsk ASSR, Irkutsk obl.).

- guttiventris* (ZETTERSTEDT, 1855): Dipt. scand., 12: 4902 (*Ctenophora*). Type-locality: Herrevadskloster (Sweden).
- nigricornis fumibasis** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) 15: 392 (*Tanyptera*, as subsp. of *jozana* MATSUMURA). Type-locality: Chichiba, Mushashi-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- nigricornis kotan** TAKAHASHI, 1960: Mushi, 33: 12 (*Tanyptera*, as species). Type-locality: Ashorobuto, Ashoro Gun, Hokkaido (Japan).—Distr.: USSR: WS (Tuva), FE (Amur obl., Magadan obl., Primorskiy kray, Kuril Is); Asia: Japan (Hokkaido).
- parva** (PORTSCHINSKY, 1887): Horae Soc. ent. ross., 21: 4 (*Ctenophora*). Type-locality: Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu, Shikoku).
- flavoposticata* ALEXANDER, 1954: Trans. Shikoku ent. Soc., 4: 24 (*Tanyptera*). Type-locality: Omogo valley, Shikoku (Japan).
- shennongana** YANG et YANG, 1988: J. Hubei Univ. (Nat. Sci.), 10: 71 and 75 (*Tanyptera*). Type-locality: Shennongjia Co., Hubei (China).—Distr.: Asia: China (Hubei).
- trimaculata** YANG et YANG, 1988: J. Hubei Univ. (Nat. Sci.), 10: 74 and 75 (*Tanyptera*). Type-locality: Mt. Wudang, Hubei (China).—Distr.: Asia: China (Hubei).

Tipula LINNAEUS, 1758

LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 585.

Type-species: *Tipula oleracea* LINNAEUS, 1758: l.c.: 585 (des. LATREILLE, 1810:

Cons. générales nat. animaux: 442).

Pterelachisus RONDANI, 1842: see below as subgenus.

Trichotipula ALEXANDER, 1915: see below as subgenus.

Formotipula MATSUMURA, 1916: see below as subgenus.

Nippotipula MATSUMURA, 1916: see below as subgenus.

Platytipula MATSUMURA, 1916: see below as subgenus.

Yamatotipula MATSUMURA, 1916: see below as subgenus.

Acutipula ALEXANDER, 1924: see below as subgenus.

Mediotipula PIERRE, 1924: see below as subgenus.

Vestiplex BEZZI, 1924: see below as subgenus.

Lunatipula EDWARDS, 1931: see below as subgenus.

Schummelia EDWARDS, 1931: see below as subgenus.

Arctotipula ALEXANDER, 1934: see below as subgenus.

Sinotipula ALEXANDER, 1935: see below as subgenus.

Odonatisca SAVCHENKO, 1956: see below as subgenus.

Beringotipula SAVCHENKO, 1961: see below as subgenus.

Sivatipula ALEXANDER, 1964: see below as subgenus.
Dendrotipula SAVCHENKO, 1964: see below as subgenus.
Lindnerina MANNHEIMS, 1965: see below as subgenus.
Triplicitipula ALEXANDER, 1965: see below as subgenus.
Emdotipula ALEXANDER, 1966: see below as subgenus.
Labiotipula ALEXANDER, 1966: see below as subgenus.
Savtshenkia ALEXANDER, 1966: see below as subgenus.

Subgenus ACUTIPULA ALEXANDER, 1924

ALEXANDER, 1924: Arkiv Zool., **16**(18): 11 (as subgenus of *Tipula* LINNAEUS, 1758).

Type-species: *Tipula gaboonensis* ALEXANDER, 1920: Bull. Mus. natn. Hist. nat. Paris, **26**: 403 (orig. des.); not Palaearctic.

acanthophora ALEXANDER, 1934: Philipp. J. Sci., **52**: 320 (*Tipula*). Type-locality: Tigrovoy, Partisansk district, Primorskiy kray (USSR).—Distr.: USSR: FE (south, incl. Kuril Is).

anormalipennis PIERRE, 1924: Encycl. ent. (B II) Dipt., **1**: 90 (*Tipula*). Type-locality: Haut Imminen, High Atlas (Morocco).—Distr.: North Africa: Morocco.

aureola MANNHEIMS, 1952: 15. Tipulidae, Fliegen pal. Reg., **3**(5)1: 89 (*Tipula*). Type-locality: Algeciras (Spain).—Distr.: Europe: E (south).

bicompressa ALEXANDER, 1950: Ann. ent. Soc. Am., **43**: 424 (*Tipula*). Type-locality: Puksu Pyaksan (North Korea).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: North Korea.

bihastata ALEXANDER, 1941: Philipp. J. Sci., **73**: 390 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

bipenicillata ALEXANDER, 1924: Philipp. J. Sci., **24**: 603 (*Tipula*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu).

biramosa ALEXANDER, 1933: Philipp. J. Sci., **51**: 515 (*Tipula*). Type-locality: Fu-Lin, Sichuan (China).—Distr.: Asia: China (Sichuan).

bistyligera ALEXANDER, 1935: Philipp. J. Sci., **57**: 111 (*Tipula*). Type-locality: Mupin, Sichuan (China).—Distr.: Asia: China (Sichuan).

bosnica STROBL, 1898: Glasn. zemelj. Mus. Bosni Herceg., **10**: 603 (*Tipula*, as var. of *pruinosa* WIEDEMANN). Type-locality: Ivan [= ?Ivangrad] (Yugoslavia).—Distr.: Europe: A, CH, CS, GR, H, R, YU; USSR: SET (Uk).

decipiens CZIŽEK, 1912: Wien. ent. Ztg, **31**: 172 (*Tipula*). Type-locality: Zwittatal near Brünn (Czechoslovakia).

bubo ALEXANDER, 1918: Jl N.Y. ent. Soc., **26**: 69 (*Tipula*). Type-locality: Akakura, Echigo, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu).

- shibakawae* MATSUMURA, 1932: Illustr. Common Ins. Jap., 4: 37 and 53 (*Tipula*). Type-locality: Japan.
- bulbifera* ALEXANDER, 1953: Philipp. J. Sci., 82:151 (*Tipula*). Type-locality: Iwai, near Imanoyama, Tosa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- captiosa* ALEXANDER, 1934: Arkiv Zool., 27(A)(17): 7 (*Tipula*). Type-locality: Kung-tze-tagga, Tsaluk valley, Min Mts, Gansu (China).—Distr.: Asia: China (Gansu).
- cockerelliana* ALEXANDER, 1925: Proc. U.S. natn. Mus., 68(4): 14 (*Tipula*). Type-locality: Okeanskaya, Primorskiy kray (USSR).—Distr.: USSR: FE (south, incl. Sakhalin).
- corsica* PIERRE, 1921: Bull. Soc. ent. Fr., 1921: 47 (*Tipula*). Type-locality: Forêt de Valdoniello, Corsica (France).—Distr.: Europe: F (Corsica), I (Sardinia).
- cretensis* VERMOOLEN, 1983: Beaufortia, 53: 65 (*Tipula*). Type-locality: Fassas valley W of Chliaro, Crete (Greece).—Distr.: Europe: GR (Crete).
- cypriensis* VERMOOLEN, 1983: Beaufortia 53: 69 (*Tipula*). Type-locality: Cyprus. —Distr.: Europe: CY.
- desidiosa* ALEXANDER, 1933: Philipp. J. Sci., 52: 132 (*Tipula*). Type-locality: Yin-Kuan-Tsai (China).—Distr.: Asia: China (Sichuan-Tibet border).
- dicladura* ALEXANDER, 1934: Philipp. J. Sci., 54: 313 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- doriae* PIERRE, 1926: Encycl. ent. (B II) Dipt., 3: 13 (*Tipula*). Type-locality: Giglio (Italy).—Distr.: Europe: E (Mallorca), F (Corsica), I (Sardinia, Giglio); North Africa: Algeria (Grande Kabylie).
- forticauda* ALEXANDER, 1936: Philipp. J. Sci., 60: 329 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- fulvipennis* DE GEER, 1776: Mém. Ins., 6: 343 (*Tipula*). Type-locality: not given (?Sweden).—Distr.: Europe: widespread excl. AL and north Fennoscandia, incl. Faeroes, Corsica, Sardinia; USSR: NET (?incl. Novaya Zemlya), CET, SET, TC, KZ, WS (south), ES (south); Asia: Turkey (northeast), Iran (northeast), Mongolia.
- lutescens* FABRICIUS, 1805: Syst. antl.: 24 (*Tipula*). Type-locality: Denmark.
- gemma* ALEXANDER, 1953: Philipp. J. Sci., 82: 152 (*Tipula*). Type-locality: Mt. Saragamine, Iyo, Shikoku (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Shikoku).
- graphiptera* ALEXANDER, 1933: Philipp. J. Sci., 51: 512 (*Tipula*). Type-locality: Yu-Long-Si (China).—Distr.: Asia: China (Tibet border).
- hokusaii* DE JONG, 1984: Trans. Shikoku ent. Soc., 16: 13 (*Tipula*). Type-locality: Sooukyo, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu).
- incorruppta* ALEXANDER, 1933: Philipp. J. Sci., 51: 510 (*Tipula*). Type-locality: near Tang-Gu (China).—Distr.: Asia: China (Sichuan-Tibet border).
- intacta* ALEXANDER, 1933: Philipp. J. Sci., 51: 377 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

- irrequieta** ALEXANDER, 1936: Philipp. J. Sci., **58**: 392 (*Tipula*). Type-locality: Skardu, Baltistan, Kashmir (India).—Distr.: USSR: TC, KZ, SMA; Asia: Iran (north), Afghanistan; India (north).
- apoblepta** ALEXANDER, 1955: Ann. Mag. nat. Hist., (12) **8**: 663 (*Tipula*). Type-locality: Bashgul valley, Nuristan (Afghanistan).
- ismene** MANNHEIMS, 1969: Bonn. zool. Beitr., **20**: 255 (*Tipula*). Type-locality: Pertuli, Pindos (Greece).—Distr.: Europe: GR (incl. Kefallinia).
- isparta** VERMOOLEN, 1983: Beaufortia, **53**: 70 (*Tipula*). Type-locality: Egridir, Isparta (Turkey).—Distr.: Europe: CY; Asia: Turkey (Isparta, İçel).
- kuzuensis** ALEXANDER, 1918: Jl N.Y. ent. Soc., **26**: 69 (*Tipula*). Type-locality: Kuzu, Shinano, Honshu (Japan).—Distr.: USSR: FE (Kurul Is); Asia: Japan (Honshu, Shikoku).
- latifasciata** ALEXANDER, 1933: Philipp. J. Sci., **52**: 135 (*Tipula*). Type-locality: Yu-Long-Gong (China).—Distr.: Asia: China (Tibet border).
- libanica** VERMOOLEN, 1983: Beaufortia, **53**: 61 (*Tipula*). Type-locality: Jabal el Barouk, Nahr ed Damour (Lebanon).—Distr.: Asia: Lebanon, Israel.
- luctuosa** MANNHEIMS, 1963: Boll. Ass. romana Ent., **18**: 33 (*Tipula*). Type-locality: La Camosciara, Parco Nazionale d'Abruzzo (Italy).—Distr.: Europe: I.
- luna** WESTHOFF, 1879: Jber. westf. ProvVer. Wiss. Kunst, **8**: 47 (*Tipula*, as new name for *Tipula lunata*: MEIGEN, 1818, not LINNAEUS, 1758, misidentification). Type-locality: near Münster, Westfalen [D] (the same by neotype des. of MANNHEIMS, 1959).—Distr.: Europe: widespread excl. AL, BG and north Fennoscandia, incl. E (north); USSR: NET (southwest), CET, SET (Uk).
- macra** SAVCHENKO, 1961: Fauna USSR, Dipt., **2**(3), (N.S.), **79**: 414 (*Tipula*). Type-locality: Lerik, Mistan (USSR: Az).—Distr.: USSR: TC (Az); Asia: Iran (north).
- maxima** PODA, 1761: Insecta musei graec.: 113 (*Tipula*). Type-locality: not given (Schwarzau, Austria, by neotype des. of VERMOOLEN, 1983).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, E (north), F (incl. Corsica), GB, H, I (incl. Sicily), IRE, L, N (south), NL, PL (south), S (south), SF (south); USSR: NET (southwest), CET (northwest); North Africa: ?Algeria (?Biskra).
- sinuata** FABRICIUS, 1775: Syst. entom.: 748 (*Tipula*). Type-locality: Copenhagen (Denmark).
- gigantea** SCHRANK, 1776: Beytr. Naturgesch.: 92 (*Tipula*). Type-locality: Linz (Austria).
- nubilosa** HARRIS, [1776]: Exp. Eng. Ins.: 55 (*Tipula*). Type-locality: not given (Great Britain).
- hortorum** HERBST, 1784: Einleitung Kenntnis Insekten: 100 (*Tipula*). Type-locality: not given.
- maxima balcanica** VERMOOLEN, 1983: Beaufortia, **53**: 57 (*Tipula*). Type-locality: Vourvoura, 25 km S Tripolis, Peloponnisos (Greece).—Distr.: Europe: AL, BG, GR (incl. Andros, Tinos), R, YU; USSR: CET (southwest), SET (Uk).

- maxima pseudogigantea** STROBL, 1900: Wien. ent. Ztg, **19**: 207 (*Tipula*, as species). Type-locality: Sierra Aiscurre, northern Spain (Spain).—Distr.: Europe: E.
- megaleuca** ALEXANDER, 1933: Philipp. J. Sci., **51**: 513 (*Tipula*). Type-locality: Tatsienlu (China).—Distr.: Asia: China (Tibet border).
- melampodia** ALEXANDER, 1935: Philipp. J. Sci., **57**: 110 (*Tipula*). Type-locality: Beh-Luh-Din, 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- niethammeri** MANNHEIMS, 1969: Bonn. zool. Beitr., **20**: 253 (*Tipula*). Type-locality: Manteigas, Serra da Estrela (Portugal).—Distr.: Europe: E, P.
- nigroantennata** SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 400 (*Tipula*, as subsp. of *fulvipennis* DE GEER). Type-locality: Teberda, Stavropol'skiy kray (USSR).—Distr.: USSR: SET (Crimea, southeast), TC; Asia: Turkey (northeast), Iran (northeast).
- omeiensis** ALEXANDER, 1934: Philipp. J. Sci., **52**: 317 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- oncerodes** ALEXANDER, 1934: Philipp. J. Sci., **52**: 133 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pertinax** ALEXANDER, 1934: Arkiv Zool., **27**(A)(17): 5 (*Tipula*). Type-locality: Kung-tze-tagga, Tsaluk valley, Min Mts, Gansu (China).—Distr.: Asia: China (Gansu).
- phaeoleuca** ALEXANDER, 1940: Notes Ent. chin., **8**: 14 (*Tipula*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- platycantha** ALEXANDER, 1934: Philipp. J. Sci., **54**: 314 (*Tipula*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- radha** ALEXANDER, 1952: Ann. Mag. nat. Hist., (12) **5**: 1103 (*Tipula*). Type-locality: Kawg La, Atakawg, Zayul, Tibet (China).—Distr.: Asia: China (SE Tibet).
- repanda** LOEW, 1864: Wien. ent. Mschr., **8**: 129 (*Tipula*). Type-locality: southern Spain.—Distr.: Europe: E, F (south), P.
- repentina** MANNHEIMS, 1952: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 104 (*Tipula*). Type-locality: Tachdirt, High Atlas (Morocco).—Distr.: North Africa: Morocco.
- rifensis** THEOWALD et OOSTERBROEK, 1980: Beaufortia, **30**: 183 (*Tipula*). Type-locality: Targuist, Rif (Morocco).—Distr.: North Africa: Morocco.
- saitamae** ALEXANDER, 1920: Trans. Am. ent. Soc., **46**: 21 (*Tipula*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu).
- schmidtii** MANNHEIMS, 1952: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 88 (*Tipula*). Type-locality: above Gorgopotamos, near Lamia (Greece).—Distr.: Europe: AL, GR, YU (Macedonia).
- stenoterga** ALEXANDER, 1941: Philipp. J. Sci., **73**: 391 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- subintacta** ALEXANDER, 1936: Philipp. J. Sci., **60**: 330 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

- subturbida** ALEXANDER, 1933: Philipp. J. Sci., **51**: 378 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- tenuicornis** SCHUMMEL, 1833: Beitr. Ent., Breslau, **3**: 24 (*Tipula*). Type-localities: Lissa; Skarsine; near Wrocław (Poland).—Distr.: Europe: A, CS, H, PL, R, YU; USSR: NET (southwest), CET (west), SET (Uk).
- tokionis** ALEXANDER, 1920: Insecutor Inscit. menstr., **8**: 138 (*Tipula*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu, Shikoku).
- transcaucasica** SAVCHENKO, 1961: Fauna USSR, Dipt., **2**(3), (N.S.), 79: 413 (*Tipula*, as subsp. of *maxima* PODA). Type-locality: Yerevan (USSR: Arm).—Distr.: USSR: SET (Volgograd obl.), TC, SMA (west); Asia: Iran (north).
- transcaucasica latifurca** VERMOOLEN, 1983: Beaufortia, **53**: 59 (*Tipula*). Type-locality: Katundre, 15 km N Malko Turnovo (Bulgaria).—Distr.: Europe: BG, GR (incl. Ikaria, Kos, Samos, Samothraki, Serifos, Thasos), TR, YU (south); Asia: Turkey, Lebanon.
- triangulifera** LOEW, 1864: Wien. ent. Mschr., **8**: 130 (*Tipula*). Type-locality: southern Spain.—Distr.: Europe: E (south).
- turbida** ALEXANDER, 1924: Ann. Mag. nat. Hist., (9) **14**: 470 (*Tipula*). Type-locality: lake Ozenuma, Yumoto, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- vana** ALEXANDER, 1934: Philipp. J. Sci., **52**: 318 (*Tipula*). Type-locality: Slavianski bay, Tulamu river (USSR).—Distr.: USSR: FE (south).
- vittata** MEIGEN, 1804: Klass. Beschr., **1**: 66 (*Tipula*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: widespread excl. AL, BG, IRE, R and north Fennoscandia.

Subgenus ARCTOTIPULA ALEXANDER, 1934

ALEXANDER, 1934: Philipp. J. Sci., **52**: 410 (as subgenus of *Tipula* LINNAEUS, 1758).

Type-species: *Tipula besselsi* OSTEN SACKEN, 1876: Proc. Boston Soc. nat. Hist., **19**: 42 (orig. des.).

aleutica ALEXANDER, 1923: North Am. Fauna, **46**: 164 (*Tipula*). Type-locality: St George Is, Pribilof Is (USA).—Distr.: USSR: NET (north), WS (north), ES (north), FE (north); Nearctic Region.

lackschewitzi MANNHEIMS, 1953: 15. Tipulidae, Fliegen pal. Reg., **3**(5)1: 116 (*Tipula*, as new name for *Tipula besselsi*: authors, not OSTEN SACKEN, 1876, misidentifications).

besselsi OSTEN SACKEN, 1876: Proc. Boston Soc. nat. Hist., **19**: 42 (*Tipula*). Type-locality: Polaris bay (Greenland).—Distr.: USSR: FE (Magadan obl.); Nearctic Region.

- besselsi centrasiatica** SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 336 (*Tipula*). Type-locality: Ulan-Bator (Mongolia).—Distr.: USSR: ES (Irkutsk obl.); Asia: Mongolia.
- caliginosa** SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 339 (*Tipula*). Type-locality: Koldor, Teletskye lake, Gorno-Altai AO (USSR) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: WS (Altai, Tuva); Asia: Mongolia.
- centrodentata** ALEXANDER, 1952: Rec. Indian Mus., 50: 326 (*Tipula*, as new name for *Tipula mediodentata* ALEXANDER, 1950, a junior primary homonym of *Tipula mediodentata* ALEXANDER, 1944).—Distr.: Asia: North Korea.
- mediodentata* ALEXANDER, 1950: Ann. ent. Soc. Am., 43: 422 (*Tipula*). Type-locality: Chonsani (North Korea).
- conjuncta** ALEXANDER, 1925: Encycl. ent. (B II) Dipt., 2: 88 (*Tipula*). Type-locality: Ussuri, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- conjuncta conjunctoides** ALEXANDER, 1950: Ann. ent. Soc. Am., 43: 420 (*Tipula*). Type-locality: Manchuria (China).—Distr.: Asia: China (northeast).
- crassispina** SAVCHENKO, 1978: Dokl. Akad. Nauk ukr. RSR (B), 1978: 656 (*Tipula*). Type-locality: Talandzha, Yevreysk AO (USSR).—Distr.: USSR: FE (south).
- excelsa** SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 323 (*Tipula*). Type-locality: near Krasnoyarsk (USSR).—Distr.: USSR: WS (Altai, Tuva), ES (Krasnoyarskiy kray).
- gavronskii** ALEXANDER, 1934: Philipp. J. Sci., 52: 412 (*Tipula*). Type-locality: Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- hirticula** ALEXANDER, 1953: Philipp. J. Sci., 82: 154 (*Tipula*). Type-locality: Ojoin, near Niihama, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- hirtitergata** ALEXANDER, 1934: Philipp. J. Sci., 52: 411 (*Tipula*). Type-locality: Dulysmar river, Amur obl. (USSR).—Distr.: USSR: ES (Yakutsk ASSR), FE (Amur obl., Nizhne Amur obl., Magadan obl.); Asia: ?Mongolia.
- popoffi* ALEXANDER, 1934: Philipp. J. Sci., 52: 414 (*Tipula*). Type-locality: between Ayan and Nelkan, Tongi river valley, Yakutsk ASSR (USSR).
- hirtitergata altaica** SAVCHENKO, 1972: Ent. Obozr., 51: 86 (*Tipula*). Type-locality: Tarchat, Altai (USSR).—Distr.: USSR: WS (Altai).
- laterodentata** ALEXANDER, 1950: Ann. ent. Soc. Am., 43: 421 (*Tipula*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.
- miyadii** ALEXANDER, 1935: Philipp. J. Sci., 58: 220 (*Tipula*). Type-locality: lake Yoda, Paramushir, Kuril Is (USSR).—Distr.: USSR: ES (northeast), FE (Kuril Is).
- oklandi** ALEXANDER, 1922: Results Norw. Exped. Novaya Zemlya, 1921, 5: 8 (*Tipula*). Type-locality: Mashigin fjord, Novaya Zemlya (USSR).—Distr.: USSR: NET (Novaya Zemlya), WS (north), ES, FE (Magadan obl., Kamchatka, Kuril Is); Nearctic Region.

- ciliata* LUNDSTRÖM, 1915: Mém. Acad. Sci. Petersb., (8) 29(8): 32 (*Tipula*).
Type-locality: Walter bay, west Taymyr (USSR). [A junior primary homonym of *Tipula ciliata* MÜLLER, 1776.]
- [*alascaensis* ALEXANDER, 1923: North Am. Fauna, 46: 167 (*Tipula*). Type-locality: St George Is, Pribilof Is (USA).] [Synonymy not certain.]
- pudibunda** SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 329 (*Tipula*). Type-locality: Khamgen, Paiktusan (North Korea).—Distr.: Asia: North Korea.
- quadriloba** SAVCHENKO in SAVCHENKO and VIOLOVICH, 1967: Annls zool. Warsz., 25: 345 and 363 (*Tipula*). Type-locality: near Samag Altai, Tuva (USSR).—Distr.: USSR: WS (Altai, Tuva).
- rubicunda** SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 331 (*Tipula*). Type-locality: near Krasnoyarsk (USSR).—Distr.: USSR: WS (Altai, Tuva), ES (Krasnoyarskiy kray).
- salicetorum** SIEBKE, 1870: Nyt Mag. Naturvid., 17: 307 (*Tipula*). Type-localities: Nystuen; Vang (Norway).—Distr.: Europe: N, S (north), SF (north of 60°N); USSR: NET (north, Novaya Zemlya), WS (north, Tuva), ES (north); Asia: Mongolia.
- nigricornis* ZETTERSTEDT, 1851: Dipt. scand., 10: 3937 (*Tipula*). Type-locality: Scandinavia. [A junior primary homonym of *Tipula nigricornis* SCHRANK, 1803.]
- senex* HOLMGREN, 1883: Ent. Tidskr., 4: 185 (*Tipula*). Type-locality: Gåskap, Novaya Zemlya (USSR).
- stagnicola* HOLMGREN, 1883: Ent. Tidskr., 4: 185 (*Tipula*). Type-locality: Gåskap, Novaya Zemlya (USSR).

Subgenus BERINGOTIPULA SAVCHENKO, 1961

SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 471 (as subgenus of *Tipula* LINNAEUS, 1758).

Type-species: *Tipula unca* WIEDEMANN, 1817: Zool. Mag., Kiel, 1: 64 (orig. des.).

unca WIEDEMANN, 1817: Zool. Mag., Kiel, 1: 64 (*Tipula*). Type-locality: Holstein [D].—Distr.: Europe: widespread excl. south Balkan, incl. E (Pyrenees) and I (north); USSR: NET, CET, SET, TC, WS (west).

hortensis MEIGEN, 1818: Syst. Besch., 1: 178 (*Tipula*). Type-locality: not given (?near Stolberg [D]).

longicornis SCHUMMEL, 1833: Beitr. Ent., Breslau, 3: 32 (*Tipula*). Type-locality: Lissner Walde near Wrocław (Poland).

- unca amurensis** ALEXANDER, 1925: Proc. U.S. natn. Mus., **68**(4): 16 (*Tipula*).
Type-locality: Amagu, Kudia river, Siberia (USSR).—Distr.: USSR: WS (Altai, Tuva), ES, FE (incl. Sakhalin); Asia: Mongolia.

Subgenus DENDROTIPULA SAVCHENKO, 1964

SAVCHENKO, 1964: Fauna USSR, Dipt., **2**(4), (N.S.), 89: 458 (as subgenus of *Tipula* LINNAEUS, 1758).

Type-species: *Tipula flavolineata* MEIGEN, 1804: Klass. Besch., 1: 67 (orig. des.).

curvicauda ALEXANDER, 1923: Ann. ent. Soc. Am., **16**: 72 (*Tipula*). Type-locality: Kamikochi, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

dichroistigma ALEXANDER, 1920: Trans. Am. ent. Soc., **46**: 20 (*Tipula*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).

flavolineata MEIGEN, 1804: Klass. Besch., 1: 67 (*Tipula*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: widespread excl. AL, BG and GR, incl. E (north) and YU (Slovenia); USSR: CET (Li), SET (Uk), TC, SMA.

latevittata SCHUMMEL, 1833: Beitr. Ent., Breslau, **3**: 82 (*Tipula*). Type-locality: near Wrocław (Poland).

antennata SCHUMMEL, 1833: Beitr. Ent., Breslau, **3**: 83 (*Tipula*). Type-locality: near Wrocław (Poland).

longicornis CURTIS, 1834: Brit. Ent., **11**: 493 (*Tipula*). Type-locality: England (Great Britain).

fortistyla ALEXANDER, 1934: Philipp. J. Sci., **52**: 332 (*Tipula*). Type-locality: Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray, Kuril Is).

hoi ALEXANDER, 1936: Philipp. J. Sci., **60**: 180 (*Tipula*). Type-locality: Eastern Tombs, Hebei (China).—Distr.: Asia: China (Hebei).

isshikii ALEXANDER, 1921: Insecutor Inscit. menstr., **9**: 183 (*Tipula*). Type-locality: Teshio, Hokkaido (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido).

westwoodiana ALEXANDER, 1924: Philipp. J. Sci., **24**: 604 (*Tipula*). Type-locality: Shimizu, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).

Subgenus EMODOTIPULA ALEXANDER, 1966

ALEXANDER, 1966: Philipp. J. Sci., **94**: 244 (as subgenus of *Tipula* LINNAEUS, 1758).

Type-species: *Tipula marmoratipennis* BRUNETTI, 1912: Fauna Brit. India, Dipt., **1**: 319 (orig. des.); not Palaearctic.

- breviscapa** ALEXANDER, 1953: Philipp. J. Sci., **82**: 53 (*Tipula*, as subsp. of *naviculifer* ALEXANDER). Type-locality: Mt. Tsurugi, Nagoro, Awa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- holoteles** ALEXANDER, 1924: Ann. Mag. nat. Hist., (9) **14**: 464 (*Tipula*). Type-locality: Mt. Akagi, Kotsuke-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- multibarbata** ALEXANDER, 1935: Philipp. J. Sci., **55**: 133 (*Tipula*). Type-locality: Shorei (Korea).—Distr.: Asia: "Korea".
- multisetosa** ALEXANDER, 1935: Philipp. J. Sci., **56**: 539 (*Tipula*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- naviculifer** ALEXANDER, 1920: Trans. Am. ent. Soc., **46**: 16 (*Tipula*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu).
- obscuriventris** STROBL, 1900: Wien. ent. Ztg, **19**: 207 (*Tipula*, as var. of *saginata* BERGROTH). Type-locality: Sierra Aiscurre, northern Spain.—Distr.: Europe: A, BG, CH, CS, D, DDR, DK, E (north), F (Massif Central, Pyrenees), GR (central), I (incl. Sicily), PL, R, S, SF, YU (south); USSR: SET, TC (Arm); Asia: Turkey (northeast), Iran (north); North Africa: ?Morocco.
- saginata** BERGROTH, 1891: Mitt. naturf. Ges. Bern, **1891**: 137 (*Tipula*). Type-locality: Weissenburg (Switzerland).—Distr.: Europe: CH, I (north).
- shogun** ALEXANDER, 1921: Insecutor Inscit. menstr., **9**: 184 (*Tipula*). Type-locality: Teshio, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- submarmoratipennis** ALEXANDER, 1935: Philipp. J. Sci., **58**: 398 (*Tipula*). Type-locality: Upper Pulwar Nullah, Kashmir (India).—Distr.: USSR: SMA (east); Asia: Afghanistan (northeast); India (Kashmir).
- tenuiloba** ALEXANDER, 1971: Trans. Shikoku ent. Soc., **11**: 1 (*Tipula*). Type-locality: Mt. Amakazari, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

Subgenus FORMOTIPULA MATSUMURA, 1916

MATSUMURA, 1916: Thousand Ins. Japan, Add. **2**: 456 (as genus).

Type-species: *Formotipula holoserica* MATSUMURA, 1916: l.c.: 456 (orig. des.); not Palearctic.

- exusta** ALEXANDER, 1931: Philipp. J. Sci., **44**: 341 (*Tipula*). Type-locality: Mupin, Sichuan (China).—Distr.: Asia: China (Sichuan).
- friedrichi** ALEXANDER, 1935: Philipp. J. Sci., **57**: 105 (*Tipula*). Type-locality: Mt. Ginfu, Nanchuan district, Sichuan (China).—Distr.: Asia: China (Sichuan); China (Yunnan).
- [**hypopygialis** ALEXANDER, 1923: Bull. Mus. natn. Hist. nat. Paris, (1) **29**: 101 (*Tipula*). Type-locality: Guizhou (China).—Distr.: Asia: China (Guizhou).]

- kiangsuensis** ALEXANDER, 1939: Arkiv Zool., **30(B)**(6): 1 (*Tipula*). Type-locality: Jiangsu (China).—Distr.: Asia: China (Jiangsu).
- luteicorporis** ALEXANDER, 1933: Philipp. J. Sci., **50**: 133 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- [melanomera gracilispina** SAVCHENKO, 1960: Ent. Obozr., **39**: 888 (*Tipula*). Type-localities: several localities in Yunnan (China) (Lynlyn, Yunnan, China by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: Asia: China (Yunnan)].
- obliterata** ALEXANDER, 1923: Bull. Mus. natn. Hist. nat. Paris, (1) **29**: 102 (*Tipula*). Type-locality: Mupin, Sichuan (China).—Distr.: Asia: China (Sichuan).
- omeicola** ALEXANDER, 1935: Philipp. J. Sci., **57**: 104 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan); China (Yunnan).
- rufizona** EDWARDS, 1916: Ann. Mag. nat. Hist., (8) **18**: 260 (*Tipula*). Type-locality: Mt. Ginfu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- unirubra** ALEXANDER, 1935: Philipp. J. Sci., **57**: 197 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- vindex** ALEXANDER, 1940: Notes Ent. chin., **8**: 11 (*Tipula*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

Subgenus LABIOTIPULA ALEXANDER, 1965

- ALEXANDER, 1965: Pacif. Insects, **7**: 343 (as subgenus of *Tipula* LINNAEUS, 1758). Type-species: *Tipula macrolabis* LOEW, 1864: Berl. ent. Z., **8**: 58 (orig. des.).

- macrolabis** LOEW, 1864: Berl. ent. Z., **8**: 58 (*Tipula*). Type-locality: Hudsons Bay Territory (Canada).—Distr.: USSR: FE (Magadan obl., Kamchatka); Nearctic Region.

Subgenus LINDNERINA MANNHEIMS, 1965

- MANNHEIMS, 1965: Lounais-Hämeen Luonto, **20**: 3 (as subgenus of *Tipula* LINNAEUS, 1758, as new name for *Lindneria* MANNHEIMS, 1963, a junior homonym of *Lindneria* KRÖBER, 1929).

Type-species: *Tipula bistilata* LUNDSTRÖM, 1907: Acta Soc. Fauna Flora fenn., **29**(2): 13 (aut.).

- Lindneria* MANNHEIMS, 1963: Stuttg. Beitr. Naturk., No **102**: 10 (as subgenus of *Tipula* LINNAEUS, 1758). Type-species: *Tipula bistilata* LUNDSTRÖM, 1907: Acta Soc. Fauna Flora fenn., **29**(2): 13 (mon.).

- bistilata** LUNDSTRÖM, 1907: Acta Soc. Fauna Flora fenn., 29(2): 13 (*Tipula*).
Type-localities: Muonio; Uleåborg (Finland).—Distr.: Europe: Alps, GB (Scotland), S, SF; USSR: NET, CET (west), WS (north).
- bistilata lundstroemiana** ALEXANDER, 1934: Philipp. J. Sci., 52: 420 (*Tipula*).
Type-locality: Beitonovo station, Amur river (USSR).—Distr.: USSR: ES (east), FE (incl. Kamchatka, Sakhalin); Asia: Mongolia.
- bistilata rectangularis** SAVCHENKO, 1966: Entomofauna Lesov, Moscow, 1966: 93 (*Tipula*). Type-locality: not given (Magadan obl., USSR, by lecto-type des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: FE (Magadan obl.).
- dershavini** ALEXANDER, 1934: Philipp. J. Sci., 52: 423 (*Tipula*). Type-locality: Kljuchevskoye village, Kamchatka (USSR).—Distr.: USSR: WS (Altai), ES (Yakutsk ASSR), FE; Asia: Mongolia.
- illinoiensis** ALEXANDER, 1915: Insecutor Inscit. menstr., 3: 128 (*Tipula*, as new name for *Tipula versicolor* LOEW, 1863, a junior primary homonym of *Tipula versicolor* GMELIN, 1790).—Distr.: USSR: FE (Magadan obl.); Asia: "Korea"; Nearctic Region.
- subexcisa** LUNDSTRÖM, 1907: Acta Soc. Fauna Flora fenn., 29(2):14 (*Tipula*).
Type-localities: Peltotunturi; Muonio (Finland).—Distr.: Europe: N, S, SF; USSR: NET (Murmansk obl.), WS (Altai, Tuva), ES (Irkutsk obl.), FE (Magadan obl., Kamchatka); Asia: Mongolia.

Subgenus LUNATIPULA EDWARDS, 1931

EDWARDS, 1931: Ann. Mag. nat. Hist., (10) 8: 81 (as subgenus of *Tipula* LINNAEUS, 1758).

Type-species: *Tipula lunata* LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (orig. des.).

- absconsa** ALEXANDER, 1934: Arkiv Zool., 27(A)(17): 12 (*Tipula*). Type-locality: Drakana, Gansu (China).—Distr.: Asia: China (Gansu).
- acudens** THEISCHINGER, 1977: Beaufortia, 26: 8 (*Tipula*). Type-locality: Maras Göksun, Antitaurus (Turkey).—Distr.: Asia: Turkey (Maras).
- acuminata** STROBL, 1900: Wien. ent. Ztg, 19: 211 (*Tipula*). Type-localities: Sierra Morena; Madrid (Spain).—Distr.: Europe: E.
- adapazariensis** THEISCHINGER, 1987: Beaufortia, 37: 116 (*Tipula*). Type-locality: N Tarakli, 40°26'N/30°28'E (Turkey).—Distr.: Asia: Turkey (Adapazari).
- adusta** SAVCHENKO, 1954: Trudy zool. Inst., Leningr., 15: 182 (*Tipula*). Type-locality: between 65°13'N and 65°19'N along 119°10'E, Yakutsk ASSR (USSR).—Distr.: Europe: Alps; USSR: KZ, WS (south), ES (south, east); Asia: Mongolia.

- adusta lucistriata** MANNHEIMS et SAVCHENKO, 1967: Reichenbachia, **9**: 152 (*Tipula*). Type-locality: Gurban Sajchan ul., 30 km S Somon Bulgan, Südgobi Aimak (Mongolia).—Distr.: Asia: Turkey (İçel, Kars), Mongolia.
- adzharolivida** SAVCHENKO, 1968: Ent. Obozr., **47**: 917 (*Tipula*). Type-locality: near Kobuleti, Adzharsk ASSR (USSR: Ge).—Distr.: USSR: TC (Ge).
- affinis** SCHUMMEL, 1833: Beitr. Ent., Breslau, **3**: 97 (*Tipula*). Type-locality: near Wrocław (Poland).—Distr.: Europe: A, CH (northeast), CS, D (Allgäu), DDR, N, PL, S, SF; USSR: NET, CET (west), SET (Uk), TC, KZ, WS (south).
- albostriata** STROBL in CZERNY and STROBL, 1909: Verh. zool.-bot. Ges. Wien, **59**: 138 (*Tipula*). Type-locality: Monistrol (Spain).—Distr.: Europe: E.
- alpina** LOEW, 1873: Besch. europ. Dipt., **3**: 28 (*Tipula*). Type-locality: Kärnter Alps (Austria).—Distr.: Europe: A, B, CH, CS, D, F (Massif Central), GB, H, I, N (south), R (south Carpathians), S (south), YU (Croatia).
- brevispina* PIERRE, 1920: Bull. Soc. ent. Fr., **1920**: 163 (*Tipula*). Type-locality: St. Cyr (France).
- ampliata** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 394 (*Tipula*). Type-locality: Gokanoshō, Higo-no-kuni, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- ampullifera** MANNHEIMS, 1965: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 195 (*Tipula*). Type-locality: Albarracín (Spain).—Distr.: Europe: E.
- angela** MANNHEIMS, 1963: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 164 (*Tipula*). Type-locality: Becharré (Lebanon).—Distr.: Asia: Lebanon, Israel.
- angelica** THEOWALD, 1957: Tijdschr. Ent., **100**: 253 (*Tipula*). Type-locality: Israel. —Distr.: Asia: Syria, Lebanon, Israel.
- anicilla** MANNHEIMS, 1967: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 259 (*Tipula*). Type-locality: Hum, Herzegovina (Yugoslavia).—Distr.: Europe: YU.
- animula** MANNHEIMS, 1967: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 258 (*Tipula*). Type-locality: Glogosnica, Herzegovina (Yugoslavia).—Distr.: Europe: GR (north), YU.
- annulicornuta** ALEXANDER, 1922: Insecutor Inscit. menstr., **10**: 188 (*Tipula*). Type-locality: Gifu, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- anthe** MANNHEIMS, 1968: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 308 (*Tipula*). Type-locality: Lamia-Karpenision, southern slopes, Tymphristos (Greece). —Distr.: Europe: GR (central).
- antichasia** THEISCHINGER, 1979: Beaufortia, **29**: 276 (*Tipula*). Type-locality: Agiophyllon, Antichasia Mts (Greece).—Distr.: Europe: BG, GR.
- antilope** THEISCHINGER, 1977: Beaufortia, **26**: 17 (*Tipula*). Type-locality: 22 km N Sanandaj (Iran).—Distr.: Asia: Turkey (Hakkari), Iran (west).
- aphrodite** MANNHEIMS, 1963: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 169 (*Tipula*). Type-locality: Kalavryta, Peloponnisos (Greece).—Distr.: Europe: GR (south).
- ariadne** MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, **1**: 169 (*Tipula*). Type-locality: near lake Stimphalías, Peloponnisos (Greece).—Distr.: Europe: GR (south).

- arnoldii** SAVCHENKO, 1957: Zool. Zh., **36**: 1496 (*Tipula*). Type-locality: 8 km east Novorossiysk, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (south), TC (Ge).
- artemis** THEISCHINGER, 1977: Beaufortia, **26**: 10 (*Tipula*). Type-locality: Pyrgos, Samos (Greece).—Distr.: Europe: GR (central, Ikaria, Khios, Samos).
- artemis asiae minoris** THEISCHINGER, 1982: Beaufortia, **32**: 80 (*Tipula*). Type-locality: Nazilli-Beydag, Aydin (Turkey).—Distr.: Asia: Turkey (west).
- astigma** SAVCHENKO, 1968: Ent. Obozr., **47**: 932 (*Tipula*). Type-locality: Baturavli, Adzhar ASSR (USSR: Ge).—Distr.: USSR: TC (Ge).
- auriculata** MANNHEIMS, 1963: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 158 (*Tipula*). Type-locality: Sendschirli (Syria) [= Samal (Turkey)].—Distr.: Asia: Turkey (Adana).
- aurita** RIEDEL, 1920: Zool. Jb. Syst., **43**: 20 (*Tipula*). Type-locality: lake Gök-Göl, Elisavetpol district (USSR).—Distr.: USSR: SET (south), TC.
- bactridica** SAVCHENKO, 1954: Dokl. Akad. Nauk Tadzhik SSR, **12**: 51 (*Tipula*). Type-locality: Tajik SSR (USSR).—Distr.: USSR: SMA (Tj); Asia: Afghanistan (north).
- balearica** MANNHEIMS, 1968: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 305 (*Tipula*). Type-locality: Camp de Mar, Mallorca (Spain).—Distr.: Europe: E (Mallorca, Albacete).
- beieri** MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, **1**: 172 (*Tipula*). Type-locality: Sivros, Levkas (Greece).—Distr.: Europe: GR (Kefallinia, Levkas).
- berytia** MANNHEIMS, 1963: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 158 (*Tipula*). Type-locality: Beirut (Lebanon).—Distr.: Asia: Lebanon, Israel.
- bezzii** MANNHEIMS et THEOWALD, 1959: Memorie Soc. ent. ital., **38**: 43 (*Tipula*). Type-locality: Torino (Italy).—Distr.: Europe: CH (south), F (south), I (north).
- biaculeata** ALEXANDER, 1949: Ann. Mag. nat. Hist., (12) **2**: 525 (*Tipula*). Type-locality: south Shaanxi (China).—Distr.: USSR: FE (Amur obl.); Asia: China (Shaanxi).
- bifasciculata** LOEW, 1873: Besch. europ. Dipt., **3**: 18 (*Tipula*). Type-localities: Istria; Dalmatia (Yugoslavia) (Dubrovnik, Yugoslavia, by lectotype des. of MANNHEIMS, 1967).—Distr.: Europe: YU.
- obscura* STROBL, 1898: Glasn. zemelj. Mus. Bosni Herceg., **10**: 605 (*Tipula*, as var. of *bifasciculata*). Type-locality: Mostar (Yugoslavia).
- bimacula** THEOWALD, 1980: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 516 (*Tipula*, as new name for *Tipula bimaculata* RIEDEL, 1913, a junior primary homonym of *Tipula bimaculata* LINNAEUS, 1761).—Distr.: Europe: AL, E (Soria, Cuenca), GR (incl. Kefallinia, Kerkira, Lesvos, Zakynthos), I (incl. Sicily); Asia: ?Turkey (?Antalya), ?Iran.
- bimaculata* RIEDEL, 1913: Abh. Ver. naturw. Erforsch. Niederrheins (Bezirksgr. d. Lehrerver. Naturk.), Krefeld, **1**: 105 (*Tipula*). Type-locality: Sicily (Italy).

- bispina** LOEW, 1873: Berl. ent. Z., **17**: 34 (*Tipula*). Type-locality: not given (1873: Besch. europ. Dipt., **3**: 17: Baile Herculane, Roumania).—Distr.: Europe: AL, BG, GR, I (Trieste), R, YU; USSR: SET (Mo).
- bivittata** PIERRE, 1921: Bull. Soc. Sci. nat. Maroc, **1**: 23 (*Tipula*). Type-localities: Mamora forest between Kénitra and l'Oued Beth; Dradek near Rabat (Morocco).—Distr.: North Africa: Morocco.
- borysthenica** SAVCHENKO, 1954: Zbirn. Prats zool. Mus., Kiev, **26**: 90 (*Tipula*). Type-locality: not given (Krasnoarmeysk near Volgograd, USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: Europe: A, AL, CS, GR (north), YU (Macedonia); USSR: SET; Asia: Turkey (Konya).
- brinki** THEISCHINGER, 1987: Beaufortia, **37**: 101 (*Tipula*). Type-locality: Palazdagı, Antalya (Turkey).—Distr.: Asia: Turkey (Antalya).
- buchholzi** MANNHEIMS et THEOWALD, 1959: Memorie Soc. ent. ital., **38**: 45 (*Tipula*). Type-locality: Cerignola Campagna (Italy).—Distr.: Europe: I.
- bulbosa** MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, **1**: 162 (*Tipula*). Type-locality: lake Stymphalias, Peloponnisos (Greece).—Distr.: Europe: GR.
- bullata** LOEW, 1873: Besch. europ. Dipt., **3**: 25 (*Tipula*). Type-localities: Kärnten; Steiermark (Austria).—Distr.: Europe: mountains in A, B, CH, CS, D, DDR, F, H, I (not in Pyrenees, Apennines and Carpathians).
- canariensis** THEISCHINGER, 1979: Beaufortia, **28**: 136 (*Tipula*). Type-locality: between Haria and Maguez, Lanzarote (Canary Is).—Distr.: Canary Is (Lanzarote).
- canakkalensis** THEISCHINGER, 1987: Beaufortia, **37**: 102 (*Tipula*). Type-locality: near Kirazlı, 40°02'N/26°44'E (Turkey).—Distr.: Asia: Turkey (Canakkale).
- capra** THEISCHINGER, 1980: Beaufortia, **30**: 25 (*Tipula*). Type-locality: Fago del Soldato, Sila Grande, Calabria (Italy).—Distr.: Europe: I.
- capreola** MANNHEIMS, 1966: Beitr. Ent., **16**: 498 (*Tipula*). Type-locality: Elbasan (Albania).—Distr.: Europe: AL, GR, YU.
- carens** THEISCHINGER, 1987: Beaufortia, **37**: 110 (*Tipula*). Type-locality: Termessos, 37°00'N/30°28'E (Turkey).—Distr.: Asia: Turkey (Antalya).
- cassiope** MANNHEIMS, 1966: 15. Tipulidae, Fliegen par. Reg., **3**(5)1: 241 (*Tipula*). Type-locality: Marathea near Gythion (Greece).—Distr.: Europe: GR (south).
- caucasica** RIEDEL, 1920: Zool. Jb. Syst., **43**: 17 (*Tipula*). Type-locality: Mts'chet prope Tiflis (USSR: Ge).—Distr.: USSR: TC (Ge).
- caudatula** LOEW, 1862: Berl. ent. Z., **6**: 72 (*Tipula*). Type-locality: not given (Greece) ("Morea merid. Kambos. Taygetos", Peloponnisos, Greece, by neotype des. of MANNHEIMS, 1966).—Distr.: Europe: AL, GR (incl. Kithira, Siros), YU (Macedonia).
- caudispina** PIERRE, 1921: Bull. Soc. ent. Fr., **1921**: 49 (*Tipula*, as new name for *Tipula spinicauda* PIERRE, 1919, a junior primary homonym of *Tipula spinicauda* ALEXANDER, 1919).—Distr.: Europe: GR, YU (Macedonia).

- spinicauda* PIERRE, 1919: Bull. Mus. natn. Hist. nat. Paris, **25**: 613 (*Tipula*).
Type-locality: Thessaloniki (Greece).
- caudispina parnonensis* THEISCHINGER, 1979: Beaufortia, **29**: 296 (*Tipula*).
Type-locality: Paron, Peloponnisos (Greece).—Distr.: Europe: GR (south).
- cava* RIEDEL, 1913: Abh. Ver. naturw. Erforsch. Niederrheins (Bezirksgr. d. Lehrerver. Naturk.), Krefeld, **1**: 89 (*Tipula*). Type-localities: Hülser Bruch [D]; Rügenwalde [DDR]; Thüringen (Austria); The Netherlands (Hilversum, The Netherlands, by lectotype des. of MANNHEIMS, 1963).—Distr.: Europe: A, B, CS, D, DDR, DK, E, F, GB, L, NL, S (south).
- cedrophila* MANNHEIMS, 1963: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 150 (*Tipula*). Type-locality: Cedern near Becharré (Lebanon).—Distr.: Europe: GR (Rodhos); Asia: Turkey (Bilecik), Lebanon, Israel.
- cerva* MANNHEIMS et THEOWALD, 1959: Memorie Soc. ent. ital., **38**: 34 (*Tipula*).
Type-locality: Corsica (France).—Distr.: Europe: F (Corsica), I, YU (Krak).
- cervula* MANNHEIMS et THEOWALD, 1959: Memorie Soc. ent. ital., **38**: 34 (*Tipula*). Type-locality: Sila Grande, Calabria (Italy).—Distr.: Europe: I (south).
- charybdis* THEISCHINGER, 1979: Beaufortia, **28**: 130 (*Tipula*). Type-locality: Biviere de Cesaro, Sicily (Italy).—Distr.: Europe: I (south incl. Sicily).
- chelifera* SAVCHENKO, 1964: Fauna USSR, Dipt., **2(4)**, (N.S.), 89: 361 (*Tipula*).
Type-locality: Glola (USSR: Ge).—Distr.: USSR: TC (Ge); Asia: Turkey (northeast).
- chernavini* ALEXANDER, 1934: Philipp. J. Sci., **52**: 430 (*Tipula*). Type-locality: Osemaya, mouth of Amur river (USSR).—Distr.: USSR: FE (Khabarovskiy kray).
- chloris* SAVCHENKO in SAVCHENKO and SAGDIYEVA, 1972: Dopov. Akad. Nauk ukr. RSR, **1972**: 84 (*Tipula*). Type-locality: Sikhote-Alin state reserve, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- christophi* THEISCHINGER, 1982: Beaufortia, **32**: 86 (*Tipula*). Type-locality: N Birgi, Ödemiş, Izmir (Turkey).—Distr.: Europe: GR (Samos); Asia: Turkey (Izmir).
- cinerascens* LOEW, 1873: Besch. europ. Dipt., **3**: 35 (*Tipula*). Type-locality: Trieste (Italy) (invalid lectotype des. from Dubrovnik, Yugoslavia, by MANNHEIMS, 1966).—Distr.: Europe: ?CS, I (Trieste), YU.
- cinereicolor* PIERRE, 1924: Encycl. ent. (B II) Dipt., **1**: 92 (*Tipula*). Type-locality: Haut Imminen, High Atlas (Morocco).—Distr.: Europe: E; North Africa: Morocco.
- conchifera* MANNHEIMS, 1968: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 309 (*Tipula*). Type-locality: Albarracin (Spain).
- cinerella* PIERRE, 1919: Bull. Mus. natn. Hist. nat. Paris, **25**: 614 (*Tipula*). Type-locality: Monastir [= ?Bitola] (Yugoslavia).—Distr.: Europe: GR (north), YU; Asia: Turkey (Antalya, Isparta, Konya).

- circe** MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, 1: 168 (*Tipula*). Type-locality: Kandia, Crete (Greece).—Distr.: Europe: GR (Crete).
- circumdata** SIEBKE, 1863: Nyt Mag. Naturvid., 12: 182 (*Tipula*). Type-localities: several localities in Norway.—Distr.: Europe: Alps, N, R, S, SF; USSR: NET, CET (Est), SET (Uk), WS (south), ES (south).
- fidelis** ALEXANDER, 1934: Philipp. J. Sci., 52: 436 (*Tipula*). Type-locality: between Ayan and Nelkan, sources of Ignitjana river, Yakutsk ASSR (USSR). [Synonymy not certain.]
- clio** MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, 1: 165 (*Tipula*). Type-locality: Oiti Mts (Greece).—Distr.: Europe: AL, GR (central), YU (Crna Gora, Macedonia).
- cornicula** PIERRE, 1921: Bull. Soc. Sci. nat. Maroc, 1: 149 (*Tipula*). Type-locality: near Cirque d'Arround, High Atlas (Morocco) (Tachdirt, High Atlas, Morocco, by neotype des. of THEOWALD, 1971).—Distr.: North Africa: Morocco.
- cressa** MANNHEIMS, 1965: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 184 (*Tipula*). Type-locality: Mt. Agion Pneuma, White Mts, Crete (Greece).—Distr.: Europe: GR (Crete, Rodhos).
- cretis** MANNHEIMS, 1965: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 194 (*Tipula*). Type-locality: near Chanea, Crete (Greece).—Distr.: Europe: BG, GR (incl. Crete, Dhilos, Kerkira, Levkas, Siros), I (south).
- ctenura** SAVCHENKO, 1952: Trudy zool. Inst., Leningr., 12: 321 (*Tipula*). Type-locality: Maykop, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (south-east).
- curvata** THEISCHINGER, 1977: Beaufortia, 26: 4 (*Tipula*). Type-locality: Hacin Dagı, Mittlerer Taurus [= ?near Saimbeyli] (Turkey).—Distr.: Asia: Turkey (Adana).
- curvispina** SAVCHENKO, 1954: Trudy zool. Inst., Leningr., 15: 190 (*Tipula*). Type-locality: Bukhara (USSR: Uz).—Distr.: USSR: KZ (south), SMA (east).
- cypris** MANNHEIMS, 1963: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 156 (*Tipula*). Type-locality: Para Pedi (Cyprus).—Distr.: Europe: CY, GR (Rodhos).
- danieli** SIMOVA-TOŠIĆ, 1972: Zast. Bilja, 23: 336 (338) (*Tipula*). Type-locality: Durmitor, Crno Jezero, Crna Gora (Yugoslavia).—Distr.: Europe: YU (south-east half).
- decolor** MANNHEIMS, 1963: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 159 (*Tipula*). Type-locality: Dobrogea (Roumania).—Distr.: Europe: R (Dobrogea); Asia: Turkey (northwest).
- dedecor** LOEW, 1873: Besch. europ. Dipt., 3: 31 (*Tipula*). Type-locality: ?Kerkira (Greece; holotype apparently wrongly labelled Corfu).—Distr.: Europe: GR (Kos, Samos, ?Kerkira).
- deserticola** SAVCHENKO, 1968: Ent. Obozr., 47: 919 (*Tipula*). Type-locality: Lerik district (USSR: Az).—Distr.: USSR: TC (southeast).
- didymotes** THEISCHINGER, 1977: Beaufortia, 26: 17 (*Tipula*). Type-locality: Ararat, Kars (Turkey).—Distr.: Asia: Turkey (east).

- dolores** MANNHEIMS, 1967: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 265 (*Tipula*). Type-locality: 34 km S Alcaez (Spain).—Distr.: Europe: E (south).
- dolosa** ALEXANDER, 1934: Arkiv Zool., 27(A)(17): 9 (*Tipula*). Type-locality: Kung-tze-tagga, Tsaluk valley, Min Mts, Gansu (China).—Distr.: Asia: China (Gansu), Mongolia.
- dorica** MANNHEIMS, 1965: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 205 (*Tipula*, as subsp. of *pelio stigma* SCHUMMEL). Type-locality: Lefka ori, Askifu, Crete (Greece).—Distr.: Europe: GR (Crete).
- dracula** THEISCHINGER, 1977: Beaufortia, 26: 24 (*Tipula*). Type-locality: 2 km N Fitá, Khios (Greece).—Distr.: Europe: GR (Khios, Kos); Asia: Turkey (west of 32°E).
- dumetorum** SAVCHENKO, 1964: Fauna USSR, Dipt., 2(4), (N.S.), 89: 388 (*Tipula*). Type-locality: Ordzhonikidze (USSR: Ge).—Distr.: USSR: TC (Ge).
- emmahelene** THEISCHINGER, 1980: Beaufortia, 30: 21 (*Tipula*). Type-locality: Namrun, İçel (Turkey).—Distr.: Asia: Turkey (İçel).
- engeli** THEOWALD, 1957: Tijdschr. Ent., 100: 253 (*Tipula*). Type-locality: Prioni, Olympus (Greece).—Distr.: Europe: AL, E, GR, I, YU.
- erato** MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, 1: 179 (*Tipula*). Type-locality: lake Stimphalias, Peloponnisos (Greece).—Distr.: Europe: GR.
- erectispina** SAVCHENKO, 1954: Trudy Zoomus. KDU, 4: 121 (*Tipula*). Type-locality: not given (Udinsk, Khabarovskiy kray, USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: ES (southeast), FE.
- eugeniana** SIMOVA-TOŠIĆ, 1972: Zast. Bilja, 23: 333 and 337 (*Tipula*). Type-locality: Mavrovo, Macedonia (Yugoslavia).—Distr.: Europe: GR, YU; USSR: TC (Ge).
- euterpe** THEISCHINGER, 1979: Beaufortia, 28: 124 (*Tipula*). Type-locality: Stehni, Euboea (Greece).—Distr.: Europe: GR (central).
- eyndhoveni** THEOWALD, 1972: Ent. Ber., Amst., 32: 4 (*Tipula*). Type-locality: Teniet el Haad (Algeria).—Distr.: North Africa: Algeria.
- fabiola** MANNHEIMS, 1968: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 298 (*Tipula*). Type-locality: Rio Magana, Sierra Morena (Spain).—Distr.: Europe: E; North Africa: Morocco.
- falcata** RIEDEL, 1913: Abh. Ver. naturw. Erforsch. Niederrheins (Bezirksgr. d. Lehrerver. Naturk.), Krefeld, 1: 96 (*Tipula*). Type-locality: Sondrio (Italy).—Distr.: Europe: CH (south), I.
- fascicula** MANNHEIMS, 1966: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 254 (*Tipula*). Type-locality: Raduc., Croatia (Yugoslavia; not Raducaneni in Roumania).—Distr.: Europe: YU (Croatia, Crna Gora).
- fascingulata** MANNHEIMS, 1966: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 251 (*Tipula*, as new name for *Tipula fasciculata* RIEDEL, 1913, a junior primary homonym of *Tipula fasciculata* FABRICIUS, 1782).—Distr.: Europe: A, AL, BG, CH (south), CS, H, GR, I, YU.

- fasciculata* RIEDEL, 1913: Abh. Ver. naturw. Erforsch. Niederrheins (Beziksg. d. Lehrerver. Naturk.), Krefeld, 1: 103 (*Tipula*). Type-localities: Chiesa; Merigio (Italy) (the latter by lectotype des. of MANNHEIMS, 1966).
- fascipennis* MEIGEN, 1818: Syst. Besch., 1: 187 (*Tipula*). Type-locality: Harz (Germany).—Distr.: Europe: widespread excl. north Fennoscandia, I and south Balkan; USSR: NET, CET, SET, TC.
- finitima* ALEXANDER, 1934: Arkiv Zool., 27(A)(17): 10 (*Tipula*). Type-locality: Drakana, Gansu (China).—Distr.: Asia: China (Gansu).
- flabellifera* SAVCHENKO, 1954: Trudy zool. Inst., Leningr., 15: 188 (*Tipula*). Type-locality: Chimgan (USSR: Uz).—Distr.: USSR: KZ (south), SMA (south).
- flaccida* ALEXANDER, 1934: Philipp. J. Sci., 52: 422 (*Tipula*). Type-locality: Volo bay, Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: ES (Baikal), FE (south, incl. Kamchatka); Asia: Mongolia.
- forcipula* MANNHEIMS, 1966: Bonn. zool. Beitr., 17: 265 (*Tipula*, as new name for *Tipula forcipata* MANNHEIMS et THEOWALD, 1959, a junior primary homonym of *Tipula forcipata* FABRICIUS, 1775).—Distr.: Europe: I.
- forcipata* MANNHEIMS et THEOWALD, 1959: Memorie Soc. ent. ital., 38: 36 (*Tipula*). Type-locality: Monte Sparviere, Sila Greca (Italy).
- franzressli* THEISCHINGER, 1982: Beaufortia, 32: 80 (*Tipula*). Type-locality: Sakar-Gecidi, 18 km S Mugla (Turkey).—Distr.: Asia: Turkey (Mugla).
- freidbergi* THEOWALD et OOSTERBROEK, 1987: Israel J. Ent., 20: 75 (*Tipula*). Type-locality: Wadi Kelt (Israel).—Distr.: Asia: Israel.
- fulminis* ALEXANDER, 1945: Trans. R. ent. Soc. Lond., 95: 239 (*Tipula*). Type-locality: Puksu Pyaksan, Kankyo Nando (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- furcula* MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, 1: 160 (*Tipula*). Type-localities: Iven region; SE Monastir [= ?Bitola] (Yugoslavia).—Distr.: Europe: GR (north, Khios, Kos, Mikonos, Rodhos), YU; Asia: Turkey (west of 32°E).
- furiosa* ALEXANDER, 1941: Philipp. J. Sci., 73: 398 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- fuscicosta* MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, 1: 177 (*Tipula*). Type-locality: Kula Ljums (Albania).—Distr.: Europe: AL, GR, R (south Carpathians), YU.
- gallaeca* EIROA-ALVAREZ, 1989: Nouv. Revue Ent. (N.S.), 6: 37 (*Tipula*). Type-locality: Brego, Serra de Os Ancares, Lugo (Spain).—Distr.: Europe: E (Galicia).
- geja* SAVCHENKO, 1968: Ent. Obozr., 47: 929 (*Tipula*). Type-locality: Khertvisi (USSR: Ge).—Distr.: USSR: TC (Ge).
- gelensis* LOI, 1971: Boll. Sed. Accad. gioenia Sci. nat. Catania, (4) 11: 135 (*Tipula*). Type-locality: Dune di Gela, Caltanissetta, Sicily (Italy).—Distr.: Europe: I (Sicily).

- gibbifera** STROBL, 1906: Mems R. Soc. esp. Hist. nat., 3: 409 (*Tipula*). Type-locality: Malgrat (Spain).—Distr.: Europe: E, F (south).
- adepts** RIEDEL, 1913: Abh. Ver. naturw. Erforsch. Niederrheins (Bezirksgr. d. Lehrerver. Naturk.), Krefeld, 1: 109 (*Tipula*). Type-locality: Spain.
- gondattii** ALEXANDER, 1934: Philipp. J. Sci., 52: 427 (*Tipula*). Type-locality: Nikolayevsk, Amur river (USSR).—Distr.: USSR: FE (south, incl. Sakhalin and Kuril Is).
- graeca** OOSTERBROEK et VUKOVIĆ, 1989: Ent. Ber., Amst., 49: 97 (*Tipula*). Type-locality: Mt. Pendelikon, Athens (Greece).—Distr.: Europe: GR.
- graeca dufouri** OOSTERBROEK et VUKOVIĆ, 1989: Ent. Ber., Amst., 49: 97 (*Tipula*). Type-locality: Drongarati, Kefallinia (Greece).—Distr.: Europe: GR (south, incl. Kerkira, Kefallinia, Kithira).
- graecolivida** MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, 1: 176 (*Tipula*). Type-locality: near Levadia (Greece).—Distr.: Europe: BG, GR (incl. Zakynthos, Crete).
- griesheimae** MANNHEIMS et THEOWALD, 1959: Memorie Soc. ent. ital., 38: 41 (*Tipula*). Type-locality: Ragala, southern slopes of Etna, Sicily (Italy).—Distr.: Europe: I (Sicily).
- handschini** MANNHEIMS, 1967: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 284 (*Tipula*). Type-locality: Follaterres (Switzerland).—Distr.: Europe: CH (south-west), I.
- harmonia** MANNHEIMS, 1966: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 241 (*Tipula*). Type-locality: Asteri near Skala, Elos (Greece).—Distr.: Europe: GR (south).
- helvola** LOEW, 1873: Berl. ent. Z., 17: 34 (*Tipula*). Type-locality: not given (1873: Besch. europ. Dipt., 3: 3: near Dubrovnik (Yugoslavia), Tarvisio (Italy), Mehadia (Roumania) (the first by lectotype des. of MANNHEIMS, 1967)).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, E (north), F, GB, GR (incl. Crete, Kefallinia, Kerkira, Lesbos, Samos, Samothraki, Zakynthos), H, I (north), L, NL, R, YU; USSR: SET (Uk); Asia: Turkey (west of 32°E), Israel.
- hera** THEISCHINGER, 1979: Beaufortia, 29: 300 (*Tipula*). Type-locality: Kanalon, Olympus (Greece).—Distr.: Europe: BG, GR (central), YU (Macedonia).
- hermes** THEISCHINGER, 1977: Beaufortia, 26: 30 (*Tipula*). Type-locality: N of Guezane (Morocco).—Distr.: North Africa: Morocco.
- heros** EGGER, 1863: Verh. zool.-bot. Ges. Wien, 13: 1102 (*Tipula*). Type-locality: Küstenland, Oesterreich [= NE Italy].—Distr.: Europe: ?BG, AL, CH (Ticino), GR (north, central), ?H, I (northeast), R (southwest), YU.
- macrocauda** PIERRE, 1926: Encycl. ent. (B II) Dipt., 3: 14 (*Tipula*). Type-locality: Saripazar [Macedonia] (Yugoslavia).
- leandros** ERHAN-DINČÁ, 1976: Studii Cerc. Biol., Ser. Biol. Anim., 28: 18 (*Tipula*). Type-locality: Motru valley, Gorj district (Roumania).
- hirsuticauda** PIERRE, 1925: Encycl. ent. (B II) Dipt., 2: 7 (*Tipula*). Type-locality: Aïn-Draham region (Tunisia).—Distr.: North Africa: Tunisia.

- hispanolivida** MANNHEIMS, 1968: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 304 (*Tipula*). Type-locality: Sierra de Guadarrama (Spain).—Distr.: Europe: E.
- holzschuhi** THEISCHINGER, 1977: Beaufortia, 26:11 (*Tipula*). Type-locality: 50 km S Calus (Iran).—Distr.: Asia: Iran (north).
- horsti** THEISCHINGER, 1982: Beaufortia, 32: 81 (*Tipula*). Type-locality: Celticki-Gecidi, Burdur (Turkey).—Distr.: Asia: Turkey (southwest).
- huberti** THEISCHINGER, 1982: Beaufortia, 32: 82 (*Tipula*). Type-locality: NW Arif, Finike-Elmali, Antalya (Turkey).—Distr.: Asia: Turkey (Antalya).
- humilis** STAEGER, 1840: Naturh. Tidsskr., 3: 18 (*Tipula*). Type-locality: Charlottenlund (Denmark).—Distr.: Europe: CS, DK, S, SF; USSR: NET (southwest), CET (Est, Li), SET (Kiev), TC, WS (Altai).
- hybrida** SAVCHENKO, 1952: Trudy zool. Inst., Leningr., 12: 339 (*Tipula*). Type-locality: Bartas at Araks river (USSR: Az) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: TC (Az).
- hybrida altivolans** SAVCHENKO, 1971: Zbirn. Prats zool. Mus., Kiev, 34: 57 (*Tipula*, as new name for *Tipula hybrida alticola* SAVCHENKO, 1964, a junior primary homonym of *Tipula alticola* ALEXANDER, 1915).—Distr.: USSR: TC (Ge).
- alticola* SAVCHENKO, 1964: Fauna USSR, Dipt., 2(4), (N.S.), 89: 345 (*Tipula*). Type-locality: Uceri (USSR: Ge).
- hypoalvata** ALEXANDER, 1936: Philipp. J. Sci., 58: 400 (*Tipula*). Type-locality: Sind valley, Kashmir (India).—Distr.: Asia: Afghanistan (east); India (Kashmir).
- naso* THEISCHINGER, 1979: Bull. zool. Mus. Univ. Amsterdam, 16: 146 (*Tipula*). Type-locality: Kamu, Bashgal, Nuristan (Afghanistan).
- hyrcana** SAVCHENKO, 1973: Zbirn. Prats zool. Mus., Kiev, 35: 32 (*Tipula*). Type-locality: near Lerik (USSR: Az).—Distr.: USSR: TC (Az).
- iberica** MANNHEIMS, 1963: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 144 (*Tipula*). Type-locality: Almoraima, Andalusia (Spain).—Distr.: Europe: E, I (south incl. Sicily); North Africa: Morocco (Rif, Middle Atlas).
- iberica spinula** THEISCHINGER, 1980: Beaufortia, 30: 17 (*Tipula*). Type-locality: N Oukaimeden, High Atlas (Morocco).—Distr.: North Africa: Morocco (High Atlas).
- iliensis** MANNHEIMS, 1965: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 192 (*Tipula*). Type-locality: Hacin Dagı, mittlerer Taurus [= ?near Saimbeyli] (Turkey).—Distr.: Asia: Turkey (Adana, Içel).
- imbecilla** LOEW, 1869: Besch. europ. Dipt., 1: 9 (*Tipula*). Type-locality: Rodhos (Greece).—Distr.: Europe: GR (Rodhos).
- interrita** ALEXANDER, 1938: Philipp. J. Sci., 66: 449 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- istriana** ERHAN et THEOWALD, 1961: Ent. Ber., Amst., 21: 248 (*Tipula*). Type-locality: Canaraua fetii, Baneasa forest, Dobrogea (Roumania).—Distr.: Europe: BG, GR (Lesvos), R (Dobrogea); Asia: Turkey (west of 32°E).

- jativensis** STROBL in CZERNY and STROBL, 1909: Verh. zool.-bot. Ges. Wien, 59: 137 (*Tipula*). Type-locality: Jativa (Spain).—Distr.: Europe: E (Valencia).
- kaplani** THEOWALD et OOSTERBROEK, 1987: Israel J. Ent., 20: 76 (*Tipula*). Type-locality: Hagosherim (Israel).—Distr.: Asia: Israel.
- kephalos** THEISCHINGER, 1979: Beaufortia, 28: 138 (*Tipula*). Type-locality: Enos Mts, Kefallinia (Greece).—Distr.: Europe: GR (Kefallinia).
- kerkis** THEISCHINGER, 1977: Beaufortia, 26: 14 (*Tipula*). Type-locality: Afyon-Denizli road, 30 km SW Afyon (Turkey).—Distr.: Asia: Turkey (Afyon).
- kinzelbachi** THEISCHINGER, 1982: Beaufortia, 32: 90 (*Tipula*). Type-locality: N Homs-Damm, Orontes (Syria).—Distr.: Asia: Syria.
- klytaimnestra** THEISCHINGER, 1979: Beaufortia, 29: 287 (*Tipula*). Type-locality: Pesta, 20 km S Joannina (Greece).—Distr.: Europe: GR (central).
- kreissli** THEISCHINGER, 1987: Beaufortia, 37: 104 (*Tipula*). Type-locality: Kastamonu (Turkey).—Distr.: Asia: Turkey (Kastamonu).
- korovini** SAVCHENKO, 1970: Dopov. Akad. Nauk ukr. RSR, 1970: 371 (*Tipula*). Type-locality: Ishkashim, Gorno Badakhshan AO (USSR).—Distr.: USSR: SMA (Tj).
- kumerloevei** MANNHEIMS, 1968: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 317 (*Tipula*). Type-locality: Hacin Dagı, Mittlerer Taurus [= ?near Saimbeyli] (Turkey).—Distr.: Asia: Turkey (Adana).
- kybele** MANNHEIMS, 1968: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 310 (*Tipula*). Type-locality: Soguk Oluk, Amanus Dagı, above Iskanderun (Turkey).—Distr.: Asia: Turkey (south), Lebanon, Israel.
- kybele russula** THEISCHINGER, 1977: Beaufortia, 26: 35 (*Tipula*). Type-locality: Antalya (Turkey).—Distr.: Asia: Turkey (south between 30-33°E).
- kykladon** THEISCHINGER, 1987: Beaufortia, 37: 111 (*Tipula*). Type-locality: above Sikaria, Serifos (Greece).—Distr.: Europe: GR (Serifos).
- laetabilis** ZETTERSTEDT, [1838]: Insecta Lapp.: 842 (*Tipula*). Type-locality: Härnosand (Sweden).—Distr.: Europe: widespread excl. AL, E, IRE, R and north Fennoscandia, incl. GR (north), I (north) and YU (Serbia); USSR: NET, CET (Est, Li), SET (Uk), KZ (southeast), WS (south), ES (south).
- dilatata** SCHUMMEL, 1833: Beitr. Ent., Breslau, 3: 93 (*Tipula*). Type-locality: near Wrocław (Poland). [A junior primary homonym of *Tipula dilatata* MÜLLER, 1776.]
- nigroannulata** STROBL, 1895: Mitt. naturw. Ver. Steierm., 31: 216 (*Tipula*). Type-locality: Admont (Austria).
- amicorum** MANNHEIMS et THEOWALD, 1959: Memorie Soc. ent. ital., 38: 47 (*Tipula*). Type-locality: Tarvisio, Udine (Italy).
- lamentaria** ALEXANDER, 1934: Philipp. J. Sci., 52: 418 (*Tipula*). Type-locality: between Chhil and Wakar, Amur river (USSR).—Distr.: USSR: FE (south).
- lanispina** MANNHEIMS, 1966: Beitr. Ent., 16: 499 (*Tipula*). Type-locality: Kula Ljums (Albania).—Distr.: Europe: AL, GR, YU (Macedonia).

- latistyla** SAVCHENKO, 1954: Trudy Zoomus. KDU, 4: 130 (*Tipula*). Type-locality: Dakhovsk, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast).
- leda** MANNHEIMS, 1965: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 179 (*Tipula*). Type-locality: near Delphi (Greece).—Distr.: Europe: GR (incl. Kefallinia).
- polyhymnia** THEISCHINGER, 1979: Beaufortia, 28: 126 (*Tipula*). Type-locality: Enos Mts, Kefallinia (Greece).
- leeuweni** THEISCHINGER, 1982: Beaufortia, 32: 84 (*Tipula*). Type-locality: 7 km N Baniya (Syria).—Distr.: Asia: Syria, Israel.
- lehriana** SAVCHENKO, 1964: Fauna USSR, Dipt., 2(4), (N.S.), 89: 280 (*Tipula*). Type-locality: Ketmen Mts, Alma Ata obl. (USSR).—Distr.: USSR: KZ (southeast).
- leto** MANNHEIMS, 1966: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 240 (*Tipula*). Type-locality: near Pertuli, Pindos (Greece).—Distr.: Europe: GR (central).
- limitata** SCHUMMEL, 1833: Beitr. Ent., Breslau, 3: 98 (*Tipula*). Type-locality: near Wrocław (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, I (north), N, PL, R, S, SF; USSR: NET, CET (west), SET (west), WS (Tuva).
- opaca** SIEBKE, 1872: Nyt Mag. Naturvid., 19: 99 (*Tipula*). Type-locality: Aamodt (Norway).
- lithophila** SAVCHENKO, 1968: Ent. Obozr., 47: 921 (*Tipula*). Type-locality: Mindash, Lerik district (USSR: Az).—Distr.: USSR: TC (Az).
- livida** VAN DER WULP, 1858: Tijdschr. Ent., 2: 171 (*Tipula*). Type-locality: Haagsche Bosch (The Netherlands).—Distr.: Europe: widespread excl. BG, IRE, and north Fennoscandia, incl. E (north) and Sicily; USSR: CET (Est, Li, Uk), SET (Uk).
- livida aspasia** MANNHEIMS, 1968: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 296 (*Tipula*). Type-locality: Taygetos pass, Sparta-Kalamata, Peloponnisos (Greece).—Distr.: Europe: GR (south).
- livida morosa** SAVCHENKO, 1964: Fauna USSR, Dipt., 2(4), (N.S.), 89: 298 (*Tipula*). Type-locality: Borzhomi (USSR: Ge).—Distr.: USSR: TC (Ge).
- livida sardolivida** MANNHEIMS et THEOWALD in MANNHEIMS, 1968: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 296 (*Tipula*). Type-locality: Gennargentu above Aritzo, Sardinia (Italy).—Distr.: Europe: F (Corsica), I (Sardinia).
- longidens** STROBL in CZERNY and STROBL, 1909: Verh. zool.-bot. Ges. Wien, 59: 139 (*Tipula*). Type-locality: Monistrol (Spain).—Distr.: Europe: B (Wavreille), CH (Jura), DDR (Frankfurt/Oder), E, F (St Cyr, Massif Central, Pyrenees).
- lucasi** THEISCHINGER, 1987: Beaufortia, 37: 112 (*Tipula*). Type-locality: Suvariha-lil pass, Hakkari (Turkey).—Distr.: Asia: Turkey (Hakkari).
- luebenauorum** THEISCHINGER, 1977: Beaufortia, 26: 19 (*Tipula*). Type-locality: Peschici Mts (Italy).—Distr.: Europe: I (south).
- lunata** LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (*Tipula*). Type-locality: Europe. —Distr.: Europe: widespread excl. AL, incl. E (northeast) and GR (north); USSR: NET, CET, SET, TC, WS, ES, FE; Asia: Mongolia.

- ochracea* MEIGEN, 1804: Klass. Besch., 1: 68 (*Tipula*). Type-locality: near Stolberg [D].
- polypogon* ALEXANDER, 1934: Philipp. J. Sci., 52: 417 (*Tipula*). Type-locality: Kljuchevskoye village, Kamchatka (USSR).
- lyrion* THEISCHINGER, 1987: Beaufortia, 37: 109 (*Tipula*). Type-locality: Mt. Killini Vetta, Peloponnisos (Greece).—Distr.: Europe: GR (Peloponnisos).
- macciana* EDWARDS, 1928: Encycl. ent. (B II) Dipt., 4: 187 (*Tipula*). Type-localities: Restonica valley; near Evisa (France: Corsica).—Distr.: Europe: F (Corsica), I (Sardinia).
- macquarti* BECKER, 1908: Mitt. zool. Mus. Berl., 4: 82 (*Tipula*, as new name for *Tipula longicornis* MACQUART, 1838, a junior primary homonym of *Tipula longicornis* LINNAEUS, 1758).—Distr.: Canary Is (Tenerife).
- longicornis* MACQUART, 1838: Dipt. exot., 1(1): 52 (*Tipula*). Type-locality: Canary Is.
- macquarti lesnei* PIERRE, 1921: Bull. Mus. natn. Hist. nat. Paris, 27: 300 (*Tipula*, as species). Type-locality: Tafira, Gran Canaria (Canary Is).—Distr.: Canary Is (Gran Canaria).
- macropeliostigma* MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, 1: 163 (*Tipula*). Type-locality: Üsküb (Albania).—Distr.: Europe: AL, GR, YU.
- macropyga* SAVCHENKO, 1952: Trudy zool. Inst., Leningr., 12: 331 (*Tipula*). Type-locality: Tabriz (Iran) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: TC (Arm); Asia: Iran (northwest).
- macrosele* STROBL, 1893: Wien. ent. Ztg., 12: 167 (*Tipula*). Type-locality: Hvar (Yugoslavia).—Distr.: Europe: AL, GR (incl. Kefallinia), R (Dobrogea), YU.
- lindneri* RIEDEL, 1925: Dt. ent. Z., 1925: 84 (*Tipula*). Type-locality: near Ombla, Dalmatia (Yugoslavia).
- macrosele* pan MANNHEIMS, 1965: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 188 (*Tipula*, as species). Type-locality: lake Stimphalías, Peloponnisos (Greece).—Distr.: Europe: GR (incl. Kithira).
- magnicauda* STROBL, 1895: Mitt. naturw. Ver. Steierm., 31: 218 (*Tipula*). Type-locality: near Rottenmann (Austria).—Distr.: Europe: A, B, CH, CS, D, DDR, F, I (north).
- maiia* SAVCHENKO, 1973: Zbirn. Prats zool. Mus., Kiev, 35: 31 (*Tipula*). Type-locality: Bakhmaro, Adzharo-Imeretinskiy Mts (USSR: Ge).—Distr.: USSR: TC (Ge).
- mallorca* THEISCHINGER, 1982: Beaufortia, 32: 85 (*Tipula*). Type-locality: southern slope of Puig Mayor, N of Soller, Mallorca (Spain).—Distr.: Europe: E (Mallorca).
- manca* ALEXANDER, 1924: Ann. Mag. nat. Hist., (9) 14: 457 (*Tipula*). Type-locality: Kofu, Kai-no-kuni, Honshu (Japan).—Distr.: USSR: ES (southeast), FE (south, incl. Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku), ?China (?Xinjiang).

- terebrina* ALEXANDER, 1920: Trans. Am. ent. Soc., **46**: 19 (*Tipula*). Type-locality: Meguro, Tokyo, Honshu (Japan). [A questionable senior synonym.]
- plagiotoma* ALEXANDER, 1924: Ann. Mag. nat. Hist., (9) **14**: 458 (*Tipula*). Type-locality: Sapporo, Hokkaido (Japan).
- melanothrix** SAVCHENKO et THEISCHINGER, 1978: Bull. zool. Mus. Univ. Amsterdam, **6**: 119 (*Tipula*). Type-locality: Tschichatsheva pass, SE Altai (USSR).—Distr.: USSR: WS (Altai).
- mellea** SCHUMMEL, 1833: Beitr. Ent., Breslau, **3**: 96 (*Tipula*). Type-locality: near Wrocław (Poland).—Distr.: Europe: CS, DDR, F, H, PL, R (Danube delta), YU; USSR: CET, SET.
- melpomene** MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, **1**: 166 (*Tipula*). Type-locality: lake Stymphalias, Peloponnisos (Greece).—Distr.: Europe: GR (south).
- mendli** MARTINOVSKÝ, 1976: Acta ent. bohemoslov., **73**: 52 (*Tipula*). Type-locality: Göktepe, E of Mugla, Anatolia (Turkey).—Distr.: Europe: GR (Khios, Kos, Lesvos, Samos); Asia: Turkey (west of 32°E).
- micropeliostigma** MANNHEIMS, 1965: 15. Tipulidae, Fliegen pal. Reg., **3**(5)1: 207 (*Tipula*). Type-locality: Afium Karahissar, Afyon (Turkey).—Distr.: Asia: Turkey (Afyon).
- minos** THEISCHINGER, 1982: Beaufortia, **32**: 94 (*Tipula*, as subsp. of *bimacula* RIEDEL). Type-locality: Kakopetros, Crete (Greece).—Distr.: Europe: GR (Crete).
- modesta** MACQUART, 1846: Mém. Soc. Sci. Agric. Lille, **1844**: 140 (*Tipula*). Type-locality: Algeria (Mt. Lucas, Algeria, by lectotype des. of MANNHEIMS, 1968).—Distr.: North Africa: Algeria, Tunisia.
- pachyrhina* PIERRE, 1925: Encycl. ent. (B II) Dipt., **2**: 8 (*Tipula*). Type-locality: Ain Draham region (Tunisia).
- monstrabilis** THEISCHINGER, 1980: Beaufortia, **30**: 23 (*Tipula*). Type-locality: Athos (Greece).—Distr.: Europe: GR (north).
- montifer** THEISCHINGER, 1977: Beaufortia, **26**: 5 (*Tipula*). Type-locality: Hacin Dagi, Mittlerer Taurus [= ?near Saimbeyli] (Turkey).—Distr.: Asia: Turkey (Adana).
- montifer tasucuensis** THEISCHINGER, 1987: Beaufortia, **37**: 105 (*Tipula*). Type-locality: Tasucu, 10 km SW Silifke, İçel (Turkey).—Distr.: Asia: Turkey (İçel).
- morenae** STROBL, 1900: Wien. ent. Ztg., **19**: 210 (*Tipula*). Type-locality: Sierra Morena (Spain).—Distr.: Europe: E.
- musensis** THEISCHINGER, 1987: Beaufortia, **37**: 106 (*Tipula*). Type-locality: E lake Boglan, 38°55'N/41°09'E (Turkey).—Distr.: Asia: Turkey (Mus).
- naumanni** THEISCHINGER, 1979: Bull. zool. Mus. Univ. Amsterdam, **16**: 147 (*Tipula*). Type-locality: near Khindjan, north Salang (Afghanistan).—Distr.: Asia: Afghanistan (northeast).

- nausicaa** MANNHEIMS, 1966: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 220 (*Tipula*). Type-locality: Katara pass (Greece).—Distr.: Europe: GR, YU (Macedonia).
- neutra** THEISCHINGER, 1982: Beaufortia, 32: 91 (*Tipula*). Type-locality: N Bademli, N Cevicli, Konya (Turkey).—Distr.: Asia: Turkey (Antalya, Konya).
- nigdeensis** BISCHOF, 1905: Annln naturh. Mus. Wien, 20: 172 (*Tipula*). Type-locality: Nigde (Turkey) (the same by lectotype des. of MANNHEIMS, 1968).—Distr.: Asia: Turkey (Nigde).
- nigrobasalis** ALEXANDER, 1933: Philipp. J. Sci., 50: 130 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- nocturna** SAVCHENKO, 1964: Fauna USSR, Dipt., 2(4), (N.S.), 89: 387 (*Tipula*). Type-locality: Salgi, Checheno-Ingushsk ASSR (USSR).—Distr.: USSR: SET (south).
- onusta** RIEDEL, 1913: Abh. Ver. naturw. Erforsch. Niederrheins (Bezirksgr. d. Lehrerver. Naturk.), Krefeld, 1: 94 (*Tipula*). Type-localities: Gorizia; Macerata (Italy).—Distr.: Europe: I, YU (Croatia).
- oorschotorum** THEISCHINGER, 1987: Beaufortia, 37: 113 (*Tipula*). Type-locality: 8 km SW Derecine, Sultan Daglari, Afyon (Turkey).—Distr.: Asia: Turkey (Afyon).
- oreada** ALEXANDER, 1933: Philipp. J. Sci., 51: 520 (*Tipula*). Type-locality: Yu-Long-Gong (China).—Distr.: Asia: China (Tibet border).
- ornithogona** THEISCHINGER, 1982: Beaufortia, 32: 87 (*Tipula*). Type-locality: N Inciköy, Fethiye-Cameli, Mugla (Turkey).—Distr.: Asia: Turkey (Mugla).
- osmana** MANNHEIMS, 1963: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 160 (*Tipula*). Type-locality: Amasya (Turkey).—Distr.: USSR: TC; Asia: Turkey (north).
- mima* SAVCHENKO, 1964: Fauna USSR, Dipt., 2(4), (N.S.), 89: 370 (*Tipula*). Type-locality: Zikadsov, Marmarik valley (USSR: Arm).
- pachyprocta** LOEW, 1873: Besch. europ. Dipt., 3: 21 (*Tipula*). Type-locality: Ljubljana (Yugoslavia).—Distr.: Europe: YU (Slovenia, Croatia, Durmitor).
- palifera** MANNHEIMS, 1965: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 191 (*Tipula*). Type-locality: Maras. Göksun, Antitaurus (Turkey).—Distr.: Asia: Turkey (Maras, Nigde, Antalya).
- pallidicornis** SAVCHENKO, 1954: Trudy Zoomus. KDU, 4: 126 (*Tipula*). Type-locality: Primorskiy kray (USSR) (Kedrovaya Pad, Primorskiy kray, USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: FE (Primorskiy kray).
- pallidithorax** SAVCHENKO, 1954: Trudy zool. Inst., Leningr., 15: 191 (*Tipula*). Type-locality: Kondara, Varzob river (USSR: Tj) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: SMA (east).
- pandora** MANNHEIMS, 1968: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 306 (*Tipula*). Type-locality: Prioni, Olympus (Greece).—Distr.: Europe: GR.
- pannonia** LOEW, 1873: Berl. ent. Z., 17: 3 (*Tipula*). Type-locality: not given (1873: Besch. europ. Dipt., 3: 9: near Baile Herculane (Roumania) and Krain (Yugo-

- slavia) (the first by lectotype des. of MANNHEIMS, 1967)).—Distr.: Europe: A, AL, CS, H, R (southwest), YU.
- pannonica*: authors, unjustified emendation.
- pannonia jordanis** MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, 1: 181 (*Tipula*, as species). Type-locality: Oiti Mts (Greece).—Distr.: Europe: AL, GR (central), YU (south).
- parallela** THEISCHINGER, 1977: Beaufortia, 26: 30 (*Tipula*). Type-locality: Nava-cepeda, Sierra de Gredos, Avila (Spain).—Distr.: Europe: E, P.
- parapeliostigma** MANNHEIMS et THEOWALD, 1959: Memorie Soc. ent. ital., 38: 34 (*Tipula*). Type-locality: near Aritzo, Sardinia (Italy).—Distr.: Europe: F (Corsica), I (Sardinia).
- pararecticornis** SAVCHENKO et THEISCHINGER, 1978: Bull. zool. Mus. Univ. Amsterdam, 6: 120 (*Tipula*). Type-locality: Polar Ural (USSR).—Distr.: USSR: WS, ES, FE; Asia: Mongolia.
- parasimurg** SAVCHENKO, 1968: Ent. Obozr., 47: 927 (*Tipula*). Type-locality: Mindash, Lerik district (USSR: Az).—Distr.: USSR: TC (Az).
- paravelox** THEISCHINGER, 1987: Beaufortia, 37: 100 (*Tipula*). Type-locality: Cardak, Elbistan-Göksun, 38°06'N/36°49'E (Turkey).—Distr.: Asia: Turkey (Maras).
- pelidne** MANNHEIMS, 1965: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 198 (*Tipula*). Type-locality: Kastoria, about 1 km S Kastoria lake (Greece).—Distr.: Europe: GR.
- peliostigma** SCHUMMEL, 1833: Beitr. Ent., Breslau, 3: 90 (*Tipula*). Type-locality: near Wrocław (Poland) (the same by lectotype des. of MANNHEIMS, 1965).—Distr.: Europe: widespread excl. BG, IRE and north Fennoscandia, GR incl. Naxos, Samos, Siros and Thasos; USSR: NET, CET, SET, TC, KZ, SMA (west); Asia: Turkey (south), Israel.
- pelopea* MANNHEIMS, 1965: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 204 (*Tipula*, as subsp. of *peliostigma*). Type-locality: Palão Epidavros, Peloponnisos (Greece).
- phoenissa* MANNHEIMS, 1965: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 205 (*Tipula*, as subsp. of *peliostigma*). Type-locality: Haifa (Israel).
- peliostigma burdurafyonensis** THEISCHINGER, 1987: Beaufortia, 37: 117 (*Tipula*). Type-locality: Aglasun, 45 km S Isparta, Burdur (Turkey).—Distr.: Asia: Turkey (Burdur, Afyon).
- pelma** MANNHEIMS, 1965: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 212 (*Tipula*). Type-locality: Monte Gargano (Italy).—Distr.: Europe: I (south).
- pendula** ALEXANDER, 1924: Ann. Mag. nat. Hist., (9) 14: 469 (*Tipula*). Type-locality: Maruyama, near Sapporo, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Shikoku).
- penelope** MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, 1: 171 (*Tipula*). Type-locality: lake Stimphalias, Peloponnisos (Greece).—Distr.: Europe: GR (south), YU (Serbia).

- penelope eurykleia** THEISCHINGER, 1979: Beaufortia, **29**: 289 (*Tipula*). Type-locality: Pal. Epidavros, Peloponnisos (Greece).—Distr.: Europe: GR (south).
- peteri** THEISCHINGER, 1979: Beaufortia, **29**: 279 (*Tipula*). Type-locality: Uludag, Bursa (Turkey).—Distr.: Asia: Turkey (Bursa).
- phaidra** MANNHEIMS, 1965: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 184 (*Tipula*). Type-locality: Lefka ori near Askifu, Crete (Greece).—Distr.: Europe: GR (Crete).
- pilicauda** PIERRE, 1922: Bull. Soc. ent. Fr., **1921**: 264 (*Tipula*). Type-locality: Eaux-Chaudes, Basses Pyrénées (France).—Distr.: Europe: CH (south), E, F (south).
- pinnifer** THEISCHINGER, 1977: Beaufortia, **26**: 21 (*Tipula*). Type-locality: Polydrosos (Greece).—Distr. Europe: GR (central).
- pokornyi** MANNHEIMS, 1968: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 299 (*Tipula*). Type-locality: Leitha Mts (Austria).—Distr.: Europe: A.
- polydeukes** THEISCHINGER, 1977: Beaufortia, **26**: 22 (*Tipula*). Type-locality: E of Thessaloniki (Greece).—Distr.: Europe: GR (north).
- praecox** LOEW, 1873: Besch. europ. Dipt., **3**: 33 (*Tipula*). Type-locality: Trieste (Italy).—Distr.: Europe: AL, GR, I, YU; USSR: TC (Ge).
- profdrassi** THEISCHINGER, 1980: Beaufortia, **30**: 27 (*Tipula*). Type-locality: Achaia, above Ptheri, towards Kalavrita, Peloponnisos (Greece).—Distr.: Europe: GR (south).
- pseudocinerascens** STROBL, 1906: Mems R. Soc. esp. Hist. nat., **3**: 408 (*Tipula*). Type-localities: Almeria; Ronda; Algeciras (Spain).—Distr.: Europe: E, P.
- kuehnelti** THEISCHINGER, 1979: Beaufortia, **28**: 141 (*Tipula*). Type-locality: Pinos Puente, Granada (Spain).
- pseudolunata** THEISCHINGER, 1980: Beaufortia, **30**: 18, 21 (*Tipula*). Type-locality: Akirdagi, WSW Sincanli, Afyon (Turkey).—Distr.: Asia: Turkey (Afyon, Konya).
- pseudolunata spinalonga** THEISCHINGER, 1980: Beaufortia, **30**: 21 (*Tipula*). Type-locality: tributary of Kura, 30 km NW Tbilisi (USSR: Ge).—Distr.: USSR: TC.
- pseudopeliostigma** MANNHEIMS, 1965: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 208 (*Tipula*). Type-locality: Scopusberg, Jerusalem.—Distr.: Asia: Lebanon, Israel.
- pseudowolfi** THEISCHINGER, 1979: Beaufortia, **28**: 143 (*Tipula*). Type-locality: eastshore of lake Beysehir (Turkey).—Distr.: Europe: GR (Samos); Asia: Turkey (southwest).
- pustulata** PIERRE, 1920: Bull. Soc. ent. Fr., **1920**: 164 (*Tipula*). Type-localities: Bures; Bouray; Lardy (France).—Distr.: Europe: B, D, E, F, P.
- pythia** THEISCHINGER, 1979: Beaufortia, **29**: 291 (*Tipula*). Type-locality: Delphi (Greece).—Distr.: Europe: GR (central).

- quadriatrata** ALEXANDER, 1955: Ann. Mag. nat. Hist., (12) 8: 667 (*Tipula*). Type-locality: Schiva, Badakshan (Afghanistan).—Distr.: Asia: Afghanistan (north-east).
- quadridentata** SAVCHENKO, 1964: Fauna USSR, Dipt., 2(4), (N.S.), 89: 392 (*Tipula*). Type-locality: near Stavropol (USSR).—Distr.: USSR: SET (south-east).
- quadridentata paupera** SAVCHENKO, 1964: Fauna USSR, Dipt., 2(4), (N.S.), 89: 393 (*Tipula*). Type-locality: Svaneti-Zagar (USSR: Ge).—Distr.: USSR: TC (Ge).
- quinquespinis** THEISCHINGER, 1980: Beaufortia, 30: 28 (*Tipula*). Type-locality: Namrun, İçel (Turkey).—Distr.: Europe: GR (Lesvos); Asia: Turkey (south-west).
- rauschorum** THEISCHINGER, 1977: Beaufortia, 26: 25 (*Tipula*). Type-locality: 18 km W Tricarico, Lucania (Italy).—Distr.: Europe: I.
- recticornis** SCHUMMEL, 1833: Beitr. Ent., Breslau, 3: 80 (*Tipula*). Type-locality: am Zobtenberge [= near Wrocław] (Poland).—Distr.: Europe: A, CS, D, DDR, PL, S, SF; USSR: CET (near Moscow), WS (north), ES (north).
- longipyga** LUNDSTRÖM et FREY, 1916: Acta Soc. Fauna Flora fenn., 44(2): 20 (*Tipula*). Type-locality: Kuustö (Finland).
- renate** THEISCHINGER, 1982: Beaufortia, 32: 88 (*Tipula*). Type-locality: Celticki-Gecidi, Burdur (Turkey).—Distr.: Asia: Turkey (Burdur).
- rhodolivida** THEOWALD, 1972: Ent. Ber., Amst., 32: 135 (*Tipula*). Type-locality: Marmari, Lindos, Rodhos (Greece).—Distr.: Europe: GR (Kos, Rodhos); Asia: Turkey (southwest).
- rhynchos** THEISCHINGER, 1977: Beaufortia, 26: 27 (*Tipula*). Type-locality: Ephesos, Izmir (Turkey).—Distr.: Asia: Turkey (Izmir).
- rocina** THEISCHINGER, 1979: Beaufortia, 29: 305 (*Tipula*). Type-locality: N. S. El Rocio, Huelva (Spain).—Distr.: Europe: E (Huelva); North Africa: Morocco.
- rudis** ALEXANDER, 1935: Philipp. J. Sci., 57: 127 (*Tipula*). Type-locality: O-Er, 26 mi N of Li-Fan, Sichuan (China).—Distr.: USSR: FE (Amur obl.); Asia: China (Sichuan).
- rufula** MANNHEIMS et THEOWALD, 1959: Memorie Soc. ent. ital., 38: 41 (*Tipula*). Type-locality: Josefthal (Yugoslavia).—Distr.: Europe: YU, ?CS. [Specimen from Sicily, Vienna Museum, apparently wrongly labelled.]
- rugulosa** MANNHEIMS et THEOWALD, 1959: Memorie Soc. ent. ital., 38: 40 (*Tipula*). Type-locality: Monte d'Oro, Corsica (France).—Distr.: Europe: F (Corsica).
- rutila** SAVCHENKO, 1952: Trudy zool. Inst., Leningr., 12: 344 (*Tipula*). Type-locality: Amat near Mum (USSR: Arm).—Distr.: USSR: TC (Arm); Asia: Turkey (Maras).
- sacerdotula** RIEDEL, 1918: Arch. Naturgesch., 82(A)(11): 114 (*Tipula*). Type-locality: Sassari, Sardinia (Italy).—Distr.: Europe: I (Sardinia).

- saltatrix** SAVCHENKO, 1964: *Dopov. Akad. Nauk ukr. RSR*, **1964**: 1394 (*Tipula*).
Type-locality: near Sonzhedar, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast), TC.
- savtschenkoi** SIMOVA, 1960: *Fragm. balcan.*, **3**: 52 (*Tipula*). Type-locality: Gazi Baba near Skopje (Yugoslavia).—Distr.: Europe: BG, YU (Crna Gora, Macedonia).
- sciurus** THEISCHINGER, 1977: *Beaufortia*, **26**: 7 (*Tipula*). Type-locality: Hacin Dagi, Mittlerer Taurus [= ?near Saimbeyli] (Turkey).—Distr.: Asia: Turkey (south between 31 and 34°E).
- seguyi** MANNHEIMS, 1954: *Bonn. zool. Beitr., Sonderband 1954*, **1**: 174 (*Tipula*).
Type-localities: Iven region; SE Monastir [= ?Bitola] (Yugoslavia).—Distr.: Europe: GR, YU.
- selenaria** MANNHEIMS, 1967: *15. Tipulidae, Fliegen pal. Reg.*, **3(5)1**: 281 (*Tipula*).
Type-locality: Goundafa, High Atlas (Morocco).—Distr.: North Africa: Morocco.
- selene** MEIGEN, 1830: *Syst. Besch.*, **6**: 288 (*Tipula*). Type-locality: near Hamburg [D].—Distr.: Europe: A, B, CH, CS, D, DK, E (Cantabria), F, GB, H, N, NL, PL, S, SF, YU; USSR: NET, CET, SET, TC (Ge).
- selenis** LOEW, 1873: *Beschr. europ. Dipt.*, **3**: 37 (*Tipula*). Type-locality: Rodhos (Greece).—Distr.: Europe: GR (Rodhos).
- selenitica** MEIGEN, 1818: *Syst. Besch.*, **1**: 187 (*Tipula*). Type-locality: Portugal. —Distr.: Europe: E, F, P.
- semipeliostigma** MANNHEIMS, 1965: *15. Tipulidae, Fliegen pal. Reg.*, **3(5)1**: 208 (*Tipula*). Type-locality: Haruniye, Antitaurus (Turkey).—Distr.: Asia: Turkey (Taurus).
- sigma** THEISCHINGER, 1979: *Beaufortia*, **29**: 303 (*Tipula*). Type-locality: above Volos (Greece).—Distr.: Europe: GR (central).
- simova** THEISCHINGER, 1982: *Beaufortia*, **32**: 93 (*Tipula*). Type-locality: 4 km E Marie, Thasos (Greece).—Distr.: Europe: GR (Thasos).
- simurg** DZHAFAROV et SAVCHENKO in SAVCHENKO, 1964: *Fauna USSR, Dipt.*, **2(4)**, (N.S.), **89**: 370 (*Tipula*). Type-locality: Lerik (USSR: Az). —Distr.: USSR: TC (Az).
- skylla** THEISCHINGER, 1979: *Beaufortia*, **28**: 134 (*Tipula*). Type-locality: Biviere di Cesaro, Sicily (Italy).—Distr.: Europe: I (Sicily).
- soosi** MANNHEIMS, 1954: *Bonn. zool. Beitr., Sonderband 1954*, **1**: 160 (*Tipula*).
Type-locality: Nikolsburg, Moravia (Czechoslovakia).—Distr.: Europe: A, AL, BG, CS, GR (incl. Lesvos, Naxos, Rodhos, Samos), H, R, YU; USSR: CET (southeast), SET, TC; Asia: Turkey (west of 37°E).
- velox** SAVCHENKO, 1954: *Zbirn. Prats zool. Mus., Kiev*, **26**: 87 (*Tipula*). Type-locality: not given (Macedonia, Yugoslavia, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).

- macedonica* SIMOVA, 1960: *Fragm. balcan.*, **3**: 55 (*Tipula*, as form of *soosi*).
Type-locality: Babuna planina (Derven i Treskavec) (Yugoslavia).
- soosi izmirensis* THEISCHINGER, 1987: *Beaufortia*, **37**: 101 (*Tipula*). Type-locality: Bozdag, Birgi-Salihli, 38°22'N/27°58'E (Turkey).—Distr.: Asia: Turkey (Izmir).
- sternalis* THEISCHINGER, 1977: *Beaufortia*, **26**: 32 (*Tipula*). Type-locality: Van lake (Turkey).—Distr.: Asia: Turkey (Van lake), Israel.
- stimulosa* MANNHEIMS in THEOWALD 1973: 15. *Tipulidae*, *Fliegen pal. Reg.*, **3(5)1**: 325 (*Tipula*). Type-locality: Ruinean des Singes, La Chiffra, Atlas de Blide (Algeria).—Distr.: North Africa: Algeria, Tunisia.
- strigosa* SAVCHENKO, 1952: *Trudy zool. Inst., Leningr.*, **12**: 342 (*Tipula*). Type-locality: Kodzhor, Tbilisi district (USSR: Ge).—Distr.: USSR: TC; Asia: Turkey (Artvin).
- stubbsi* THEISCHINGER, 1979: *Beaufortia*, **28**: 128 (*Tipula*). Type-locality: Morfi lake, Parga (Greece).—Distr.: Europe: GR (central).
- subacuminata* MANNHEIMS, 1963: 15. *Tipulidae*, *Fliegen pal. Reg.*, **3(5)1**: 157 (*Tipula*). Type-locality: Sendschirli (Syria) [= Samal (Turkey)].—Distr.: Asia: Turkey (Adana, Içel, Maras, Bingöl, Bitlis).
- subaurita* SAVCHENKO, 1964: *Fauna USSR, Dipt.*, **2(4)**, (N.S.), 89: 386 (*Tipula*). Type-locality: Salgi, Checheno-Ingush ASSR (USSR).—Distr.: USSR: SET (south).
- subbispina* SAVCHENKO, 1952: *Trudy zool. Inst., Leningr.*, **12**: 325 (*Tipula*). Type-locality: Astrabad (Iran).—Distr.: Asia: Iran (north).
- subcava* MANNHEIMS, 1963: 15. *Tipulidae*, *Fliegen pal. Reg.*, **3(5)1**: 172 (*Tipula*). Type-locality: Albarracin (Spain).—Distr.: Europe: E.
- subfalcata* MANNHEIMS, 1967: 15. *Tipulidae*, *Fliegen pal. Reg.*, **3(5)1**: 272 (*Tipula*). Type-locality: Rio Magana, Sierra Morena (Spain).—Distr.: Europe: E.
- subhelvola* MANNHEIMS et THEOWALD, 1959: *Memorie Soc. ent. ital.*, **38**: 39 (*Tipula*). Type-locality: Botte Donate, Sila Grande, Calabria (Italy).—Distr.: Europe: I.
- sublimitata* ALEXANDER, 1927: *Arkiv Zool.*, **19(A)(9)**: 8 (*Tipula*). Type-locality: Petropavlovsk, Kamchatka (USSR).—Distr.: USSR: FE (Kamchatka).
- sublimitata atrodeclivis* ALEXANDER, 1950: *Ann. ent. Soc. Am.*, **43**: 425 (*Tipula*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.
- sublunata* SAVCHENKO, 1952: *Trudy zool. Inst., Leningr.*, **12**: 335 (*Tipula*). Type-locality: Krasnodar (USSR) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: Europe: ?A, ?CS; USSR: SET.
- submanca* SAVCHENKO, 1964: *Fauna USSR, Dipt.*, **2(4)**, (N.S.), 89: 286 (*Tipula*). Type-locality: Bulunda, Khabarovskiy kray (USSR).—Distr.: USSR: FE (Khabarovskiy kray).

- subonusta** MANNHEIMS et THEOWALD, 1959: *Memorie Soc. ent. ital.*, **38**: 43 (*Tipula*). Type-locality: Pedara, southern slopes of Etna, Sicily (Italy).—Distr.: Europe: I (Sicily).
- subpustulata** MANNHEIMS, 1963: 15. *Tipulidae*, *Fliegen pal. Reg.*, **3(5)1**: 174 (*Tipula*). Type-locality: Goundafa, High Atlas (Morocco).—Distr.: North Africa: Morocco, Algeria.
- subrecticornis** SAVCHENKO, 1964: *Fauna USSR*, *Dipt.*, **2(4)**, (N.S.), 89: 328 (*Tipula*). Type-locality: Marakyl, Altai (USSR).—Distr.: USSR: WS (Altai, Tuva); Asia: Mongolia.
- subrecticornis argyrea** SAVCHENKO et THEISCHINGER, 1978: *Bull. zool. Mus. Univ. Amsterdam*, **6**: 119 (*Tipula*, as form of *subrecticornis*). Type-localities: Taymyr; Mogen-Buren river, Tuva ASSR; Omalon, Magadan obl. (USSR).—Distr.: USSR: WS (Tuva), ES (Taymyr), FE (Magadan obl.).
- subselenitica** THEOWALD, 1957: *Tijdschr. Ent.*, **100**: 260 (*Tipula*). Type-locality: Spain.—Distr.: Europe: E.
- subtrunca** MANNHEIMS, 1966: 15. *Tipulidae*, *Fliegen pal. Reg.*, **3(5)1**: 237 (*Tipula*). Type-locality: Marathea near Gythion (Greece).—Distr.: Europe: GR (south).
- subtruncata** MANNHEIMS, 1954: *Bonn. zool. Beitr.*, Sonderband 1954, **1**: 171 (*Tipula*). Type-locality: Italy.—Distr.: Europe: I, YU (Serbia).
- subvelox** SAVCHENKO, 1968: *Ent. Obozr.*, **47**: 925 (*Tipula*). Type-locality: Batuvravli, Adzhar ASSR (USSR: Ge).—Distr.: USSR: TC; Asia: Turkey (Kastamonu).
- suleika** MANNHEIMS, 1963: 15. *Tipulidae*, *Fliegen pal. Reg.*, **3(5)1**: 167 (*Tipula*). Type-locality: Tahergourabe Gilan (Iran).—Distr.: USSR: TC; Asia: Iran (north).
- sushkini** SAVCHENKO, 1964: *Fauna USSR*, *Dipt.*, **2(4)**, (N.S.), 89: 299 (*Tipula*). Type-locality: Shalishkarbash, Altai (USSR).—Distr.: USSR: WS (Altai).
- talyshensis** SAVCHENKO, 1964: *Fauna USSR*, *Dipt.*, **2(4)**, (N.S.), 89: 391 (*Tipula*). Type-locality: Lerik (USSR: Az).—Distr.: USSR: TC (Az).
- tateyamae** ALEXANDER, 1918: *Jl N.Y. ent. Soc.*, **26**: 68 (*Tipula*). Type-locality: Mt. Tateyama, Honshu (Japan).—Distr.: USSR: FE (Sakhalin); Asia: Japan (Hokkaido, Honshu).
- tazzekai** THEOWALD, 1973: 15. *Tipulidae*, *Fliegen pal. Reg.*, **3(5)1**: 326 (*Tipula*). Type-locality: Ibel Tazzeka, 25 km ZW Taza, Middle Atlas (Morocco).—Distr.: North Africa: Morocco.
- tergestina** LOEW, 1873: *Beschr. europ. Dipt.*, **3**: 24 (*Tipula*). Type-locality: near Trieste (Italy).—Distr.: Europe: GR (Pisoderion-Florina), I (Trieste), YU (Macedonia).
- teunissenii** THEISCHINGER, 1979: *Beaufortia*, **28**: 132 (*Tipula*). Type-locality: Attaviros, Rodhos (Greece).—Distr.: Europe: GR (Rodhos).

- thais** MANNHEIMS, 1963: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 140 (*Tipula*, as new name for *Tipula terpsichore* MANNHEIMS, 1954, a junior primary homonym of *Tipula terpsichore* ALEXANDER, 1951).—Distr.: Europe: GR. *terpsichore* MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, 1: 180 (*Tipula*). Type-locality: Oiti Mts (Greece).
- theia** MANNHEIMS, 1963: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 176 (*Tipula*, as new name for *Tipula thalia* MANNHEIMS, 1954, a junior primary homonym of *Tipula thalia* ALEXANDER, 1945).—Distr.: Europe: GR (incl. Kithira). *thalia* MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, 1: 163 (*Tipula*). Type-locality: lake Stymphalias, Peloponnisos (Greece).
- theowaldi** SAVCHENKO, 1964: Fauna USSR, Dipt., 2(4), (N.S.), 89: 372 (*Tipula*). Type-locality: Glola (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- tibonella** THEISCHINGER, 1977: Beaufortia, 26: 14 (*Tipula*). Type-locality: Buru lake (Greece).—Distr.: Europe: GR (north, Lesvos); Asia: Turkey (Izmir, Küta-hya, Antalya).
- titania** MANNHEIMS, 1966: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 244 (*Tipula*). Type-locality: Oiti Mts (Greece).—Distr.: Europe: GR (central).
- transcaspica** SAVCHENKO, 1954: Trudy Zoomus. KDU, 4: 119 (*Tipula*). Type-locality: Kopet Dag (USSR: Tu).—Distr.: USSR: SMA (Tu).
- transfixa** ALEXANDER, 1933: Philipp. J. Sci., 51: 518 (*Tipula*). Type-locality: Yu-Long-Gong (China).—Distr.: Asia: China (Tibet border).
- trapeza** THEISCHINGER, 1982: Beaufortia, 32: 95 (*Tipula*). Type-locality: SSW Bayat, Afyon (Turkey).—Distr.: Asia: Turkey (Afyon).
- trifasciculata** STROBL, 1900: Wien. ent. Ztg, 19: 208 (*Tipula*). Type-locality: Sierra Morena (Spain).—Distr.: Europe: E.
- trigona** MANNHEIMS, 1966: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 253 (*Tipula*). Type-locality: Talavera de la Reina (Spain).—Distr.: Europe: E, F (south).
- trispinosa** LUNDSTRÖM, 1907: Acta Soc. Fauna Flora fenn., 29(2): 20 (*Tipula*). Type-locality: Inarijoki (Finland).—Distr.: Europe: N, S, SF; USSR: NET, WS (north, Altai, Tuva), ES (east), FE (Magadan obl., Kamchatka); Asia: Mongolia; ?Nearctic Region.
- [*satyr* ALEXANDER, 1915: Insecutor Inscit. menstr., 3: 129 (*Tipula*). Type-locality: Colorado (USA).] [Synonymy not certain.]
- [*claasseni* ALEXANDER, 1920: Can. Ent., 52: 111 (*Tipula*). Type-locality: Lawn lake, Estes Park, Colorado (USA).] [Synonymy not certain.]
- [*pseudogyne* ALEXANDER, 1934: Philipp. J. Sci., 52: 324 (*Tipula*). Type-locality: Kamchatka river, Kamchatka (USSR).] [Synonymy not certain.]
- trunca** MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, 1: 170 (*Tipula*). Type-locality: near Argos (Greece).—Distr.: Europe: GR.
- truncata** LOEW, 1873: Berl. ent. Z., 17: 34 (*Tipula*). Type-locality: not given (1873: Besch. europ. Dipt., 3: 13: Trieste, Castelnovo (Italy), Dubrovnik (Yugoslavia), Dobreta-Turnu-Severin (Roumania)).—Distr.: Europe: A, AL, BG, CH

- (Jura), CS, GR, H, I (north), R, YU; USSR: SET (west). [Specimens from Tunisia and Norway, Vienna Museum, apparently wrongly labeled.]
- truncata ciconia** THEISCHINGER, 1979: Beaufortia, **29**: 293 (*Tipula*). Type-locality: Kato Makrinou, 20 km SW Thermon (Greece).—Distr.: Europe: GR (central).
- turanensis** ALEXANDER, 1934: Philipp. J. Sci., **52**: 325 (*Tipula*). Type-locality: Turan, Baikal (USSR).—Distr.: USSR: WS (Tuva), ES (Irkutsk obl.), FE (incl. Kamchatka); Asia: Mongolia.
- turca** MANNHEIMS, 1963: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 165 (*Tipula*). Type-locality: Uludag, Bursa (Turkey).—Distr.: Asia: Turkey (Bursa).
- turcolivida** MANNHEIMS, 1968: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 298 (*Tipula*). Type-locality: Haruniye, Antitaurus (Turkey).—Distr.: Asia: Turkey (Adana).
- tyche** MANNHEIMS, 1966: Beitr. Ent., **16**: 496 (*Tipula*). Type-locality: Kerkira (Greece).—Distr.: Europe: AL, GR (incl. Kerkira).
- ulrike** THEISCHINGER, 1982: Beaufortia, **32**: 89 (*Tipula*). Type-locality: N Bademli, N Cevicli, Konya (Turkey).—Distr.: Asia: Turkey (Konya).
- unicornis** THEISCHINGER, 1977: Beaufortia, **26**: 2 (*Tipula*). Type-locality: Camlibel geciolu, Vil. Tokat, Tokat (Turkey).—Distr.: Asia: Turkey (Kastamonu, Tokat).
- urania** MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, **1**: 178 (*Tipula*). Type-locality: near Athens (Greece).—Distr.: Europe: AL, GR (incl. Kithira, Spetsai), YU.
- ursulae** MANNHEIMS, 1965: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 206 (*Tipula*). Type-locality: Antalya (Turkey).—Distr.: Asia: Turkey (Antalya).
- valerii** SAVCHENKO, 1968: Vestn. zool., **1968(5)**: 29 (*Tipula*). Type-locality: 9 km N Bakhmaro, Adzharo-Imeretinskiy Mts (USSR: Ge).—Distr.: USSR: TC.
- validicornis** ALEXANDER, 1934: Philipp. J. Sci., **52**: 322 (*Tipula*). Type-locality: Sedanka river, near Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: FE (south); Asia: China (Hebei).
- vermooleni** THEISCHINGER, 1987: Beaufortia, **37**: 107 (*Tipula*). Type-locality: Dikeos Mts, Kos (Greece).—Distr.: Europe: GR (Kos).
- vernalis** MEIGEN, 1804: Klass. Beschr., **1**: 70 (*Tipula*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: widespread excl. IRE and south Balkan, incl. E (north) and Corsica; USSR: NET, CET, SET; Canary Is. [A junior synonym adopted in accordance with usage.]
- variegata** LINNAEUS, 1758: Syst. Nat., Ed. 10, **1**: 586 (*Tipula*). Type-locality: Europe. [A senior synonym of *vernalis* MEIGEN, 1804.]
- divagor** HARRIS, [1776]: Exp. Eng. Ins.: 161 (*Tipula*). Type-locality: not given (Great Britain). [A senior synonym of *vernalis* MEIGEN, 1804.]
- lineola** MEIGEN, 1818: Syst. Beschr., **1**: 181 (*Tipula*). Type-locality: Austria.
- breviterebrata** MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, **1823-1824**: 131 (*Tipula*). Type-locality: Hazebrouck (France).

- lactipennis* LINDEMANN, 1846: Bull. Soc. nat. Moscou, **19**(2): 227 (*Tipula*). Type-locality: not given (Baltic States).
- nigricornis* STROBL, 1909: Mitt. naturw. Ver. Steierm., **46**: 273 (*Tipula*, as var. of *vernalis*). Type-locality: near Admont (Austria).
- hochhuthi* GIMMERTHAL in LACKSCHEWITZ, 1927: KorrespBl. NaturfVer. Riga (N.F.), **59**: 3 (*Tipula*). [Nomen nudum.]
- verrucosa* PIERRE, 1919: Bull. Mus. natn. Hist. nat. Paris, **25**: 616 (*Tipula*). Type-localities: Iven region; SE Monastir [= ?Bitola] (Yugoslavia).—Distr.: Europe: AL, B, BG, CH, CS, D, DDR, E, F, GR (north), I, R, YU; USSR: TC.
- fuscinervis* PIERRE, 1919: Bull. Mus. natn. Hist. nat. Paris, **25**: 615 (*Tipula*). Type-locality: near Thessaloniki (Greece). [A junior primary homonym of *Tipula fuscinervis* BRUNETTI, 1912.]
- brunneinervis* PIERRE, 1921: Bull. Soc. ent. Fr., **1921**: 49 (*Tipula*, as [unnecessary] new name for *Tipula fuscinervis*).
- fulvicolor* PIERRE, 1924: Encycl. ent. (B II) Dipt., **1**: 85 (*Tipula*). Type-localities: Mont Ventoux; Pyrenees (France).
- verrucosa sinedente* THEISCHINGER, 1980: Beaufortia, **30**: 24 (*Tipula*, as subsp. of *brunneinervis*). Type-locality: Kizilcahamam, Ankara (Turkey).—Distr.: Asia: Turkey, Israel.
- vogtenhuberi* THEISCHINGER, 1979: Beaufortia, **29**: 284 (*Tipula*). Type-locality: Kambounia Mts, 15 km S Serbia (Greece).—Distr.: Europe: GR.
- vulpecula* THEISCHINGER, 1979: Beaufortia, **28**: 145 (*Tipula*). Type-locality: Macka (Turkey).—Distr.: Asia: Turkey (east).
- wewalkai* THEISCHINGER, 1979: Beaufortia, **28**: 122 (*Tipula*). Type-locality: Tsangarada, 30 km E Volos (Greece).—Distr.: Europe: GR (central).
- wolfi* MANNHEIMS, 1954: Bonn. zool. Beitr., Sonderband 1954, **1**: 175 (*Tipula*). Type-locality: above Levadia (Greece).—Distr.: Europe: GR (central, Thasos); USSR: ?SET (?Krasnodarskiy kray).
- xyrophora* THEISCHINGER, 1977: Beaufortia, **26**: 34 (*Tipula*). Type-locality: Terme di Valdieri, Cuneo, Piemonte (Italy).—Distr.: Europe: CH (southwest), F (south), I (north).
- zaitzevi* SAVCHENKO, 1952: Trudy zool. Inst., Leningr., **12**: 321 (*Tipula*, as new name for *Tipula armata* RIEDEL, 1920, a junior primary homonym of *Tipula armata* DOANE, 1901).—Distr.: USSR: SET (south), TC.
- armata* RIEDEL, 1920: Zool. Jb. Syst., **43**: 18 (*Tipula*). Type-locality: Mts'chet prope Tiflis (USSR: Ge).
- zangerhii* LACKSCHEWITZ, 1932: Boll. Soc. ent. ital., **64**: 182 (*Tipula*). Type-locality: near Forli (Italy) (the same by neotype des. of MANNHEIMS, 1967).—Distr.: Europe: I.
- zarcoi* MANNHEIMS, 1967: 15. Tipulidae, Fliegen pal. Reg., **3**(5)1: 282 (*Tipula*). Type-locality: Naval moral (Spain).—Distr.: Europe: E.
- zarnigor* SAVCHENKO, 1954: Dokl. Akad. Nauk Tadzhik SSR, **12**: 47 (*Tipula*). Type-locality: Tajik SSR (USSR) (S slope of Anzob pass, Tajik SSR, USSR,

- by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: SMA (Tj); Asia: Afghanistan (northeast).
- zimini** SAVCHENKO, 1954: Trudy zool. Inst., Leningr., 15: 185 (*Tipula*). Type-locality: Jargak, Samarkand obl. (USSR: Uz) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: KZ (south), SMA (east); Asia: Afghanistan (north).
- zimini opacithorax** SAVCHENKO, 1964: Fauna USSR, Dipt., 2(4), (N.S.), 89: 274 (*Tipula*). Type-locality: Aksu-Dzhebaglin reserve, Yuzhno-Kazakh obl. (USSR).—Distr.: USSR: KZ (south).
- zimini semiopaca** SAVCHENKO, 1964: Fauna USSR, Dipt., 2(4), (N.S.), 89: 274 (*Tipula*). Type-locality: Kokchetav, Tselinniy kray, Kazakh SSR (USSR) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: TC (Az), KZ.

Subgenus MEDIOTIPULA PIERRE, 1924

PIERRE, 1924: Encycl. ent. (B II) Dipt., 1: 9 (as genus).

Type-species: *Mediotipula fulvogrisea* PIERRE, 1924: l.c.: 11 (mon.).

- anatoliensis** THEOWALD, 1978: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 424 (*Tipula*). Type-locality: Aksehir, Sultan Dag (Turkey).—Distr.: Asia: Turkey (Konya).
- aragoniensis** THEOWALD, 1978: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 416 (*Tipula*). Type-locality: Ordesa, Huesca (Spain).—Distr.: Europe: E (Pyrenees).
- brolemanni** PIERRE, 1922: Bull. Soc. ent. Fr., 1921: 262 (*Tipula*). Type-locality: Gèdre, Hautes Pyrénées (France) (the same by lectotype des. of THEOWALD, 1978).—Distr.: Europe: F (northwest Pyrenees).
- obtusiuscula* LACKSCHEWITZ, 1934: Konowia, 13: 129 (*Tipula*). Type-locality: Hautes Pyrénées (France).
- cataloniensis** THEOWALD, 1978: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 417 (*Tipula*). Type-locality: near Sort, Pyrenees (Spain).—Distr.: Europe: E (east Pyrenees).
- caucasiensis** THEOWALD, 1978: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 412 (*Tipula*). Type-locality: Abastumani, Adsharo-Imertinskiy Mts (USSR: Ge).—Distr.: USSR: TC (Ge).
- fulvogrisea** (PIERRE, 1924): Encycl. ent. (B II) Dipt., 1: 11. (*Mediotipula*). Type-locality: Mascara, Alger (Algeria).—Distr.: North Africa: Algeria.
- galiciensis** THEOWALD, 1978: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 415 (*Tipula*). Type-locality: Castelo de Frades, Ancares, Lugo (Spain).—Distr.: Europe: E (Galicia).

- mikiana** BERGROTH, 1888: Verh. zool.-bot. Ges. Wien, **38**: 653 (*Tipula*). Type-locality: Mallnitz, Hohe Tauern (Austria).—Distr.: Europe: Alps, CS, ?D (?Fränkische Jura), DDR (Frankfurt/Oder), PL (Wrocław).
- nitidicollis** STROBL in CZERNY and STROBL, 1909: Verh. zool.-bot. Ges. Wien, **59**: 136 (*Tipula*). Type-locality: Jativa (Spain).—Distr.: Europe: E.
- sarajevensis** STROBL, 1898: Glasn. zemalj. Mus. Bosni Herceg., **10**: 603 (*Tipula*). Type-locality: not given (?Sarajevo, Yugoslavia).—Distr.: Europe: Alps, Apennines, BG, E, F, GB (south), R, YU (central).
- microstigma** PIERRE, 1920: Bull. Soc. ent. Fr., **1920**: 162 (*Tipula*). Type-localities: Rochecardon; Pierre Bénite; near Tours (France).
- siebkei** ZETTERSTEDT, 1852: Dipt. scand., **11**: 4359 (*Tipula*). Type-localities: Baekkelaget; Kongshavn (Norway).—Distr.: Europe: A, B (Ardenne), CH, CS, DK, E (north), F (Corsica), GB (south), GR (central), I, L, N (south), R, S (south), YU (north).
- stigmatella** SCHUMMEL, 1833: Beitr. Ent., Breslau, **3**: 73 (*Tipula*). Type-locality: Warthabergen [= S of Wrocław] (Poland).—Distr.: Europe: A, B, BG, CH, CS, DDR, GR (incl. Kefallinia), H, I (north), L, PL, R, YU; USSR: SET, TC (Arm); Asia: Turkey (Bursa).
- bidens** BERGROTH, 1888: Verh. zool.-bot. Ges. Wien, **38**: 654 (*Tipula*). Type-locality: Krm (Yugoslavia).
- appressocaudata** STROBL, 1902: Glasn. zemalj. Mus. Bosni Herceg., **14**: 513 (*Tipula*). Type-locality: Sibenik (Yugoslavia).

Subgenus NIPPOTIPULA MATSUMURA, 1916

- MATSUMURA, 1916: Thousand Ins. Japan, Add. **2**: 457 (as genus).
Type-species: *Tipula nubifera* COQUILLETT, 1898: Proc. U.S. natn. Mus., **21**: 305 (orig. des.) [= *coquilletti* ENDERLEIN, 1912].
- brevifusca** ALEXANDER, 1940: Philipp. J. Sci., **71**: 169 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Zhejiang, Sichuan); China (Yunnan).
- coquilletti** ENDERLEIN, 1912: Zool. Jb. Syst., **32**: 7 (*Tipula*, as "*coquilleti*", as new name for *Tipula nubifera* COQUILLETT, 1898, a junior primary homonym of *Tipula nubifera* VAN DER WULP, 1881).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu), South Korea.
- nubifera** COQUILLETT, 1898: Proc. U.S. natn. Mus., **21**: 305 (*Tipula*). Type-locality: Japan.
- [**fanjingshana** YANG et YANG, 1988: Insect studies of Fanjing mountain, Special Vol. 1988: 112 and 114 (*Tipula*). Type-locality: Fanjing Mt., Guizhou (China).—Distr.: Asia: China (Guizhou).]

- phaedina** (ALEXANDER, 1927): Rec. Indian Mus., **29**: 174 (*Brithura*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan); China (Guizhou), India (Punjab).
- sinica** ALEXANDER, 1935: Philipp. J. Sci., **57**: 92 (*Tipula*). Type-locality: hills near Ning-po, halfway to Nimrod Sound, Zhejiang (China).—Distr.: Asia: China (Sichuan, Zhejiang).

Subgenus ODONATISCA SAVCHENKO, 1956

SAVCHENKO, 1956: Trudy Zool. Mus. KDU, **5**: 130 (as subgenus of *Tipula* LINNAEUS, 1758).

Type-species: *Tipula juncea* MEIGEN, 1818: Syst. Besch., **1**: 184 (orig. des.) [= *nodicornis* MEIGEN, 1818].

- kamchatkensis** ALEXANDER, 1918: J. N.Y. ent. Soc., **26**: 72 (*Tipula*). Type-locality: Kamchatka (USSR).—Distr.: USSR: ES (east), FE; Asia: Mongolia.
- nodicornis** MEIGEN, 1818: Syst. Besch., **1**: 185 (*Tipula*). Type-locality: near Berlin.—Distr.: Europe: A, CH, CS, D, DDR, DK, E (north), F, GB (Scotland), H, N, NL, PL, R, S, SF, YU (north); USSR: NET, CET, SET, ES.
- juncea* MEIGEN, 1818: Syst. Besch., **1**: 184 (*Tipula*). Type-locality: Berlin.
- nodicornis longicauda** MATSUMURA, 1906: Thousand Ins. Japan, **2**: 123 (*Tipula*, as species). Type-locality: Japan.—Distr.: USSR: FE (Magadan obl., Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- mystica* ALEXANDER, 1924: Ann. Mag. nat. Hist., (9) **14**: 476 (*Tipula*). Type-locality: Sapporo, Ishikari-no-kuni, Hokkaido (Japan).
- nodicornis platyglossa** ALEXANDER, 1936: Philipp. J. Sci., **60**: 178 (*Tipula*, as species). Type-locality: Sayan, Tunkun, Siberia (USSR).—Distr.: USSR: WS (Altai, Tuva), ES; Asia: Mongolia.
- pribilofensis** ALEXANDER, 1923: North Am. Fauna, **46**: 163 (*Tipula*). Type-locality: St. Paul Is, Pribilof Is (USA).—Distr.: USSR: WS (north), ES (north), FE (north, incl. Kamchatka); Nearctic Region.
- subarctica** ALEXANDER, 1919: Rep. can. arct. Exped., 1913-1918, **3** (C: Diptera): 15 (*Tipula*). Type-locality: West of Kongenevik, Camden bay, Alaska (USA).—Distr.: USSR: FE (Magadan obl., Kamchatka, Kuril Is); Nearctic Region.
- [*taenigaster* ALEXANDER, 1920: Ohio J. Sci., **20**: 202 (*Tipula*). Type-locality: Katmai, Alaska (USA).]

- timptonensis** SAVCHENKO, 1956: Trudy Zool. Mus. KDU, 5: 144 (*Tipula*). Type-locality: Timpton, Aldan river, Yakutsk ASSR (USSR) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: ES (Yakutsk ASSR).

Subgenus PLATYTIPULA MATSUMURA, 1916

MATSUMURA, 1916: Thousand Ins. Japan, Add. 2: 459 (as genus).

Type-species: *Platytipula moiwana* MATSUMURA, 1916: l.c.: 458 (orig. des.).

[After SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79, the *continuata* group, based on the oriental *continuata* BRUNETTI, is included here in *Platytipula* and not in *Schummelia*, see also ALEXANDER, 1965: Pacif. Insects, 7: 333-356.)]

- acifera** ALEXANDER, 1926: Philipp. J. Sci., 31: 377 (*Tipula*). Type-locality: Mt. Ishizuchi, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- acirostris** ALEXANDER, 1954: Trans. Shikoku ent. Soc., 4: 25 (*Tipula*). Type-locality: Omogo valley, Shikoku (Japan).—Distr.: USSR: FE (Kurul Is); Asia: Japan (Shikoku).
- angustiligula** ALEXANDER, 1931: Philipp. J. Sci., 44: 346 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- angustiligula mokaensis** ALEXANDER, 1940: Notes Ent. chin., 8: 8 (*Tipula*). Type-locality: Mt. Moka, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- appendifera** ALEXANDER, 1955: Ann. Mag. nat. Hist., (12) 8: 661 (*Tipula*). Type-locality: Apsai, Bashgul valley (Afghanistan).—Distr.: Asia: Afghanistan (Nuristan); Pakistan (Chatorhkand), India (Kashmir, Sikkim).
- autumnalis** LOEW, 1864: Wien ent. Mschr., 8: 126 (*Tipula*). Type-locality: Mese-ritz [= Mhedzyrzecz] (Poland).—Distr.: Europe: CS, D, DDR, DK, NL, PL; USSR: NET, CET.
- bidenticulata** ALEXANDER, 1933: Philipp. J. Sci., 51: 373 (*Tipula*). Type-locality: Mt. Shirouna, Shinano, Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- chumbiensis** EDWARDS, 1928: Ann. Mag. nat. Hist., (10) 1: 697 (*Tipula*). Type-locality: Chumbitang, Tibet (China).—Distr.: Asia: China (Tibet).
- continuata** BRUNETTI, 1912: Fauna Brit. India, Dipt., 1: 328 (*Tipula*). Type-locality: Darjeeling (India).—Distr.: Asia: Afghanistan (Hindu Kush); India (north).
- cumulata** ALEXANDER, 1938: Philipp. J. Sci., 66: 443 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- cylindrostylata** ALEXANDER, 1926: Philipp. J. Sci., 31: 378 (*Tipula*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- dinarzadae** THEOWALD, 1978: Bull. zool. Mus. Univ. Amsterdam, 6: 72 (*Tipula*). Type-locality: Ma'dan Noqir, Pandjchir (Afghanistan).—Distr.: Asia: Afghanistan (north).

- dissociata** ALEXANDER, 1936: Philipp. J. Sci., **60**: 328 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- dissociata timenda** ALEXANDER, 1936: Philipp. J. Sci., **60**: 328 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- ecaudata** ALEXANDER, 1924: Ann. Mag. nat. Hist., (9) **14**: 474 (*Tipula*). Type-locality: lake Ozenuma, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu).
- esakiana** ALEXANDER, 1933: Philipp. J. Sci., **51**: 507 (*Tipula*). Type-locality: Mt. Sobo, Bungo, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).
- haplostyla** OOSTERBROEK et THEOWALD, 1992: nom. nov. Replacement name for *Tipula minuta* SAVCHENKO, 1961, a junior primary homonym of *Tipula minuta* MÜLLER, 1776 (*Tipula*).—Distr.: Asia: China (northwest), Mongolia.
- minuta** SAVCHENKO, 1961: Fauna USSR, Dipt., **2**(3), (N.S.), 79: 84 (*Tipula*). Type-locality: Mt. Nan, Tatung valley (China).
- honorifica** ALEXANDER, 1933: Philipp. J. Sci., **51**: 509 (*Tipula*). Type-locality: Yin-Kuan-Tsai (China).—Distr.: Asia: China (Sichuan-Tibet border).
- imanishii** ALEXANDER, 1933: Philipp. J. Sci., **51**: 376 (*Tipula*). Type-locality: Mt. Kurobegoro, Echium, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu).
- indifferens** ALEXANDER, 1935: Philipp. J. Sci., **56**: 343 (*Tipula*). Type-locality: Srinagar, Kashmir (India).—Distr.: USSR: mountains of KZ and SMA; Asia: India (Kashmir).
- insulicola** ALEXANDER, 1914: Can. Ent., **46**: 211 (*Tipula*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- insulicola fuscicauda** ALEXANDER, 1924: Philipp. J. Sci., **24**: 604 (*Tipula*). Type-locality: Manui [= Perevalnoye], Dolinskiy district, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).
- jocosipennis** ALEXANDER, 1933: Philipp. J. Sci., **51**: 374 (*Tipula*). Type-locality: Mt. Ohdai, Yamato, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- luteipennis** MEIGEN, 1830: Syst. Besch., **6**: 288 (*Tipula*). Type-locality: near Hamburg [D].—Distr.: Europe: widespread, excl. Corsica, Sardinia and GR, incl. E (north) and YU (Croatia); USSR: NET, CET, SET, KZ (north), SMA (Ki), WS (south), ES; Asia: Mongolia.
- picticornis** (ZETTERSTEDT, 1851): Dipt. scand., **10**: 4003 (*Pachyrhina*). Type-locality: Scania (Sweden).
- luteipennis agilis** DUFOUR et BRUNHES, 1984: Mitt. schweiz. ent. Ges., **57**: 139 (*Tipula*). Type-locality: Genestrerio (Switzerland).—Distr.: Europe: CH (south), F (Corsica), I (north, Abruzzi, incl. Sardinia).
- luteipennis mediolobata** ALEXANDER, 1934: Philipp. J. Sci., **52**: 433 (*Tipula*, as species). Type-locality: Sidemi, Ussuri (USSR).—Distr.: USSR: FE (Amur obl., Primorskiy kray).

- melanoceros** SCHUMMEL, 1833: Beitr. Ent., Breslau, 3: 75 (*Tipula*). Type-locality: Lissner Walde [= near Wrocław] (Poland).—Distr.: Europe: widespread excl. I and Balkan, incl. E (north); USSR: NET, CET (west), SET (Uk), ES (Yakutsk ASSR), FE (Amur bassin, Magadan obl.).
- lineata** STAEGER, 1840: Naturh. Tidsskr., 3: 20 (*Tipula*). Type-locality: Ordrupmose (Denmark).
- membranifera** ALEXANDER, 1936: Philipp. J. Sci., 60: 326 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- moiwana** (MATSUMURA, 1916): Thousand Ins. Japan, Add. 2: 458 (*Platytipula*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: USSR: FE (south, incl. Sakhalin, Kuril Is); Asia: Japan (Hokkaido), China (northeast).
- nicothoe** ALEXANDER, 1953: Ann. Mag. nat. Hist., (12) 6: 744 (*Tipula*). Type-locality: Du Chu valley, Tibet (China).—Distr.: Asia: China (E Tibet).
- nigrocellula** ALEXANDER, 1935: Philipp. J. Sci., 56: 344 (*Tipula*). Type-locality: Kaj-Nag range, Kashmir (India).—Distr.: USSR: SMA (Pamir); India (Kashmir).
- nikkoensis** ALEXANDER, 1921: Ann. ent. Soc. Am., 14: 129 (*Tipula*). Type-locality: Nikko, Tochigi pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- nipponensis** ALEXANDER, 1914: Can. Ent., 46: 236 (*Tipula*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Sakhalin); Asia: Japan (Hokkaido, Honshu, Shikoku).
- omogicola** ALEXANDER, 1954: Trans. Shikoku ent. Soc., 4: 26 (*Tipula*). Type-locality: Omogo valley, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- pterotricha** ALEXANDER, 1952: Rec. Indian Mus., 50: 326 (*Tipula*, as new name for *Tipula macrotrichiata* ALEXANDER, 1925, a junior primary homonym of *Tipula macrotrichiata* ALEXANDER, 1922).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- macrotrichiata** ALEXANDER, 1925: Ann. ent. Soc. Am., 17: 443 (*Tipula*). Type-locality: Kyoto, Honshu (Japan).
- querula** ALEXANDER, 1924: Ann. Mag. nat. Hist., (9) 14: 473 (*Tipula*). Type-locality: Hinoemata, Iwashiro-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu).
- quiris** ALEXANDER, 1940: Lingnan Sci. J., 19: 123 (*Tipula*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- saragaminensis** ALEXANDER, 1954: Philipp. J. Sci., 82: 270 (*Tipula*). Type-locality: Saragamine, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- scheherezadae** THEOWALD, 1978: Bull. zool. Mus. Univ. Amsterdam, 6: 72 (*Tipula*). Type-locality: Darreh-Zang, Beltchiragh (Afghanistan).—Distr.: Asia: Afghanistan (northern half).
- sessilis** EDWARDS, 1921: Ann. Mag. nat. Hist., (9) 8: 110 (*Tipula*, as new name for *Pachyrhina demarcata* BRUNETTI, 1912, a junior secondary homonym of *Tipula demarcata* BRUNETTI, 1911).—Distr.: USSR: SMA (Tj); Asia: China (Tibet); India (north).

- [*demarcata* (BRUNETTI, 1912): Fauna Brit. India, Dipt., 1: 344 (*Pachyrhina*). Type-locality: Darjeeling (India).]
 [*xanthopleura* EDWARDS, 1928: Ann. Mag. nat. Hist., (10) 1: 698 (*Tipula*). Type-locality: Muktesar, Kumaon (India).]
 [*pergrata* ALEXANDER, 1936: Philipp. J. Sci., 61: 171 (*Tipula*). Type-locality: Cherra punji, Khasi Hills (India).]
sparsiseta ALEXANDER, 1924: Ann. Mag. nat. Hist., (9) 14: 475 (*Tipula*). Type-locality: Okai, Kotsuke-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu); ?Taiwan.
stipata ALEXANDER, 1935: Philipp. J. Sci., 58: 221 (*Tipula*). Type-locality: Takinosava, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).
violovitshiana SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 77 (*Tipula*). Type-locality: Moneron, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).

Subgenus PTERELACHISUS RONDANI, 1842

- RONDANI, 1842: Revue zool., 5: 243 (as genus).
 Type-species: *Pterelachisus berteii* RONDANI, 1842: l.c.: 243 (mon.).
Oreomyza POKORNY, 1887: Wien. ent. Ztg, 6: 50 (as genus). Type-species: *Oreomyza glacialis* POKORNY, 1887: l.c.: 50 (des. COQUILLETT, 1910: Proc. U.S. natn. Mus., 37: 580).
Geotipula SAVCHENKO, 1964: Fauna USSR, Dipt., 2(4), (N.S.), 89: 15 (as subgenus of *Tipula* LINNAEUS, 1758). Type-species: *Tipula varipennis* MEIGEN, 1818: Syst. Besch., 1: 183 (orig. des.).
Xylocyla VENTURI, 1968: Frustula ent., 9(3): 12 (as genus of *Cylindrotomidae*). Type-species: *Xylocyla goidanichi* VENTURI, 1968: l.c.: 13 (mon.) [= *bertei* (RONDANI, 1842)].
aluco ALEXANDER, 1918: J. N.Y. ent. Soc., 26: 70 (*Tipula*). Type-locality: Kyoto, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
quadrifasciata MATSUMURA, 1916: Thousand Ins. Japan, Add. 2: 459 and 460 (*Tipula*). Type-locality: Kyoto, Honshu (Japan). [A junior primary homonym of *Tipula quadrifasciata* GMELIN, 1790.]
apicispina ALEXANDER, 1934: Philipp. J. Sci., 52: 329 (*Tipula*). Type-locality: Sedanka, Vladivostok, Primorskiy kray (USSR).—Distr.: Europe: CH (north); USSR: SET (Uk), FE (Primorskiy kray).
austriaca (POKORNY, 1887): Wien. ent. Ztg, 6: 56 (*Oreomyza*). Type-locality: Wiener Schneeberg (Austria).—Distr.: Europe: A, CH (east), Carpathians, R, YU (north).
autumna ALEXANDER, 1921: Ann. ent. Soc. Am., 14: 126 (*Tipula*). Type-locality: Gifu, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).

- bertei** (RONDANI, 1842): *Revue zool.*, **5**: 243 (*Pterelachisus*). Type-locality: near Parma (Italy).—Distr.: Europe: CH (south), I.
- rumpfi** MANNHEIMS et THEOWALD, 1959: *Memorie Soc. ent. ital.*, **38**: 50 (*Tipula*). Type-locality: not given (Italy).
- castellani** MANNHEIMS et THEOWALD, 1959: *Memorie Soc. ent. ital.*, **38**: 52 (*Tipula*). Type-locality: Gerano, Lazio (Italy).
- goidanichi** (VENTURI, 1968): *Frustula ent.*, **9**(3): 1 (*Xylocyla*). Type-locality: San Rossore, Toscana (Italy).
- bilobata** POKORNY, 1887: *Wien. ent. Ztg.*, **6**: 58 (*Tipula*). Type-locality: Passo di Stelvio (Italy).—Distr.: Europe: Alps, YU (Crna Gora).
- carinifrons** HOLMGREN, 1883: *Ent. Tidskr.*, **4**: 184 (*Tipula*). Type-locality: not given (USSR: Novaya Zemlya).—Distr.: USSR: NET (north, Novaya Zemlya), WS (north), ES (north, Novosibirskiye Is), FE (north); Nearctic Region.
- [*whitneyi* ALEXANDER, 1923: *North Am. Fauna*, **46**: 161 (*Tipula*). Type-locality: St George Is, Pribolof Is (USA).]
- carinifrons gynaptera** ALEXANDER, 1918: *Jl N.Y. ent. Soc.*, **26**: 72 (*Tipula*). Type-locality: Plover bay, NE Siberia (USSR).—Distr.: USSR: FE (Anadyr).
- carinifrons violovitshi** SAVCHENKO, 1956: *Trudy dal'nevost. Fil. Akad. Nauk SSR, Ser. Zool.*, **3**: 177 (*Tipula*, as "*violowitschi*"). Type-locality: Iturup, Kuril Is (USSR) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: FE (Kuril Is).
- cineracea** COQUILLET, 1900: *Proc. Wash. Acad. Sci.*, **2**: 404 (*Tipula*). Type-locality: Alaska (USA).—Distr.: USSR: FE (Wrangel Is, Kamchatka); Nearctic Region.
- cinereocincta** LUNDSTRÖM, 1907: *Acta Soc. Fauna Flora fenn.*, **29**(2): 15 (*Tipula*). Type-locality: Kuusamo (Finland).—Distr.: Europe: CH, CS, D, ?N, S, SF; USSR: CET (northwest), NET (Polar Ural).
- cinereocincta mesacantha** ALEXANDER, 1934: *Philipp. J. Sci.*, **52**: 431 (*Tipula*, as species). Type-locality: Osemaya, mouth of Amur river (USSR).—Distr.: USSR: WS (Altai, Tuva), ES (south), FE (south).
- crassicornis** ZETTERSTEDT, [1838]: *Insecta Lapp.*: 841 (*Tipula*). Type-localities: Jukkasjärvi; Lycksele (Sweden).—Distr.: Europe: N, ?R, S, SF; USSR: NET (north), SET (Uk), WS (north, Tuva), ES, FE (incl. Sakhalin); Asia: Mongolia.
- zetterstedti** STROBL, 1895: *Mitt. naturw. Ver. Steierm.*, **31**: 210 (*Tipula*, as new name for *Tipula nigricornis*: ZETTERSTEDT, 1851, not MACQUART, 1826, misidentification). [Synonymy not certain.]
- strobli** BERGROTH, 1908: *Wien. ent. Ztg.*, **27**: 218 (*Tipula*, as new name for *Tipula zetterstedti*). [Synonymy not certain.]
- sachalinensis** ALEXANDER, 1925: *Ann. Mag. nat. Hist.*, (9) **15**: 395 (*Tipula*). Type-locality: Sakhalin (USSR).

- crassiventris** RIEDEL, 1913: Abh. Ver. naturw. Erforsch. Niederrheins (Bezirksgr. d. Lehrerver. Naturk.), Krefeld, 1: 28 (*Tipula*). Type-locality: Stelvio (Italy).
—Distr.: Europe: Alps, mountains of Balkan, CS, PL; USSR: SET (Uk).
- schineri** LACKSCHEWITZ, 1932: Konowia, 11: 83 (*Tipula*, as new name for *Tipula truncorum*: SCHINER, 1864, not MEIGEN, 1830, misidentification).
- crawfordi** ALEXANDER, 1926: Can. Ent., 58: 291 (*Tipula*). Type-locality: Wrangel Is (USSR).—Distr.: USSR: FE (Wrangel Is).
- cruciata** EDWARDS, 1928: Ann. Mag. nat. Hist., (10) 1: 693 (*Tipula*). Type-locality: Chumbitang, Tibet (China).—Distr.: Asia: China (Tibet); India (Sikkim).
- daitenjoensis** ALEXANDER, 1955: Ann. ent. Soc. Am., 48: 370 (*Tipula*). Type-locality: Shinano, Mt. Daitenjo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- derbecki** ALEXANDER, 1934: Philipp. J. Sci., 52: 428 (*Tipula*). Type-locality: cape Dshaore, mouth of Amur river (USSR).—Distr.: USSR: ES (Krasnoyarskiy kray), FE (mouth of Amur river).
- dolomitensis** THEOWALD, 1980: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 482 (*Tipula*). Type-locality: Sella-Joch (Italy).—Distr.: Europe: I (Dolomites).
- excetra** ALEXANDER, 1935: Philipp. J. Sci., 56: 537 (*Tipula*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- famula** ALEXANDER, 1935: Philipp. J. Sci., 57: 123 (*Tipula*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- flavocostalis** ALEXANDER, 1921: Ann. ent. Soc. Am., 14: 124 (*Tipula*). Type-locality: Tamagawa, Saitama pref., Honshu (Japan).—Distr.: USSR: FE (south, incl. Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu), South Korea.
- futilis** ALEXANDER, 1924: Ann. Mag. nat. Hist., (9) 14: 459 (*Tipula*). Type-locality: Nakano, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- geisha** ALEXANDER, 1958: Trans. Shikoku ent. Soc., 6: 1 (*Tipula*). Type-locality: Saragamine, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- glacialis** (POKORNY, 1887): Wien. ent. Ztg, 6: 50 (*Oreomyza*). Type-localities: Passo di Stelvio; Monte Cristallo; Passo Rosetta (Italy); Raibl (Yugoslavia).—Distr.: Europe: Alps, BG (Rila), YU (north, Crna Gora).
- gredosi** THEOWALD, 1980: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 491 (*Tipula*). Type-locality: Rio Payales, Arenas de San Pedro, Sierra de Gredos, Avila (Spain).—Distr.: Europe: E.
- haplorhabda** ALEXANDER, 1935: Philipp. J. Sci., 57: 128 (*Tipula*). Type-locality: O-Er, 26 mi N Li-Fan, Sichuan (China).—Distr.: Asia: China (Sichuan).
- harutai** ALEXANDER, 1955: Ann. ent. Soc. Am., 48: 369 (*Tipula*). Type-locality: Mt. Takao, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- hibii** ALEXANDER, 1933: Philipp. J. Sci., 51: 387 (*Tipula*). Type-locality: Mt. Kyusho, Hôki, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

- hirsutipes** LACKSCHEWITZ, 1934: Konowia, **13**: 137 (142) (*Tipula*). Type-locality: north Sibiria (USSR) (Sob river, Salekhard, Ural, USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: WS (north), ES (north), FE (Magadan obl., Primorskiy kray).
- hirsutipes spinifera** SAVCHENKO, 1964: Fauna USSR, Dipt., **2**(4), (N.S.), 89: 107 (*Tipula*). Type-locality: Belaya river, 63°10'N/171°50'E (USSR).—Distr.: USSR: ES (east of Lena river), FE (Magadan obl.).
- hispidia** SAVCHENKO, 1964: Fauna USSR, Dipt., **2**(4), (N.S.), 89: 82 (*Tipula*). Type-locality: Dshigin-Gol valley (China).—Distr.: Asia: China (northwest).
- ignoscens** ALEXANDER, 1935: Philipp. J. Sci., **56**: 538 (*Tipula*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- illegitima** ALEXANDER, 1933: Philipp. J. Sci., **51**: 390 (*Tipula*). Type-locality: Mt. Ohdai, Yamato, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- imitator** ALEXANDER, 1953: Philipp. J. Sci., **82**: 51 (*Tipula*). Type-locality: Mt. Tsurugi, Awa, Shikoku (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Shikoku).
- interposita** SAVCHENKO, 1966: Dopov. Akad. Nauk ukr. RSR, **1966**: 1092 (*Tipula*). Type-locality: Kedrovaya Pad, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- irregularis** (POKORNY, 1887): Wien. ent. Ztg, **6**: 53 (*Oreomyza*). Type-locality: Passo di Stelvio (Italy) (the same by lectotype des. of THEOWALD, 1980).—Distr.: Europe: Alps.
- irrorata** MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, **1823-1824**: 130 (*Tipula*). Type-locality: not given (northern France).—Distr.: Europe: wide-spread excl. IRE and AL, incl. E (Cantabria), I (north) and GR (north); USSR: NET (south), CET, SET, WS (Altai).
- pictipennis** STAEGER, 1840: Naturh. Tidsskr., **3**: 9 (*Tipula*). Type-locality: Charlottenlund (Denmark).
- micans** ZETTERSTEDT, 1851: Dipt. scand., **10**: 3930 (*Tipula*). Type-localities: Lund; Tranås; Kivik; Esperöd; Wadstena; Gusum; Suul (Sweden); Töien near Christianiam (?Norway).
- ishiharana** ALEXANDER, 1953: Trans. Shikoku ent. Soc., **3**: 74 (*Tipula*). Type-locality: Jojushu, Mt. Ishizuchi, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- jedoensis** ALEXANDER, 1933: Philipp. J. Sci., **51**: 524 (*Tipula*). Type-locality: Jedo pass (China).—Distr.: Asia: China (Tibet border).
- jutlandica** NIELSEN, 1947: Ent. Meddr, **25**: 206 (*Tipula*). Type-locality: Vesterskov, Silkeborg (Denmark).—Distr.: Europe: DK, S (to 65°N); USSR: CET (Li), SET (Uk, near Moscow).
- scythica** SAVCHENKO, 1952: Ent. Obozr., **32**: 307 (*Tipula*). Type-locality: Kanev, Kiev obl. (USSR) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).

- kaisilai** MANNHEIMS, 1954: Notul. ent., **34**: 49 (*Tipula*). Type-locality: Pallastunturit, Lapponia kemensis (Finland).—Distr.: Europe: N (north), S (north), SF (north); USSR: NET (Murmansk obl.), WS (Tuva), FE (Amur obl., Shantar-ski Is); Asia: Mongolia.
- katmaiensis** ALEXANDER, 1920: Ohio J. Sci., **20**: 202 (*Tipula*). Type-locality: Katmai, Alaska (USA).—Distr.: USSR: FE (Wrangel Is, Kamchatka); Nearctic Region.
- kaulbackiana** ALEXANDER, 1953: Ann. Mag. nat. Hist., (12) **6**: 174 (*Tipula*). Type-locality: Poshö, Kyari Dzong (China).—Distr.: Asia: China (Tibet).
- kurilensis** SAVCHENKO, 1970: Ent. Obozr., **49**: 116 (*Tipula*). Type-locality: Sernovodsk, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- laetibasis** ALEXANDER, 1934: Philipp. J. Sci., **52**: 425 (*Tipula*). Type-locality: Bay de Castries, Ussuri (USSR).—Distr.: Europe: CS, N (north), S (north); USSR: NET (north), ES, FE (incl. Sakhalin, Kuril Is); Asia: Japan (Honshu).
- caerulea** MANNHEIMS et NIELSEN, 1953: Ent. Meddr, **26**: 586 (*Tipula*). Type-locality: Kirkenes, Sydvaranger (Norway).
- laetissima** ALEXANDER, 1938: Philipp. J. Sci., **66**: 452 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- latiflava** ALEXANDER, 1931: Philipp. J. Sci., **44**: 347 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- legalis** ALEXANDER, 1933: Philipp. J. Sci., **51**: 389 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- luridorostris** SCHUMMEL, 1833: Beitr. Ent., Breslau, **3**: 30 (*Tipula*). Type-locality: near Wrocław (Poland).—Distr.: Europe: A, CH, CS, D, DK, GB, H, I (north), N (Høylandet), PL, R, S, SF, YU (Crna Gora); USSR: NET (incl. Novaya Zemlya), CET (Est, Li, By), SET (Uk), WS (Tyumen obl., Altai, Tuva), ES (Yakutsk ASSR); Asia: Mongolia.
- flavirostris** STAEGER, 1840: Naturh. Tidsskr., **3**: 8 (*Tipula*). Type-locality: Charlottenlund (Denmark).
- brevicornis** LUNDSTRÖM, 1912: Acta Soc. Fauna Flora fenn., **36**(1): 46 (*Tipula*). Type-locality: Muonio (Finland).
- luteobasalis** SAVCHENKO, 1964: Fauna USSR, Dipt., **2**(4), (N.S.), 89: 76 (*Tipula*). Type-locality: Saramag, Adaikom valley, Severo-Osetinsk ASSR (USSR).—Distr.: USSR: SET (south), TC; Asia: Turkey (Artvin, Van lake), Iran (north).
- luteobasalis alata** THEOWALD, 1980: 15. Tipulidae, Fliegen pal. Reg., **3**(5)1: 484 (*Tipula*). Type-locality: near Tatvan, at Van lake (Turkey).—Distr.: Asia: Turkey (Bitlis).
- macarta** ALEXANDER, 1934: Arkiv Zool., **27**(A)(17): 13 (*Tipula*). Type-locality: Kung-tze-tagga, Tsaluk valley, Min Mts, Gansu (China).—Distr.: Asia: China (Gansu).
- macrostyla** SAVCHENKO, 1964: Fauna USSR, Dipt., **2**(4), (N.S.), 89: 64 (*Tipula*). Type-locality: Okhotsk (USSR).—Distr.: USSR: FE (Okhotsk).

- malaisei** ALEXANDER, 1927: Arkiv Zool., **19**(A)(9): 6 (*Tipula*). Type-locality: Petropavlovsk, Kamchatka (USSR).—Distr.: USSR: FE (Kamchatka, Bering Is, Kuril Is).
- matsumuriana** ALEXANDER, 1924: Philipp. J. Sci., **24**: 608 (*Tipula*). Type-locality: Jozankei, Hokkaido (Japan).—Distr.: USSR: FE (Magadan obl., Kuril Is); Asia: Japan (Hokkaido, Honshu).
- matsumuriana pseudohortensis** LACKSCHEWITZ, 1932: Konowia, **11**: 78 (*Tipula*, as species). Type-localities: Freistadt (Austria); Plitvice lakes (Yugoslavia); Libau; Paplaken (USSR: La); Kasseritz; Kosch (USSR: Est) (Libau, La, USSR, by lectotype des. of THEOWALD, 1980).—Distr.: Europe: SF (south); USSR: NET, CET.
- mayerduerii** EGGER, 1863: Verh. zool.-bot. Ges. Wien, **13**: 1102 (*Tipula*). Type-locality: Austria.—Distr.: Europe: Alps, CS, PL, YU (Croatia).
Mayer-Dürri, *Mayer-Durii*, *Meyer-Dürri*, *Meyer-Düri* (or these names without capitals), *mayerduerei*, all errors for *mayerduerii*.
- middendorffi** LACKSCHEWITZ, 1936: Trudy zool. Inst., Leningr., **4**: 272 (*Tipula*). Type-locality: Taymyr (USSR).—Distr.: Europe: N (Dovrefjell), ?SF; USSR: NET (north), WS (north, Tuva), ES, FE (Amur obl.); Asia: Mongolia.
- middendorffi unicolor** SAVCHENKO, 1964: Fauna USSR, Dipt., **2**(4), (N.S.), 89: 41 (*Tipula*). Type-locality: not given.—Distr.: USSR: FE (Magadan obl., Kamchatka).
- mitophora** ALEXANDER, 1934: Philipp. J. Sci., **52**: 327 (*Tipula*). Type-locality: cape Dshaore, mouth of Amur river (USSR).—Distr.: USSR: FE (Primorskiy kray, Khabarovskiy kray).
blastoptera ALEXANDER, 1934: Philipp. J. Sci., **52**: 439 (*Tipula*). Type-locality: Sitza station, Suchan district, Ussuri (USSR).
- mupinensis** ALEXANDER, 1934: Philipp. J. Sci., **52**: 330 (*Tipula*). Type-locality: Mupin, Sichuan (China).—Distr.: Asia: China (Sichuan).
- mutila** WAHLGREN, 1905: Ent. Tidskr., **26**: 70 (*Tipula*). Type-localities: Stockholm; Blekinge; Gotland (Sweden).—Distr.: Europe: D (north), DK, GB (south), S (south), SF (south); USSR: NET (southwest), CET (west), SET (L'vov obl.), WS (Altai), FE (Kuril Is).
- mutiloides** ALEXANDER, 1932: Philipp. J. Sci., **49**: 375 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- neurotica** MANNHEIMS, 1966: Bonn. zool. Beitr., **17**: 266 (*Tipula*, as new name for *Tipula nervosa* MEIGEN, 1818, a junior primary homonym of *Tipula nervosa* SCHRANK, 1803).—Distr.: Europe: Pyrenees, Alps, Carpathians, Harz, Ardennes, mountains of CS, D (south, ?Eifel), F (Massif Central), GR (north), R and YU; USSR: SET (Uk).
- nervosa* MEIGEN, 1818: Syst. Besch., **1**: 176 (*Tipula*). Type-locality: not given (?near Stolberg [D]).

- nudicellula** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1966: Entomofauna Lesov, Moscow, 1966: 54 (*Tipula*). Type-locality: Mendeleyevo, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- ochotana** SAVCHENKO, 1970: Ent. Obozr., 49: 118 (*Tipula*, as new name for *Tipula littoralis* SAVCHENKO, 1964, a junior primary homonym of *Tipula littoralis* LINNAEUS, 1758).—Distr.: USSR: FE (Khabarovskiy kray, Sakhalin, Kuril Is).
- littoralis** SAVCHENKO, 1964: Fauna USSR, Dipt., 2(4), (N.S.), 89: 66 (*Tipula*). Type-locality: De Castries, Khabarovskiy kray (USSR).
- octomaculata** SAVCHENKO, 1964: Fauna USSR, Dipt., 2(4), (N.S.), 89: 44 (*Tipula*). Type-locality: Obozerskiy, Arkhangelsk obl. (USSR).—Distr.: USSR: NET (Arkhangelsk obl.).
- osellai** THEOWALD, 1980: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 507 (*Tipula*). Type-locality: Val Dritta (Italy).—Distr.: Europe: I (Monte Baldo).
- pabulina** MEIGEN, 1818: Syst. Besch., 1: 180 (*Tipula*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: widespread excl. AL, BG, GR, IRE and north Fennoscandia, incl. E (Cantabria) and I (north); USSR: NET (southwest), CET (west), SET(west).
- rufipennis** MEIGEN, 1830: Syst. Besch., 6: 287 (*Tipula*). Type-locality: not given (?Hamburg [D]).
- padana** DUFOUR, 1981: Ent. Ber., Amst., 41: 125 (*Tipula*). Type-locality: Bodio, Bidre, Ticino (Switzerland).—Distr.: Europe: CH (south), I (north).
- pauli** MANNHEIMS, 1964: Bonn. zool. Beitr., 15: 105 (*Tipula*, as new name for *Tipula hortensis*: LACKSCHEWITZ, 1932, not MEIGEN, 1818, misidentification). Type-locality: Leegen, La, USSR (by lectotype des. of THEOWALD, 1980).—Distr.: Europe: CS, D (north), NL, PL, R, S (Falun); USSR: CET (Est, La, Li).
- pedicellaris** ALEXANDER, 1933: Philipp. J. Sci., 51: 527 (*Tipula*). Type-locality: near Tang-Gu (China).—Distr.: Asia: China (Sichuan-Tibet border).
- [percara** ALEXANDER, 1921: Bull. Mus. natn. Hist. nat. Paris, (1) 27: 540 (*Tipula*). Type-locality: gan Chouen, Guizhou (China).—Distr.: Asia: China (Guizhou).]
- pertenuis** ALEXANDER, 1938: Philipp. J. Sci., 66: 460 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- phaeopasta** ALEXANDER, 1924: Ann. Mag. nat. Hist., (9) 14: 462 (*Tipula*). Type-locality: Osaka, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- phryne** ALEXANDER, 1945: Trans. R. ent. Soc. Lond., 95: 238 (*Tipula*). Type-locality: Ompo (North Korea).—Distr.: Asia: North Korea.
- pingi** ALEXANDER, 1936: Philipp. J. Sci., 60: 176 (*Tipula*). Type-locality: Eastern Tombs, Hebei (China).—Distr.: Asia: China (Hebei).

- plitviciensis** SIMOVA, 1962: *Fragm. balcan.*, 4: 102 (*Tipula*). Type-locality: Hrvatsku, Plitvice lakes (Yugoslavia) (Sofia, Bulgaria, by lectotype des. of THEOWALD, 1980).—Distr.: Europe: A (Gimbach), AL, BG, CS, GR (north), R (Banat), YU.
- polaruralensis** THEOWALD, 1980: 15. *Tipulidae*, *Fliegen pal. Reg.*, 3(5)1: 459 (*Tipula*). Type-locality: "s. Tobols. guv.", Polar Ural (USSR).—Distr.: USSR: NET (north), WS (north).
- pollex** ALEXANDER, 1933: *Philipp. J. Sci.*, 51: 392 (*Tipula*). Type-locality: Mt. Daisen, Hôki, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- pontica** SAVCHENKO, 1964: *Fauna USSR, Dipt.*, 2(4), (N.S.), 89: 52 (*Tipula*). Type-locality: Crimea (USSR) (Khir Alan, Alma river, Crimea, USSR, by neotype des. of SAVCHENKO, 1966).—Distr.: USSR: SET (Crimea).
- procliva** ALEXANDER, 1938: *Philipp. J. Sci.*, 66: 458 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pseudocrassiventris** THEOWALD, 1980: 15. *Tipulidae*, *Fliegen pal. Reg.*, 3(5)1: 503 (*Tipula*). Type-locality: Weisswasser, Reichraminger, Hintergebirge (Austria).—Distr.: Europe: Alps, Tatra.
- pseudoirrorata** GOETGHEBUER in GOETGHEBUER and TONNOIR, 1921: *Bull. Soc. ent. Belg.*, 3: 114 (*Tipula*). Type-localities: Forêt de Soignes; Hockai (Belgium).—Distr.: Europe: A, B, CH, CS, D, DK, F (Massif Central), H, N, R, S, SF; USSR: NET (southwest), CET (west), SET (Uk).
- pseudopruinosa** STROBL, 1895: *Mitt. naturw. Ver. Steierm.*, 31: 213 (*Tipula*). Type-locality: Scheibleck near Admont (Austria).—Distr.: Europe: Alps, Tatra, Carpathians; USSR: SET (Uk).
- bavarica** LACKSCHEWITZ, 1934: *Konowia*, 13: 135 (139) (*Tipula*). Type-localities: Watzmann; Kampenwand [D].
- pseudovariipennis** CZIŽEK, 1912: *Verh. zool.-bot. Ges. Wien*, 62: 51 (*Tipula*). Type-locality: near Brno (Czechoslovakia).—Distr.: Europe: widespread excl. AL, DK, IRE, N and S, incl. E (Pyrenees), Corsica, I (north) and SF (south); USSR: NET (southwest), CET, SET (Uk).
- hortulana** MEIGEN, 1818: *Syst. Besch.*, 1: 177 (*Tipula*). Type-locality: not given (?near Stolberg [D]). [A junior primary homonym of *Tipula hortulana* LINNAEUS, 1758.]
- resupina** ALEXANDER, 1935: *Philipp. J. Sci.*, 56: 535 (*Tipula*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- sauteri** DUFOUR, 1982: *Mitt. schweiz. ent. Ges.*, 55: 313 (*Tipula*). Type-locality: Simplon (Switzerland).—Distr.: Europe: CH (Valais).
- savionis** ALEXANDER, 1937: *Notes Ent. chin.*, 4: 12 (*Tipula*). Type-locality: Zô-sè, Jiangsu (China).—Distr.: Asia: China (Jiangsu).
- seticellula** ALEXANDER, 1932: *Philipp. J. Sci.*, 49: 106 (*Tipula*). Type-locality: Saga, Kyoto pref., Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu, Shikoku).

- seticellula longiligula** ALEXANDER, 1933: Philipp. J. Sci., **51**: 394 (*Tipula*). Type-locality: Mt. Ohdai, Yamato, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- seticellula glabricellula** ALEXANDER, 1969: Trans. Shikoku ent. Soc., **10**: 35 (*Tipula*). Type-locality: Anaodake, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).
- sibiriensis** ALEXANDER, 1925: Proc. U.S. natn. Mus., **68**(4): 19 (*Tipula*). Type-locality: Okeanskaya, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is).
- spathifera** MANNHEIMS, 1953: Annuar. Ist. Mus. Zool. Univ. Napoli, **5**: 5 (*Tipula*). Type-locality: Bosco sotto Piano di Pollino (Italy).—Distr.: Europe: I.
- stenostyla** SAVCHENKO, 1964: Fauna USSR, Dipt., **2**(4), (N.S.), 89: 37 (*Tipula*). Type-locality: Gobzhitza Lyzhsky district, Leningrad obl. (USSR).—Distr.: USSR: NET.
- strictura** ALEXANDER, 1937: Notes Ent. chin., **4**: 15 (*Tipula*). Type-locality: Jiangsu (China).—Distr.: Asia: China (Jiangsu).
- subfutilis** ALEXANDER, 1929: Philipp. J. Sci., **40**: 319 (*Tipula*). Type-locality: Unzen park, Hizen, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- subglacialis** MANNHEIMS et THEOWALD, 1959: Memorie Soc. ent. ital., **38**: 28 (*Tipula*). Type-locality: not given (Nebelhorn, Allgäu, by holotype [= lectotype] des. of THEOWALD, 1963).—Distr.: Europe: Alps, D (Allgäu).
- submarmorata** SCHUMMEL, 1833: Beitr. Ent., Breslau, **3**: 36 (*Tipula*). Type-locality: near Wrocław (Poland).—Distr.: Europe: widespread excl. AL, BG, GR and YU; USSR: NET, CET, SET (Uk).
- meigeni* MANNHEIMS, 1966: Bonn. zool. Beitr., **17**: 265 (*Tipula*, as new name for *Tipula hortulana*: authors, not MEIGEN, 1818, misidentifications).
- hortulana*: authors, not MEIGEN, 1818, misidentifications.
- submutila** ALEXANDER, 1933: Philipp. J. Sci., **51**: 523 (*Tipula*). Type-locality: Yu-Long-Si (China).—Distr.: Asia: China (Tibet border).
- taikun** ALEXANDER, 1921: Ann. ent. Soc. Am., **14**: 125 (*Tipula*). Type-locality: Koiwai farm, near Morioka, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu).
- tetramelania** ALEXANDER, 1935: Philipp. J. Sci., **57**: 125 (*Tipula*). Type-locality: Beh-Luh-Din, 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan, Zhejiang).
- trichopleura** SAVCHENKO, 1964: Fauna USSR, Dipt., **2**(4), (N.S.), 89: 68 (*Tipula*). Type-locality: Teberda, Stavropolskiy kray (USSR).—Distr.: USSR: SET (south), TC (Ge).
- trifascingulata** THEOWALD, 1980: 15. Tipulidae, Fliegen pal. Reg., **3**(5)1: 445 (*Tipula*, as new name for *Tipula trifasciata* LOEW, 1865, a junior primary homonym of *Tipula trifasciata* GMELIN, 1790).—Distr.: Europe: A, CH, D, DDR, F, H; USSR: CET (Li), SET (Uk), WS (Altai).

- trifasciata* LOEW, 1865: Z. ges. Naturw., **26**: 135 (*Tipula*). Type-locality: Bad Liebensstein [D].
- tristriata* LUNDSTRÖM, 1915: Mém. Acad. Sci. Petersb., (8) **29**(8): 30 (*Tipula*). Type-locality: Chara-Ullach cape, Chara-Ullach Mts (USSR).—Distr.: USSR: NET (Novaya Zemlya), WS (north), ES (north), FE (north, incl. Kamchatka).
- truncorum* MEIGEN, 1830: Syst. Besch., **6**: 287 (*Tipula*). Type-locality: not given (?Hamburg [D]).—Distr.: Europe: widespread excl. AL, E, GR and IRE, incl. I (north); USSR: NET, CET (west), SET.
- septemlineata* MACQUART, 1834: Hist. nat. Ins., Dipt. **1**: 83 (*Tipula*). Type-locality: near Paris (France).
- winnertzii* EGGER, 1863: Verh. zool.-bot. Ges. Wien, **13**: 1101 (*Tipula*). Type-locality: not given (?Austria).
- truphoneura* ALEXANDER, 1920: Trans. Am. ent. Soc., **46**: 17 (*Tipula*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Kyushu).
- tshernovskii* SAVCHENKO, 1954: Trudy zool. Inst., Leningr., **15**: 192 (*Tipula*). Type-locality: at Baikal, Irkutsk obl. (USSR) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: WS (south), ES (south).
- tundrensis* ALEXANDER, 1934: Philipp. J. Sci., **52**: 415 (*Tipula*). Type-locality: volcano Kluchevskoi, Kyrgurich, Kamchatka (USSR).—Distr.: USSR: WS (Tuva), FE (Kamchatka).
- tundrensis cinereoabdominalis* SAVCHENKO, 1964: Fauna USSR, Dipt., **2**(4), (N.S.), 89: 104 (*Tipula*, as subsp. of *stackelbergiana*). Type-locality: Bolshaya river, 63°10'N/171°50'E, Magadan obl. (USSR).—Distr.: USSR: ES (north), FE (north).
- tundrensis stackelbergiana* LACKSCHEWITZ, 1936: Trudy zool. Inst., Leningr., **4**: 271 (*Tipula*, as species). Type-localities: "Polar-Ural: Quellen des Flusses Chuuta; Sibiria bor.: Karische Tundra; Obdorsk, Gebiet des Flusses Sobj" (USSR) (Polar Ural, Tobolsk district, Tyumen obl., USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: NET (north), WS (north), ES (north), FE (Magadan obl.).
- varipennis* MEIGEN, 1818: Syst. Besch., **1**: 183 (*Tipula*). Type-locality: Kiel [D].—Distr.: Europe: widespread excl. AL, BG and GR, incl. E (Pyrenees) and I (north); USSR: NET, CET, SET, WS (south), ES (Krasnoyarskiy kray, Irkutsk obl.).
- nigricornis* MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, **1823-1824**: 129 (*Tipula*). Type-locality: not given (northern France).
- simplicicornis* ZETTERSTEDT, [1838]: Insecta Lapp.: 841 (*Tipula*). Type-locality: Lycksele (Sweden).
- obscurinervis* WAHLGREN, 1905: Ent. Tidskr., **26**: 71 (*Tipula*). Type-locality: Gotland (Denmark).

- vermiculata** SAVCHENKO, 1964: Fauna USSR, Dipt., 2(4), (N.S.), 89: 81 (*Tipula*). Type-locality: Tien Mts, Xinjiang (China).—Distr.: USSR: SMA (Ki), WS (Altai); Asia: China (northwest).
- vitiosa** ALEXANDER, 1933: Philipp. J. Sci., 52: 138 (*Tipula*). Type-locality: near Tang-Gu (China).—Distr.: Asia: China (Sichuan-Tibet border).
- vivax** ALEXANDER, 1933: Philipp. J. Sci., 52: 139 (*Tipula*). Type-locality: Zya-Ha pass (China).—Distr.: Asia: China (Tibet border).
- wahlgreni** LACKSCHEWITZ, 1925: Arb. NaturfVer. Riga (N.F.), 16: 8 (*Tipula*). Type-localities: several localities in "Ostbaltikum" (USSR).—Distr.: Europe: SF (south), ?Alps; USSR: NET (southwest), CET (northwest), WS (north, Altai).
- winthemi** LACKSCHEWITZ, 1932: Konowia, 11: 77 (*Tipula*). Type-localities: Gmunden; Freistadt (Austria); Dalmatia (Yugoslavia).—Distr.: Europe: A, B, CH, D, DDR, NL, PL, S (north), SF, YU (north); USSR: CET (Est, Uk), SET (Uk), WS (Ob delta), ES (Irkutsk obl.), FE (Kamchatka).
- yasumatsuana** ALEXANDER, 1954: Mushi, 27: 24 (*Tipula*). Type-locality: Taihu-aichen, Shanxi (China).—Distr.: Asia: China (Shanxi).

Subgenus SAVTSHENKIA ALEXANDER, 1966

ALEXANDER, 1966: Philipp. J. Sci., 94: 238 (as subgenus of *Tipula* LINNAEUS, 1758).

Type-species: *Tipula rufina* MEIGEN, 1818: Syst. Besch., 1: 176 (orig. des.).

Savtshenkia MANNHEIMS, 1962: Bonn. zool. Beitr., 13: 195 (as new name for *Pterelachisus*: SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 149, not RONDANI, 1842, misinterpretation). [Not accompanied by fixation of a type-species.]

alpium BERGROTH, 1888: Verh. zool.-bot. Ges. Wien, 38: 652 (*Tipula*). Type-locality: Grossglockner (Austria).—Distr.: Europe: widespread excl. GR, incl. E (Pyrenees), Corsica, I (north), YU (Crna Gora) and SF (Turku); USSR: SET (Uk).

inversa LUNDSTRÖM, 1913: Nyt Mag. Naturvid., 51: 318 (*Tipula*). Type-locality: Krødsherred (Norway).

rieli PIERRE, 1926: Encycl. ent. (B II) Dipt., 3: 15 (*Tipula*). Type-localities: Pavillon de Lognan; Mont Lachat; au glacier du Tour (France).

aspromontensis THEOWALD, 1973: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 377 (*Tipula*). Type-locality: Dint. Gambarie, Calabria, Aspromonte (Italy).—Distr.: Europe: GR (central), I (south).

aster THEISCHINGER, 1983: Ent. Ber., Amst., 43: 26 (*Tipula*). Type-locality: above Maries, Thasos (Greece).—Distr.: Europe: GR (Thasos).

- atlas** PIERRE, 1924: *Encycl. ent. (B II) Dipt.*, 1: 91 (*Tipula*). Type-locality: Tachdirt, High Atlas (Morocco).—Distr.: North Africa: Morocco, Algeria.
- baltistanica** ALEXANDER, 1936: *Philipp. J. Sci.*, 58: 393 (*Tipula*). Type-locality: Baltistan (India).—Distr.: USSR: TC, SMA (Tj); India (Kashmir).
- benesignata** MANNHEIMS, 1954: *Notul. ent.*, 34: 35 (*Tipula*). Type-locality: not given (Feistriz-Koschach, Malta-Tal, Oberkärnten, Austria, by holotype [= lectotype] des. of MANNHEIMS and PECHLANER, 1963).—Distr.: Europe: Alps, Ardennes, CS, D (Sauerland, Allgäu), F (Massif Central), GR, H, N (south), R, S, SF, YU (north); USSR: CET (northwest), SET, SMA (Tien Mts).
- boreosignata** TJEDER, 1969: *Opusc. ent.*, 34: 254 (*Tipula*). Type-locality: Messaure, Kaltisjokk (Sweden).—Distr.: Europe: N (north), S (north), SF (north).
- breviantennata** LACKSCHEWITZ, 1933: *Boll. Soc. ent. ital.*, 65: 179 (*Tipula*). Type-locality: Monte Falterone, north Apennines (Italy).—Distr.: Europe: E, CH (south), I (incl. Sardinia); North Africa: Algeria.
- cheethami** EDWARDS, 1924: *Entomologist's mon. Mag.*, 60: 82 (*Tipula*). Type-locality: Corriegills, Arran (Great Britain).—Distr.: Europe: Alps, Pyrenees, Cantabria, Apennines, Carpathians, Tatra, BG, E (central), GB, GR (central), R.
- confusa** VAN DER WULP, 1887: *Tijdschr. Ent.*, 26: 173 (*Tipula*). Type-locality: Haagsche bosch (The Netherlands).—Distr.: Europe: B, CH (north), D, DK (incl. Faeroes), E, F, GB, IRE, IS, L, N, NL, PL, S, SF (in Fennoscandia as far north as 67°N); USSR: CET (Li).
- marmorata* MEIGEN, 1818: *Syst. Besch.*, 1: 179 (*Tipula*). Type-locality: not given (?near Stolberg [D]). [A junior primary homonym of *Tipula marmorata* GEOFFROY, 1799.]
- guadarramensis* STROBL, 1906: *Mems R. Soc. esp. Hist. nat.*, 3: 407 (*Tipula*, as ?var. of *irrorata* MACQUART). Type-locality: Sierra de Guadarrama (Spain).
- convexifrons** HOLMGREN, 1883: *Ent. Tidskr.*, 4: 186 (*Tipula*). Type-locality: Gåskap, Novaya Zemlya (USSR).—Distr.: USSR: NET (Novaya Zemlya), ES (Novosibirskiy Is, Taymyr, Lena delta); Nearctic Region.
- serotina* HOLMGREN, 1883: *Ent. Tidskr.*, 4: 186 (*Tipula*). Type-locality: Gåskap, Novaya Zemlya (USSR).
- instabilis* HOLMGREN, 1883: *Ent. Tidskr.*, 4: 187 (*Tipula*). Type-locality: Gåskap, Novaya Zemlya (USSR).
- divaricata* HOLMGREN, 1883: *Ent. Tidskr.*, 4: 187 (*Tipula*). Type-locality: Gåskap, Novaya Zemlya (USSR).
- corsosignata** THEOWALD, DUFOUR et OOSTERBROEK, 1982: *Mitt. schweiz. ent. Ges.*, 55: 325 (*Tipula*). Type-locality: Forêt de Ghisoni, 2 km NW Ghisoni, Corsica (France).—Distr.: Europe: F (Corsica).
- cynosardensis** THEOWALD, DUFOUR et OOSTERBROEK, 1982: *Mitt. schweiz. ent. Ges.*, 55: 326 (*Tipula*). Type-locality: Barbagia Belvi Ortuabis-Br. Trotu, Sardinia (Italy).—Distr.: Europe: F (Corsica), I (Sardinia).

- eleonorae** THEISCHINGER, 1978: Ent. Ber., Amst., 38: 45 (*Tipula*). Type-locality: Banat, Pojana Marului (Roumania).—Distr.: Europe: R (south).
- eugeni** THEOWALD, 1973: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 390 (*Tipula*). Type-locality: Serro Juncaria, Calabria, Aspromonte (Italy).—Distr.: Europe: F (Corsica), I (Calabria).
- gimmerthali** LACKSCHEWITZ, 1925: Arb. NaturfVer. Riga (N.F.), 16: 11 (*Tipula*). Type-locality: Britzkeit (USSR: La).—Distr.: Europe: Alps, Sudety, CS, D, F (Massif Central), GB, N, R, S, SF; USSR: NET (Murmansk obl., Arkhangelsk obl.), CET (La), SET.
- gimmerthali pteromaculata** THEOWALD, DUFOUR et OOSTERBROEK, 1982: Mitt. schweiz. ent. Ges., 55: 327 (*Tipula*). Type-locality: Lac de Nino, 10 km SE Col de Vergio, Corsica (France).—Distr.: Europe: F (Corsica).
- gimmerthali mattheyi** THEOWALD et DUFOUR, 1983: Mitt. schweiz. ent. Ges., 56: 283 (*Tipula*). Type-locality: Hospice de France (France).—Distr.: Europe: F (Haute Garonne).
- glaucocinerea** LUNDSTRÖM, 1915: Mém. Acad. Sci. Petersb., (8) 29(8): 31 (*Tipula*). Type-locality: west Taymyr (USSR) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: WS (north), ES (north), FE (north).
- goriziensis** STROBL, 1893: Wien. ent. Ztg, 12: 165 (*Tipula*). Type-locality: Gorizia (Italy) (the same by lectotype des. of MANNHEIMS, 1964).—Distr.: Europe: Alps, Massif Central, Carpathians, AL, CS, D (Allgäu), I (northeast), R, YU (north); USSR: ?SET (?Uk).
- bifurcata** PIERRE, 1924: Encycl. ent. (B II) Dipt., 1: 84 (*Tipula*). Type-locality: Pavillon de Lognan, Haute Savoie (France).
- grisescens** ZETTERSTEDT, 1851: Dipt. scand., 10: 3972 (*Tipula*). Type-localities: Lund; Fogelsång (Sweden).—Distr.: Europe: widespread excl. BG, DK, E, GR, south I, IRE, NL, P and south YU; USSR: NET, CET (west), SET, WS (Altai), ES (Krasnoyarskiy kray).
- longicornis** ZETTERSTEDT, [1838]: Insecta Lapp.: 843 (*Tipula*). Type-localities: Pello (Finland); Vittangi; Jukkasjärvi; Lycksele (Sweden). [A junior primary homonym of *Tipula longicornis* LINNAEUS, 1758.]
- macrocera** ZETTERSTEDT, 1851: Dipt. scand., 10: 3967 (*Tipula*). Type-localities: Pello (Finland); Vittangi; Jukkasjärvi; Lycksele (Sweden). [A junior primary homonym of *Tipula macrocera* SAY, 1823.]
- hartigiana** THEOWALD, DUFOUR et OOSTERBROEK, 1982: Mitt. schweiz. ent. Ges., 55: 327 (*Tipula*). Type-locality: near Belvi, Sardinia (Italy).—Distr.: Europe: F (Corsica), I (Sardinia).
- holoptera** EDWARDS, 1939: Entomologists's mon. Mag., 75: 243 (*Tipula*, as subsp. of *pagana* MEIGEN). Type-localities: New Forest near Wood Crates; Crowborough; Sussex; Sutton Coldfield (Great Britain).—Distr.: Europe: CS, E (Galicia), GB (south, Wales).

- interserta** RIEDEL, 1913: Abh. Ver. naturw. Erforsch. Niederrheins (Bezirksgr. d. Lehrer. Naturk.), Krefeld, 1: 112 (*Tipula*). Type-localities: Hamburg [D]; Wien (Austria).—Distr.: Europe: Alps, CS, D, R (south), S, SF; USSR: NET, CET, SET, TC, WS (Tuva).
- invenusta** RIEDEL, 1919: Zap. ross. Akad. Nauk, (8) 28(8): 6 (*Tipula*). Type-locality: riverbanks of the Niada-jaha (USSR) (Pemal, Tobolsk district, Tyumen obl., USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: Europe: GB (Scotland), N, S, SF (north); north USSR and central Asia (Murmansk obl., Arkhangelsk obl., Komi ASSR, Novaya Zemlya, Tyumen obl., Krasnoyarskiy kray, Irkutsk obl., Yakutsk ASSR, Magadan obl., Kamchatka, Bering Is, Nizhne Amur obl.); Asia: Mongolia. [Subspecific status not known for material from the Pyrenees and CET (Li).]
- docilis** ALEXANDER, 1934: Philipp. J. Sci., 52: 434 (*Tipula*). Type-locality: Osernaya village, mouth of Osemaya river, Kamchatka (USSR).
- invenusta subinvenusta** SLÍPKA, 1950: Ent. Listy, 13: 78 and 81 (*Tipula*, as species). Type-locality: Temnosmrecinovska valley, western High Tatra (Czechoslovakia).—Distr.: Europe: Alps, Tatra, D (Allgäu), R, YU (Crna Gora); USSR: SET (west).
- jeekeli** MANNHEIMS et THEOWALD, 1959: Memorie Soc. ent. ital., 38: 49 (*Tipula*). Type-locality: Tempio Pausania, Sardinia (Italy).—Distr.: Europe: E (Galicia, Mallorca), F (south, Corsica), I (Sardinia), GR (incl. Lesvos, Naxos, Rodhos).
- kiushiensis** ALEXANDER, 1925: Ann. ent. Soc. Am., 17: 444 (*Tipula*). Type-locality: Mt. Kirishima, on boundary between Osumi and Hiuga, Kyushu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Kyushu, Shikoku).
- koreana** ALEXANDER, 1934: Philipp. J. Sci., 55: 33 (*Tipula*). Type-locality: Mt. Kongo (North Korea).—Distr.: USSR: FE (Sakhalin); Asia: North Korea, Japan (Shikoku).
- letifera** ALEXANDER, 1951: Ann. Mag. nat. Hist., (12) 4: 1084 (*Tipula*). Type-locality: Shugden Gompä, Tibet (China).—Distr.: Asia: China (SE Tibet).
- limbata** ZETTERSTEDT, [1838]: Insecta Lapp.: 842 (*Tipula*). Type-locality: Kengis (Sweden).—Distr.: Europe: Alps, Tatra, Ardennes, CS, D (north, Allgäu), DK, GB, N, R, S, SF; USSR: NET, CET (northwest), SET (west), WS (Ob delta), ES (Yakutsk ASSR), FE (Magadan obl., Kamchatka).
- vafra** RIEDEL, 1913: Abh. Ver. naturw. Erforsch. Niederrheins (Bezirksgr. d. Lehrer. Naturk.), Krefeld, 1: 51 (*Tipula*). Type-localities: Kuustö; Utsjoki (Finland).
- cupida** ALEXANDER, 1934: Philipp. J. Sci., 52: 437 (*Tipula*). Type-locality: foot of volcano Shiveluch, Kamchatka (USSR).
- lundbladi** MANNHEIMS, 1962: Notul. ent., 42: 134 (*Tipula*). Type-locality: Cara-mujo (Madeira).—Distr.: Madeira.

- macaronesica** SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 175 (*Tipula*, as new name for *Tipula virgulata* LACKSCHEWITZ, 1936, a junior primary homonym of *Tipula virgulata* WILLISTON, 1900).—Distr.: Azores.
- virgulata** LACKSCHEWITZ, 1936: Proc. R. ent. Soc. Lond. (B), 5: 118 (*Tipula*). Type-locality: north slopes of Pico (Azores).
- stenoptera** MANNHEIMS, 1962: Notul. ent., 42: 128 (*Tipula*). Type-locality: Pico Pico (Azores).
- mannheimsi** THEOWALD, 1973: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 396 (*Tipula*). Type-locality: Robilante, Cuneo (Italy).—Distr.: Europe: I (north).
- minuscula** SAVCHENKO, 1971: Zbirn. Prats zool. Mus., Kiev, 34: 57 (*Tipula*, as new name for *Tipula nana* SAVCHENKO, 1968, a junior primary homonym of *Tipula nana* MACQUART, 1834).—Distr.: USSR: FE (Kamchatka).
- nana** SAVCHENKO, 1968: Zool. Zh., 47: 1567 (*Tipula*). Type-locality: Dalne-Elizovsk district, Kamchatka (USSR).
- mohriana** ALEXANDER, 1954: Trans. Shikoku ent. Soc., 4: 28 (*Tipula*). Type-locality: Mt. Ishizuchi, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- multipicta** BECKER, 1908: Mitt. zool. Mus. Berl., 4: 81 (*Tipula*). Type-locality: Tenerife (Canary Is).—Distr.: Canary Is.
- nielsenii** MANNHEIMS et THEOWALD, 1959: Memorie Soc. ent. ital., 38: 29 (*Tipula*). Type-locality: not given (Gastein, Tirol, Austria by holotype [= lectotype] des. of MANNHEIMS and PECHLANER, 1963).—Distr.: Europe: Alps, D (Allgäu).
- nivalis** SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 208 (*Tipula*). Type-locality: Malaya Khatipara Mts, Teberda reserve, Stavropolskiy kray (USSR).—Distr.: USSR: SET (southeast), TC (Ge).
- obsoleta** MEIGEN, 1818: Syst. Besch., 1: 179 (*Tipula*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: widespread excl. AL, BG and IRE, incl. E (Pyrenees); USSR: NET, CET (northwest), SET (Uk), TC (Ge); Asia: Turkey (Trabzon).
- clandestina** MEIGEN, 1818: Syst. Besch., 1: 180 (*Tipula*). Type-locality: Austria.
- odontostyla** SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 172 (*Tipula*). Type-locality: Adler district., Krasnodarskiy kray (USSR).—Distr.: Europe: GR (Thasos); USSR: SET (Crimea, southeast).
- ornata** THEOWALD et OOSTERBROEK, 1987: Israel J. Ent., 20: 78 (*Tipula*). Type-locality: Bar'am (Israel).—Distr.: Asia: Israel.
- pagana** MEIGEN, 1818: Syst. Besch., 1: 184 (*Tipula*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: B, CH (north), CS, D, DDR, DK (incl. Faeroes), E (north), F (north, Massif Central), GB, H, IRE, L, N, NL, PL, S, SF; USSR: NET (southwest), CET (west).
- plicata** MEIGEN, 1804: Klass. Besch., 1: 73 (*Tipula*). Type-locality: not given (?near Stolberg [D]). [A junior primary homonym of *Tipula plicata* MÜLLER, 1764.]

- dispar* HALIDAY, 1833: Ent. Mag., 1: 155 (*Tipula*). Type-locality: Holywood, Downshire (Ireland).
- luridiventris* ZETTERSTEDT, [1838]: Insecta Lapp.: 844 (*Tipula*). Type-locality: Hämosänd (Sweden).
- pechlaneri** MANNHEIMS et THEOWALD, 1959: Memorie Soc. ent. ital., 38: 29 (*Tipula*). Type-locality: not given (Volderwald, near Innsbruck, Austria by holotype [= lectotype] des. of MANNHEIMS in MANNHEIMS and PECHLANER, 1963).—Distr.: Europe: Andorra, A (Tirol), CH (east); Asia: Iran (north).
- persignata** ALEXANDER, 1945: Trans. R. ent. Soc. Lond., 95: 235 (*Tipula*). Type-locality: Ompo (North Korea).—Distr.: Asia: North Korea.
- persignata tofina** ALEXANDER, 1945: Trans. R. ent. Soc. Lond., 95: 236 (*Tipula*). Type-locality: Puksu Pyaksan, Kankyo Nando (North Korea).—Distr.: Europe: N (north), S (north), SF (north); USSR: WS (Tuva), ES (Yakutsk ASSR), FE; Asia: North Korea.
- postposita** RIEDEL, 1919: Zap. ross. Akad. Nauk, (8) 28(8): 5 (*Tipula*). Type-locality: near lake Stschuschje, Polar Ural (USSR) (Polar Ural, Tobolsk district, Tyumen obl., USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: Europe: SF (north); USSR: NET (north), WS (north, Altai); Asia: Mongolia.
- rufina** MEIGEN, 1818: Syst. Besch., 1: 176 (*Tipula*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: widespread excl. AL, BG and north Fennoscandia, incl. Faeroes, IS, Corsica, Sardinia and CY, GR incl. Kefallinia and Naxos; USSR: SET (south), TC, SMA (Tj); Asia: Turkey (Hakkari), Lebanon, Israel, Iran (northwest); North Africa: Morocco, Algeria; Canary Is.
- guttipennis* MEIGEN, 1818: Syst. Besch., 1: 171 (*Tipula*). Type-locality: Portugal.
- consanguinea* MACQUART, 1838: Dipt. Exot., 1(1): 53 (*Tipula*). Type-locality: not given (Canary Is).
- parvicauda* HANSEN, 1881: Naturh. Tidsskr., (3) 13: 272 (*Tipula*). Type-locality: not given (Faeroes).
- rufina maderensis** LACKSCHEWITZ, 1936: Proc. R. ent. Soc. Lond. (B), 5: 112 (*Tipula*). Type-locality: Madeira.—Distr.: Madeira.
- sardosignata** MANNHEIMS et THEOWALD, 1959: Memorie Soc. ent. ital., 38: 48 (*Tipula*). Type-locality: Tempio Pausania, Sardinia (Italy).—Distr.: Europe: F (Corsica), I (Sardinia).
- serrulifera** ALEXANDER, 1942: Rec. Indian Mus., 44: 30 (*Tipula*, as new name for *Tipula serrulata* LACKSCHEWITZ, 1936, a junior primary homonym of *Tipula serrulata* LOEW, 1864).—Distr.: Europe: Pyrenees, Alps, D (Allgäu), CS, E (Galicia), F (Massif Central, Corsica), GB, I (north, Sardinia), YU (Crna Gora); USSR: SET (south), TC; Asia: Turkey (Artvin).

- plicata* PIERRE, 1922: Bull. Soc. ent. Fr., 1921: 264 (*Tipula*). Type-locality: Gloriettes, Hautes Pyrénées (France). [A junior primary homonym of *Tipula plicata* MÜLLER, 1764.]
- serrulata* LACKSCHEWITZ, 1936: Proc. R. ent. Soc. Lond. (B), 5: 110 (*Tipula*). Type-localities: Port de Siguer (Andorra); Wyre Forest (Great Britain).
- signata* STAEGER, 1840: Naturh. Tidsskr., 3: 11 (*Tipula*). Type-localities: Frederiksberg; Silkeborg (Denmark).—Distr.: Europe: widespread excl. I and Balkan, incl. E (Gerona); USSR: NET (Leningrad obl., Arkhangelsk obl.), CET (northwest, Uk).
- ceres* ZETTERSTEDT, 1851: Dipt. scand., 10: 3945 (*Tipula*). Type-locality: Skåne (Sweden).
- anonyma* BERGROTH, 1889: Wien. ent. Ztg, 8: 119 (*Tipula*, as new name for *Tipula marmorata*: VAN DER WULP, 1883, not MEIGEN, 1818, misidentification).
- simulans* SAVCHENKO, 1966: Fauna Ukrainy, 14(1): 199 (*Tipula*). Type-locality: Pozhizjevskaya, Tschornogori (USSR: Uk).—Distr.: Europe: CS, R (Carpathians); USSR: SET (Uk).
- staegeri* NIELSEN, 1922: Vidensk. Meddr dansk naturh. Foren., 74: 205 (*Tipula*, as new name for *Tipula signata*: VAN DER WULP, 1877, not STAEGER, 1840, misidentification).—Distr.: Europe: B, CS, D, DDR, DK (incl. Faeroes), E (north), F, GB, IRE, IS, L, N (south), NL, S (south), SF (south); USSR: CET (northwest).
- subalpium* SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 172 (*Tipula*). Type-locality: Glavniy Mts [near Tshekhshki], Krasnodarskiy kray (USSR).—Distr.: USSR: SET (south), TC.
- subnodicornis* ZETTERSTEDT, [1838]: Insecta Lapp.: 844 (*Tipula*). Type-locality: Lycksele (Sweden).—Distr.: Europe: Alps, Pyrenees, Massif Central, Carpathians, Ardennes, Tatra, BG, CS, D, DK (incl. Faeroes), GB, IRE, N, NL, R, S, SF; USSR: NET, CET (northwest), SET (Uk), WS (south), ES (south).
- subsignata* LACKSCHEWITZ, 1933: Boll. Soc. ent. ital., 65: 181 (*Tipula*). Type-locality: Monte Falterone, north Apennines (Italy).—Distr.: Europe: Harz, Alps, Apennines (north), Carpathians, BG, CS, D (Allgäu), R, YU (Crna Gora); USSR: SET.
- subvafra* LACKSCHEWITZ, 1936: Proc. R. ent. Soc. Lond. (B), 5: 111 (*Tipula*). Type-locality: Siguer gorge, Arriège (France).—Distr.: Europe: B, CH (west), D, E (north), F, NL.
- [*tetragramma* EDWARDS, 1928: Ann. Mag. nat. Hist., (10) 1: 693 (*Tipula*). Type-locality: valley west of Tsa-sa-lo, Yunnan (China).—Distr.: Asia: China (Yunnan).]
- tulipa* DUFOUR, 1983: Mitt. schweiz. ent. Ges., 56: 275 (*Tipula*). Type-locality: Vuisse (Switzerland).—Distr.: Europe: CH (south).
- villeneuvei* STROBL in CZERNY and STROBL, 1909: Verh. zool.-bot. Ges. Wien, 59: 135 (*Tipula*). Type-locality: Spain.—Distr.: Europe: E (central).

Subgenus SCHUMMELIA EDWARDS, 1931

EDWARDS, 1931: Ann. Mag. nat. Hist.: (10) 8: 80 (as subgenus of *Tipula* LINNAEUS, 1758).

Type-species: *Tipula variicornis* SCHUMMEL, 1833: Beitr. ent., Breslau, 3: 99 (orig. des.).

[After SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79, a number of eastern palaearctic species, included in *Schummelia* by ALEXANDER and others, are assigned here to *Platytipula*; see also ALEXANDER, 1965: Pacif. Insects, 7: 333-356.]

ahrensi SAVCHENKO, 1957: Zool. Zh., 36: 1494 (*Tipula*). Type-locality: Teberda state game reserve, Stavropolskiy kray (USSR) (Mirki river valley, Mychinski reserve, Teberda, USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: SET (south), TC.

butzi EDWARDS, 1928: Encycl. ent. (B II) Dipt., 4: 188 (*Tipula*). Type-locality: La Foce de Vizzavona (France).—Distr.: Europe: F (Corsica).

ishizuchiana ALEXANDER, 1954: Philipp. J. Sci., 82: 269 (*Tipula*). Type-locality: Mt. Ishizuchi, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

variicornis SCHUMMEL, 1833: Beitr. Ent., Breslau, 3: 99 (*Tipula*). Type-locality: Lissa [= near Wrocław] (Poland).—Distr.: Europe: widespread excl. AL, incl. E (Lerida) and I (north); USSR: NET, CET, SET, TC, WS, ES, FE (Sakhalin, Kuril Is); Asia: Japan (Honshu).

picticornis ZETTERSTEDT, 1855: Dipt. scand., 12: 4899 (*Tipula*). Type-locality: Öland (Sweden).

latiligula ALEXANDER, 1930: Philipp. J. Sci., 42: 509 (*Tipula*). Type-locality: Mt. Norikura, Shinano, Honshu (Japan).

variicornis incisicauda SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 106 (*Tipula*). Type-locality: near Alma Ata (USSR).—Distr.: USSR: KZ (southeast), SMA (Tu).

yerburyi EDWARDS, 1924: Entomologist's mon. Mag., 60: 84 (*Tipula*). Type-locality: Lyndhurst, New Forest (Great Britain).—Distr.: Europe: B, D, E, F, GB, IRE, NL.

zernyi MANNHEIMS, 1952:15. Tipulidae, Fliegen pal. Reg., 3(5)1: 110 (*Tipula*). Type-locality: near Bimbaum, Oberkärnten, Gailtaler Alpen (Austria).—Distr.: Europe: Alps, Massif Central, Pyrenees, Cantabria, Apennines, B (Buzenol), CS, D.

zonaria GOETGHEBUER in GOETGHEBUER and TONNOIR, 1921: Bull. Soc. ent. Belg., 3: 120 (*Tipula*). Type-locality: Denée (Belgium).—Distr.: Europe: mountains in A, B, CH, CS, I (north), R, YU (Bosnia, Crna Gora).

annulicornis MEIGEN, 1830: Syst. Besch., 6: 289 (*Tipula*). Type-locality: not given ("aus der Baumhauerischen" and "Wiedemannischen Sammlung"). [A junior primary homonym of *Tipula annulicornis* SAY, 1829.]

Subgenus SINOTIPULA ALEXANDER, 1935

ALEXANDER, 1935: Philipp. J. Sci., 57: 94 (as subgenus of *Tipula* LINNAEUS, 1758).

Type-species: *Tipula exquisita* ALEXANDER, 1935: l.c.: 95 (orig. des.).

[Several species, now in *Sinotipula*, were once assigned to *Bellardina*; the latter is considered a subgenus of the New World only.]

babai ALEXANDER, 1971: Trans. Shikoku ent. Soc., 11: 2 (*Tipula*). Type-locality: Mt. Amakazari, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

bodpa EDWARDS, 1928: Ann. Mag. nat. Hist., (10) 1: 688 (*Tipula*). Type-locality: Rongshar valley, Tibet (China).—Distr.: Asia: China (Tibet).

brunettiana ALEXANDER, 1920: Bull. Am. Mus. nat. Hist., 43: 15 (*Tipula*, as new name for *Tipula splendens* BRUNETTI, 1912, a junior primary homonym of *Tipula splendens* DOANE, 1901).—Distr.: USSR: SMA (Tj, Ki); Asia: India.

[*splendens* BRUNETTI, 1912: Fauna Brit. India, Dipt., 1: 314 (*Tipula*). Type-locality: Badrinath, Garhwal district, Uttar Pradesh (India).]

chimaera SAVCHENKO, 1969: Dopov. Akad. Nauk ukr. RSR, 1969: 653 (*Tipula*). Type-locality: river Koshka-tor floodlands, Terskei Ala-Tau (USSR: Ki).—Distr.: USSR: SMA (Ki).

differta ALEXANDER, 1955: Ann. Mag. nat. Hist., (12) 8: 660 (*Tipula*). Type-locality: Schiva, Badakhshan (Afghanistan).—Distr.: Asia: Afghanistan (north).

emiliae SAVCHENKO, 1964: Pratsi Inst. Zool. Akad. Nauk ukr. RSR, Kiev, 20: 182 (*Tipula*). Type-locality: Khangay, Shkotovsk district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

exquisita ALEXANDER, 1935: Philipp. J. Sci., 57: 95 (*Tipula*). Type-locality: Yin-Kuan-Tsai (China).—Distr.: Asia: China (Sichuan-Tibet border).

gloriosa ALEXANDER, 1935: Philipp. J. Sci., 57: 97 (*Tipula*). Type-locality: Wei-Chow, 65 mi NW Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).

griseipennis BRUNETTI, 1912: Fauna Brit. India, Dipt., 1: 321 (*Tipula*). Type-locality: Badrinath, Garhwal district, Uttar Pradesh (India).—Distr.: USSR: mountains of southeast KZ and SMA; Asia: China (Tibet, west Xinjiang); India (north), Nepal.

hobsoni EDWARDS, 1928: Ann. Mag. nat. Hist., (10) 1: 685 (*Tipula*). Type-locality: Yatung, Tibet (China).—Distr.: Asia: China (Tibet); India (Sikkim).

hutchinsonae ALEXANDER, 1936: Philipp. J. Sci., 58: 390 (*Tipula*). Type-locality: Baltistan, Kashmir (India).—Distr.: Asia: Afghanistan (northeast); India (north).

persplendens ALEXANDER, 1935: Philipp. J. Sci., 57: 99 (*Tipula*). Type-locality: Tang-Gu (China).—Distr.: Asia: China (Sichuan-Tibet border).

- schizorhyncha** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1966: Entomofauna Lesov, Moscow, 1966: 51 (*Tipula*). Type-locality: Alekhino, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- tessellatipennis** BRUNETTI, 1912: Fauna Brit. India, Dipt., 1: 317 (*Tipula*). Type-locality: Naini Tal, Kumaon, Uttar Pradesh (India).—Distr.: USSR: mountains of southeast KZ and SMA; Asia: India (north), Pakistan (west).
- thibetana** DE MEIJERE, 1904: Bijdr. Dierk., 17: 89 (*Tipula*). Type-locality: Tatsienlou, Tibet border (China).—Distr.: Asia: China (Tibet border); China (Yunnan).
- tsiosenica** ALEXANDER, 1945: Trans. R. ent. Soc. Lond., 95: 231 (*Tipula*). Type-locality: Ompo (North Korea).—Distr.: Asia: North Korea.
- waltoni** EDWARDS, 1928: Ann. Mag. nat. Hist., (10) 1: 685 (*Tipula*). Type-locality: Gyantse, Tibet (China).—Distr.: Asia: China (Tibet).
- wardi** EDWARDS, 1928: Ann. Mag. nat. Hist., (10) 1: 686 (*Tipula*). Type-locality: Doshong La, Tsangpo valley, Tibet (China).—Distr.: Asia: China (Tibet); India, Nepal.

Subgenus SIVATIPULA ALEXANDER, 1964

- ALEXANDER, 1964: Philipp. J. Sci., 93: 94 (as subgenus of *Tipula* LINNAEUS, 1758).
- Type-species: *Tipula mitocera* ALEXANDER, 1927: Rec. Indian Mus., 29: 181 (orig. des.); not Palaearctic.
- suensoniana** ALEXANDER, 1940: Lingnan Sci. J., 19: 110 (*Tipula*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

Subgenus TIPULA LINNAEUS, 1758

- atlantica** MANNHEIMS, 1962: Notul. ent., 42: 135 (*Tipula*). Type-locality: Curral das Freiras-Vasco Gil (Madeira).—Distr.: Madeira.
- hungarica** LACKSCHEWITZ, 1930: Konowia, 9: 273 (*Tipula*). Type-localities: Donnerskirchen; Weiden (Austria) (the latter by lectotype des. of MANNHEIMS, 1952).—Distr.: Europe: A, CS, H, YU.
- italica** LACKSCHEWITZ, 1930: Konowia, 9: 271 (*Tipula*). Type-localities: Ronchi near Gorizia; Forlì; Pineta di Ravenna (Italy).—Distr.: Europe: CH (south), I (incl. Sicily).
- italica errans** THEOWALD, 1984: Tijdschr. Ent., 127: 45 (*Tipula*). Type-locality: 10 km SE of Kalloni, Krionéri riverbed, Lesvos (Greece).—Distr.: Europe: F (Corsica), I (Sardinia), Balkan (GR incl. Lesvos); USSR: TC; Asia: Turkey (Trabzon), Iran (Talysh).

- kleinschmidti** MANNHEIMS, 1950: Syll. biol., Festschr. Kleinschmidt: 241 (*Tipula*). Type-locality: alpine station, Cercedilla (Spain).—Distr.: Europe: E.
- mediterranea** LACKSCHEWITZ, 1930: Konowia, 9: 270 (*Tipula*). Type-localities: Orihuela (Spain); Wienerwald (Austria); Sicily (Italy); Tenerife (Canary Is).—Distr.: Europe: A (Wienerwald), E (incl. Mallorca, Ibiza), F (south incl. Corsica), I (incl. Sardinia, Sicily), M, YU (Slovenia); North Africa: Morocco, Algeria, Tunisia; Canary Is.
- oleracea** LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 585 (*Tipula*). Type-locality: Europe (Kochem-Mosel [D], by neotype des., I.C.Z.N., Bull. zool. Nom., 37: Opinion 1160).—Distr.: Europe: widespread excl. AL, BG and N, incl. Corsica, Sardinia, Sicily, M and S (south), E (incl. Mallorca, Menorca), GR (incl. Euboea, Crete, Dhiolos, Rodhos); USSR: CET (Li, south), SET (west); North Africa: Morocco, Tunisia.
- pratensis* DE GEER, 1776: Mém. Ins., 6: 339 (*Tipula*). Type-locality: not given (?Sweden). [A junior primary homonym of *Tipula pratensis* LINNAEUS, 1758.] [Synonymy not certain.]
- submendosa* TJEDER, 1941: Opusc. ent., 6: 62 (*Tipula*, as new name for *Tipula oleracea*: authors, not LINNAEUS, 1758, misidentifications).
- orientalis** LACKSCHEWITZ, 1930: Konowia, 9: 272 (*Tipula*). Type-localities: Austria; Cyprus; Roumania; Yugoslavia; Albania; Greece; Italy; Corsica; "Transkaspien"; Egypt.—Distr.: Europe: A, AL, BG, CH (south), CS, CY, F (south), GR (incl. majority of east Mediterranean islands), H, I (incl. Sicily), R, TR, YU; USSR: SET (Uk, Mo), TC, KZ, SMA; Asia: Turkey, Syria, Lebanon, Israel, Iran, Afghanistan; North Africa: Egypt, ?Libya (?Cyrenaica); Sudan.
- paludosa** MEIGEN, 1830: Syst. Besch., 6: 289 (*Tipula*). Type-locality: near Hamburg [D].—Distr.: Europe: B, CH, CS, D, DDR, DK (incl. Faeroes), E, F (incl. Corsica), GB, H, IRE, L, N (to 68°N), NL, PL, R, S (south), SF (south), YU (north); USSR: NET (south), CET, SET; Madeira, Canary Is; Nearctic Region (introduced).
- fimbriata* MEIGEN, 1818: Syst. Besch., 1: 190 (*Tipula*). Type-locality: not given. [Suppressed by I.C.Z.N., Bull. zool. Nom., 37: Opinion 1160.]
- flavolutescens* PIERRE, 1921: Bull. Mus. natn. Hist. nat. Paris, 27: 299 (*Tipula*). Type-localities: Tafira; La Angostura (Canary Is: Gran Canaria) (La Angostura by holotype [= lectotype] des. of MANNHEIMS, 1952).
- wollastoni* LACKSCHEWITZ, 1936: Proc. R. ent. Soc. Lond. (B), 5: 112 (*Tipula*). Type-locality: Madeira.
- plumbea** FABRICIUS, 1782: Species insect., 2: 403 (*Tipula*). Type-locality: Italy (Musei, Sardinia, Italy, by neotype des. of den HOLLANDER, 1975).—Distr.: Europe: F (south), I (incl. Sardinia).
- venturii* LOI, 1964: Frustula ent., 7(2): 1 (*Tipula*). Type-locality: Fucecchio, Toscana (Italy).

- subcunctans** ALEXANDER, 1921: Ann. ent. Soc. Am., **14**: 127 (*Tipula*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, E (Mallorca), F (north, Massif Central, Corsica), GB, H, I (Sardinia, Sicily), IRE, L, N, NL, PL, R, S, SF (south), YU; USSR: NET (south), CET, SET, TC (Arm), KZ, SMA, WS (south), ES (south, Yakutsk ASSR), FE (south, incl. Sakhalin); Asia: Mongolia, China (north), Japan.
- fusca** STAEGER, 1840: Naturh. Tidsskr., **3**: 14 (*Tipula*). Type-locality: Charlottenlund (Denmark). [A junior primary homonym of *Tipula fusca* BLOCH, 1776.]
- czizeki** DE JONG, 1925: Versl. Meded. pl.-ziektenk. Dienst, Wageningen, **42**: 14 (*Tipula*). Type-locality: not given (The Netherlands).

Subgenus TRICHOTIPULA ALEXANDER, 1915

ALEXANDER, 1915: Proc. Acad. nat. Sci. Philad., **67**: 468 (as subgenus of *Tipula* LINNAEUS, 1758).

Type-species: *Tipula oropezoides* JOHNSON, 1909: Proc. Boston Soc. nat. Hist., **34**: 131 (orig. des.); not Palaearctic.

- longifimbriata** ALEXANDER, 1936: Philipp. J. Sci., **60**: 323 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- mallophora** ALEXANDER, 1936: Philipp. J. Sci., **60**: 325 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- politonigra** ALEXANDER, 1953: Philipp. J. Sci., **82**: 44 (*Tipula*). Type-locality: Awa, Mt. Tsurugi, Shikoku (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- polytricha** ALEXANDER, 1932: Philipp. J. Sci., **49**: 373 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

Subgenus TRIPLICITIPULA ALEXANDER, 1965

ALEXANDER, 1965: Pacif. Insects, **7**: 354 (as subgenus of *Tipula* LINNAEUS, 1758).

Type-species: *Tipula triplex* WALKER, 1848: List Dipt. Brit. Mus., **1**: 66 (orig. des.); not Palaearctic.

- barnesiana** ALEXANDER, 1963: Bull. Br. Mus. nat. Hist. (B), **14**: 330 (*Tipula*). Type-locality: Zayul, SE Tibet (China).—Distr.: Asia: China (Tibet).
- justa** ALEXANDER, 1935: Philipp. J. Sci., **58**: 223 (*Tipula*). Type-locality: Wei Chow, 65 mi NW Chengdu, Sichuan (China).—Distr.: USSR: WS (Tuva), ES (Buryat ASSR), FE (Khabarovskiy kray); Asia: China (Sichuan), Mongolia.

minensis ALEXANDER, 1934: Arkiv Zool., **27**(A)(17): 7 (*Tipula*). Type-locality: Kung-tze-tagga, Tsaluk valley, Min Mts, Gansu (China).—Distr.: Asia: China (Gansu).

variipetiolaris ALEXANDER, 1933: Philipp. J. Sci., **51**: 521 (*Tipula*). Type-locality: Yin-Kuan-Tsai (China).—Distr.: China (Sichuan-Tibet border).

Subgenus VESTIPLEX BEZZI, 1924

BEZZI, 1924: Annali Mus. civ. Stor. nat. Genova, **51**: 230 (as subgenus of *Tipula* LINNAEUS, 1758).

Type-species: *Tipula cisalpina* RIEDEL, 1913: Abh. Ver. naturw. Erforsch. Niederrheins (Bezirksgr. d. Lehrerver. Naturk.), Krefeld, **1**: 59 (orig. des.).

aestiva SAVCHENKO, 1960: Horae Soc. ent. ross., **47**: 198 (*Tipula*). Type-locality: Kuku Nor lake, Qinghai (China).—Distr.: Asia: China (Qinghai, Sichuan).

alyxis ALEXANDER, 1963: Bull. Br. Mus. nat. Hist. (B), **14**: 322 (*Tipula*). Type-locality: Rongtö valley, Tibet (China).—Distr.: Asia: China (Tibet).

ambigua SAVCHENKO, 1964: Fauna USSR, Dipt., **2**(4), (N.S.), 89: 226 (*Tipula*). Type-locality: Apuki, Pakhatshinsky Mts, Kamchatka (USSR).—Distr.: USSR: FE (Kamchatka).

aptera SAVCHENKO, 1955: Ent. Obozr., **34**: 292 (*Tipula*). Type-locality: Dentschu, Kam, Qinghai (China) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: Asia: China (Qinghai).

arctica CURTIS, 1835: App. Narr. Sec. Voy. Arctic Reg.: 78 (*Tipula*). Type-locality: north Canada.—Distr.: USSR: NET (north, incl. Novaya Zemlya), WS (north), ES (north, east), FE (north); Nearctic Region.

aquilonia (ERICHSOHN, 1851): Middendorff's Reise, **2**, **1**: 68 (*Nephrotoma*). Type-locality: Boganida, Taymyr (USSR).

avicularia EDWARDS, 1928: Ann. Mag. nat. Hist., (10) **1**: 689 (*Tipula*). Type-locality: Yatung, Tibet (China).—Distr.: Asia: China (Tibet); China (Yunnan), India (Sikkim, Kashmir).

avicularoides ALEXANDER, 1936: Philipp. J. Sci., **60**: 331 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

bicalcarata SAVCHENKO, 1965: Dopov. Akad. Nauk ukr. RSR, **1965**: 1523 (*Tipula*). Type-locality: Bepei near Tchuncin, Sichuan (China).—Distr.: Asia: China (Sichuan).

bifida ALEXANDER, 1921: Bull. Mus. natn. Hist. nat. Paris, (1) **27**: 539 (*Tipula*). Type-locality: gan Chouen, Guizhou (China).—Distr.: Asia: China (Zhejiang); China (Guizhou).

cisalpina RIEDEL, 1913: Abh. Ver. naturw. Erforsch. Niederrheins (Bezirksgr. d. Lehrerver. Naturk.), Krefeld, **1**: 59 (*Tipula*). Type-localities: Montagu; Scails; Trogno (Italy).—Distr.: Europe: Alps.

- handschiniana* MANNHEIMS, 1950: Bonn. zool. Beitr., 1: 73 (*Tipula*). Type-locality: Aletsch (Switzerland).
- coquillettiana* ALEXANDER, 1924: Philipp. J. Sci., 24: 605 (*Tipula*). Type-locality: Odasam, Sakhalin (USSR).—Distr.: USSR: WS (south), ES (south), FE (south, incl. Sakhalin); Asia: Japan (Hokkaido).
- coronifera* SAVCHENKO, 1960: Horae Soc. ent. ross., 47: 210 (*Tipula*). Type-locality: Lamin Gogen, SE Khangai (Mongolia).—Distr.: Asia: Mongolia.
- crolina* DUFOUR, 1992: nom. nov. Replacement name for *Tipula carolae* DUFOUR, 1984, a junior primary homonym of *Tipula carolae* LEWIS, 1973).—Distr.: Europe: High alpine A, CH, and I.
- carolae* DUFOUR, 1984: Mitt. schweiz. ent. Ges., 57: 80 (*Tipula*). Type-locality: Furka, Blau Berg (Switzerland).
- deserrata* ALEXANDER, 1934: Philipp. J. Sci., 54: 309 (*Tipula*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- distifurca* ALEXANDER, 1942: Rec. Indian Mus., 44: 44 (*Tipula*). Type-locality: round about Hurst Cottage, Bakrota hill, Dalhousie, Punjab (India).—Distr.: Asia: China (Tibet); Pakistan, India, Nepal.
- divisotergata* ALEXANDER, 1932: Philipp. J. Sci., 49: 109 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- erectiloba* ALEXANDER, 1940: Philipp. J. Sci., 71: 171 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- excisa* SCHUMMEL, 1833: Beitr. Ent., Breslau, 3: 42 (*Tipula*). Type-locality: near Wrocław (Poland) (Praded, Jeseniky, Moravia, Czechoslovakia, by neotype des. of THEOWALD and MANNHEIMS, 1962).—Distr.: Europe: Alps, CS, D (Allgäu), F, GB, H, N, PL, S, SF, mountains of Balkan except Carpathians; USSR: NET (north, incl. Novaya Zemlya), CET (Li), SET (Uk), WS (north, south), ES (north), FE (north, incl. north Kuril Is).
- speculum* ZETTERSTEDT, [1838]: Insecta Lapp.: 840 (*Tipula*). Type-locality: "Lapponia Suecica meridionalis" (Sweden).
- subunilineata* ZETTERSTEDT, [1838]: Insecta Lapp.: 841 (*Tipula*). Type-locality: "Lapponia borealis".
- octolineata* ZETTERSTEDT, 1851: Dipt. scand., 10: 3936 (*Tipula*). Type-localities: "alpes Mulfjellet et Areskutan"; Jemtland (Sweden); "alpino Norwegiae ad Suulstun Vaerdaliae" (Norway).
- excisa carpatica* ERHAN et THEOWALD, 1961: Ent. Ber., Amst., 21: 247 (*Tipula*). Type-locality: Piatra arva, Bucegi Mts (Roumania).—Distr.: Europe: R.
- factiosa* ALEXANDER, 1940: Philipp. J. Sci., 71: 173 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- fernandezi* THEOWALD, 1972: Bull. zool. Mus. Univ. Amsterdam, 2: 138 (*Tipula*). Type-locality: Santa Cruz, Tenerife (Canary Is).—Distr.: Canary Is.

- fragilicornis** RIEDEL, 1913: Abh. Ver. naturw. Erforsch. Niederrheins (Bezirksgr. d. Lehrerver. Naturk.), Krefeld, 1: 44 (*Tipula*). Type-locality: Cherchio d'Alnor (Italy).—Distr.: Europe: I.
- franzi** MANNHEIMS, 1950: Bonn. zool. Beitr., 1: 74 (*Tipula*). Type-locality: near Deichsel Spitze, Niedere Tauern (Austria).—Distr.: Europe: A (Niedere and Hohe Tauern).
- grahami** ALEXANDER, 1933: Philipp. J. Sci., 51: 516 (*Tipula*). Type-locality: Tatsienlu (China).—Distr.: Asia: China (Tibet border).
- hemapterandra** BEZZI, 1924: Annali Mus. civ. Storia nat. Genova, 51: 231 (*Tipula*). Type-localities: Valle del Chisone; Valle del Pellice; Valle de Po (Italy).—Distr.: Europe: I (northwest).
- hemiptera** MANNHEIMS, 1953: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 130 (*Tipula*). Type-locality: Bolboci, Bucegi (Roumania).—Distr.: Europe: R; USSR: SET (Uk), WS (Altai [= ?new subsp.]).
- hemiptera pyrenaei** THEOWALD, 1968: Beaufortia, 15: 193 (*Tipula*, as subsp. of *cinerea*). Type-locality: Mt. Canigou, Pyrénées Orientales (France).—Distr.: Europe: Pyrenees.
- hemiptera strobliana** MANNHEIMS, 1966: Bonn. zool. Beitr., 17: 265 (*Tipula*, as species, as new name for *Tipula cinerea* STROBL, 1895, a junior primary homonym of *Tipula cinerea* FABRICIUS, 1779).—Distr.: Europe: Alps, CS, YU (north).
- cinerea* STROBL, 1895: Mitt. naturw. Ver. Steierm., 31: 207 (*Tipula*, as var. of *excisa* SCHUMMEL). Type-localities: Bösenstein; Kalbling (Austria) (the latter by lectotype des. of THEOWALD and MANNHEIMS, 1962).
- himalayensis** BRUNETTI, 1911: Rec. Indian Mus., 6: 252 (*Tipula*). Type-locality: Darjeeling (India).—Distr.: Asia: China (Tibet); India, Indochina.
- hirticeps** SAVCHENKO, 1960: Horae Soc. ent. ross., 47: 176 (*Tipula*). Type-locality: lake Baikal, Irkutsk obl. (USSR).—Distr.: USSR: WS (Tuva), ES (Irkutsk obl.).
- hortorum** LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 585 (*Tipula*). Type-locality: Europe.—Distr.: Europe: widespread excl. AL, BG, E, GR, IRE and north Fennoscandia, incl. I (north); USSR: NET, CET, SET.
- immota** ALEXANDER, 1935: Philipp. J. Sci., 56: 530 (*Tipula*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- inquinata** ALEXANDER, 1938: Philipp. J. Sci., 66: 446 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- jakut** ALEXANDER, 1934: Philipp. J. Sci., 52: 316 (*Tipula*). Type-locality: between Ayan and Nelkan, valley of the Tongi river (USSR).—Distr.: USSR: ES, FE (Khabarovskiy kray).
- kamchatkana** ALEXANDER, 1934: Philipp. J. Sci., 52: 400 (*Tipula*). Type-locality: alpine zone of Shiveluch range, Kamchatka (USSR).—Distr.: USSR: WS (Altai, Tuva), FE (Magadan obl., Kamchatka, Kuril Is); Asia: Mongolia.

- kashkarovi** STACKELBERG, 1944: Izv. Akad. Nauk SSSR, Ser. Biol., **5**: 267 and 270 (*Tipula*). Type-locality: S Karakola, Terskey Alatau (USSR: Ki) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: KZ (southeast), SMA (Ki); Asia: China (Sichuan).
- kiritshenkoi** SAVCHENKO, 1960: Horae Soc. ent. ross., **47**: 213 (*Tipula*). Type-locality: Lamin Gogen, SE Khangai (Mongolia).—Distr.: USSR: WS (Tuva); Asia: Mongolia.
- kosswigi** MANNHEIMS, 1953: 15. Tipulidae, Fliegen pal. Reg., **3**(5)1: 135 (*Tipula*). Type-locality: Uludag, Bursa (Turkey).—Distr.: Asia: Turkey (Bursa).
- kozlovi** SAVCHENKO, 1960: Horae Soc. ent. ross., **47**: 178 (*Tipula*). Type-locality: Orin Nor lake, Qinghai (China).—Distr.: Asia: China (Qinghai, Sichuan).
- kuwayamai** ALEXANDER, 1921: Ann. ent. Soc. Am., **14**: 130 (*Tipula*). Type-locality: Sapporo, Maruyama, Hokkaido (Japan).—Distr.: USSR: FE (south, incl. Sakhalin); Asia: China (Qinghai), Japan (Hokkaido, Honshu).
- kwanhsienana** ALEXANDER, 1934: Philipp. J. Sci., **54**: 311 (*Tipula*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- laccata** LUNDSTRÖM et FREY, 1916: Acta Soc. Fauna Flora fenn., **44**(2): 22 (*Tipula*). Type-locality: Ponoy, Kola peninsula (USSR) (the same by lectotype des. of MANNHEIMS, 1971).—Distr.: Europe: N (as far south as Dovre), S (north), SF (north); USSR: NET (north), WS (south), ES (south), FE (south); Asia: Mongolia.
- dulkeiti** SAVCHENKO, 1954: Trudy zool. Inst., Leningr., **15**: 195 (*Tipula*). Type-locality: Torej Nor lake, Borzinskiy district, Chitinsk obl. (USSR) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).
- cinerascens** SAVCHENKO, 1954: Trudy zool. Inst., Leningr., **15**: 197 (*Tipula*, as var. of *dulkeiti*). Type-locality: not given (near lake Teplogo, Gorno-Altai AO, USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).
- leucoprocta** MIK in HEYDEN, 1889: Horae Soc. ent. ross., **23**: 107 (*Tipula*). Type-locality: east Kirghiz SSR (USSR).—Distr.: USSR: KZ, SMA, WS (Altai); Asia: China (Xinjiang).
- hedini** ALEXANDER, 1934: Arkiv Zool., **27**(A)(17): 4 (*Tipula*). Type-locality: Fu-shu-shi, Tien Mts, Xinjiang (China).
- longitudinalis** NIELSEN, 1929: Notul. ent., **9**: 49 (*Tipula*). Type-locality: Omsk (USSR).—Distr.: USSR: WS, ES, FE (Khabarovskiy kray); Asia: Mongolia.
- mediovittata** MIK in HEYDEN, 1889: Horae Soc. ent. ross., **23**: 103 (*Tipula*). Type-locality: east Kirghiz SSR (USSR).—Distr.: USSR: KZ (Dzhungarskiy Alatau), SMA (east); Asia: ?China (?Gansu).
- hummeli** ALEXANDER, 1934: Arkiv Zool., **27**(A)(17): 2 (*Tipula*). Type-locality: Kina, Gansu (China). [Synonymy not certain.]
- montana** CURTIS, 1834: Brit. Ent., **11**: 493 (*Tipula*). Type-localities: Skiddaw; mountains in Scotland (Great Britain).—Distr.: Europe: Alps, Massif Central, Pyrenees, CS, GB, mountains of Balkan except GR; USSR: ?SET (?Uk).

- montana excisoides** ALEXANDER, 1934: Philipp. J. Sci., **52**: 398 (*Tipula*, as species). Type-locality: Ayan, Kamchatka (USSR).—Distr.: USSR: NET (north, incl. Novaya Zemlya), WS (north), ES (north), FE (north, Kamchatka, Kuril Is).
- montana verberneae** MANNHEIMS et THEOWALD, 1959: *Memorie Soc. ent. ital.*, **38**: 53 (*Tipula*, as species). Type-locality: Abisko, Torne Lappmark (Sweden).—Distr.: Europe: N (as far south as Oppedal), S, SF (north); USSR: NET (north, incl. Novaya Zemlya), WS (north).
- nigrocostata** ALEXANDER, 1925: *Ann. ent. Soc. Am.*, **17**: 445 (*Tipula*). Type-locality: Mt. Kirishima, on boundary between Osumi and Hiuga, Kyushu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- sakaguchiana* ALEXANDER, 1933: Philipp. J. Sci., **51**: 379 (*Tipula*). Type-locality: Kaisogun, Kii, Honshu (Japan).
- nubeculosa** MEIGEN, 1804: *Klass. Besch.*, **1**: 70 (*Tipula*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: widespread excl. AL and E, incl. I (north) and GR (north); USSR: NET, CET, SET; Asia: Mongolia.
- rubripes* SCHUMMEL, 1833: *Beitr. Ent.*, Breslau, **3**: 49 (*Tipula*). Type-locality: near Wrocław (Poland).
- guttulifera* ZETTERSTEDT, [1838]: *Insecta Lapp.*: 840 (*Tipula*). Type-locality: Jukkasjärvi (Sweden).
- pseudoscripta* PIERRE, 1921: *Bull. Soc. ent. Fr.*, **1921**: 48 (*Tipula*). Type-locality: Forêt de Rambouillet, Paris (France).
- nubila** SAVCHENKO, 1960: *Horae Soc. ent. ross.*, **47**: 184 (*Tipula*). Type-locality: Dzagyn Gol, watershed of the Yangtze and the Huang Ho, Qinghai (China).—Distr.: Asia: China (Qinghai).
- opilionimorpha** SAVCHENKO, 1955: *Ent. Obozr.*, **34**: 294 (*Tipula*). Type-locality: Dzharin gol river, E Tibet (China) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: Asia: China (Qinghai, Tibet).
- [**opilionimorpha aligera** SAVCHENKO, 1956: *Ent. Obozr.*, **35**: 127 (*Tipula*). Type-locality: Ladakh, Kashmir (India) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: Asia: India (Kashmir).]
- optanda** ALEXANDER, 1935: Philipp. J. Sci., **56**: 529 (*Tipula*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pallidicosta** PIERRE, 1924: *Encycl. ent. (B II) Dipt.*, **1**: 86 (*Tipula*). Type-locality: La Foce, Corsica (France).—Distr.: Europe: Galicia, Cantabria, Pyrenees, Alps, Apennines, F (Corsica), I (Sardinia), N (north), S, SF, mountains of AL, BG, GR (north), R, and YU; USSR: SET (Uk); Asia: Turkey (Konya, Trabzon, Kars).
- filifera* RIEDEL in LACKSCHEWITZ, 1933: *Norsk ent. Tidsskr.*, **3**: 246 (*Tipula*). Type-locality: not given.
- vicina* LACKSCHEWITZ, 1936: *Trudy zool. Inst., Leningr.*, **4**: 262 (*Tipula*, as [unnecessary] new name for *Tipula filifera*).

- mimica* ALEXANDER, 1952: Rec. Indian Mus., **50**: 326 (*Tipula*, as [unnecessary] new name for *Tipula vicina*).
- pallidicosta pullata* SAVCHENKO, 1960: Horae Soc. ent. ross., **47**: 150 (*Tipula*). Type-locality: upper reaches of the Belaya, Krasnodarskiy kray (USSR).—Distr.: USSR: SET, TC.
- pallitergata* ALEXANDER, 1934: Philipp. J. Sci., **52**: 401 (*Tipula*). Type-locality: Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: FE (south); Asia: Mongolia.
- pauilla* SAVCHENKO, 1960: Horae Soc. ent. ross., **47**: 157 (*Tipula*). Type-locality: Dza-chi, Yangtze valley, Sichuan (China).—Distr.: Asia: China (Sichuan).
- relicta* DIA et THEOWALD, 1982: Bull. zool. Mus. Univ. Amsterdam, **9**: 21 (*Tipula*). Type-locality: Naaba es Safa, near Ain Zhalta, 40 km of Beyrouth (Lebanon).—Distr.: Asia: Lebanon, Israel.
- riedeliana* MANNHEIMS, 1953: 15. Tipulidae, Fliegen pal. Reg., **3(5)1**: 132 (*Tipula*). Type-locality: Monte Rosa (Italy).—Distr.: Europe: I (northwest).
- rongtoensis* ALEXANDER, 1963: Bull. Br. Mus. nat. Hist. (B), **14**: 325 (*Tipula*). Type-locality: Rongtö valley, Tibet (China).—Distr.: Asia: China (Tibet).
- saccai* MANNHEIMS, 1950: Bonn. zool. Beitr., **1**: 71 (*Tipula*). Type-locality: Colle degli Uccelli, Cima d'Asta Mts (Italy).—Distr.: Europe: I (Alps).
- scandens* EDWARDS, 1928: Ann. Mag. nat. Hist., (10) **1**: 691 (*Tipula*). Type-locality: Phusi-La, Tibet (China).—Distr.: Asia: China (Tibet).
- scripta* MEIGEN, 1830: Syst. Besch., **6**: 286 (*Tipula*). Type-locality: near Stolberg [D].—Distr.: Europe: widespread excl. AL, incl. E (north) and GR (north); USSR: NET, CET, SET, WS (south), KZ, ES (south).
- scripta hartigi* MANNHEIMS, 1950: Bonn. zool. Beitr., **1**: 76 (*Tipula*, as species). Type-locality: near Casa Cantoniera, Etna, Sicily (Italy).—Distr.: Europe: I (Sicily).
- scripta immunda* ALEXANDER, 1934: Philipp. J. Sci., **52**: 403 (*Tipula*, as species). Type-locality: Nodeska bay, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).
- scripta intermixta* RIEDEL, 1913: Abh. Ver. naturw. Erforsch. Niederheins (Bezirksgr. d. Lehrerver. Naturk.), Krefeld, **1**: 40 (*Tipula*, as species). Type-localities: Escorial; Orihuela (Spain) (Fontpédrous, Pyr. Or., France, by neotype des. of THEOWALD, 1970).—Distr.: Europe: E, F (Pyrenees).
- semivittata* SAVCHENKO, 1960: Horae Soc. ent. ross., **47**: 148 (*Tipula*). Type-locality: upper reaches of the Belaya, Krasnodarskiy kray (USSR).—Distr.: USSR: SET, TC; Asia: Turkey (Giresun, Artvin).
- semivittata dissimilis* SAVCHENKO, 1964: Fauna USSR, Dipt., **2(4)**, (N.S.), **89**: 163 (*Tipula*). Type-locality: Ordzhonikidze (USSR: Ge).—Distr.: USSR: TC (Ge).

- serricauda** ALEXANDER, 1914: Can. Ent., **46**: 237 (*Tipula*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- asio** ALEXANDER, 1918: JI N.Y. ent. Soc., **26**: 68 (*Tipula*). Type-locality: Shinano, Honshu (Japan).
- serridens** ALEXANDER, 1920: Trans. Am. ent. Soc., **46**: 18 (*Tipula*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- setigera** SAVCHENKO, 1960: Horae Soc. ent. ross., **47**: 161 (*Tipula*). Type-locality: Naminchich pass, NW Labrana (35°N/102°E) (China).—Distr.: Asia: China (Qinghai).
- sexspinosa** STROBL, 1898: Mitt. naturw. Ver. Steierm., **34**: 292 (*Tipula*). Type-locality: Koralps (Austria) (the same by lectotype des. of MANNHEIMS, 1952).—Distr.: Europe: A (Koralps).
- ebneri** MANNHEIMS, 1953: 15. Tipulidae, Fliegen pal. Reg., **3**(5)1: 132 (*Tipula*). Type-locality: Koralps, Steiermark (Austria).
- sintenisi** LACKSCHEWITZ, 1933: Norsk ent. Tidsskr., **3**: 246 (*Tipula*). Type-locality: "Ostbaltikum" (USSR).—Distr.: Europe: S, SF (north); USSR: NET (north), CET (northwest), ES (south), FE (north, incl. Kamchatka).
- transbaiklica** ALEXANDER, 1934: Philipp. J. Sci., **52**: 406 (*Tipula*). Type-locality: Borochoyeva, east Siberia (USSR).
- subcentralis** ALEXANDER, 1918: JI N.Y. ent. Soc., **26**: 73 (*Tipula*). Type-locality: Kamchatka (USSR).—Distr.: USSR: WS (Tuva), ES, FE (incl. Kamchatka, Sakhalin); Asia: Mongolia.
- subscripta** EDWARDS, 1928: Ann. Mag. nat. Hist., (10) **1**: 689 (*Tipula*). Type-locality: east of Janula, Tibet (China).—Distr.: Asia: China (Tibet); China (Yunnan).
- subtestata** ALEXANDER, 1938: Philipp. J. Sci., **66**: 447 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- tchukchi** ALEXANDER, 1934: Philipp. J. Sci., **52**: 408 (*Tipula*). Type-locality: Markova, Anadyr gulf, Chuckchiland (USSR).—Distr.: Europe: S (north), SF (north); USSR: ES (north), FE (north, incl. Kamchatka); Asia: Mongolia.
- bo** MANNHEIMS, 1967: Notul. ent., **47**: 148 (*Tipula*). Type-locality: Mt. Saana (Finland).
- tchukchi obtusidens** SAVCHENKO, 1964: Fauna USSR, Dipt., **2**(4), (N.S.), 89: 205 (*Tipula*, as subsp. of *laccata* LUNDSTRÖM et FREY). Type-locality: Tkantshy river, Sikhote Alin, Primorskiy kray (USSR).—Distr.: USSR: FE (south, incl. Sakhalin).
- teshionis** ALEXANDER, 1921: Insecutor Inscit. menstr., **9**: 185 (*Tipula*). Type-locality: Teshio, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- testata** ALEXANDER, 1935: Philipp. J. Sci., **57**: 119 (*Tipula*). Type-locality: Beh-Luh-Din, 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).

- tumididens** SAVCHENKO, 1988: Vestn. zool., 1988(3): 19 (*Tipula*). Type-locality: Syntar river, Zajmyakone, Yakutsk ASSR (USSR).—Distr.: USSR: ES (east Yakutsk ASSR).
- tumulta** ALEXANDER, 1934: Philipp. J. Sci., 52: 314 (*Tipula*). Type-locality: Mupin, Sichuan (China).—Distr.: Asia: China (Sichuan).
- vaillantii** THEOWALD, 1977: Ent. Ber., Amst., 37: 8 (*Tipula*). Type-locality: Rass Keltoum (Algeria).—Distr.: North Africa: Algeria, Tunisia.
- verecunda** ALEXANDER, 1924: Philipp. J. Sci., 24: 606 (*Tipula*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu).
- virgatula** RIEDEL, 1913: Abh. Ver. naturw. Erforsch. Niederheins (Bezirksgr. d. Lehrerver. Naturk.), Krefeld, 1: 58 (*Tipula*). Type-locality: North Mongolia. —Distr.: USSR: WS (south), ES (south); Asia: Mongolia, China (northwest).
- subcarinata** ALEXANDER, 1921: Bull. Mus. natn. Hist. nat. Paris, (1) 27: 347 (*Tipula*). Type-locality: Ruins of Khara-Balgassoun (Mongolia).
- edentata** ALEXANDER, 1921: Bull. Mus. natn. Hist. nat. Paris, (1) 27: 349 (*Tipula*). Type-locality: Mongolia. [Synonymy not certain.]
- virgatula montivaga** SAVCHENKO, 1960: Horae Soc. ent. ross., 47: 194 (*Tipula*, as subsp. of *subcarinata*). Type-locality: Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki).
- wrangeliiana** STACKELBERG, 1944: Izv. Akad. Nauk SSSR, Ser. Biol., 5: 265, 269 (*Tipula*). Type-locality: Wrangel Is (USSR) (Rodzhersa bay, Wrangel Is, USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987). —Distr.: USSR: FE (Wrangel Is, Magadan obl.).
- zayulensis** ALEXANDER, 1963: Bull. Br. Mus. nat. Hist. (B), 14: 328 (*Tipula*). Type-locality: Ata Kang, Tibet (China).—Distr.: Asia: China (Tibet).

Subgenus YAMATOTIPULA MATSUMURA, 1916

- MATSUMURA, 1916: Thousand Ins. Japan, Add. 2: 461 (as n. sp., error).
Type-species: *Yamatotipula nohirae* MATSUMURA, 1916: l.c.: 460 and 461 (orig. des.) [= *nova* WALKER, 1848].
- aino** ALEXANDER, 1914: Can. Ent., 46: 209 (*Tipula*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE; Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu), "Korea".
- albifrons** SAVCHENKO in SAVCHENKO and VIOLOVICH, 1967: Annls zool. Warsz., 25: 343 and 362 (*Tipula*). Type-locality: upper reaches of the Mogen-Buren river, Tuva (USSR).—Distr.: USSR: WS (Tuva).
- amblyostyla** SAVCHENKO, 1968: Dopov. Akad. Nauk ukr. RSR, 1968: 766 (*Tipula*). Type-locality: Dalny, Kamchatka (USSR).—Distr.: USSR: FE (Kamchatka).

- anceps** SAVCHENKO, 1965: New and little known species of the Siberian Fauna: 29 (*Tipula*). Type-locality: Susuman, Magadan obl. (USSR).—Distr.: USSR: FE (Magadan obl.); ?Nearctic Region.
- [*toklatensis* ALEXANDER, 1968: Gt Basin Nat., 28: 17 (*Tipula*). Type-locality: Toklat river, McKinley national park, Alaska (USA).] [Synonymy not certain.]
- aviceniana** SAVCHENKO, 1954: Trudy zoomus. KDU, 4: 114 (*Tipula*). Type-locality: not given (Kondara, Varzob river valley, Tajik, USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: KZ, SMA (Tj).
- bitumidosa** ALEXANDER, 1971: Trans. Shikoku ent. Soc., 11: 5 (*Tipula*). Type-locality: Kitakanbara, Sugatani, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- caesia** SCHUMMEL, 1833: Beitr. Ent., Breslau, 3: 65 (*Tipula*). Type-localities: near Zobten; near Lissa [= near Wrocław] (Poland).—Distr.: Europe: widespread excl. BG, DK, GB, IRE, N, S and SF, incl. GR (north); USSR: NET, CET, SET, TC; Asia: Turkey.
- caucasimontana** SAVCHENKO, 1955: Zool. Zh., 34: 834 (*Tipula*). Type-locality: Teberda, Stavropolskiy kray (USSR) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: SET (southeast), TC (Az); Asia: Turkey (Hakkari).
- coerulescens** LACKSCHEWITZ, 1923: Arb. NaturfVer. Riga (N.F.), 15: 9 (*Tipula*). Type-localities: several localities in "Ostbaltikum" (USSR).—Distr.: Europe: B, CS, D, DDR, DK, F (Puy de Dôme), GB, N, NL, PL, R (northeast), S, SF; USSR: NET (southwest), CET (northwest, Uk), SET (Uk).
- couckeii** TONNOIR in GOETGHEBUER and TONNOIR, 1921: Bull. Soc. ent. Belg., 3: 118 (*Tipula*). Type-localities: Suthendael; Jupille; Francorchamps (Belgium).—Distr.: Europe: widespread excl. E, GR, I and YU; USSR: NET, CET, SET, WS (Altai, Tuva), ES (Krasnoyarskiy kray).
- gracilenta* LACKSCHEWITZ, 1923: Arb. NaturfVer. Riga (N.F.), 15: 10 (*Tipula*). Type-localities: several localities in "Ostbaltikum" (USSR).
- fendleri** MANNHEIMS, 1963: Notul. ent., 43: 69 (*Tipula*). Type-locality: 60 km SE Kilpisjärvi lake (Finland).—Distr.: Europe: SF (north).
- fenestrella** THEOWALD, 1980: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 514 (*Tipula*, as new name for *Tipula fenestrata* SCHUMMEL, 1833, a junior primary homonym of *Tipula fenestrata* CEDERHIELM, 1798).—Distr.: Europe: A, CS, H, PL, SF; USSR: NET (southwest), CET (Li, Est, Bashkir ASSR).
- fenestrata* SCHUMMEL, 1833: Beitr. Ent., Breslau, 3: 59 (*Tipula*). Type-localities: near Wrocław; near Canth (Poland).
- freyana** LACKSCHEWITZ, 1936: Trudy zool. Inst., Leningr., 4: 292 (*Tipula*). Type-locality: Kantalaks (USSR).—Distr.: Europe: S (north), SF (north); USSR: NET (Karelsk ASSR), ES (Taymyr); Asia: North Korea.

- frejana abscondita** SAVCHENKO, 1964: Fauna USSR, Dipt., 2(4), (N.S.), 89: 495 (*Tipula*, as new name for *Tipula frejana monochroa* SAVCHENKO, 1961, a junior primary homonym of *Tipula monochroa* WIEDEMANN, 1828).—Distr.: USSR: ES (Lena delta).
- monochroa** SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 252 (*Tipula*). Type-locality: Lena delta (USSR).
- hamata** SAVCHENKO, 1953: Trudy zoomus. KDU, 3: 104 (*Tipula*). Type-localities: several localities in the Kazakh SSR and Kirghiz SSR (USSR) (Orlovka, Leninpol district, Talassk obl., Kirghiz SSR, USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: KZ, SMA (Ki); Asia: Mongolia.
- hamatula** SAVCHENKO, 1971: Zbirn. Prats zool. Mus., Kiev, 34: 57 (*Tipula*, as [unnecessary] new name for *Tipula hamata* SAVCHENKO, 1954, not a junior primary homonym of *Tipula hamata* ALEXANDER, 1915, nomen nudum).
- incana** SAVCHENKO, 1955: Zool. Zh., 34: 832 (*Tipula*). Type-locality: not given (Molotovabad (Pyandsh), Vakhsh river, Tajik SSR, USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: KZ, SMA (Tj); Asia: China (northwest).
- jucunda** SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 244 (*Tipula*). Type-locality: Yuzhno-Sakhalinsk, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).
- kamikochiensis** ALEXANDER, 1941: Philipp. J. Sci., 76: 30 (*Tipula*). Type-locality: Kamikochi, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- koikei** ALEXANDER, 1971: Trans. Shikoku ent. Soc., 11: 6 (*Tipula*). Type-locality: Kitakanbara, Sugatani, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- latemarginata** ALEXANDER, 1921: Ann. ent. Soc. Am., 14: 128 (*Tipula*). Type-locality: Kairakuyen, Sapporo, Hokkaido (Japan).—Distr.: USSR: WS (Altai, Tuva), ES (Krasnoyarskiy kray), FE (incl. Sakhalin, Kuril Is); Asia: Japan (Hokkaido), China (Hebei).
- trifida** ALEXANDER, 1921: Ann. ent. Soc. Am., 14: 129 (*Tipula*). Type-locality: Sapporo, Hokkaido (Japan). [Synonymy not certain.]
- fumida** ALEXANDER, 1924: Philipp. J. Sci., 24: 602 (*Tipula*). Type-locality: Kushiro, Hokkaido (Japan). [Synonymy not certain.]
- parvincisa** ALEXANDER, 1934: Philipp. J. Sci., 52: 311 (*Tipula*). Type-locality: Tigrovoy, Partisansk district, Primorskiy kray (USSR).
- latemarginata platyspatha** ALEXANDER, 1971: Trans. Shikoku ent. Soc., 11: 8 (*Tipula*). Type-locality: Mt. Amakazari, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- lateralis** MEIGEN, 1804: Klass. Beschr., 1: 67 (*Tipula*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: widespread excl. Corsica and Sardinia, incl. Faeroes and Sicily, E incl. Mallorca, GR incl. majority of east Mediter-

- ranean islands; USSR: NET, CET (Est, Li, Uk), SET, TC, SMA (Tu); Asia: Turkey, Syria, Lebanon, Israel.
- lateralis barbarensis** THEOWALD et OOSTERBROEK, 1980: *Beaufortia*, **30**: 180 (*Tipula*). Type-locality: Settifatma, Toubkal Massif, High Atlas (Morocco).—Distr.: North Africa: Morocco, Algeria, ?Libya (?Cyrenaica).
- lateralis iranensis** THEOWALD, 1978: *Bull. zool. Mus. Univ. Amsterdam*, **6**: 70 (*Tipula*). Type-locality: Tabriz, Azerbaidjan (Iran).—Distr.: USSR: SMA (Kara Kala); Asia: Turkey (Bitlis), Iran.
- lionota** HOLMGREN, 1883: *Ent. Tidskr.*, **4**: 188 (*Tipula*). Type-locality: Gåskap, Novaya Zemlya (USSR).—Distr.: USSR: NET (north, incl. Novaya Zemlya), ES (north), FE (north); Nearctic Region.
- lucifera** SAVCHENKO, 1954: *Trudy zoomus. KDU*, **4**: 109 (*Tipula*). Type-locality: not given (Astrabad, Kazakhstan, USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: CET/SET (Voronezh obl., Kiev obl., Kharkov obl.), KZ.
- machidai** ALEXANDER, 1933: *Philipp. J. Sci.*, **50**: 132 (*Tipula*). Type-locality: Mitake, Musashi, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- marginella** THEOWALD, 1980: *15. Tipulidae, Fliegen pal. Reg.*, **3(5)1**: 514 (*Tipula*, as new name for *Tipula marginata* MEIGEN, 1818, a junior primary homonym of *Tipula marginata* FOURCROY, 1785).—Distr.: Europe: B, CH, CS, D, DDR, DK, E (Galicia), F (incl. Corsica), GB, I (north), N, NL, PL, R, S, SF; USSR: NET (southwest), CET (west), SET (Uk).
- marginata* MEIGEN, 1818: *Syst. Besch.*, **1**: 173 (*Tipula*). Type-locality: not given (?near Stolberg [D]).
- misakana** ALEXANDER, 1953: *Philipp. J. Sci.*, **82**: 48 (*Tipula*, as "*misabana*"). Type-locality: Misaka pass, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- moesta** RIEDEL, 1919: *Zap. ross. Akad. Nauk*, (8) **28(8)**: 8 (*Tipula*). Type-locality: Kara river, Karskaya tundra (USSR) (the same by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: Europe: N (north), S (north), SF (north); USSR: NET (north), WS (north), ES (north).
- simplicicornis* LUNDSTRÖM, 1912: *Acta Soc. Fauna Flora fenn.*, **36(1)**: 45 (*Tipula*). Type-localities: Utsjoki; Muonio; Karasuando (Finland). [A junior primary homonym of *Tipula simplicicornis* ZETTERSTEDT, [1838].]
- haplocera* BERGROTH, 1922: *Ent. Meddr*, **14**: 19 (*Tipula*, as [unnecessary] new name for *Tipula simplicicornis*).
- moesta chonsaniana** ALEXANDER, 1945: *Trans. R. ent. Soc. Lond.*, **95**: 234 (*Tipula*, as species). Type-locality: Chonsani (North Korea).—Distr.: USSR: WS (Tuva), FE (Primorskiy kray); Asia: North Korea.
- montium** EGGER, 1863: *Verh. zool.-bot. Ges. Wien*, **13**: 1103 (*Tipula*). Type-locality: Gmunden (Austria).—Distr.: Europe: widespread excl. BG and GR, incl. E (Pyrenees) and I (northwest); USSR: NET (southwest), CET (northwest, Uk), SET (Uk), WS (Tuva), ES (Krasnoyarskiy kray).

- aequinoctialis* WESTHOFF, 1879: Jber. westf. ProvVer. Wiss. Kunst, 8: 45 (*Tipula*, as var. of *lateralis* MEIGEN). Type-locality: Westfalen [D].
- lundstroemi* STRAND, 1914: Nyt Mag. Naturvid., 51: 327 (*Tipula*). Type-locality: Austad in Säersdalen (Sweden). [Synonymy not certain.]
- pseudolateralis* TONNOIR in GOETGHEBUER and TONNOIR, 1921: Bull. Soc. ent. Belg., 3: 116 (*Tipula*). Type-localities: Flavion; Hermeton; Ile Moncin (Belgium).
- montium afriberia** THEOWALD et OOSTERBROEK, 1980: Beaufortia, 30: 182 (*Tipula*). Type-locality: north Oukaïmeden, High Atlas (Morocco).—Distr.: Europe: E; North Africa: Morocco, Algeria, Tunisia.
- montium italia** THEOWALD, DUFOUR et OOSTERBROEK, 1982: Mitt. schweiz. ent. Ges., 55: 325 (*Tipula*). Type-locality: Monte Oliveto, Sila Grande, Calabria (Italy).—Distr.: Europe: CH (southeast), F (Corsica), I (incl. Sardinia, Sicily).
- nigrolamina** ALEXANDER, 1950: Ann. ent. Soc. Am., 43: 418 (*Tipula*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- nova** WALKER, 1848: List Dipt. Brit. Mus., 1: 71 (*Tipula*). Type-locality: Hong Kong.—Distr.: Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu), China (except west); Taiwan, India.
- nohirae* (MATSUMURA, 1916): Thousand Ins. Japan, Add. 2: 460 and 461 (*Yamatotipula*). Type-locality: Kyoto, Honshu (Japan).
- ompoensis** ALEXANDER, 1945: Trans. R. ent. Soc. Lond., 95: 233 (*Tipula*). Type-locality: Ompo (North Korea).—Distr.: Asia: North Korea.
- ompoensis labiosa** ALEXANDER, 1945: Trans. R. ent. Soc. Lond., 95: 234 (*Tipula*). Type-locality: Puksu Pyaksan, Kankyo Nando (North Korea).—Distr.: Asia: North Korea.
- patagiata** ALEXANDER, 1924: Ann. Mag. nat. Hist., (9) 14: 465 (*Tipula*). Type-locality: Mt. Moiwa, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: USSR: FE (Khabarovskiy kray); Asia: Japan (Hokkaido, Honshu, Shikoku).
- pierrei** TONNOIR in GOETGHEBUER and TONNOIR, 1921: Bull. Soc. ent. Belg., 3: 117 (*Tipula*). Type-localities: Etterbeek; Anderlecht (Belgium).—Distr.: Europe: widespread excl. AL, BG, E, GR, and I, incl. YU (Serbia); USSR: NET, CET, SET, KZ, WS, ES, FE (incl. Kuril Is); Asia: Mongolia, China (Qinghai, Xinjiang).
- solstitialis* WESTHOFF, 1879: Jber. westf. ProvVer. Wiss. Kunst, 8: 45 (*Tipula*, as var. of *lateralis* MEIGEN). Type-locality: Westfalen [D]. [A junior primary homonym of *Tipula solstitialis* PALLAS, 1771.]
- mongolica* ALEXANDER, 1921: Bull. Mus. natn. Hist. nat. Paris, (1) 27: 349 (*Tipula*). Type-locality: Massif montagneux entre les vallées de la Fola et de l'Orkhon (Mongolia). [Synonymy not certain.]

- ferruginea* LACKSCHEWITZ, 1923: Arb. NaturfVer. Riga (N.F.), 15: 11 (*Tipula*). Type-localities: several localities in "Ostbaltikum" (USSR). [A junior primary homonym of *Tipula ferruginea* FABRICIUS, 1805.]
- morigera* ALEXANDER, 1934: Philipp. J. Sci., 52: 309 (*Tipula*). Type-locality: Kamen-Rybolov, lake Chanka, Primorskiy kray (USSR).
- poliocephala* ALEXANDER, 1921: Bull. Mus. natn. Hist. nat. Paris, (1) 27: 346 (*Tipula*). Type-locality: Se-Tchouen (China).—Distr.: Asia: China (Sichuan, Jiangsu, Zhejiang).
- protrusa* ALEXANDER, 1934: Philipp. J. Sci., 52: 312 (*Tipula*). Type-locality: Jakovlevka, Spassk district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- pruinosa* WIEDEMANN, 1817: Zool. Mag., Kiel, 1: 64 (*Tipula*). Type-locality: Holstein [D].—Distr.: Europe: widespread excl. AL, BG, E, GR and north Fennoscandia, incl. I (north) and YU (central); USSR: NET, CET, SET, TC, KZ, WS, ES, FE (Magadan obl.); Asia: Mongolia.
- pruinosa stackelbergi* ALEXANDER, 1934: Philipp. J. Sci., 52: 305 (*Tipula*, as species). Type-locality: Tigrovoy, Partisansk district, Primorskiy kray (USSR).—Distr.: Europe: S (north), SF (north); USSR: ES (Yakutsk ASSR), FE (Primorskiy kray).
- usuriensis* ALEXANDER, 1925: Proc. U.S. natn. Mus., 68(4): 18 (*Tipula*). Type-locality: Amuga, Kudia river, Siberia (USSR). [A questionable senior synonym.]
- subpruinosa* MANNHEIMS, 1954: Notul. ent., 34: 42 (*Tipula*). Type-locality: Pallastunturit, Lapponia kemensis (Finland).
- quadrivittata* STAEGER, 1840: Naturh. Tidsskr., 3: 21 (*Tipula*). Type-locality: Leersøen (Denmark).—Distr.: Europe: D, DDR, DK, NL, R (Retezat), S, SF; USSR: NET (southwest), CET (Li, Moscow obl., ?Est), SET (Zhitomir obl.).
- quadrivittata cinifera* SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 296 (1961: Zool. Zh., 40: 1895) (*Tipula*). Type-locality: west Tannu-Ola Mts, Tuva (USSR).—Distr.: USSR: WS (Altai, Tuva).
- quadrivittata subsulphurea* ALEXANDER, 1934: Philipp. J. Sci., 52: 307 (*Tipula*, as species). Type-locality: Spassk, Primorskiy kray (USSR).—Distr.: USSR: WS (Tuva), ES, FE (incl. Kuril Is); Asia: Mongolia.
- recticauda* SAVCHENKO, 1953: Trudy zoomus. KDU, 3: 107 (*Tipula*). Type-locality: Uzbek SSR (USSR) (Chimganka river, Surkhan-Darinsk obl., Uzbek SSR, USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: SMA (east).
- reversa* ALEXANDER, 1955: Ann. Mag. nat. Hist., (12) 8: 664 (*Tipula*). Type-locality: Schau, Kokscha valley, Badakhshan (Afghanistan).—Distr.: Asia: Afghanistan (north).
- riedeli* MANNHEIMS, 1952: 15. Tipulidae, Fliegen pal. Reg., 3(5)1: 106 (*Tipula*, as new name for *Tipula bosnica* RIEDEL, 1913, a junior primary homonym of *Tipula bosnica* STROBL, 1898).—Distr.: Europe: A, BG, YU.

- bosnica* RIEDEL, 1913: Abh. Ver. naturw. Erforsch. Niederrheins (Bezirksgr. d. Lehrerver. Naturk.), Krefeld, 1: 79 (*Tipula*). Type-locality: Bosnia (Yugoslavia).
- sempiterna* ALEXANDER, 1933: Philipp. J. Sci., 51: 386 (*Tipula*). Type-locality: Mt. Kurobegoro, Echiu, Honshu (Japan).—Distr.: USSR: FE (Kamchatka); Asia: Japan (Honshu).
- shevtshenkoi* SAVCHENKO, 1954: Trudy zoomus. KDU, 4: 117 (*Tipula*). Type-locality: not given (Aksu-Dzhebaglinsky reserve, Chimkent obl., USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: KZ, SMA (east); Asia: Mongolia.
- solitaria* SAVCHENKO, 1953: Trudy zoomus. KDU, 3: 101 (*Tipula*). Type-localities: several localities in the Uzbek SSR, Kazakh SSR, Kirghiz SSR and Tajik SSR (USSR) (Stalinabad [= Dushanbe], Tajik SSR, USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: KZ, SMA; Asia: Afghanistan.
- subincana* SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 258 (*Tipula*). Type-locality: Shakhrysyab. (USSR: Uz).—Distr.: USSR: SMA (Uz).
- submontium* THEOWALD et OOSTERBROEK, 1981: Beaufortia, 31: 39 (*Tipula*). Type-locality: Andorra-la-Vella (Andorra).—Distr.: Europe: Andorra, A, AL, CH (southwest), CS, E (north), GR (north), YU (south); USSR: TC; Asia: Turkey (west of 39°E), Syria (northwest).
- subnova* ALEXANDER, 1937: Notes Ent. chin., 4: 5 (*Tipula*). Type-locality: Zi-ka-wei, Jiangsu (China).—Distr.: Asia: China (Jiangsu).
- subprotrusa* SAVCHENKO, 1955: Zool. Zh., 34: 830 (*Tipula*). Type-locality: not given (Kondara, Varzob river, Tajik SSR, USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: KZ, SMA, WS (Altai); Asia: Afghanistan (northern half), Mongolia.
- amseli* MANNHEIMS, 1961: Beitr. naturk. Forsch. SüdwDtl., 19: 310 (*Tipula*). Type-locality: Herat (Afghanistan).
- subreversa* ALEXANDER, 1955: Ann. Mag. nat. Hist., (12) 8: 665 (*Tipula*). Type-locality: Bashgul valley, Nuristan (Afghanistan).—Distr.: Asia: Afghanistan (northeast).
- subsolitaria* THEOWALD, 1978: Bull. zool. Mus. Univ. Amsterdam, 6: 71 (*Tipula*). Type-locality: 22 km E Kabul (Afghanistan).—Distr.: Asia: Afghanistan (northeast).
- tsurugiana* ALEXANDER, 1953: Philipp. J. Sci., 82: 46 (*Tipula*). Type-locality: Mt. Tsurugi, Awa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- yamamuriana* ALEXANDER, 1926: Philipp. J. Sci., 31: 379 (*Tipula*). Type-locality: Kurashiki, Okayama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).

Unplaced species of *Tipula*

- amytis** ALEXANDER, 1933: Philipp. J. Sci., **52**: 137 (*Tipula*). Type-locality: Tang-Gu (China).—Distr.: Asia: China (Sichuan-Tibet border). [*Acutipula*.]
- badakhensis** ALEXANDER, 1955: Ann. Mag. nat. Hist., (12) **8**: 666 (*Tipula*). Type-locality: Schiva (Afghanistan).—Distr.: Asia: Afghanistan (north: Badakhshan). [*Pterelachisus*.]
- baileyi** ALEXANDER, 1953: Ann. Mag. nat. Hist., (12) **6**: 183 (*Tipula*). Type-locality: Yatung, Tibet (China).—Distr.: Asia: China (Tibet).
- [**biaciculifera** ALEXANDER, 1937: Notes Ent. chin., **4**: 17 (*Tipula*). Type-locality: Kuling, Jiangxi (China).—Distr.: Asia: China (Jiangxi).]
- bipendula** ALEXANDER, 1934: Philipp. J. Sci., **54**: 315 (*Tipula*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- [**bispathifera** SAVCHENKO, 1960: Ent. Obozr., **39**: 889 (*Tipula*). Type-locality: Yunnan (China).—Distr.: Asia: China (Yunnan).]
- cladomera** ALEXANDER, 1936: Philipp. J. Sci., **59**: 230 (*Tipula*). Type-locality: Wan-hsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- compressiloba** ALEXANDER, 1938: Philipp. J. Sci., **66**: 455 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan). [*?Close to Tipula percommoda*.]
- depressiloba** OOSTERBROEK et THEOWALD, 1992: nom. nov. Replacement name for *Tipula depressa* ALEXANDER, 1931, a junior primary homonym of *Tipula depressa* GMELIN, 1790).—Distr.: Asia: Japan (Honshu).
- depressa* ALEXANDER, 1931: Philipp. J. Sci., **44**: 343 (*Tipula*). Type-locality: Mt. Norikura, Japanese Alps, Shinano, Honshu (Japan).
- digesta** ALEXANDER, 1953: Ann. Mag. nat. Hist., (12) **6**: 182 (*Tipula*). Type-locality: Poshö Lhodzong, Tibet (China).—Distr.: Asia: China (Tibet). [*?Pterelachisus*.]
- gracilirostris** ALEXANDER, 1938: Philipp. J. Sci., **66**: 439 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan). [*?Sino-tipula*.]
- hingstoni** EDWARDS, 1928: Ann. Mag. nat. Hist., (10) **1**: 699 (*Tipula*). Type-locality: Gautsa, Tibet (China).—Distr.: Asia: China (Tibet).
- hylaesa** ALEXANDER, 1924: Ann. Mag. nat. Hist., (9) **14**: 461 (*Tipula*). Type-locality: Hinoemeta, Iwashiro-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu).
- imanoensis** ALEXANDER, 1954: Philipp. J. Sci., **82**: 274 (*Tipula*). Type-locality: Iwai, near Imanoyama, Tosa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku). [*?Close to Tipula yusou*.]
- incisurata** ALEXANDER, 1940: Philipp. J. Sci., **71**: 177 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- kusunokiana** ALEXANDER, 1955: Philipp. J. Sci., **83**: 272 (*Tipula*). Type-locality: Mt. Saragamine, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

- lanio** ALEXANDER, 1945: Trans. R. ent. Soc. Lond., **95**: 237 (*Tipula*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.
- ligulalata** ALEXANDER, 1954: Philipp. J. Sci., **82**: 277 (*Tipula*). Type-locality: Mt. Ishizuchi, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku). [?Close to *Tipula politostriata*.]
- liui** ALEXANDER, 1941: Philipp. J. Sci., **73**: 395 (*Tipula*). Type-locality: Taipinghsien, Anhui (China).—Distr.: Asia: China (Anhui).
- melanonotalis** ALEXANDER, 1954: Philipp. J. Sci., **82**: 279 (*Tipula*). Type-locality: Mt. Ishizuchi, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- multistrigata** ALEXANDER, 1933: Philipp. J. Sci., **51**: 526 (*Tipula*). Type-locality: Yu-Long-Si (China).—Distr.: Asia: China (Tibet border). [?Close to *Tipula latistriga*.]
- nigrosignata** ALEXANDER, 1924: Ann. Mag. nat. Hist., (9) **14**: 472 (*Tipula*). Type-locality: lake Chuzenji, Shimotsuke-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- nippoalpina** ALEXANDER, 1931: Philipp. J. Sci., **44**: 342 (*Tipula*). Type-locality: Mt. Norikura, Japanese Alps, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- nocticostata** ALEXANDER, 1971: Trans. Shikoku ent. Soc., **11**: 9 (*Tipula*). Type-locality: Mt. Amakazari, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- opinata** ALEXANDER, 1940: Lingnan Sci. J., **19**: 106 (*Tipula*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- otiosa** ALEXANDER, 1924: Ann. Mag. nat. Hist., (9) **14**: 467 (*Tipula*). Type-locality: Mt. Takao, Musashi-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- percommoda** ALEXANDER, 1938: Philipp. J. Sci., **66**: 457 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan). [?Close to *Tipula compressiloba*.]
- perlata** ALEXANDER, 1938: Philipp. J. Sci., **66**: 450 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- politostriata** ALEXANDER, 1931: Philipp. J. Sci., **44**: 344 (*Tipula*). Type-locality: Mt. Norikura, Japanese Alps, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu). [?Close to *Tipula ligulata*.]
- prolongata** ALEXANDER, 1936: Philipp. J. Sci., **60**: 333 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- repugnans** ALEXANDER, 1940: Lingnan Sci. J., **19**: 109 (*Tipula*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- sexlobata** ALEXANDER, 1938: Philipp. J. Sci., **66**: 454 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- shomio** ALEXANDER, 1921: Ann. ent. Soc. Am., **14**: 122 (*Tipula*). Type-locality: Koiwai farm, near Morioka, Honshu (Japan).—Distr.: Asia: Japan (Honshu). [?Close to *Tipula uenoi*.]

- spectata** ALEXANDER, 1940: Notes Ent. chin., 8: 9 (*Tipula*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- sternosetosa** ALEXANDER, 1940: Philipp. J. Sci., 71: 175 (*Tipula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- strix** ALEXANDER, 1918: Jl N.Y. ent. Soc., 26: 71 (*Tipula*). Type-locality: Tokuhara, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- subdepressa** ALEXANDER, 1941: Philipp. J. Sci., 76: 37 (*Tipula*). Type-locality: Kamikochi, Honshu (Japan).—Distr.: Asia: Japan (Honshu). [?Close to *Tipula depressiloba*.]
- subyusou** ALEXANDER, 1929: Philipp. J. Sci., 40: 321 (*Tipula*). Type-locality: Mt. Takao, Honshu (Japan).—Distr.: Asia: Japan (Honshu). [?Close to *Tipula yusou*.]
- superciliosa** ALEXANDER, 1924: Ann. Mag. nat. Hist., (9) 14: 460 (*Tipula*). Type-locality: Jozankei, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- tantula** ALEXANDER, 1924: Philipp. J. Sci., 24: 607 (*Tipula*). Type-locality: Odasam, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).
- uenoi** ALEXANDER, 1930: Philipp. J. Sci., 42: 59 (*Tipula*). Type-locality: Mt. Kiso, Komaga Mts, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu). [?Close to *Tipula shomio*.]
- yanoana** ALEXANDER, 1953: Trans. Shikoku ent. Soc., 3: 75 (*Tipula*). Type-locality: Omogo valley, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- yusou** ALEXANDER, 1914: Can. Ent., 46: 240 (*Tipula*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu). [?Close to *Tipula imanoensis*.]
- yusouoides** ALEXANDER, 1929: Philipp. J. Sci., 40: 320 (*Tipula*). Type-locality: Unzen park, Hizen, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu). [?Close to *Tipula yusou*.]

Doubtful species of *Tipula*

- caenosus** HARRIS, [1776]: Exp. Eng. Ins.: 161 (*Tipula*). Type-locality: not given (Great Britain).
- cervina** MEIGEN, 1818: Syst. Besch., 1: 181 (*Tipula*). Type-locality: not given (?near Stolberg [D]).
- ferruginea** SCOPOLI, 1763: Entom. carniolica: 321 (*Tipula*). Type-locality: not given (?Yugoslavia). [Suppressed by I.C.Z.N., Bull. zool. Nom., 40: Opinion 1257.]
- fuscipennis** CURTIS, 1834: Brit. Ent., 11: 493 (*Tipula*). Type-locality: New Forest (Great Britain).
- grandis** PANZER, 1804: Schaefferi Icon. Ins.: 187 (*Tipula*). Type-locality: not given (Regensburg [D]).
- hellenorum** BRULLÉ, 1832: Exp. Sci. Morée, 3(1) Zool., Sect. 2: 289 (*Tipula*). Type-locality: near Messène (Greece).

- japonica* LOEW, 1858: Wien. ent. Mschr., 2: 101 (*Tipula*). Type-locality: not given (Japan).
- maculata* DE GEER, 1776: Mém. Ins., 6: 345 (*Tipula*). Type-locality: not given (?Sweden). [A junior primary homonym of *Tipula maculata* LINNAEUS, 1758.]
- nana* MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 82 (*Tipula*). Type-locality: northern France.
- parva* LOEW, 1858: Wien. ent. Mschr., 2: 102 (*Tipula*). Type-locality: not given (Japan).
- pusilla* MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 86 (*Tipula*). Type-locality: northern France. [A junior primary homonym of *Tipula pusilla* LINNÉ, 1767.]
- rufescens* WESTHOFF, 1879: Jber. westf. ProvVer. Wiss. Kunst, 8: 50 (*Tipula*). Type-locality: Westfalen [D].
- stigmosa* MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 82 (*Tipula*). Type-locality: northern France.
- terrestris* HARRIS, [1776]: Exp. Eng. Ins.: 56 (*Tipula*). Type-locality: not given (Great Britain). [A junior primary homonym of *Tipula terrestris* LINNAEUS, 1758.]
- tetraptera* RISSO, 1826: Hist. nat. princ. prod. Europe Méridion., 5: 250 (*Tipula*). Type-locality: not given (France: Nice).
- vaga* WALKER, 1856: Ins. Brit., Dipt., 3: 330 (*Tipula*). Type-locality: not given (Great Britain).

Species removed from *Tipula*

For species belonging to families treated in this volume the present-day valid generic name is indicated. Names referring to non-palaearctic species, for example as published by FABRICIUS and WALKER, are not listed.

- acetosae* SCHRANK, 1803: Fauna Boica, 3(1): 80.
- agarici* DE GEER, 1776: Mém. Ins., 6: 367.
- agaricina* VALLOT, 1802: Conc. Syst. Réaumur: 116.
- alba* GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2828.
- albimana* FABRICIUS, 1787: Mantissa insect., 2: 323 (*Ptychoptera*).
- albipennis* FABRICIUS, 1794: Entom. syst, 4: 250.
- albipes* STRÖM, 1768: K. Norske Vidensk. Selsk. Skrift., 4: 351 (*Dolichopeza*).
- albomaculata* SCHRANK, 1782: Neues Mag. Liebh. Ent., 1: 301.
- alpestris* SCHRANK, 1785: Neues Mag. Liebh. Ent., 2: 342.
- amphibia* DE GEER, 1776: Mém. Ins., 6: 380.
- analys* SCHUMMEL, 1833: Beitr. Ent., Breslau, 3: 105 (*Nephrotoma*).
- annularis* DE GEER, 1776: Mém. Ins., 6: 379.
- annulata* LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (*Discobola*).
- annulata* LINNÉ, 1767: Syst. Nat., Ed. 12, 1(2): 974.
- aquatica* DE GEER, 1776: Mém. Ins., 6: 387.
- argyrosipila* ALEXANDER, 1935: Philipp. J. Sci., 57: 88 (*Brithura*).

- arundineti LINNAEUS, 1761: Fauna Sveciae, Ed. 2: 434.
 atomaria DE GEER, 1778: Mém. Ins., 7: 602.
 atomata MÜLLER, 1764: Fauna Insect. Friedr.: 80.
 atomus SCHRANK, 1803: Fauna Boica, 3(1): 77.
 atra FOURCROY, 1785: Entom. parisiensis, 2: 513.
 atrata LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (*Tanyptera*).
 augusti MÜLLER, 1776: Zool. Danicae Prod.: 171.
 aurea MÜLLER, 1764: Fauna Insect. Friedr.: 79.
 barbicornis LINNÉ, 1767: Syst. Nat., Ed. 12, 1(2): 974.
 berberina SCHRANK, 1781: Enum. ins. austr. indig.: 435.
 bifasciata SCHRANK, 1781: Enum. ins. austr. indig.: 429 (*Metalimnobia*).
 bilineata MÜLLER, 1764: Fauna Insect. Friedr.: 80.
 bimaculata LINNAEUS, 1761: Fauna Sveciae, Ed. 2: 433 (*Dictenidia*).
 bipunctata LINNÉ, 1767: Syst. Nat., Ed. 12, 1(2): 978.
 boleti SCHRANK, 1796: Samml. naturh. physik. Aufsätze: 223.
 boleti SCOPOLI, 1763: Entom. carniolica: 323.
 bombyciformis SCHRANK, 1796: Samml. naturh. physik. Aufsätze: 172.
 brevicornis LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 588.
 brevicornis ZETTERSTEDT, [1838]: Insecta Lapp.: 846 (*Cylindrotoma*).
 brevirostris ZETTERSTEDT, [1838]: Insecta Lapp.: 844 (*Phalacrocer*).
 brobdignagia WESTWOOD, 1876: Trans. R. ent. Soc. Lond., 1876: 504 (*Holorusia*).
 brunnipes FABRICIUS, 1794: Entom. syst, 4: 250.
 buxi SCHRANK, 1781: Enum. ins. austr. indig.: 433.
 byssina SCHRANK, 1803: Fauna Boica, 3(1): 76.
 calmariensis LINNAEUS, 1761: Fauna Sveciae, Ed. 2: 430 (*Metalimnobia*).
 cantans FABRICIUS, 1794: Entom. syst, 4: 247.
 caratteristica FOURCROY, 1785: Entom. parisiensis, 2: 506.
 carbonaria GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2828.
 cerea SCHRANK, 1803: Fauna Boica, 3(1): 70.
 chirothecata SCOPOLI, 1763: Entom. carniolica: 320 (*Hexatoma*).
 chrysanthemi FABRICIUS, 1787: Mantissa insect., 2: 327.
 ciliata MÜLLER, 1776: Zool. Danicae Prod.: 171.
 cimicoides SCOPOLI, 1763: Entom. carniolica: 320 (*Hexatoma*).
 cincta FABRICIUS, 1794: Entom. syst, 4: 246.
 cincta TURTON, 1802: Gen. Syst. Nat., 3: 592.
 cinerea FABRICIUS, 1779: Reise nach Norwegen, 1779: 301 (*Trichocera*).
 cingulata PANZER, 1804: Schaefferi Icon. Ins.: 201.
 cirsi SCHRANK, 1795: Briefe Donaumoor: 146.
 clavipes FABRICIUS, 1782: Species insect., 2: 404.
 conica FOURCROY, 1785: Entom. parisiensis, 2: 513.
 conica SCHRANK, 1803: Fauna Boica, 3(1): 82.
 contaminata LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (*Ptychoptera*).
 convallium SCOPOLI, 1763: Entom. carniolica: 317.

- cornicina LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (*Nephrotoma*).
crocata LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 585 (*Nephrotoma*).
crucifixus SLABBER, 1778: Natuurk. Verlost.: 29.
crystallina DE GEER, 1776: Mém. Ins. 6: 386.
culiciformis LINNÉ, 1767: Syst. Nat., Ed. 12, 1(2): 978.
culiciformis DE GEER, 1776: Mém. Ins., 6: 372.
cuprinervis ROSSI, 1794: Mantissa insect., 2: 59.
degener SCOPOLI, 1763: Entom. carniolica: 323.
dentata MEIGEN, 1838: Syst. Besch., 7: 35 (*Nephrotoma*).
depressa GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2819.
devorator SLABBER, 1778: Natuurk. Verlost.: 17.
diana MEIGEN, 1818: Syst. Besch., 1: 189 (*Prionocera*).
dichroa GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2828.
dilatata MÜLLER, 1776: Zool. Danicae Prod.: 171.
diluta MÜLLER, 1764: Fauna Insect. Friedr.: 79.
discolor GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2819.
dorsalis FABRICIUS, 1782: Species insect., 2: 403 (*Nephrotoma*).
duplicata FOURCROY, 1785: Entom. parisiensis, 2: 507.
eclipsis RAZOUMOWSKY, 1789: Hist. Nat. Jorat: 228.
ensicornis LINNÉ, 1767: Syst. Nat., Ed. 12, 1(2): 973.
ensiformis GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2817.
erioptera FABRICIUS, 1805: Syst. antl.: 33 (*Molophilus*).
erythrocephala DE GEER, 1776: Mém. Ins., 6: 431.
fasciata FOURCROY, 1785: Entom. parisiensis, 2: 512.
fasciata LINNÉ, 1767: Syst. Nat., Ed. 12, 1(2): 973 (*Idioptera*).
fasciata SCOPOLI, 1763: Entom. carniolica: 321 (*Ptychoptera*).
fasciculata FABRICIUS, 1782: Species insect., 2: 406.
febrilis LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 588.
femorata THUNBERG, 1789: D. D. Mus. Nat. Acad. Upsal.: 88.
fenestralis MÜLLER, 1764: Fauna Insect. Friedr.: 80.
fenestralis SCOPOLI, 1763: Entom. carniolica: 322.
fenestrata CEDERHJELM, 1798: Faunae Ingric. Prod.: 296.
ferruginata LINNÉ, 1767: Syst. Ent., Ed. 12, 1(2): 976.
flabelliformis FABRICIUS, 1782: Species insect., 2: 407.
flava BRUNETTI, 1911: Rec. Indian Mus., 6: 252 (*Holorusia*).
flaveolata FABRICIUS, 1794: Entom. syst., 4: 234 (*Ctenophora*).
flavescens LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (*Nephrotoma*).
flavicans MÜLLER, 1764: Fauna Insect. Friedr.: 79.
flavicaudis DE GEER, 1776: Mém. Ins., 6: 429.
flavipalpis MEIGEN, 1830: Syst. Besch., 6: 290 (*Nephrotoma*).
flavipes FABRICIUS, 1787: Mantissa insect., 2: 323 (*Limonia*).
flavofasciata DE GEER, 1776: Mém. Ins., 6: 349 (*Nephrotoma*).
flavomaculata DE GEER, 1776: Mém. Ins., 6: 347 (*Nephrotoma*).

- flexilis LINNÉ, 1767: Syst. Nat., Ed. 12, 1(2): 975.
florilega LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 588.
forcipata FABRICIUS, 1775: Syst. entom.: 755.
fracticosta ALEXANDER, 1935: Philipp. J. Sci., 57: 90 (*Brithura*).
fractistigma ALEXANDER, 1925: Ann. Mag. nat. Hist., (9)15: 392 (*Brithura*).
fulgida CEDERHIELM, 1798: Faunae Ingric. Prod.: 296.
fuliginosa GIMMERTHAL, 1834: Bull. Soc. nat. Moscou, 7: 111 (*Nigrotipula*).
fulvipes DE GEER, 1776: Mém. Ins., 6: 429.
fungorum DE GEER, 1776: Mém. Ins., 6: 361.
fur STRÖM, 1788: Nije Samml. K. dansk. Vidensk. Selsk. Skrift., 3: 285.
fusca BLOCH, 1776: Beschäft. Berl. Ges. naturforsch. Ver., 2: 175.
fuscata FABRICIUS, 1775: Syst. entom.: 755.
fuscata PANZER, 1804: Schaefferi Icon. Ins.: 146.
fuscipes GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2819 (*Ptychoptera*).
geniculata FABRICIUS, 1787: Mantissa insect., 2: 326.
gibba FABRICIUS, 1794: Entom. syst, 4: 245.
goezii SCHRANK, 1803: Fauna Boica, 3(1): 72.
graminea SCOPOLI, 1763: Entom. carniolica: 317.
haemorrhoea SCHRANK, 1776: Beitr. Nat.: 93.
hafniensis GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2826.
hemerobioides SCOPOLI, 1763: Entom. carniolica: 324.
hiemalis DE GEER, 1776: Mém. Ins., 6: 360 (*Trichocera*).
hirta LINNAEUS, 1761: Fauna Sveciae, Ed. 2: 438.
histrio FABRICIUS, 1794: Entom. syst, 4: 237 (*Nephrotoma*).
histrio FABRICIUS, 1794: Entom. syst, 4: 244.
hopeiensis ALEXANDER, 1936: Philipp. J. Sci., 46: 175 (*Tipulodina*).
hortulana LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 588.
ichneumonea DE GEER, 1776: Mém. Ins., 6: 350 (*Tanyptera*).
idriensis SCOPOLI, 1763: Entom. carniolica: 316 (*Dictenidia*).
immaculata FOURCROY, 1785: Entom. parisiensis, 2: 512.
imperfecta BRUNETTI, 1913: Rec. Indian Mus., 9: 260 (*Brithura*).
imperialis MEIGEN, 1818: Syst. Besch., 1: 196 (*Nephrotoma*).
incarnata LINNÉ, 1767: Syst. Nat., Ed. 12, 1(2): 978.
inquieta SCOPOLI, 1763: Entom. carniolica: 321.
insularis GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2824.
iridicolor SCHUMMEL, 1833: Beitr. Ent., Breslau, 3: 101 (*Nephrotoma*).
iris MÜLLER, 1764: Fauna Insect. Friedr.: 79.
itoana ALEXANDER, 1955: Ann. ent. Soc. Am., 48: 368 (*Indotipula*).
joana ALEXANDER, 1919: Ann. ent. Soc. Am., 12: 347 (*Tipulodina*).
johannis LINNÉ, 1767: Syst. Nat., Ed. 12, 1(2): 976.
juniperina LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 588.
labacensis SCOPOLI, 1763: Entom. carniolica: 324.
lacustris SCOPOLI, 1763: Entom. carniolica: 317.

- latrinarum DE GEER, 1776: Mém. Ins., 6: 430.
lentus HARRIS, [1776]: Expos. Eng. Ins.: 160.
leucoptera GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2828.
ligulifera ALEXANDER, 1925: Proc. U.S. natn. Mus., 68(4): 15 (*Nigrotipula*).
lineata FABRICIUS, 1775: Syst. entom.: 754.
lineata MÜLLER, 1764: Fauna Insect. Friedr.: 80.
lineata SCOPOLI, 1763: Entom. carniolica: 320 (*Nephrotoma*).
littoralis LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 587.
longicornis LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 588.
loti DE GEER, 1776: Mém. Ins., 6: 420.
lugubris ZETTERSTEDT, [1838]: Insecta Lapp.: 845 (*Gnophomyia*).
lunulicornis SCHUMMEL, 1833: Beitr. Ent., Breslau, 3: 107 (*Nephrotoma*).
lutea GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2819.
luteata MEIGEN, 1818: Syst. Besch., 1: 193 (*Nephrotoma*).
lutescens GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2828.
macrocephala LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 587.
maculata LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (*Dictenidia*).
maculata MEIGEN, 1804: Klass. Besch., 1: 71 (*Nephrotoma*).
maculosa GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2819.
maculosa MEIGEN, 1818: Syst. Besch., 1: 197 (*Nephrotoma*).
marci LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 588.
marginalis FOURCROY, 1785: Entom. parisiensis, 2: 509.
marginata FOURCROY, 1785: Entom. parisiensis, 2: 508.
marmorata GEOFFROY, 1799: Hist. abrégée Ins., 2: 733.
melanocephala FABRICIUS, 1787: Mantissa insect., 2: 323.
melanopis FOURCROY, 1785: Entom. parisiensis, 2: 507.
mendax ALEXANDER, 1924: Ann. Mag. nat. Hist., (9)14: 466 (*Indotipula*).
mikado WESTWOOD, 1876: Trans. R. ent. Soc. Lond., 1876: 504 (*Holorusia*).
minuta MÜLLER, 1776: Zool. Danicae Prod.: 170.
minutissima LINNÉ, 1767: Syst. Nat., Ed. 12, 1(2): 979.
monilis LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 587.
monoptera LINNAEUS, 1761: Fauna Sveciae, Ed. 2: 434.
morio FABRICIUS, 1787: Mantissa insect., 2: 324 (*Dicranomyia*).
motatrix LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 587.
motitatrix LINNAEUS, 1761: Fauna Sveciae, Ed. 2: 435.
multicolor GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2828.
murina PREYSSLER, 1791: Samml. phys. Aufs., 1: 60.
mystica CEDERHJELM, 1798: Faunae Ingric. Prod.: 296.
nervosa SCHRANK, 1803: Fauna Boica, 3(1): 83.
nigra LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (*Nigrotipula*).
nigra DE GEER, 1776: Mém. Ins., 6: 428.
nigrata MÜLLER, 1776: Zool. Danicae Prod.: 170.
nigricornis SCHRANK, 1803: Fauna Boica, 3(1): 86.

- nigrocrocea DE GEER, 1776: Mém. Ins., 6: 400 (*Ctenophora*).
 nipponica ALEXANDER, 1923: Ann. ent. Soc. Am., 16: 74 (*Tipulodina*).
 nitida MÜLLER, 1776: Zool. Danicae Prod.: 170.
 nodulosa BRULLÉ, 1832: Expéd. Sci. Morée, 3(1), Zool., Sect. 2: 290 (*Nephrotoma*).
 notata LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 588.
 ocellaris LINNAEUS, 1761: Fauna Sveciae, Ed. 2: 433 (*Epiphragma*).
 ocreata SCHRANK, 1781: Enum. ins. austr. indig.: 427 (*Ptychoptera*).
 octopunctata THUNBERG, 1784: Nova Acta R. Soc. Scient. upsal., 4: 26.
 oxyacanthae SCHRANK, 1803: Fauna Boica, 3(1): 87.
 pallescens SCHRANK, 1796: Samml. naturh. physik. Aufsätze: 172.
 pallida FABRICIUS, 1782: Species insect., 2: 407.
 pallipes FABRICIUS, 1787: Mantissa insect., 2: 326.
 paludosa FABRICIUS, 1794: Entom. syst., 4: 239 (*Dictenidia*). [Suppressed by I.C.Z.N., Bull. zool. Nom., 37: Opinion 1160.]
 palustris LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 588.
 paradoxa HOST, 1789: Coll. Bot., 3: 300.
 parisiensis THUNBERG, 1784: Nova Acta R. Soc. Scient. upsal., 4: 26.
 pectinata GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2819 (*Dictenidia*).
 pectinicornis LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 585 (*Ctenophora*).
 pedella DE GEER, 1776: Mém. Ins., 6: 378.
 pendens HARRIS, [1776]: Expos. Eng. Ins.: 56.
 penicillata ROSSI, 1794: Mantissa insect., 2: 59.
 pennicornis LINNAEUS, 1761: Fauna Sveciae, Ed. 2: 439.
 perpulcher HARRIS, [1776]: Expos. Eng. Ins.: 159 (*Nephrotoma*).
 persicariae LINNÉ, 1767: Syst. Nat., Ed. 12, 1(2): 977.
 petiolata ZETTERSTEDT, [1838]: Insecta Lapp.: 846 (*Nephrotoma*).
 phalaenoides LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 588.
 phragmitidis SCHRANK, 1781: Enum. ins. austr. indig.: 426 (*Limonia*).
 picta FABRICIUS, 1798: Suppl. Entom. syst: 550 (*Epiphragma*).
 picta MEIGEN, 1838: Syst. Besch., 7: 35 (*Nephrotoma*).
 pilicornis FABRICIUS, 1787: Mantissa insect., 2: 324.
 pilicornis FABRICIUS, 1787: Mantissa insect., 2: 325.
 pilipes FABRICIUS, 1787: Mantissa insect., 2: 324 (*Symplecta*).
 pini DE GEER, 1776: Mém. Ins., 6: 417.
 pinnicornis LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 589.
 platyura FABRICIUS, 1805: Syst. antl.: 33.
 plicata MÜLLER, 1764: Fauna Insect. Friedr.: 79.
 plumbea FOURCROY, 1785: Entom. parisiensis, 2: 509.
 plumicornis FABRICIUS, 1794: Entom. syst, 4: 246.
 plumicornis GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2828.
 plumipes THUNBERG, 1789: D. D. Mus. Nat. Acad. Upsal.: 88.
 plumosa LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 587.
 polygama PALLAS, 1773: Reise Russ., 2: 732.

- pomonaе FABRICIUS, 1775: Syst. entom.: 754.
populea SCHRANK, 1803: Fauna Boica, 3(1): 87.
pratensis LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (*Nephrotoma*).
psyllia SCHRANK, 1803: Fauna Boica, 3(1): 81.
pulchricornis VON BLOCK, 1799: Naturg. Plau. Grund.: 120.
pulicaris LINNÉ, 1767: Syst. Nat., Ed. 12, 1(2): 979.
punctata FOURCROY, 1785: Entom. parisiensis, 2: 512.
punctata MÜLLER, 1764: Fauna Insect. Friedr.: 79.
punctata SCHRANK, 1781: Enum. ins. austr. indig.: 425 (*Limnophila*).
pupivaga SCHRANK, 1781: Enum. ins. austr. indig.: 430.
pusilla LINNÉ, 1767: Syst. Nat., Ed. 12, 1(2): 975.
putris LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 588.
pyri FABRICIUS, 1794: Entom. syst, 4: 249.
quadrifaria MEIGEN, 1804: Syst. Besch., 1: 72 (*Nephrotoma*).
quadrifasciata GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2819.
quadrimaculata LINNAEUS, 1761: Fauna Sveciae, Ed. 2: 430 (*Metalimnobia*).
quadrinodia SCOPOLI, 1763: Entom. carniolica: 324.
quadrispicata ALEXANDER, 1933: Philipp. J. Sci., 51: 383 (*Indotipula*).
quadristriata SCHUMMEL, 1833: Beitr. Ent., Breslau, 3: 109 (*Nephrotoma*).
regelationis LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 587 (*Trichocera*).
replicata LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 587 (*Phalacrocer*).
reticulata FOURCROY, 1785: Entom. parisiensis, 2: 512.
riparia MÜLLER, 1764: Fauna Insect. Friedr.: 79.
rivosа LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 585 (*Pedicia*).
rostrata LATREILLE, 1802: in Sonnini's Buffon (Ins.), 3: 424.
rubi SCHRANK, 1803: Fauna Boica, 3(1): 87.
rubzovi SAVCHENKO, 1961: Fauna USSR, Dipt., 2(3), (N.S.), 79: 358 (*Angarotipula*).
ruficollis FABRICIUS, 1782: Species insect., 2: 410.
rufipes LINNAEUS, 1781: Fauna Sveciae, Ed. 2: 439.
rufopicea WESTHOFF, 1879: Jber. westf. ProvVer. Wiss. Kunst, 8: 42 (*Nigrotipula*).
salicina BOUCHÉ, 1834: Naturgesch. Ins.: 34 (*Nephrotoma*).
salicina SCHRANK, 1781: Enum. ins. austr. indig.: 435.
salicis SCHRANK, 1803: Fauna Boica, 3(1): 69.
saltator HARRIS, [1776]: Expos. Eng. Ins.: 57 (*Trichocera*).
sanguinaria LAMARCK, 1794: in PALLAS: Voyage Russ., 8: 197.
sannio MEIGEN, 1838: Syst. Besch., 7: 36 (*Nephrotoma*).
scalaena SCHRANK, 1803: Fauna Boica, 3(1): 73.
scalaris MEIGEN, 1818: Syst. Besch., 1: 195 (*Nephrotoma*).
scathopse SCHRANK, 1781: Enum. ins. austr. indig.: 433.
scurra MEIGEN, 1818: Syst. Besch., 1: 198 (*Nephrotoma*).
secalis BIERKANDER, 1779: K. svenska VetenskAkad. Handl., 40: 162.
seminigra PANZER, 1798: Faunae Ins. Germ., 59: 10.

- sericea LINNÉ, 1767: Syst. Nat., Ed. 12, 1(2): 978.
 serricornis BRUNETTI, 1912: Fauna Brit. India, Dipt., 1: 309 (*Holorusia*).
 serricornis ZETTERSTEDT, [1838]: Insecta Lapp.: 844 (*Prionocera*).
 sexpunctata FABRICIUS, 1782: Species insect., 2: 405 (*Limonia*).
 sisymbrii SCHRANK, 1803: Fauna Boica, 3(1): 83.
 socialis MÜLLER, 1776: Zool. Danicae Prod.: 171.
 solstitialis PALLAS, 1771: Reise Russ., 1: 475.
 spinata MÜLLER, 1764: Fauna Insect. Friedr.: 79.
 splendor HARRIS, [1776]: Expos. Eng. Ins.: 56 (*Ctenophora*).
 stellifera CEDERHJELM, 1798: Faunae Ingric. Prod.: 296.
 stercoraria DE GEER, 1776: Mém. Ins., 6: 388.
 stictica FABRICIUS, 1782: Species insect., 2: 407.
 striata FABRICIUS, 1794: Entom. syst, 4: 238 (*Hexatoma*).
 stricta FABRICIUS, 1794: Entom. syst, 4: 245.
 strictica FABRICIUS, 1787: Mantissa insect., 2: 325.
 subserricornis ZETTERSTEDT, 1851: Dipt. scand., 10: 3970 (*Prionocera*).
 subsultans SCHRANK, 1803: Fauna Boica, 3(1): 77.
 subyamata ALEXANDER, 1933: Philipp. J. Sci., 52: 136 (*Indotipula*).
 sylvestris FABRICIUS, 1794: Entom. syst, 4: 252.
 tarda MÜLLER, 1776: Zool. Danicae Prod.: 170.
 tendens FABRICIUS, 1775: Syst. entom.: 752.
 tenera MÜLLER, 1764: Fauna Insect. Friedr.: 79.
 terminalis GRAVENHORST, 1807: Vergl. Uebers. Linn. Zool. Syst.: 358.
 terminalis WIEDEMANN, 1830: Aussereurop. zweifl. Insekt., 2: 616 (*Nephrotoma*).
 terrestris LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (*Limonia*).
 tessalata FOURCROY, 1785: Entom. parisiensis, 2: 509.
 testacea PANZER, 1804: Schaefferi Icon. Ins.: 193.
 tetracantha ALEXANDER, 1928: Philipp. J. Sci., 35: 457 (*Indotipula*).
 thomae LINNÉ, 1767: Syst. Nat., Ed. 12, 1(2): 976.
 tiliae SCHRANK, 1803: Fauna Boica, 3(1): 87.
 transversalis VILLERS, 1789: Car. Linn. Ent., 3: 372.
 tremula LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 587.
 triangularis FABRICIUS, 1775: Syst. entom.: 749 (*Pedicia*).
 trifasciata GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2828.
 tripunctata FABRICIUS, 1782: Species insect., 2: 405 (*Limonia*).
 tripunctata MÜLLER, 1764: Fauna Insect. Friedr.: 79.
 tritici KIRBY, 1798: Trans. Linn. Soc. Lond., 4: 232.
 tumidicornis LUNDSTRÖM, 1907: Acta Soc. Fauna Flora fenn., 29(2): 23
 (*Angarotipula*).
 turcica FABRICIUS, 1787: Mantissa insect., 2: 322 (*Prionocera*).
 typhae MÜLLER, 1776: Zool. Danicae Prod.: 170.
 typhina SCOPOLI, 1763: Entom. carniolica: 323.
 umbratica MÜLLER, 1776: Zool. Danicae Prod.: 170.

- unifasciata* SCHRANK, 1803: Fauna Boica, 3(1): 84.
unifascis SCHRANK, 1785: Neues Mag. Liebh. Ent., 2: 341.
varia FABRICIUS, 1787: Mantissa insect., 2: 325.
vegetationis SCHRANK, 1803: Fauna Boica, 3(1): 86.
velata MÜLLER, 1764: Fauna Insect. Friedr.: 79.
venosa SCHRANK, 1776: Beitr. Nat.: 92.
veris MÜLLER, 1764: Fauna Insect. Friedr.: 79.
verna SCHRANK, 1776: Beitr. Nat.: 93.
vernans FABRICIUS, 1782: Species insect., 2: 410.
versicolor GMELIN, 1790: Syst. Nat., Ed. 13, 5: 2819.
versipellis HARRIS, [1776]: Expos. Eng. Ins.: 160.
verticillata FABRICIUS, 1794: Entom. syst, 4: 237 (*Nigrotipula*).
vibratoria LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 587.
vibratrix LINNAEUS, 1761: Fauna Sveciae, Ed. 2: 436.
villosa RAZOUMOWSKY, 1789: Hist. Nat. Jorat: 228.
virens LINNÉ, 1767: Syst. Nat., Ed. 12, 1(2): 975.
virginea MÜLLER, 1776: Zool. Danicae Prod.: 171.
virginea PREYSSLER, 1791: Samml. phys. Aufs., 1: 62.
viridula LINNÉ, 1767: Syst. Nat., Ed. 12, 1(2): 975.
yamata ALEXANDER, 1914: Can. Ent., 46: 208 (*Indotipula*).
zonata FABRICIUS, 1775: Syst. entom.: 753.
zonata SCHRANK, 1803: Fauna Boica, 3(1): 71.

Tipulodina ENDERLEIN, 1912

ENDERLEIN, 1912: Zool. Jb. Syst., 32: 30 (as Limoniidae).

Type-species: *Tipulodina magnicornis* ENDERLEIN, 1912: l.c.: 31 (orig. des.); not Palaearctic.

- hopeiensis* (ALEXANDER, 1936): Philipp. J. Sci., 46: 175 (*Tipula*). Type-locality: Eastern Tombs, Hebei (China).—Distr.: Asia: China (north).
joana (ALEXANDER, 1919): Ann. ent. Soc. Am., 12: 347 (*Tipula*). Type-locality: Tokyo, Meguro, Honshu (Japan).—Distr.: USSR: ?FE (?Primorskiy kray); Asia: Japan (Honshu, Shikoku).
nipponica (ALEXANDER, 1923): Ann. ent. Soc. Am., 16: 74 (*Tipula*). Type-locality: Yabakei, Seikaido, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).

Doubtful genus of Tipulidae

- Alophroida* RONDANI, 1856: Dipt. Ital. Prodromus, 1: 188. Type-species: *Alophroida cinerea* RONDANI, 1856: l.c.: 188 (orig. des.).

Family Cylindrotomidae

By Á. Soós and P. Oosterbroek

Medium-sized crane-flies (11-16 mm), which share many characters with the related families Tipulidae and Limoniidae.

Rostrum short, antennae with 16, palpi with five segments, palpi mostly short but in some species the last segment is elongated. Mesonotum with a V-shaped furrow dividing scutum 1 from scutum 2, furrow most distinct in median third of thorax, fading out laterally. Two rather long anal veins, Sc usually ending in R, Rs only two-branched. Tibiae spurred. Male aedeagus bipartite (*Diogma*) or tripartite and often extruded in dried specimens. One pair of gonostyli. Female cerci and hypovalvae shortened.

Larvae hemicephalic and metapneustic, very unusual in appearance, with rows of longer or shorter filiform processes along the body (except *Cylindrotoma*). Spiracular disk with four lobes, apex of ventral lobes with sclerotised hooks (except *Cylindrotoma*). Larvae phytophagous, living on mosses or herbaceous plants, not in a substrate as those of most Tipulidae and Limoniidae. Larvae of *Cylindrotoma* live freely, like caterpillars, on the leaves of phanerogamic plants in marshy woodland habitats. Larvae of *Diogma* and *Liogma* feed on terrestrial mosses, *Triogma* larvae are semi-aquatic on mosses, and larvae of *Phalacrocer* are fully aquatic on mosses in fens, acid pools, moors or marshy glades. Adults are found in marshy habitats, usually at rest on the vegetation or flying around slowly in the vicinity of their breeding sites.

Cylindrotomidae is a small family with about 70 described species, eight of which belong to the extinct genus *Cyttaromyia* (Paleocene, Miocene). The oldest Cylindrotomidae are known from the Upper Cretaceous. Most of the recent species occur in the eastern Palaearctic and Oriental Regions, some are western Palaearctic, Nearctic or Australian and only one species is described from the Neotropical Region. Up till now no species has been recorded from the Afrotropical Region. In this family 10 genera are distinguished, 6 of which occur in the Palaearctic Region.

The authors would like to thank Br. Theowald (Amsterdam) for his comments on a draft manuscript.

References: BRINDLE, 1967; BRODO, 1967; ISHIDA, 1956; PEUS, 1952.

Subfamily Cylindrotominae

Cylindrotoma MACQUART, 1834

MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 107.

Type-species: *Limnobia distinctissima* MEIGEN, 1818: Syst. Besch., 1: 131 (des. WESTWOOD, 1840: Synopsis: 128, as "*distinctissima* Macq.").

angustipennis ALEXANDER, 1941: Philipp. J. Sci., 76: 42 (*Cylindrotoma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

aurantia ALEXANDER, 1935: Philipp. J. Sci., 56: 545 (*Cylindrotoma*). Type-locality: Beh-Luh-Din, 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).

distinctissima (MEIGEN, 1818): Syst. Besch., 1: 131 (*Limnobia*). Type-locality: Kiel [D].—Distr.: Europe; USSR: NET, CET, SET.

brevicornis (ZETTERSTEDT, [1838]): Insecta Lapp.: 846 (*Tipula*). Type-locality: Dovre alps (Norway).

tenebrarum KROGERUS, 1937: Notul. ent., 17: 58 (*Cylindrotoma*, as subsp. of *distinctissima*). Type-localities: several localities in Finland and the Kola peninsula (USSR).

distinctissima alpestris PEUS, 1952: 17. Cylindrotomidae, Fliegen pal. Reg., 3(5)3: 71 (*Cylindrotoma*). Type-locality: Trafoi (Italy).—Distr.: Europe: I (north).

distinctissima borealis PEUS, 1952: 17. Cylindrotomidae, Fliegen pal. Reg., 3(5)3: 70 (*Cylindrotoma*). Type-locality: Røsvand [= Røsvatn] (Norway).—Distr.: Europe: N.

hypopygialis ALEXANDER, 1938: Philipp. J. Sci., 66: 464 (*Cylindrotoma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

japonica ALEXANDER, 1919: Ann. ent. Soc. Am., 12: 344 (*Cylindrotoma*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Kyushu).

megacera ALEXANDER, 1938: Philipp. J. Sci., 64: 463 (*Cylindrotoma*). Type-locality: Pehlütting (Beh-luh-din), 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).

nigripes ALEXANDER, 1931: Philipp. J. Sci., 44: 348 (*Cylindrotoma*). Type-locality: Mupin, Sichuan (China).—Distr.: Asia: China (Sichuan).

nigriventris LOEW, 1849: Stettin. ent. Ztg, 10: 342 (*Cylindrotoma*). Type-localities: "das nördliche Russland; Sibirien".—Distr.: Europe: SF; USSR: NET, WS.

rufescens EDWARDS, 1928: Ann. Mag. nat. Hist., (10) 1: 700 (*Cylindrotoma*). Type-locality: Chumbi valley, Tibet (China).—Distr.: Asia: China (Tibet).

Diogma EDWARDS, 1938

EDWARDS, 1938: Trans. Soc. Br. Ent., **5**: 17.

Type-species: *Limnobia glabrata* MEIGEN, 1818: Syst. Besch., **1**: 142 (orig. des.).

caudata TAKAHASHI, 1960: Trans Shikoku ent. Soc., **6**: 82 (*Diogma*). Type-locality: Mt. Meakan, Hokkaido (Japan).—Distr.: Europe: SF; Asia: Japan (Hokkaido).

glabrata (MEIGEN, 1818): Syst. Besch., **1**: 142 (*Limnobia*). Type-locality: Kiel [D].—Distr.: Europe: B, D, DDR, GB, NL, PL, SF; USSR: NET.

glabrata megacauda (ALEXANDER, 1931): Philipp. J. Sci., **44**: 349 (*Phalacrocer*a, as species). Type-locality: Mt. Norikura, Japanese Alps, Shinano, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido, Honshu, "Korea").

minuticornis (ALEXANDER, 1935): Philipp. J. Sci., **57**: 206 (*Phalacrocer*a). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

Liogma OSTEN SACKEN, 1869

OSTEN SACKEN, 1869: Smithson. misc. Collns, **219**: 298.

Type-species: *Triogma nodicornis* OSTEN SACKEN, 1865: Proc. ent. Soc. Philad., **4**: 239 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 561); not Palae-arctic.

brevipecten ALEXANDER, 1932: Philipp. J. Sci., **49**: 110 (*Liogma*). Type-locality: Mt. Ohdai, Yamata, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Kyushu).

mikado (ALEXANDER, 1919): Ann. ent. Soc. Am., **12**: 346 (*Phalacrocer*a). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).

serraticornis ALEXANDER, 1919: Ann. ent. Soc. Am., **12**: 345 (*Liogma*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Hokkaido, Shikoku, Kyushu).

fuscipennis ALEXANDER, 1932: Philipp. J. Sci., **49**: 111 (*Liogma*). Type-locality: Mt. Daisen, Tottori pref., Honshu (Japan).

simplicicornis ALEXANDER, 1940: Philipp. J. Sci., **71**: 179 (*Liogma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

Phalacrocera SCHINER, 1863

SCHINER, 1863: Wien. ent. Mschr., **7**: 224.

Type-species: *Limnobia nudicornis* SCHUMMEL, 1829: Beitr. Ent., Breslau, **1**: 122 (orig. des.) [= *replicata* (LINNAEUS, 1758)].

- replicata** (LINNAEUS, 1758): Syst. Nat. Ed. 10, 1: 587 (*Tipula*). Type-locality: Europe.—Distr.: Europe; USSR: NET, CET.
nudicornis (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 122 (*Limnobia*). Type-locality: Oder riverbank near Wrocław (Poland).
brevirostris (ZETTERSTEDT, [1838]): Insecta Lapp.: 844 (*Tipula*). Type-locality: Lycksele (Sweden).

Triogma SCHINER, 1863

SCHINER, 1863: Wien. ent. Mschr., 7: 223.

Type-species: *Limnobia trisulcata* SCHUMMEL, 1829: Beitr. Ent., Breslau, 1: 105 (orig. des.).

- kuwanai** (ALEXANDER, 1913): Can. Ent., 45: 321 (*Liogma*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
kuwanai limbinervis ALEXANDER, 1953: Philipp. J. Sci., 82: 56 (*Triogma*). Type-locality: Nisigawa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
nimbipennis ALEXANDER, 1941: Philipp. J. Sci., 73: 407 (*Triogma*). Type-locality: Kuatun, Fujian (China).—Distr.: Asia: China (Zhejiang); China (Fujian).
trisulcata (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 105 (*Limnobia*). Type-locality: near Wrocław (Poland).—Distr.: Europe; USSR: NET.
pulla (MEIGEN, 1830): Syst. Besch., 6: 279 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).

Subfamily Stibadocerinae

Stibadocerella BRUNETTI, 1918

BRUNETTI, 1918: Rec. Indian Mus., 15: 283.

Type-species: *Stibadocerella pristina* BRUNETTI, 1918: l.c.: 283 (orig. des.); not Palaearctic.

- omeiensis** ALEXANDER, 1936: Philipp. J. Sci., 60: 335 (*Stibadocerella*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan); China (Guangdong).

Doubtful genus of Cylindrotomidae

- Goureaudia* BIGOT, 1854: Annls Soc. ent. Fr., (3) 2: 472 ("Pars Gen. *Cylindrostoma*"); without included species.

Family Limoniidae

By E. N. Savchenko, P. Oosterbroek and J. Starý

Small to medium-sized crane flies, which share many characters with the families Tipulidae and Cylindrotomidae. Limoniidae are in general smaller than Tipulidae but notable exceptions are *Pedicia* and *Eutonia*. Males of certain species are often found in swarms.

Last segment of maxillary palps mostly short, about as long as the two preceding segments together (*Pedicia* and *Ula* with a rather long last palpal segment). Antenna usually with 14 to 16 segments. Rostrum short (elongate in *Elephantomyia*, *Helius* and *Geranomyia*). Nasus always absent. Ocelli absent. Thorax with a transverse V-shaped mesonotal suture. Wings elongate with two anal veins reaching wing margin. Wings sometimes reduced. Sc 1 present. Legs usually very long and slender. Tibiae without or with one or two apical spurs. Abdomen usually long and slender. Male terminalia (hypopygium) with a variety of characteristic features. Two pairs of gonostyli usually present, sometimes one or three. Female terminalia (ovipositor) variously modified, but in general including two pairs of valves, cerci usually elongate, pointed.

Larvae elongate, hemicephalic and metapneustic, rarely apneustic. Head capsule distinct, well sclerotized anteriorly, deeply incised ventrally and sometimes dorso-laterally, rigid parts reduced to six longitudinal bars in most Eriopterinae and Hexatomininae. Posterior two-thirds or more of head capsule enclosed by and retractable within prothoracic segment. Abdominal segments smooth or with transverse rows of fine hairs, in several instances with creeping welts or fleshy projections. Terminal segment bearing posterior spiracles, spiracular disk usually surrounded by five or fewer lobe-like projections of variable length. Usually four anal lobes present.

Pupae obtect, elongate. Eyes prominent. Mesothoracic horns usually simple, ranging from short sessile to very elongate. Antennal sheaths long. Tarsal sheaths arranged side by side, not superimposed. Abdomen parallel-sided or almost so, usually more or less smooth except for welts. Anal segment usually with spines, prominent marginal or other abdominal spines especially in Hexatomininae.

Larvae usually in various aquatic and semi-aquatic environments during most of their development, moving to margins or dryer places for pupation. Usually in more or less wet, organic soils or decaying vegetation in or along streams, lakes, swamps, marshes, and woodlands. Other habitats include drier soils (*Dicranoptycha*, some species of *Cheilotrichia*, *Dicranomyia* and *Limonia*), intertidal zones or brackish water (some Limoniini), wet cliffs, piles or bridge piers supporting algal growths (some species of *Limonia*, *Orimarga*, *Elliptera*, *Dactylolabis*), mosses or liverworts (various Limoniinae), decaying wood, or sodden logs in streams, where larvae commonly feed on fungal mycelia (*Gnophomyia*, *Teucholabis*, *Lipsothrix*), sandy or gravelly borders of streams with moderate humus (several Eriopterinae), woody or fleshy fungi (*Ula*, *Metalimno-*

bia). Most larvae feed on decaying plant material, many Limoniinae feed on algae and the like; Pediciini and most Hexatominæ are carnivorous.

Limoniidae are with world-wide some 11000 described species among the largest families of Diptera. Fossils are known from the Lower Jurassic. The phylogenetic arrangement of the genera, tribes and subfamilies is not yet worked out satisfactorily. The adopted classification largely follows Savchenko, 1989, but differs for the genera and subgenera centering around *Ilisia*, *Idiocera* and *Dicranomyia*. Furthermore, the genus *Conosia* is placed in the Hexatominæ, the tribe Elephantomyiini is transferred to the Limoniinae and, after Hynes (1990), the genus *Styringomyia* is not placed in a separate tribe but with the Eriopterini. The Palaearctic subfamilies (4) and tribes (15) are arranged systematically, the genera (88), subgenera (98) and species (over 1700) are arranged alphabetically. Northern Oriental species, not mentioned by Alexander & Alexander (1973), are listed as well. Chinese provinces have been included as far south as Sichuan (Szechwan), Hubei (Hupeh, Hupei), Anhui (Anhwei) and northern Zhejiang (Chekiang). Taken into account are papers published before January 1, 1990, except for Hynes (1990).

This catalogue of Palaearctic Limoniidae is based on a 1981 manuscript by Savchenko. The responsibility for the text, including the nomenclature, however, lies with the second and third authors. Additional comments were received from P. Ashe (Dublin, incl. faunal list of Ireland), G. W. Byers (Lawrence), E. Erhan-Dincă (Bucarest, incl. faunal list of Roumania), W. Geiger (Neuchâtel), J. K. Gelhaus (Philadelphia), T. Hofsvang (Ås), W. Krzemiński (Krakow, incl. faunal list of Poland), H. Mendl (Kempten), H. Reusch (Uelzen), S. Podėnas (Vilnius, incl. faunal list of Lithuania), A. E. Stubbs (Peterborough), Br. Theowald (Amsterdam) and T. Torii (Tokyo). This laborious help and co-operation greatly improved the catalogue text and is highly appreciated.

References: ALEXANDER and BYERS, 1981 (introduction, keys); BITSCH, 1955 (Chionea); BRINDLE, 1962-1967 (preimaginal stages); BYERS, 1983 (Chionea); COE, 1950 (Great Britain); CRISP and LLOYD, 1954 (biology); DIENSKE, 1987 (introduction, keys to subgenera); EDWARDS, 1938 (Great Britain); ERHAN, 1986 (Roumania); FRANZ, 1989 (Austria); GEIGER, 1986 (bibliography of Limoniinae), 1986 (Limoniinae of Switzerland); ISHIDA, 1957-1961 (Japan); de JONG, 1987 (Canary Is); KRZEMIŃSKI, 1978 (Chionea), 1984 (Poland); LACKSCHEWITZ and PAGAST, 1940-1942 (taxonomy); LACKSCHEWITZ, 1940 (taxonomy); LINDNER, 1958 (eggs), 1959 (larvae); MANNHEIMS, 1965 (Finland); MENDL, 1987 (Ireland); MENDL and REUSCH, 1989 (West Germany); OOSTERBROEK and THEOWALD, 1980 (index to publications of Alexander); PRITCHARD, 1983 (biology); POKORNY, 1978 (Eloeophila); SAVCHENKO, 1982-1986 (Fauna Ukrainy), 1983 (Primorye), 1989 (USSR); SAVCHENKO and KRIVOLUTSKAYA, 1976 (Kuril Is, Sakhalin); STARÝ, 1972 (Dicranoptycha), 1987 (Empeda), 1987 (Czechoslovakia); THEOWALD, 1971 (Benelux), 1977, 1981 (Macaronesia); TJEDER, 1955, 1958, 1959 (Sweden); TOKUNAGA, 1930 (morphology).

Subfamily Pediciinae

Tribe Ulini

Ula HALIDAY, 1833

HALIDAY, 1833: Ent. Mag., 1: 153.

Type-species: *Ula mollissima* HALIDAY, 1833: l.c.: 153 (mon.).

Macroptera LIOY, 1863: Atti R. Ist. veneto Sci., (3) 9: 224. Type-species: *Limnobia quadrivittata* LIOY, 1863: l.c.: 225 (orig. des.) [= *sylvatica* (MEIGEN, 1818)].

bolitophila LOEW, 1869: Besch. europ. Dipt., 1: 4 (*Ula*). Type-localities: Kärnten (Austria); Krain (Yugoslavia); Silesia (Poland).—Distr.: Europe: A, CS, D, F, N, PL, R, S, SF, YU; USSR: CET (northwest), SET (Carpathians), ES (south), FE (Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido).

perelegans ALEXANDER, 1924: Philipp. J. Sci., 24: 572 (*Ula*). Type-locality: Abashiri, Hokkaido (Japan).

cineta ALEXANDER, 1924: Philipp. J. Sci., 24: 573 (*Ula*). Type-locality: Akan, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku).

comes ALEXANDER, 1935: Philipp. J. Sci., 56: 552 (*Ula*). Type-locality: Wei Chow, 65 mi NW Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).

fungicola NOBUCHI in TOKUNAGA, ISHIDA and NOBUCHI, 1954: Sci. Rep. Saikyo Univ. Agric., 6: 5 (*Ula*). Type-locality: Takayama, Gifu pref., Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu).

kiushiuensis ALEXANDER, 1933: Philipp. J. Sci., 51: 541 (*Ula*). Type-locality: Mt. Sobo, Bungo, Kyushu (Japan).—Distr.: USSR: FE (Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Kyushu).

longicellata ISHIDA in TOKUNAGA, ISHIDA and NOBUCHI, 1954: Sci. Rep. Saikyo Univ. Agric., 6: 7 (*Ula*). Type-locality: north of Mimasaka-Kamo, Tomada-gun, Okayama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).

mixta STARYĚ, 1983: Annotnes zool.-bot. Bratisl., 154: 3 (*Ula*). Type-locality: Mlynická valley, Vysoké Tatry Mts, Slovakia (Czechoslovakia).—Distr.: Europe: D, CS, N.

mollissima HALIDAY, 1833: Ent. Mag., 1: 153 (*Ula*). Type-locality: not given (Holywood in Downshire, Ireland).—Distr.: Europe: A, B, BG, CH, D, DDR, CS, F (incl. Corsica), GB, H, IRE, N, NL, PL, R, S, SF; USSR: SET, TC.

inconclusa (WALKER, 1856): Ins. Brit., Dipt., 3: 299 (*Limnophila*). Type-locality: not given (Great Britain).

crassicauda AGRELL, 1945: Opusc. ent., 10: 26 (*Ula*). Type-locality: Skärälid, Skåne (Sweden).

- provecta** ALEXANDER, 1936: Philipp. J. Sci., **59**: 243 (*Ula*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- shiitakea** NOBUCHI in TOKUNAGA, ISHIDA and NOBUCHI, 1954: Sci. Rep. Sai-kyo Univ. Agric., **6**: 6 (*Ula*). Type-locality: Kibune, Kyoto pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- succincta** ALEXANDER, 1933: Philipp. J. Sci., **51**: 400 (*Ula*). Type-locality: Mt. Mitake, Musashi, Honshu (Japan).—Distr.: USSR: ?FE (?Sakhalin, ?Kuril Is); Asia: Japan (Honshu).
- sylvatica** (MEIGEN, 1818): Syst. Besch., **1**: 132 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Pyrenees), GB, H, I, IRE, L, N, NL, PL, R, S, SF, YU; USSR: from NET, CET and SET (Uk, Crimea) in the west to Yakutsk and Buryat ASSR (ES) in the east, also FE (Sakhalin).
- macroptera** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 158 (*Limnobia*). Type-locality: not given (northern France).
- pilosa** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 149 (*Limnobia*). Type-locality: not given.
- vagans** (WALKER, 1848): List Dipt. Brit. Mus., **1**: 43 (*Limnobia*). Type-locality: England (Great Britain).
- quadrivittata** (LLOYD, 1863): Atti R. Ist. veneto Sci., (3) **9**: 225 (*Macroptera*). Type-locality: not given.

Tribe Pediciini

Dicranota ZETTERSTEDT, 1838

ZETTERSTEDT, [1838]: Insecta Lapp.: 851.

Type-species: *Dicranota guerini* ZETTERSTEDT, [1838]: l.c.: 851 (mon.).

Plectromyia OSTEN SACKEN, 1869: see below as subgenus.

Rhaphidolabis OSTEN SACKEN, 1869: see below as subgenus.

Amalopina BRUNETTI, 1912: see below as subgenus.

Rhaphidolabina ALEXANDER, 1916: see below as subgenus.

Eudicronata ALEXANDER, 1934: see below as subgenus.

Paradicranota ALEXANDER, 1934: see below as subgenus.

Subgenus **AMALOPINA** BRUNETTI, 1912

BRUNETTI, 1912: Fauna Brit. India, Dipt., **1**: 517 (as genus).

Type-species: *Amalopina elegantula* BRUNETTI, 1912: l.c.: 517 (mon.); not Palaearctic.

- fumicostata** ALEXANDER, 1935: Philipp. J. Sci., **56**: 357 (*Dicranota*). Type-locality: Urai (Taiwan).—Distr.: Asia: China (Zhejiang); Taiwan.
- hyalipennis** ALEXANDER, 1938: Philipp. J. Sci., **66**: 321 (*Dicranota*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- megaplagiata** ALEXANDER, 1933: Philipp. J. Sci., **51**: 399 (*Dicranota*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

Subgenus DICRANOTA ZETTERSTEDT, 1838

- bicornigera** SAVCHENKO, 1978: Vestn. zool., **1978**(5): 40 (*Dicranota*). Type-locality: Talgar gorge, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau).
- bimaculata** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 179 (*Limnobia*). Type-locality: ?near Wrocław (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, I, IRE, N, NL, PL, R, S, SF; USSR: NET (north, west), CET (west), SET (Uk), ?WS (?Altai); North Africa: ?Morocco.
- demissa* (HALIDAY, 1833): Ent. Mag., **1**: 154 (*Limnobia*). Type-locality: not given (Holywood in Downshire, Ireland).
- stigmatella* (ZETTERSTEDT, [1838]): Insecta Lapp.: 835 (*Limnobia*). Type-locality: Lycksele (Sweden).
- finitima* (WALKER, 1848): List Dipt. Brit. Mus., **1**: 52 (*Limnobia*). Type-localities: England (Great Britain); Hammerfest (Norway).
- secreta* (WALKER, 1856): Ins. Brit., Dipt., **3**: 303 (*Limnobia*). Type-locality: not given (Great Britain).
- caesia** ALEXANDER, 1933: Philipp. J. Sci., **51**: 538 (*Dicranota*). Type-locality: near Tang-Gu (China).—Distr.: Asia: China (Sichuan-Tibet border). [Subgeneric position not certain.]
- crassicauda** TJEDER, 1972: Acta Soc. Fauna Flora fenn., **80**: 223 (*Dicranota*). Type-locality: Vietasjokk, Lule Lappmark, Lapland (Sweden).—Distr.: Europe: N, S, SF; USSR: KZ (Zailiyskiy Alatau), SMA (Tj).
- guerini** ZETTERSTEDT, [1838]: Insecta Lapp.: 851 (*Dicranota*). Type-locality: Lycksele (Sweden).—Distr.: Europe: A, CH, CS, DK, GB, IRE, N, S, SF; USSR: NET, CET (Li, Leningrad district), SMA (Ki), FE (Chukotka, Kamchatka, Sakhalin); Asia: Mongolia.
- galactoptera* ALEXANDER, 1927: Arkiv Zool., **19A**(9): 5 (*Dicranota*). Type-locality: Petropavlovsk, Kamchatka (USSR). [Synonymy not certain.]
- irregularis** PIERRE, 1921: Bull. Soc. Sci. nat. Maroc, **1**: 149 (*Dicranota*). Type-locality: Cirque d'Arround, Haute Réraya, High Atlas (Morocco).—Distr.: North Africa: Morocco. [Subgeneric position not certain.]
- mannheimsi** SAVCHENKO, 1972: Dopov. Akad. Nauk ukr. RSR (B), **1972**: 182 (*Dicranota*). Type-locality: Terskey Alatau (USSR: Ki).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki).

- nippoalpina** ALEXANDER, 1933: Philipp. J. Sci., **50**: 147 (*Dicranota*). Type-locality: Mt. Shirouma, Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- nipponica** ALEXANDER, 1919: Ann. ent. Soc. Am., **12**: 344 (*Dicranota*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: USSR: ES (south), FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Honshu).
- polaris** (RIEDEL, 1919): Zap. ross. Akad. Nauk (8) **28**(8): 1 (*Rhinoptila*). Type-locality: near Mt. Minisey, Polar Ural (USSR) (Polar Ural, Tobolsk region, Tyumen obl., USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: north Siberia from Polar Ural to Taymyr.
- quadrihamata** SAVCHENKO, 1977: Trudy biol.-pochv. Inst. DVNC AN SSSR, Vladivostok, (N.S.), **46**(149): 78 (*Dicranota*). Type-locality: Egvekinot, Krest bay, Chukotka (USSR).—Distr.: USSR: FE (Chukotka).
- retrorsa** SAVCHENKO, 1972: Insects of Mongolia, **1**: 723 (*Dicranota*). Type-locality: 35 km SW Ihtamir, Arhangay aimak (Mongolia).—Distr.: Asia: Mongolia.
- ruficornis** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 180 (*Limnobia*). Type-locality: ?Silesia (Poland).—Distr.: Europe: CS, PL. [Subgeneric position not certain.]
- sicaria** ALEXANDER, 1947: Ann. ent. Soc. Am., **40**: 354 (*Dicranota*). Type-locality: Hamasaka, Hyogo pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- yezoensis** ALEXANDER, 1924: Philipp. J. Sci., **24**: 571 (*Dicranota*). Type-locality: Akan lake, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido).
- yezoensis coreana** ALEXANDER, 1940: Philipp. J. Sci., **71**: 45 (*Dicranota*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.

Subgenus EUDICRANOTA ALEXANDER, 1934

ALEXANDER in CURRAN, 1934: Fam. Gen. N. Am. Dipt.: 46 (as subgenus of *Dicranota* ZETTERSTEDT, 1836).

Type-species: *Dicranota notabilis* ALEXANDER, 1929: Can. Ent., **61**: 18 (orig. des.); not Palearctic.

Dicranotella ALEXANDER, 1949: Arkiv Zool., **42**(A)(2): 18 (as subgenus of *Dicranota* ZETTERSTEDT, 1836). Type-species: *Rhaphidolabina sibirica* ALEXANDER, 1925: Proc. U.S. natn. Mus., **68**(4): 10 (orig. des.).

dicranotoides (ALEXANDER, 1924): Ann. ent. Soc. Am., **17**: 72 (*Rhaphidolabina*). Type-locality: Mt. Takao, Musashi-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: Japan (Honshu, Shikoku).

- pallidipes** ALEXANDER, 1933: Philipp. J. Sci., **51**: 539 (*Dicranota*). Type-locality: Yu-Long-Si (China).—Distr.: Asia: China (Tibet border). [Subgeneric position not certain.]
- perdistincta** ALEXANDER, 1940: Philipp. J. Sci., **71**: 44 (*Dicranota*). Type-locality: Ompo (North Korea).—Distr.: Asia: North Korea.
- radialis** ALEXANDER, 1941: Philipp. J. Sci., **76**: 51 (*Dicranota*). Type-locality: Kaolingtzu near Kirin, Manchuria (China).—Distr.: Asia: China (northeast).
- sibirica** (ALEXANDER, 1925): Proc. U.S. natn. Mus., **68**(4): 10 (*Rhaphidolabina*). Type-locality: Amagu, Kudia river, Siberia (USSR).—Distr.: USSR: FE (Khabarovskiy kray, Primorskiy kray).
- sibirica immaculata** SAVCHENKO, 1989: Limoniidae of the USSR: 21 (*Dicranota*). Type-locality: Paramushir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- sibirica nebulipennis** ALEXANDER, 1936: Philipp. J. Sci., **60**: 183 (*Dicranota*, as species). Type-locality: Iwate-gun, Iwate pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- sibirica pallidicosta** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 36 (*Dicranota*). Type-locality: near Mendeleyevo, west slopes of volcano Mendeleyev, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).
- simplex** ALEXANDER, 1938: Philipp. J. Sci., **66**: 320 (*Dicranota*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

Subgenus PARADICRANOTA ALEXANDER, 1934

ALEXANDER in CURRAN, 1934: Fam. Gen. N. Amer. Dipt.: 46 (as subgenus of *Dicranota* ZETTERSTEDT, 1838).

Type-species: *Dicranota rivularis* OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 249 (orig. des.); not Palaearctic.

brevicornis BERGROTH, 1891: Mitt. naturf. Ges. Bern, **1890**: 136 (*Dicranota*). Type-locality: Weissenburg (Switzerland).—Distr.: Europe: A, BG, CH, CS, D, DDR, F, I, PL, YU; USSR: SET (Carpathians).

austriaca NIELSEN, 1953: Z. wien. ent. Ges., **38**: 35 (*Dicranota*). Type-locality: near Admont (Austria).

brevitarsis BERGROTH, 1891: Mitt. naturf. Ges. Bern, **1890**: 135 (*Dicranota*). Type-locality: Weissenburg (Switzerland).—Distr.: Europe: A, CH, CS, D, DDR, F (incl. Corsica), I, R.

franziana NIELSEN, 1953: Z. wien. ent. Ges., **38**: 35 (*Dicranota*). Type-locality: near Admont (Austria).

candelisequa STARY, 1981: Acta ent. bohemoslov., **78**: 195 (*Dicranota*). Type-locality: Belanské Tatry Mts, Tatranská Kotlina, Belá valley (Czechoslovakia).

- Distr.: Europe: A, BG, CS, D, R; USSR: SET (Carpathians, Crimea), TC (Adzhar ASSR).
- capillata** LACKSCHEWITZ, 1940: *Annln naturh. Mus. Wien*, **50**: 118 (*Dicranota*). Type-localities: Gastein; Salzburg (Austria).—Distr.: Europe: A, D, I.
- concavista** SAVCHENKO, 1977: *Trudy biol.-pochv. Inst. DVNC AN SSSR, Vladivostok, (N.S.)*, **46**(149): corrections (*Dicranota*, as new name for *Dicranota emarginata* SAVCHENKO, 1977, a junior secondary homonym of *Pedicia emarginata* ALEXANDER, 1945, now in *Dicranota*).—Distr.: USSR: FE (Kamchatka).
- emarginata* SAVCHENKO, 1977: *Trudy biol.-pochv. Inst. DVNC AN SSSR, Vladivostok, (N.S.)*, **46**(149): 80 (*Dicranota*). Type-locality: floodlands of Bushuyeva river, Kamchatka (USSR).
- consimilis** MENDL, 1987: *Articulata*, **3**: 11 (*Dicranota*). Type-locality: near Belvi, Sardinia (Italy).—Distr.: Europe: F (Corsica), I (Sardinia).
- flammatra** STARÝ, 1981: *Acta ent. bohemoslov.*, **78**: 191 (*Dicranota*). Type-locality: Jeseníky Mts, Rejvíz, Moravia (Czechoslovakia).—Distr.: Europe: A, BG, CS, D, DDR, PL.
- fuscipennis** LACKSCHEWITZ, 1940: *Annln naturh. Mus. Wien*, **50**: 117 (*Dicranota*). Type-locality: Sölden, Tirol (Austria).—Distr.: Europe: A, BG, D, I, R.
- gracilipes** WAHLGREN, 1905: *Ent. Tidskr.*, **26**: 70 (*Dicranota*). Type-locality: Östergötland (Sweden).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, GB, I, N, PL, S; USSR: NET, CET, SET, ?TC.
- hirtitergata** SAVCHENKO, 1979: *Zool. Zh.*, **58**: 1422 (*Dicranota*). Type-locality: Goderdzi pass, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: USSR: TC (Ge); Asia: Turkey.
- lackschewitziana** MENDL, 1988: *Articulata*, **3**: 126 (*Dicranota*). Type-locality: Nassfeld near Salzburg (Austria).—Distr.: Europe: A, I.
- landrocki** CZIŽEK, 1931: *Z. mähr. Landesmus.*, **28**: 178 (*Dicranota*). Type-locality: Hadyberg [= Brno-Hády] (Czechoslovakia) (the same by lectotype des. of STARÝ, 1969).—Distr.: Europe: A, BG, CH, CS, D, H, I, R; USSR: CET (Li), SET (south), TC, SMA (Tj); Asia: Lebanon.
- martinovskiyi** STARÝ, 1974: *Annotnes zool.-bot. Bratisl.*, **99**: 5 (*Dicranota*). Type-locality: Rackova valley, West Tatra (Czechoslovakia).—Distr.: Europe: CS. [See *securifera*.]
- mikiana** LACKSCHEWITZ, 1940: *Annln naturh. Mus. Wien*, **50**: 115 (*Dicranota*). Type-locality: Semmering (Austria).—Distr.: Europe: A, CS.
- minuta** LACKSCHEWITZ, 1940: *Annln naturh. Mus. Wien*, **50**: 115 (*Dicranota*). Type-locality: Trafoi (Italy).—Distr.: Europe: CH, CS, D, I, PL, R; USSR: SET (Carpathians).
- ophidia** ALEXANDER, 1975: *Jl N.Y. ent. Soc.*, **83**: 134 (*Dicranota*). Type-locality: Zanus (Iran).—Distr.: Asia: Iran.
- pallens** LACKSCHEWITZ, 1940: *Annln naturh. Mus. Wien*, **50**: 118 (*Dicranota*). Type-locality: Korab (Albania).—Distr.: Europe: A, AL, BG, CH, CS, D, R.

- cinerascens* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 119 (*Dicranota*, as form of *pallens*). Type-locality: Musallah [= Musala], Rila (Bulgaria). [Synonymy not certain.]
- parviuncinata* SAVCHENKO in SAVCHENKO and PARKHOMENKO, 1983: Zool. Zh., **57**: 1353 (*Dicranota*). Type-locality: Ancha, Great Caucasus nature reserve, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast)
- pavida* (HALIDAY, 1833): Ent. Mag., **1**: 154 (*Limnobia*). Type-locality: not given (Holywood in Downshire, Ireland).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, H, IRE, N, NL, S; USSR: CET (northwest), SET (southwest).
- longitarsis* BERGROTH, 1891: Mitt. naturf. Ges. Bern, **1890**: 136 (*Dicranota*). Type-locality: Weissenburg (Switzerland).
- reitteri* MIK, 1882: Verh. zool.-bot. Ges. Wien, **31**: 317 (*Dicranota*). Type-localities: Arco; Bolzano (Italy).—Distr.: Europe: A, D, F, I.
- brachyptera* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 114 (*Dicranota*, as form of *reitteri*). Type-locality: Bolzano (Italy).
- robusta* LUNDSTRÖM, 1912: Acta Soc. Fauna Flora fenn., **36**(1): 66 (*Dicranota*). Type-localities: Kittilä; Muonio (Finland).—Distr.: Europe: A, CS, D, DDR, DK, F, GB, N, PL, S, SF, YU; USSR: NET (southwest), CET (La, Li); Asia: ?Turkey.
- furva* BERGROTH, 1922: Ent. Meddr, **14**: 17 (*Dicranota*). Type-localities: Thors Mölle; Hadsten (Denmark).
- rorida* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 120 (*Dicranota*). Type-locality: Gjalica Ljums (Albania).—Distr.: Europe: AL.
- rostrata* MENDL, 1987: Articulata, **3**: 14 (*Dicranota*). Type-locality: above Casale Staffora, Staffora valley, Lombardia (Italy).—Distr.: Europe: I.
- schistacea* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 119 (*Dicranota*). Type-locality: Schiltern (Austria).—Distr.: Europe: A, CS, D, DDR, R; USSR: ?SET (?Carpathians).
- securifera* SAVCHENKO, 1986: Fauna Ukrainy, **14**(2): 186 (*Dicranota*). Type-locality: near Ust-Chorna, Tjachevsk district, Zakarpatskaya obl. (USSR: Uk).—Distr.: USSR: SET (Carpathians). [?Conspecific with *martinovskiyi* STARÝ, 1974.]
- simulans* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 116 (*Dicranota*). Type-locality: Vernet-les-Bains (France).—Distr.: Europe: A, B, BG, CS, D, DDR, F, GB, I, PL, R; USSR: SET (Carpathians), TC; Asia: Lebanon.
- spiralis* SAVCHENKO, 1980: Ent. Obozr., **59**: 392 (*Dicranota*). Type-locality: Talgar gorge, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau).
- subtilis* LOEW, 1871: Besch. europ. Dipt., **2**: 18 (*Dicranota*). Type-locality: "Koszielisko am Fusse der Tatra" [= ?near Zakopane] (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, I, IRE, ?IS, N, NL, PL, R, S, SF; USSR: CET (west), SET (south), TC.

Subgenus PLECTROMYIA OSTEN SACKEN, 1869

OSTEN SACKEN, 1869: *Smithson. misc. Collns*, 8(219): 282 (as genus).

Type-species: *Plectromyia modesta* OSTEN SACKEN, 1869: l.c.: 284 (mon.); not Palaearctic.

Astrolabis OSTEN SACKEN, 1865: *Proc. ent. Soc. Philad.*, 4: 225. *Nomen nudum*.

acuminata MENDL, 1972: *Fragm. ent.*, Roma, 8: 150 (*Dicranota*). Type-locality: upper reaches of Torre Arroschia river below S. Bernardo di Mendatica, Alpi Marittime (Italy).—Distr.: Europe: I.

Subgenus RHAPHIDOLABINA ALEXANDER, 1916

ALEXANDER, 1916: *Proc. Acad. nat. Sci. Philad.*, 1916: 540 (as subgenus of *Rhaphidolabis* OSTEN SACKEN, 1869).

Type-species: *Rhaphidolabis flaveola* OSTEN SACKEN, 1869: *Smithson. misc. Collns*, 8(219): 288 (orig. des.); not Palaearctic.

Ludicia HUTSON et VANE-WRIGHT, 1969: *Entomologist's Gaz.*, 20: 243 (as subgenus of *Pedicia* LATREILLE, 1809). Type-species: *Tricyphona lucidipennis* EDWARDS, 1921: *Trans. R. ent. Soc. Lond.*, 1921: 226 (orig. des.).

aberrans SAVCHENKO in SAVCHENKO and PARKHOMENKO, 1980: *Freshwater Fauna of the Far East, Vladivostok*: 96 (*Dicranota*). Type-locality: Beringovskiy, Chukotka (USSR).—Distr.: USSR: ES (Buryat ASSR), FE (Chukotka, Primorskiy kray). [Subgeneric position not certain.]

claripennis (VERRALL, 1888): *Entomologist's mon. Mag.*, 25: 99 (*Amalopsis*). Type-localities: Frant; Barmouth (Great Britain).—Distr.: Europe: A, B, D, F, GB, I, IRE, NL, ?YU.

clausa ALEXANDER, 1938: *Philipp. J. Sci.*, 66: 115 (*Dicranota*). Type-locality: Matsuo, Iwate pref., Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku).

emarginata (ALEXANDER, 1945): *Trans. R. ent. Soc. Lond.*, 95: 243 (*Pedicia*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.

iranensis (ALEXANDER, 1974): *Jl N.Y. ent. Soc.*, 82: 280 (*Pedicia*). Type-locality: Javardi (Iran).—Distr.: USSR: SET (southeast), TC; Asia: Iran.

lucidipennis (EDWARDS, 1921): *Trans. R. ent. Soc. Lond.*, 1921: 226 (*Tricyphona*). Type-locality: Elgin, Grantown (Great Britain).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, F, GB, I, IRE, PL, R, YU; USSR: SET (Carpathians). [See *luteicolor*.]

luteicolor (ALEXANDER, 1974): JI N.Y. ent. Soc., **82**: 282 (*Pedicia*). Type-locality: Cipari (Yugoslavia).—Distr.: Europe: YU. [?Conspecific with *lucidipennis* EDWARDS, 1928.]

meridiana MENDL, 1988: *Articulata*, **3**: 95 (*Dicranota*). Type-locality: above Mucone near Camigliatello, Sila Grande, Calabria (Italy).—Distr.: Europe: I.

trifurcata (EDWARDS, 1928): *Encycl. ent. (B II) Dipt.*, **4**: 185 (*Tricyphona*). Type-localities: Restonica valley; Valdoniella forest (France: Corsica).—Distr.: Europe: F (Corsica), I (incl. Sardinia).

Subgenus RHAPHIDOLABIS OSTEN SACKEN, 1869

OSTEN SACKEN, 1869: *Smithson. misc. Collns*, **8**(219): 284 (as genus).

Type-species: *Rhaphidolabis tenuipes* OSTEN SACKEN, 1869: l.c.: 287 (orig. des.); not Palearctic.

angulata ALEXANDER, 1936: *Philipp. J. Sci.*, **60**: 182 (*Dicranota*). Type-locality: Iwate-gun, Iwate pref., Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu).

angustistyla ALEXANDER, 1940: *Philipp. J. Sci.*, **71**: 185 (*Dicranota*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

babai ALEXANDER, 1958: *Philipp. J. Sci.*, **86**: 298 (*Dicranota*). Type-locality: Kure, Aki, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

basistylata ALEXANDER, 1958: *Philipp. J. Sci.*, **86**: 300 (*Dicranota*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

biloba ALEXANDER, 1936: *Philipp. J. Sci.*, **59**: 242 (*Dicranota*). Type-locality: Wen Chuan, Sichuan (China).—Distr.: Asia: China (Sichuan); India.

commutata SAVCHENKO *in* SAVCHENKO and KRIVOLUTSKAYA, 1976: *Limoniidae of the south Kuril Islands and south Sakhalin*: 44 (*Dicranota*). Type-locality: west slopes of Chekhov peak near Novo-Alexandrovsk, Sakhalin (USSR).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is, ?Kamchatka).

complicata SAVCHENKO, 1979: *Vestn. zool.*, **1979**(1): 24 (*Dicranota*). Type-locality: near Chekhov peak, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).

consors ALEXANDER, 1923: *Ann. ent. Soc. Am.*, **16**: 68 (*Dicranota*). Type-locality: Tamagawa, Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu).

exclusa (WALKER, 1848): *List Dipt. Brit. Mus.*, **1**: 49 (*Limnobia*). Type-locality: Alten [= Alta] (Norway).—Distr.: Europe: CS, D, DDR, DK (Faeroes), GB, IRE, IS, N, PL, S, SF; USSR: CET (Li), WS (Altai, Tuva), ES (Buryat ASSR), FE (Kamchatka, Primorskiy kray, Kuril Is).

coelebs (ZETTERSTEDT, 1851): *Dipt. scand.*, **10**: 3898 (*Limnobia*). Type-localities: Mulfjellet (Sweden); between Suul and Kongsstuen (Norway).

- ferruginea** SAVCHENKO, 1983: Vestn. zool., **1983**(1): 13 (*Dicranota*). Type-locality: Chon-Uryukty, Issyk Kul lake (USSR: Ki).—Distr.: USSR: SMA (Ki).
- flavibasis** (ALEXANDER, 1919): Ann. ent. Soc. Am., **12**: 343 (*Rhaphidolabis*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu).
- flavibasis minuscula** ALEXANDER, 1938: Philipp. J. Sci., **67**: 151 (*Dicranota*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: North Korea.
- gibbera** (ALEXANDER, 1921): Ann. ent. Soc. Am., **14**: 121 (*Rhaphidolabina*). Type-locality: Gifu, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu); Taiwan.
- karafutonis* ALEXANDER, 1930: Philipp. J. Sci., **42**: 520 (*Dicranota*, as subsp. of *gibbera*). Type-locality: Maoka [= Nevelsk], Sakhalin (USSR).
- idiopyga** ALEXANDER, 1953: Philipp. J. Sci., **82**: 62 (*Dicranota*). Type-locality: Mt. Tsurugi, Awa, Kawati to Minokosi, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- luteola** ALEXANDER, 1938: Philipp. J. Sci., **67**: 152 (*Dicranota*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- macracantha** ALEXANDER, 1947: Ann. ent. Soc. Am., **40**: 354 (*Dicranota*). Type-locality: Kamikochi, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- mesasiatica** SAVCHENKO, 1973: Dopov. Akad. Nauk ukr. RSR (B), **1973**: 568 (*Dicranota*). Type-locality: Vanch, Darvaz Mts (USSR: Tj).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Tj).
- neoconsors** ALEXANDER, 1938: Philipp. J. Sci., **67**: 153 (*Dicranota*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- ompoana** ALEXANDER, 1945: Trans. R. ent. Soc. Lond., **95**: 246 (*Dicranota*). Type-locality: Ompo (North Korea).—Distr.: Asia: North Korea.
- ontakensis** ALEXANDER, 1947: Ann. ent. Soc. Am., **40**: 355 (*Dicranota*). Type-locality: Ontake, Hida, southern Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- paraconsors** ALEXANDER, 1955: Ann. ent. Soc. Am., **48**: 372 (*Dicranota*). Type-locality: Mt. Yatsuga, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- persessilis** ALEXANDER, 1954: Philipp. J. Sci., **82**: 291 (*Dicranota*). Type-locality: Mt. Saragamine, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- platymera** ALEXANDER, 1934: Philipp. J. Sci., **53**: 279 (*Dicranota*). Type-locality: Yumoto, Shimotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- polymera** ALEXANDER, 1933: Philipp. J. Sci., **51**: 537 (*Dicranota*). Type-locality: Wakasugiyama, Chizuzen, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).

- praecisa** ALEXANDER, 1938: Philipp. J. Sci., **66**: 319 (*Dicranota*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- profunda** ALEXANDER, 1950: Ann. ent. Soc. Am., **43**: 425 (*Dicranota*). Type-locality: Funakosi, Iwate pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- punctipennis** (EDWARDS, 1928): Ann. Mag. nat. Hist., (10) **1**: 703 (*Rhaphidolabis*). Type-locality: Yatung, Tibet (China).—Distr.: Asia: China (Tibet).
- sinoalpina** ALEXANDER, 1933: Philipp. J. Sci., **50**: 148 (*Dicranota*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- spina** ALEXANDER, 1933: Philipp. J. Sci., **51**: 398 (*Dicranota*). Type-locality: Mt. Kurobegoro, Echiu, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido, Honshu).
- squarrosa** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 43 (*Dicranota*). Type-locality: near Novo-Alexandrovsk, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).
- subconsors** ALEXANDER, 1924: Philipp. J. Sci., **24**: 571 (*Dicranota*). Type-locality: lake Shikotsu, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- trilobulata** ALEXANDER, 1958: Philipp. J. Sci., **86**: 303 (*Dicranota*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- tuberculata** ALEXANDER, 1936: Philipp. J. Sci., **59**: 241 (*Dicranota*). Type-locality: Kibune, Kyoto pref., Honshu (Japan).—Distr.: USSR: ?FE (?Primorskiy kray); Asia: Japan (Hokkaido, Honshu).
- tumidosa** ALEXANDER, 1960: Philipp. J. Sci., **88**: 167 (*Dicranota*). Type-locality: Khoghozi, Hindukush range, Chitral (Pakistan).—Distr.: USSR: KZ (Zailiyskiy Alatau); Asia: Pakistan (north), India (Kashmir).
- yanoana** ALEXANDER, 1958: Trans. Shikoku ent. Soc., **6**: 3 (*Dicranota*). Type-locality: Omogokei, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

Heterangaeus ALEXANDER, 1925

ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 78.

Type-species: *Polyangaeus gloriosus* ALEXANDER, 1924: Philipp. J. Sci., **24**: 569 (orig. des.).

- esakii** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 79 (*Heterangaeus*). Type-locality: lake Ozenuma, on boundary between Iwashiro-no-kuni and Kotsuke-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- gloriosus** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 569 (*Polyangaeus*). Type-locality: Shimizu [= Chistovidnoye], Kholmsk district, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: North Korea, Japan (Honshu).

- gloriosus kusunokii** ALEXANDER, 1954: Philipp. J. Sci., 82: 290 (*Heterangaeus*). Type-locality: Yuyama, near Matsuyama, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- japonicus** (ALEXANDER, 1919): Ann. ent. Soc. Am., 12: 342 (*Polyangaeus*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- japonicus crenatus** ALEXANDER, 1933: Philipp. J. Sci., 51: 541 (*Heterangaeus*). Type-locality: Mt. Ohdai, Nara pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- laticinctus** ALEXANDER, 1931: Philipp. J. Sci., 44: 355 (*Heterangaeus*). Type-locality: Hirayu, Japanese Alps, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- pallidellus** ALEXANDER, 1933: Philipp. J. Sci., 51: 540 (*Heterangaeus*). Type-locality: Mt. Kurobegoro, Echium, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- spectabilis** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) 15: 80 (*Heterangaeus*). Type-locality: Hinoemata, Iwashiro-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

Nasiternella WAHLGREN, 1904

WAHLGREN, 1904: Arkiv Zool., 2(7): 4 (as new name for *Nasiterna* WALLEN-
GREN, 1882, a junior homonym of *Nasiterna* WAGLER, 1832).

Type-species: *Limnobia varinervis* ZETTERSTEDT, 1851: Dipt. scand., 10: 3813 (aut.).

Nasiterna WALLENGREN, 1882: Ent. Tidskr., (1) 2(4): 179 and 191. Type-species: *Limnobia varinervis* ZETTERSTEDT, 1851: Dipt. scand., 10: 3813 (mon.).

regia RIEDEL, 1914: Annls hist.-nat. Mus. natn. hung., 12: 150 (*Nasiternella*). Type-locality: Ungarn: Brassó [= Brasov, Roumania].—Distr.: Europe: A, AL, R.

varinervis (ZETTERSTEDT, 1851): Dipt. scand., 10: 3813 (*Limnobia*). Type-locality: Gamäs Vaerdaliae (Norway).—Distr.: Europe: CS, N: USSR: SET (Carpathians), ES (south), FE (Kamchatka, Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea, Japan (Hokkaido, Shikoku).

hokkaidensis (ALEXANDER, 1934): Philipp. J. Sci., 53: 278 (*Pedicia*). Type-locality: Sounkyo, Hokkaido (Japan).

Nipponomyia ALEXANDER, 1924

ALEXANDER, 1924: Insecutor Inscit. menstr., **12**: 158.

Type-species: *Tricyphona kuwanai* ALEXANDER, 1913: Can. Ent., **45**: 318 (orig. des.).

gracilis SAVCHENKO, 1983: Limoniidae south Primorye: 34 (*Nipponomyia*). Type-locality: Petr Velikiy bay, 3 km S Ryazanovka river, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

kuwanai (ALEXANDER, 1913): Can. Ent., **45**: 318 (*Tricyphona*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

pentacantha ALEXANDER, 1958: Philipp. J. Sci., **86**: 293 (*Nipponomyia*). Type-locality: Mt. Amakazari, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

szechwanensis ALEXANDER, 1935: Philipp. J. Sci., **56**: 550 (*Nipponomyia*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).

trispinosa (ALEXANDER, 1920): Trans. Am. ent. Soc., **46**: 15 (*Tricyphona*). Type-locality: ?Kyoto, Honshu (Japan).—Distr.: USSR: FE (Kurul Is); Asia: Japan (Honshu, Shikoku).

Pedicia LATREILLE, 1809

LATREILLE, 1809: Gen. Crust. Ins., **4**: 255.

Type-species: *Tipula rivosa* LINNAEUS, 1758: Syst. Nat., Ed. 10, **1**: 585 (mon.).

Daimiotipula MATSUMURA, 1916: Thousand Ins. Japan, Add. **2**: 463. Type-species:

Daimiotipula daimio MATSUMURA, 1916: l.c.: 462 and 463 (orig. des.).

Amalopis HALIDAY, 1856: see below as subgenus.

Crunobia KOLENATI, 1859: see below as subgenus.

Subgenus **AMALOPIS** HALIDAY, 1856

HALIDAY in WALKER, 1856: Ins. Brit., Dipt., **3**, Addenda and corrigenda: 15 (as genus).

Type-species: *Limnobia occulta* MEIGEN, 1830: Syst. Besch., **6**: 279 (orig. des.).

Olecranopelma ENDERLEIN, 1936: Tierwelt Mitteleurop., **6**(2), Ins., **3**(16): 23 (as genus). Type-species: *Olecranopelma transversa*: ENDERLEIN, 1936: l.c.: 23, not MEIGEN, 1804, misidentification (orig. des.) [= *occulta* (MEIGEN, 1830)].

depressiloba ALEXANDER, 1945: Trans. R. ent. Soc. Lond., **95**: 244 (*Pedicia*).

Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Khabarovskiy kray, Primorskiy kray); Asia: North Korea.

- reductiloba* SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 29 (*Pedicia*, as subsp. of *vetusta* ALEXANDER). Type-locality: Benevskoye, Lazovskiy district, Primorskiy kray (USSR).
- fimbriatula* ALEXANDER, 1953: Philipp. J. Sci., **82**: 59 (*Pedicia*). Type-locality: Mt. Tsurugi, Awa, Minokosi to Nagoro, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- norikuræ* ALEXANDER, 1958: Philipp. J. Sci., **86**: 289 (*Pedicia*). Type-locality: Mt. Norikura, Shinano, Honshu (Japan).—Distr.: USSR: FE (Amur obl., Sakhalin, Kuril Is); Asia: Japan (Honshu).
- occulta* (MEIGEN, 1830): Syst. Besch., **6**: 279 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, E, F (incl. Corsica), GB, GR (Crete), H, I, IRE, PL, R, YU; USSR: SET (Carpathians, Crimea), TC; Asia: Lebanon.
- gmundenensis* (EGGER, 1863): Verh. zool.-bot. Ges. Wien, **13**: 1104 (*Amalopsis*). Type-locality: Gmunden (Austria).
- opaca* (EGGER, 1863): Verh. zool.-bot. Ges. Wien, **13**: 1104 (*Amalopsis*). Type-locality: Gmunden (Austria).
- transversa*: ENDERLEIN, 1936: Tierwelt Mitteleurop., **6**(2), Ins., **3**(16): 23, not MEIGEN, 1804. misidentification.
- pallida* SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 30 (*Pedicia*). Type-locality: near Malokurilskoye, Shikotan, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- seticauda* (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) **15**: 77 (*Tricyphona*). Type-locality: lake Ozenuma on boundary between Iwashiro-no-kuni and Kotsuke-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- setipennis* (ALEXANDER, 1931): Philipp. J. Sci., **44**: 355 (*Tricyphona*). Type-locality: Mt. Norikura, Japanese Alps, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- tenuiloba* ALEXANDER, 1957: Philipp. J. Sci., **85**: 354 (*Pedicia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: FE (Kuril Is, ?Moneron); Asia: Japan (Honshu).
- tenuiloba grisea* SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 27 and 30 (*Pedicia*). Type-locality: near Novo-Alexandrovsk, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).
- vetusta* (ALEXANDER, 1913): Can. Ent., **45**: 320 (*Tricyphona*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku).

Subgenus CRUNOBIA KOLENATI, 1859

KOLENATI, 1859: Jahresh. nat. Sect. k.k. mähr.-schles. Ges. Ackerbau, Natur-, Landesk., 1858: 59 (as genus).

Type-species: *Crunobia schienerii* KOLENATI, 1859: l.c.: 59 (mon.) [= *straminea* (MEIGEN, 1838)].

dispar SAVCHENKO, 1978: Zool. Zh., 57: 700 (*Pedicia*). Type-locality: between Adigeni and Goderdzi pass, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: USSR: TC (southwest).

littoralis (MEIGEN, 1804): Klass. Beschr., 1: 56 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, ?H, I, IRE, NL, PL, R, S, YU; USSR: SET (Carpathians).

binotata (MEIGEN, 1838): Syst. Beschr., 7: 29 (*Limnobia*). Type-locality: near Liège (Belgium).

tipulina (EGGER, 1863): Verh. zool.-bot. Ges. Wien, 13: 1103 (*Amalopsis*). Type-locality: Silesia (Poland).

inconstans: European authors, not OSTEN SACKEN, 1860, misidentifications.

lobifera SAVCHENKO, 1986: Fauna Ukrainy, 14(2): 159 (*Pedicia*). Type-locality: near Nevitskoye, Uzhgorod district, Zakarpatskaya obl. (USSR: Uk).—Distr.: USSR: SET (Carpathians).

patens ALEXANDER, 1938: Philipp. J. Sci., 67: 148 (*Pedicia*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.

persica ALEXANDER, 1974: JI N.Y. ent. Soc., 82: 279 (*Pedicia*). Type-locality: Haradan (Iran).—Distr.: Asia: Iran.

riedeli (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, 50: 106 (*Tricyphona*). Type-localities: near Reinerz [= Duszniki Zdrój, W of Klodzko] (Poland); Frankenfels (Austria); Raibl (Yugoslavia).—Distr.: Europe: A, CS, D, DDR, PL, YU (north).

riedeli nielsenii (SLÍPKA, 1955): Zool. Anz., 154: 69 (*Tricyphona*, as species). Type-locality: Temnosmrecinovska valley, High Tatra (Czechoslovakia).—Distr.: Europe: BG, CS, R; USSR: SET (Carpathians).

semireducta SAVCHENKO, 1978: Zool. Zh., 57: 706 (*Pedicia*). Type-locality: near Khandy, Akhalkalaki district, Dzavakhet Mts (USSR: Ge).—Distr.: USSR: TC (Ge).

spinifera STARYÍ, 1974: Annotnes zool.-bot. Bratisl., 99: 3 (*Pedicia*). Type-locality: Yamakov, Rila Mts (Bulgaria).—Distr.: Europe: BG, R.

staryi SAVCHENKO, 1978: Zool. Zh., 57: 709 (*Pedicia*). Type-locality: near Vorokhta, Ivano-Frankovsk obl. (USSR: Uk).—Distr.: USSR: SET (Carpathians).

straminea (MEIGEN, 1838): Syst. Beschr., 7: 28 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F,

- GB, ?H, I, N, NL, PL, R, S, SF, YU; USSR: NET (west), CET (west), SET (west).
- geniculata* (MEIGEN, 1818): Syst. Besch., 1: 124 (*Limnobia*). Type-locality: Harz (Germany). [A questionable senior synonym.]
- schienerei* (KOLENATI, 1859): Jahresh. nat. Sect. k.k. mähr.-schles. Ges. Ackerbau, Natur-, Landesk., 1858: 59 (*Crunobia*). Type-locality: sources of Tess [= Desná] stream, Altvater [= Praded], Moravia (Czechoslovakia).
- tjederi* MENDL, 1974: Fragm. ent., Roma, 10: 30 (*Pedicia*). Type-locality: Torre Sorna S of St. Giacomo, Monte Baldo (Italy).—Distr.: Europe: I.
- zangeriana* NIELSEN, 1950: Bull. Soc. ent. ital., 80: 48 (*Pedicia*). Type-locality: Ladino, Forlì (Italy).—Distr.: Europe: F, I.
- zernyi* (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, 50: 107 (*Tricyphona*). Type-locality: Breno valley near Dubrovnik (Yugoslavia).—Distr.: Europe: A, AL, GR (incl. Kerkira), PL [= ?subsp. *pallens*], R, YU.
- zernyi elegantula* SAVCHENKO, 1978: Zool. Zh., 57: 703 (*Pedicia*). Type-locality: near Bakhmaro, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: TC (Ge, Az).
- zernyi pallens* SAVCHENKO, 1978: Zool. Zh., 57: 703 (*Pedicia*). Type-locality: near Vorokhta, Ivano-Frankovsk obl. (USSR: Uk).—Distr.: Europe: CS, ?PL, R; USSR: SET.

Subgenus PEDICIA LATREILLE, 1809

- arctica* FREY, 1921: Notul. ent., 1: 110 (*Pedicia*). Type-locality: Ponoy, Kola peninsula (USSR).—Distr.: USSR: NET (north), WS (north), ES (Yakutsk ASSR), FE (Amur obl.).
- baikalica* (ALEXANDER, 1930): Philipp. J. Sci., 42: 66 (*Tricyphona*). Type-locality: Turan, Baikal (USSR).—Distr.: USSR: ES (Buryat ASSR).
- brachycera* ALEXANDER, 1933: Philipp. J. Sci., 50: 145 (*Pedicia*). Type-locality: Mt. Shirouma, Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- cockerelli* ALEXANDER, 1925: Proc. U.S. natn. Mus., 68: 9 (*Pedicia*). Type-locality: Olga, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray, Sakhalin).
- cubitalis* ALEXANDER, 1933: Philipp. J. Sci., 51: 396 (*Pedicia*). Type-locality: Mt. Kurobegoro, Echiu, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- daimio* (MATSUMURA, 1916): Thousand Ins. Japan, Add. 2: 462 and 463 (*Daimio-tipula*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- gaudens* (ALEXANDER, 1925): Ann. ent. Soc. Am., 17: 440 (*Tricyphona*). Type-locality: Kyoto, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

- gifuensis** KARIYA, 1934: Philipp. J. Sci., **53**: 305 (*Pedicia*). Type-locality: Mt. Kinkwa, Gifu, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido, Honshu, Kyushu).
- gifuensis sawadai** KARIYA, 1934: Philipp. J. Sci., **53**: 306 (*Pedicia*). Type-locality: Gora, Hakone, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- grandior** (ALEXANDER, 1923): Ann. ent. Soc. Am., **16**: 69 (*Tricyphona*). Type-locality: Mt. Hakuba, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Kyushu).
- issikiella** ALEXANDER, 1953: Philipp. J. Sci., **82**: 57 (*Pedicia*). Type-locality: Mt. Tsurugi, Awa, Minokosi, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- kuwayamai** ALEXANDER, 1966: Mushi, **39**: 124 (*Pedicia*). Type-locality: Uennai [= Petrovo], Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).
- laetabilis** ALEXANDER, 1938: Philipp. J. Sci., **67**: 144 (*Pedicia*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Amur obl., Primorskiy kray, Sakhalin); Asia: North Korea.
- nawai** KARIYA, 1934: Philipp. J. Sci., **53**: 304 (*Pedicia*). Type-locality: Mt. Ontake, Hida, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- rivosa** (LINNAEUS, 1758): Syst. Nat., Ed. 10, 1: 585 (*Tipula*). Type-locality: Europe.—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Pyrenees), GB, H, I, IRE, N, NL, PL, R, S, SF; USSR: NET, CET, SET, ?WS (?Altai).
triangularis (FABRICIUS, 1775): Syst. entom.: 749 (*Tipula*). Type-locality: Scotland (Great Britain).
- rivosa mannheimsi** LINDNER, 1966: Stuttg. Beitr. Naturk., No **149**: 7 (*Pedicia*). Type-locality: Schwarzwald [D].—Distr.: Europe: D, F.
- simulata** ALEXANDER, 1938: Philipp. J. Sci., **67**: 146 (*Pedicia*). Type-locality: Chonsani, Paiktusan (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- subtransversa** ALEXANDER, 1933: Philipp. J. Sci., **50**: 146 (*Pedicia*). Type-locality: Mt. Shirouma, Japanese Alps, Honshu (Japan).—Distr.: Asia: North Korea, Japan (Honshu).
- subtransversa triacantha** ALEXANDER, 1958: Philipp. J. Sci., **86**: 287 (*Pedicia*). Type-locality: Mt. Amakazari, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

Savchenkolana KOCÁK, 1981

KOCÁK, 1981: Priamus, 1: 111 (as new name for *Eugenia* SAVCHENKO, 1977, a junior homonym of *Eugenia* GOULD, 1856).

Type-species: *Eugenia mokrzhitskiae* SAVCHENKO, 1977: Dokl. Akad. Nauk ukr. RSR (B), 1977: 568 (aut.).

Eugenia SAVCHENKO, 1977: Dokl. Akad. Nauk ukr. RSR (B), 1977: 567. Type-species: *Eugenia mokrzhitskae* SAVCHENKO, 1977: l.c.: 568 (orig. des.).

mokrzhitskae (SAVCHENKO, 1977): Dokl. Akad. Nauk ukr. RSR (B), 1977: 568 (*Eugenia*). Type-locality: near Primorskiy, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

Tricyphona ZETTERSTEDT, 1837

ZETTERSTEDT, 1837: Isis (Oken's), 1837(1): 65.

Type-species: *Limonia immaculata* MEIGEN, 1804: Klass. Beschr., 1: 58 (mon.).

Tryciphona ZETTERSTEDT, [1838]: Insecta Lapp.: 851. Type-species: *Limonia immaculata* MEIGEN, 1804: Klass. Beschr., 1: 58 (mon.).

Bophrosia RONDANI, 1856: Dipt. Ital. Prodromus, 1: 183. Type-species: *Limonia immaculata* MEIGEN, 1804: Klass. Beschr., 1: 58 (orig. des.).

Trifurcaria LACKSCHEWITZ, 1964: see below as subgenus.

Subgenus **TRICYPHONA** ZETTERSTEDT, 1837

acicularis (ALEXANDER, 1945): Trans. R. ent. Soc. Lond., 95: 242 (*Pedicia*). Type-locality: Puksu Pyaksan, Kankyo Nanda (North Korea).—Distr.: Asia: North Korea.

acuspica (ALEXANDER, 1974): JI N.Y. ent. Soc., 82: 284 (*Pedicia*). Type-locality: Mughan (Iran).—Distr.: Asia: Iran.

alticola STROBL, 1909: Mitt. naturw. Ver. Steierm., 46: 281 (*Tricyphona*). Type-localities: Natterriegel; Bösenstein (Austria).—Distr.: Europe: A, AL, CH, D, F, I.

[**brevifurcata** ALEXANDER, 1919: Rep. Can. arct. Exped., 1913-1918, 3 (C: Diptera): 6 (*Tricyphona*). Type-locality: W Konganevik, Camden bay, Alaska (USA).—Distr.: USSR: ?FE (?Chukotka); Nearctic Region.]

confluens ALEXANDER, 1922: Insecutor Inscit. menstr., 10: 186 (*Tricyphona*). Type-locality: Gifu, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

confluens subconfluens (ALEXANDER, 1958): Philipp. J. Sci., 86: 287 (*Pedicia*). Type-locality: Mt. Amakazari, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

diaphanoides (ALEXANDER, 1938): Philipp. J. Sci., 67: 150 (*Pedicia*). Type-locality: Ompo (North Korea).—Distr.: Asia: North Korea, Japan (Honshu).

elburzensis (ALEXANDER, 1974): JI N.Y. ent. Soc., 82: 283 (*Pedicia*). Type-locality: Mt. Elburz, Quattekas (Iran).—Distr.: Asia: Iran.

immaculata (MEIGEN, 1804): Klass. Beschr., 1: 58 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK

- (incl. Faeroes), E, F (incl. Corsica), GB, H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET (incl. Novaya Zemlya), CET, SET, TC, KZ (Zailiyskiy Alatau), SMA (Ki), WS (Altai); Asia: Lebanon.
- insulana** ALEXANDER, 1913: Can. Ent., **45**: 319 (*Tricyphona*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Kamchatka, Primorskiy kray, Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu).
- kirishimensis** ALEXANDER, 1928: Philipp. J. Sci., **35**: 474 (*Tricyphona*). Type-locality: Mt. Kirishima, Kyushu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- livida** MADARASSY, 1881: Természetr. Fü., **5**: 38 (*Tricyphona*). Type-locality: near Franzdorf, at the foot of Mt. Semenik, Komitat Krassó (Roumania).—Distr.: Europe: A, BG, CH, CS, D, DDR, F, I, PL, R, SF; USSR: NET (southwest), CET (Li), SET (Carpathians), TC (Ge).
- contraria** BERGROTH, 1888: Verh. zool.-bot. Ges. Wien, **38**: 650 (*Tricyphona*). Type-localities: Nassfeld, Hohe Tauern; Salzburg (Austria).
- alpigena** (STROBL, 1909): Mitt. naturw. Ver. Steierm., **46**: 282 (*Dicranota*). Type-locality: Natteriegl (Austria).
- longiloba** (ALEXANDER, 1938): Philipp. J. Sci., **67**: 149 (*Pedicia*). Type-locality: Ompo (North Korea).—Distr.: Asia: North Korea.
- omeiana** (ALEXANDER, 1938): Philipp. J. Sci., **66**: 471 (*Pedicia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- optabilis** ALEXANDER, 1924: Ann. ent. Soc. Am., **17**: 70 (*Tricyphona*). Type-locality: Otaki, Chichibu, Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- [orophila** (ALEXANDER, 1928): Philipp. J. Sci., **36**: 463 (*Pedicia*). Type-locality: Noko (Taiwan).—Distr.: Asia: Taiwan.]
- orophila trichophora** (ALEXANDER, 1971): Trans. Shikoku ent. Soc., **11**: 12 (*Pedicia*). Type-locality: Mt. Inao, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- pectinata** ALEXANDER, 1931: Philipp. J. Sci., **44**: 354 (*Tricyphona*). Type-locality: Mt. Norikura, Japanese Alps, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- pyrenaica** (VERRALL, 1888): Entomologist's mon. Mag., **25**: 97 (*Amalopis*). Type-locality: Pyrenees.—Distr.: Europe: E/F (Pyrenees), R. [Generic position not certain.]
- schummeli** EDWARDS, 1921: Trans. R. ent. Soc. Lond., **1921**: 227 (*Tricyphona*). Type-locality: Brodick, Arran (Great Britain).—Distr.: Europe: A, AL, B, BG, CS, D, DK, F, GB, I, IRE, N, NL, PL, R, S, SF; USSR: NET (west), CET (west), SET (west).
- unicolor** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 187 (*Limnobia*). Type-localities: near Wrocław; near Pöpelwitz (Poland).—Distr.: Europe: A, B, CS, D, DDR, DK, F, GB, I, NL, PL, R, S, SF; USSR: NET (west, incl. Novaya Zemlya), CET (west), SET (west).

- ussurica** (ALEXANDER, 1934): Philipp. J. Sci., **52**: 334 (*Pedicia*). Type-locality: near Shkotovo, Maiche region, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- yakushimana** ALEXANDER, 1930: Philipp. J. Sci., **42**: 67 (*Tricyphona*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).
- zwicki** MENDL, 1973: Mitt. schweiz. ent. Ges., **46**: 291 (*Tricyphona*). Type-locality: Akijama pass (Turkey).—Distr.: USSR: TC; Asia: Turkey (Civcan-Dagi).

Subgenus TRIFURCARIA LACKSCHEWITZ, 1964

- LACKSCHEWITZ, 1964: Ent. Obozr., **43**: 732 (as genus).
Type-species: *Trifurcaria arctica* LACKSCHEWITZ, 1964: l.c.: 732 (mon.).
- arctica** (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 732 (*Trifurcaria*). Type-locality: Kamenniy Is, mouth of Kolyma river, Yakutsk ASSR (USSR).—Distr.: USSR: ES (mouth of Kolyma river), FE (Chukotka).

Subfamily Hexatominiæ

Tribe Phyllolabini

Grahamomyia ALEXANDER, 1935

- ALEXANDER, 1935: Philipp. J. Sci., **56**: 554.
Type-species: *Grahamomyia bicellula* ALEXANDER, 1935: l.c.: 556 (orig. des.).
- bicellula** ALEXANDER, 1935: Philipp. J. Sci., **56**: 556 (*Grahamomyia*). Type-locality: Wei Chow, 65 mi NW Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).

Phyllolabis OSTEN SACKEN, 1877

- OSTEN SACKEN, 1877: Bull. U.S. geol. geogr. Survey Terr., **3**: 202.
Type-species: *Phyllolabis clavigera* OSTEN SACKEN, 1877: l.c.: 203 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 590); not Palaearctic.
- alexanderi** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 95 (*Phyllolabis*). Type-locality: Pashtrik (Albania).—Distr.: Europe: AL, BG, GR.

- ghilarovi** SAVCHENKO, 1983: Vestn. zool., **1983**(1): 15 (*Phyllolabis*). Type-locality: Lichk, Megrinskiy district (USSR: Arm).—Distr.: USSR: TC (Arm).
- gohli** MENDL, 1976: NachrBl. bayer. Ent., **25**: 33 (*Phyllolabis*). Type-locality: Stülpach, Allgäuer Alpen [D].—Distr.: Europe: D.
- hemmingseni** NIELSEN, 1959: Ent. Meddr, **29**: 65 (*Phyllolabis*). Type-locality: Acequia de Marrero in Barranco de la Higuera, Gran Canaria (Canary Is).—Distr.: Canary Is.
- laudata** ALEXANDER, 1936: Philipp. J. Sci., **60**: 342 (*Phyllolabis*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- lindneri** MANNHEIMS, 1959: Bonn. zool. Beitr., **10**: 151 (*Phyllolabis*). Type-locality: Taygetos, on pass from Sparti to Kalamae (Greece).—Distr.: Europe: GR.
- macroura** (SIEBKE, 1863): Nyt Mag. Naturvid., **12**: 179 (*Limnobia*). Type-localities: Fokstua; Hjerkin, Drivdalen (Norway).—Distr.: Europe: A, CH, CS, I, N, PL, S, SF; USSR: NET (north).
- macrura* SIEBKE: incorrect subsequent spelling.
- mannheimsiana** NIELSEN, 1961: Ent. Meddr, **31**: 112 (*Phyllolabis*). Type-locality: Barranco de la Lechucilla-Barranco de los Vinatigos, Gran Canaria (Canary Is).—Distr.: Canary Is.
- nielseni** MANNHEIMS, 1959: Bonn. zool. Beitr., **10**: 153 (*Phyllolabis*). Type-locality: Oiti Mts (Greece).—Distr.: Europe: GR.
- pictivena** ALEXANDER, 1932: Philipp. J. Sci., **49**: 394 (*Phyllolabis*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pubipennis** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 96 (*Phyllolabis*). Type-locality: Korab (Albania).—Distr.: Europe: A, AL, BG, CH, I, R.
- savtshenkoi** THEOWALD, 1981: Bull. zool. Mus. Univ. Amsterdam, **8**: 47 (*Phyllolabis*). Type-locality: Famara, Lanzarote (Canary Is).—Distr.: Canary Is.
- theowaldi** MANNHEIMS, 1959: Bonn. zool. Beitr., **10**: 155 (*Phyllolabis*). Type-locality: Oiti Mts (Greece).—Distr.: Europe: GR.
- tjederi** SAVCHENKO, 1967: Vestn. zool., **1967**(4): 17 (*Phyllolabis*). Type-locality: west slopes of Goderdzi pass, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: USSR: TC (Ge).
- vulpecula** ALEXANDER, 1936: Philipp. J. Sci., **60**: 344 (*Phyllolabis*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

Taiwanomyia ALEXANDER, 1923

ALEXANDER, 1923: Philipp. J. Sci., **22**: 476.

Type-species: *Tasiocera fragilicornis* RIEDEL, 1917: Arch. Naturgesch., **82**(A)(5): 112 (orig. des.); not Palearctic.

Esakiomyia ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 73. Type-species: *Esakiomyia filicornis* ALEXANDER, 1925; l.c.: 74 (orig. des.).

- babaella** ALEXANDER, 1957: Philipp. J. Sci., **85**: 358 (*Taiwanomyia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
filicornis (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) **15**: 74 (*Esakiomyia*). Type-locality: Mt. Hakone, Sagami-no-Kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
seticornis (ALEXANDER, 1926): Philipp. J. Sci., **31**: 375 (*Troglophila*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
szechwanensis (ALEXANDER, 1933): Philipp. J. Sci., **50**: 149 (*Troglophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

Tribe Paradelphomyiini

Paradelphomyia ALEXANDER, 1936

ALEXANDER, 1936: Philipp. J. Sci., **60**: 184 (as subgenus of *Adelphomyia* BERGROTH, 1891).

Type-species: *Adelphomyia crossospila* ALEXANDER, 1936: l.c.: 184 (orig. des.).
Haploneura LOEW, 1850: Programm k. Realschule zu Meseritz, **1850**: 36 (as genus) (fossil); see ALEXANDER, 1931: Bernst. Forsch., **2**: 92, 111 and 112.

Adelphomyia: authors, not BERGROTH, 1891, misinterpretations.

Oxyrhiza DE MEIJERE, 1946: see below as subgenus.

Subgenus OXYRHIZA DE MEIJERE, 1946

DE MEIJERE, 1946: Ent. Ber., Amst., **12**: 68 (as genus, as new name for *Oxydiscus* DE MEIJERE, 1913, a junior homonym of *Oxydiscus* KOKEN, 1889).

Type-species: *Oxydiscus nebulosus* DE MEIJERE, 1913: Tijdschr. Ent., **56**: 350 (aut.); not Palaearctic.

Oxydiscus DE MEIJERE, 1913: Tijdschr. Ent., **56**: 350 (as genus). Type-species: *Oxydiscus nebulosus* DE MEIJERE, 1913: l.c.: 350 (mon.); not Palaearctic.

Gonomyiella KUNTZE, 1919: Dt. ent. Z., **1919**: 141 (as genus). Type-species: *Gonomyiella furcata* KUNTZE, 1919: l.c.: 142 (mon.) [= *fuscula* (LOEW, 1873)]. [A junior homonym of *Gonomyiella* MEUNIER, 1899.]

brevifurca SAVCHENKO, 1976: Zool. Zh., **55**: 389 (*Paradelphomyia*). Type-locality: Sennaya Polyana, Great Caucasus nature reserve, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast), TC (Ge).

cerina (ALEXANDER, 1936): Philipp. J. Sci., **60**: 341 (*Adelphomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

- chosenica** ALEXANDER, 1950: Ann. ent. Soc. Am., **43**: 427 (*Paradelphomyia*). Type-locality: Kankyo Nando, Puksu Pyaksan (North Korea).—Distr.: USSR: ?FE (?Sakhalin, ?Kuril Is); Asia: North Korea.
- czizekiana** STARY, 1971: Cas. morav. Mus. Brne, **55**: 135 (*Paradelphomyia*). Type-locality: Brno-Cernovice, Moravia (Czechoslovakia).—Distr.: Europe: BG, CH, CS, D, DDR; USSR: SET (Uk); Asia: Iran.
- dalei** (EDWARDS, 1939): Entomologist's mon. Mag., **75**: 246 (*Oxydiscus*). Type-locality: Glanvilles Wootton, Dorset (Great Britain).—Distr.: Europe: GB; USSR: TC (Ge).
- dissita** ALEXANDER, 1960: Philipp. J. Sci. **88**: 170 (*Paradelphomyia*). Type-locality: Kaghan (Pakistan).—Distr.: USSR: SMA (Tj); Asia: Pakistan.
- ecalcarata** (EDWARDS, 1938): Trans. Soc. Br. Ent., **5**: 95 (*Oxydiscus*). Type-locality: Llangollen, Denbigh, Wales (Great Britain).—Distr.: Europe: CH, CS, D, DDR, GB, PL; USSR: SET (Carpathians).
- fuscula** (LOEW, 1873): Berl. ent. Z., **17**: 35 (*Cladura*). Type-locality: not given (1873: Besch. europ. Dipt., **3**: 64: Wiener Schneeberg (Austria), Kreuth, Bayern [D], Herkulesbad [= Baile Herculane] (Roumania)).—Distr.: Europe: A, BG, CH, CS, D, DDR, DK, GB, IRE, PL, R, S, SF; USSR: NET (south-west), CET (Li), SET (Uk); Asia: Iran.
- furcata** (KUNTZE, 1919): Dt. ent. Z., **1919**: 142 (*Gonomyiella*). Type-locality: Ry (Denmark).
- interposita** SAVCHENKO, 1976: Zool. Zh., **55**: 390 (*Paradelphomyia*). Type-locality: Sennaya Polyana, Great Caucasus nature reserve, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast), TC (Ge).
- laterostriata** SAVCHENKO, 1976: Zool. Zh., **55**: 387 (*Paradelphomyia*). Type-locality: Eidelmanova Polyana, Great Caucasus nature reserve, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast), TC (Ge, Az).
- latissima** (ALEXANDER, 1932): Philipp. J. Sci., **49**: 392 (*Adelphomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: USSR: ?FE (?Primorskiy kray); Asia: China (Sichuan).
- laticornis** (ALEXANDER, 1938): Philipp. J. Sci., **66**: 472 (*Oxydiscus*). Type-locality: Mt. Omei, Sichuan (China). [Synonymy not certain.]
- macracantha** ALEXANDER, 1957: Philipp. J. Sci., **85**: 357 (*Paradelphomyia*). Type-locality: Kami-Ishikawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- majuscula** (ALEXANDER, 1936): Philipp. J. Sci., **59**: 244 (*Adelphomyia*). Type-locality: Beh-Luh-Din, 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- mediterranea** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 70 (*Adelphomyia*). Type-locality: Kerkira (Greece).—Distr.: Europe: GR (Kerkira).
- nielsenii** (KUNTZE, 1919): Dt. ent. Z., **1919**: 142 (*Gonomyia*). Type-locality: Silkeborg (Denmark).—Distr.: Europe: D, DK, F, GB, NL.

- nigrina** (LACKSCHEWITZ, 1940): *Annl. naturh. Mus. Wien*, **50**: 69 (*Adelphomyia*). Type-locality: not given (Yukki, Leningrad obl., USSR, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: Europe: CS, S; USSR: NET (southwest), CET (La).
- septentrionalis* (TJEDER, 1952): *Opusc. ent.*, **17**: 125 (*Oxyrhiza*). Type-locality: Jutänget, Karlsbyn, Sundborn, Dalecarlia (Sweden).
- nimbicolor** ALEXANDER, 1950: *Ann. ent. Soc. Am.*, **43**: 427 (*Paradelphomyia*). Type-locality: Funakosi, Iwate pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- nipponensis** (ALEXANDER, 1925): *Ann. Mag. nat. Hist.*, (9) **15**: 77 (*Adelphomyia*). Type-locality: Yumoto, Simotsuke-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu), China (Sichuan).
- pygmaea** SAVCHENKO, 1973: *Dopov. Akad. Nauk ukr. RSR* (B), **1973**: 280 (*Paradelphomyia*). Type-locality: Rikotskiy pass, Suram Mts (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- reducta** (ALEXANDER, 1938): *Philipp. J. Sci.*, **66**: 322 (*Oxydiscus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- senilis** (HALIDAY, 1833): *Ent. Mag.*, **1**: 153 (*Limnobia*). Type-locality: not given (Holywood in Downshire, Ireland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E, F, GB, I, IRE, NL, PL, R, S, YU; USSR: CET (southwest), SET, TC, SMA (Ki).
- nitidicollis* (MEIGEN, 1818): *Syst. Besch.*, **1**: 126 (*Limnobia*). Type-locality: not given (?near Stolberg [DJ]). [A questionable senior synonym.]
- pilipennis* (STROBL, 1880): *Progr. k.k. Ober-Gymn. Benedictiner Seitenstetten*, **1880**: 64 (*Gonomyia*). Type-locality: Seitenstetten (Austria).

Subgenus PARADELPHOMYIA ALEXANDER, 1936

- crossospila** (ALEXANDER, 1936): *Philipp. J. Sci.*, **60**: 184 (*Adelphomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

Tribe Epiphragmini

Austrollimnophila ALEXANDER, 1920

ALEXANDER, 1920: *Arkiv Zool.*, **13**(6): 4 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila eutaeniata* BIGOT, 1888: *Mission scient. Cap Horn*, **6**(2): 9 (orig. des.); not Palearctic.

Polymoria: ALEXANDER, 1924: *Ann. Mag. nat. Hist.*, (9) **13**: 367, not PHILIPPI, 1865, misinterpretation.

Archilimnophila ALEXANDER, 1934: see below as subgenus.

Subgenus ARCHILIMNOPHILA ALEXANDER, 1934

ALEXANDER in CURRAN, 1934: Fam. Gen. N. Am. Dipt.: 47 (as genus).

Type-species: *Limnophila unica* OSTEN SACKEN, 1869: Smithson. misc. Collns, 8(219): 205 (orig. des.).

arborea SAVCHENKO, 1978: Dokl. Akad. Nauk ukr. RSR (B), 1978: 380 (*Austrolimnophila*). Type-locality: Khabar-Daman, Buryat ASSR (USSR).—Distr.: USSR: ES (Buryat ASSR).

harperi (ALEXANDER, 1926): Insecutor Inscit. menstr., 14: 23 (*Limnophila*). Type-locality: Athabasca Delta, Alberta (Canada).—Distr.: Europe: S; USSR: WS (Tyumen obl.); Nearctic Region.

consobrina TJEDER, 1955: Opusc. ent., 20: 225 (*Austrolimnophila*). Type-locality: Abisko (Sweden).

subpolaris SAVCHENKO, 1969: Dopov. Akad. Nauk ukr. RSR (B), 1969: 1117 (*Austrolimnophila*, figured as *subarctica*). Type-locality: Dudinka, Krasnoyarskiy kray (USSR).—Distr.: USSR: NET (northeast), ES (Krasnoyarskiy kray).

subunicoides (ALEXANDER, 1950): Ann. ent. Soc. Am., 43: 428 (*Archilimnophila*). Type-locality: Puksu Pyaksan (North Korea).—Distr.: USSR: NET (northeast), ES (south), FE (Magadan obl.); Asia: North Korea.

unica (OSTEN SACKEN, 1869): Smithson. misc. Collns, 8(219): 205 (*Limnophila*). Type-locality: White Mts, New Hampshire (USA).—Distr.: Europe: A, BG, CH, CS, D, DDR, DK, F, I, N, PL, R, S, SF, YU; USSR: NET, CET, SET (Carpathians), WS (Altai), ES (Buryat ASSR), FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu); Nearctic Region.

humilis (MEIGEN, 1830): Syst. Besch., 6: 275 (*Limnobia*). Type-locality: not given ("von Hrn. Wiedemann"). [A questionable senior synonym.]

prolixicornis (LUNDSTRÖM, 1907): Acta Soc. Fauna Flora fenn., 29(8): 26 (*Limnophila*). Type-localities: Kuustö; Forssa; Lappo; Uleåborg (Finland) (the first by lectotype des. of TJEDER, 1969).

unicoides (ALEXANDER, 1924): Philipp. J. Sci., 24: 574 (*Limnophila*). Type-locality: Shimizu [= Chistovidnoye], Kholmsk district, Sakhalin (USSR).

Subgenus AUSTROLIMNOPHILA ALEXANDER, 1920

analís (SANTOS ABREU, 1923): Mem. R. Acad. Cienc. Artes Barcelona, 18: 150 (*Limnophila*). Type-locality: Barranco del Río, La Palma (Canary Is).—Distr.: Canary Is. [See *ochracea*.]

asiatica (ALEXANDER, 1925): Proc. U.S. natn. Mus., 68(4): 7 (*Pseudolimnophila*, as subsp. of *ochracea* MEIGEN). Type-locality: Okeanskaya, near Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: WS (Altai), ES (Buryat ASSR), FE (Amur obl., Primorskiy kray, Sakhalin, Kuril Is).

- ligulata* SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 55 (*Austrolimnophila*). Type-locality: near Tretiakovo, Kunashir, Kuril Is (USSR).
- brevicellula* STARÝ, 1977: Entomologica, 13: 66 (*Austrolimnophila*). Type-locality: Pyrgos, Samos (Greece).—Distr.: Europe: GR (Samos).
- erecta* (ALEXANDER, 1934): Philipp. J. Sci., 53: 281 (*Pseudolimnophila*). Type-locality: lake Chuzenji (Tzujenji), Shimotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- horii* (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) 15: 391 (*Pseudolimnophila*). Type-locality: Gokanosho, Higo-no-kuni, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).
- kirishimensis* (ALEXANDER, 1925): Ann. ent. Soc. Am., 17: 438 (*Limnophila*). Type-locality: Mt. Kirishima, on boundary between Osumi and Hiuga, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).
- latistyla* STARÝ, 1977: Entomologica, 13: 68 (*Austrolimnophila*). Type-locality: Molitg les Bs., Pyrenees (France).—Distr.: Europe: E, F (incl. Corsica), GR (Crete), I, YU.
- mobilis* (ALEXANDER, 1934): Philipp. J. Sci., 53: 280 (*Pseudolimnophila*). Type-locality: Sounkyo, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- ochracea* (MEIGEN, 1804): Klass. Besch., 1: 55 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E, F (incl. Corsica), GB, H, I, IRE, L, N, NL, PL, R, S, YU; USSR: NET (excl. north), CET, SET, TC; Asia: Iran. [Records from Madeira and Canary Is probably refer to *analis*.]
- sessilis* (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, 1823-1824: 150 (*Limnobia*). Type-locality: Lille (France).
- aberrans* (WALKER, 1848): List Dipt. Brit. Mus., 1: 51 (*Limnobia*). Type-locality: England (Great Britain).
- tempestiva* (WALKER, 1848): List Dipt. Brit. Mus., 1: 53 (*Limnobia*). Type-locality: England (Great Britain).
- pallida* (BELING, 1873): Verh. zool.-bot. Ges. Wien, 23: 556 (*Limnophila*). Type-locality: not given [D].
- yumotana* (ALEXANDER, 1934): Philipp. J. Sci., 53: 281 (*Pseudolimnophila*). Type-locality: Yumoto, Shimotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

Dactylolabis OSTEN SACKEN, 1860

OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., 1859: 240 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila montana* OSTEN SACKEN, 1860: l.c.: 240 (mon.); not Palearctic.

Rhinoptila NOWICKI, 1867: Verh. zool.-bot. Ges. Wien, **17**: 337. Type-species:

Rhinoptila wodzickii NOWICKI, 1867: l.c.: 339 (mon.).

Coenolabis SAVCHENKO, 1969: see below as subgenus.

Bothrophorus SAVCHENKO, 1984: see below as subgenus.

Subgenus BOTHROPHORUS SAVCHENKO, 1984

SAVCHENKO in SAVCHENKO and PLYUSHCH, 1984: Ent. Obozr., **63**: 169 (as subgenus of *Dactylolabis* OSTEN SACKEN, 1860).

Type-species: *Austrolimnophila monstrosa* SAVCHENKO, 1971: Dokl. Akad. Nauk Tadzhik SSR, **4**: 58 (orig. des.).

monstrosa (SAVCHENKO, 1971): Dokl. Akad. Nauk Tadzhik SSR, **4**: 58 (*Austrolimnophila*). Type-locality: Ruydasht, 40 km N Dushanbe, Gissar Mts (USSR: Tj).—Distr.: USSR: SMA (Tj).

Subgenus COENOLABIS SAVCHENKO, 1969

SAVCHENKO, 1969: Vestn. zool., **1969**(6): 36 (as subgenus of *Dactylolabis* OSTEN SACKEN, 1860).

Type-species: *Dactylolabis aberrans* SAVCHENKO, 1963: Dopov. Akad. Nauk ukr. RSR (B), **1963**: 129 (orig. des.).

aberrans SAVCHENKO, 1963: Dopov. Akad. Nauk ukr. RSR (B), **1963**: 129 (*Dactylolabis*). Type-locality: Crimea State reserve (USSR: Uk).—Distr.: USSR: SET (Crimea, southeast).

aberrans arisianensis SAVCHENKO, 1969: Vestn. zool., **1969**(6): 39 (*Dactylolabis*). Type-locality: Goderdzi pass, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: USSR: TC (southwest).

aberrans imeretica SAVCHENKO, 1969: Vestn. zool., **1969**(6): 39 (*Dactylolabis*). Type-locality: near Bakhmaro, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: TC (southwest).

posthabita (BERGROTH, 1888): Verh. zool.-bot. Ges. Wien, **38**: 648 (*Limnophila*). Type-locality: Laibach [= Ljubljana] (Yugoslavia).—Distr.: Europe: R, YU.

Subgenus DACTYLOLABIS OSTEN SACKEN, 1860

anomala (KUNTZE, 1913): Dt. ent. Z., **1913**: 545 (*Dicranophragma*). Type-locality: not given (Corsica, France).—Distr.: Europe: F (Corsica).

- carbonaria** SAVCHENKO, 1972: Insects of Mongolia, 1: 726 (*Dactylolabis*). Type-locality: Yalmatyn-Ama gorge, 20 km NW Turgen Uul peak, Uvs aimak (Mongolia).—Distr.: USSR: WS (Altai, Tuva); Asia: Mongolia.
- cingulata** SAVCHENKO, 1978: Zool. Zh., 57: 1180 (*Dactylolabis*). Type-locality: north slopes of Zekar pass, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- confinis** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, 50: 81 (*Dactylolabis*). Type-locality: Pashtrik (Albania).—Distr.: Europe: AL, YU.
- corsicana** EDWARDS, 1928: Encycl. ent. (B II) Dipt., 4: 184 (*Dactylolabis*). Type-localities: Restonica valley; Aitone forest; Borgo (France: Corsica).—Distr.: Europe: F (Corsica).
- degradans** SAVCHENKO, 1978: Zool. Zh., 57: 1185 (*Dactylolabis*). Type-locality: basin of Chon-Kyzyl-Su, Terskey Alatau (USSR: Ki).—Distr.: USSR: SMA (Ki).
- denticulata** (BERGROTH, 1891): Mitt. naturf. Ges. Bern, 1890: 132 (*Limnophila*). Type-locality: Weissenburg (Switzerland).—Distr.: Europe: A, CH, CS, D, F, I, PL, R, YU.
- dilatata** (LOEW, 1856): Programm k. Realschule zu Meseritz, 1856: 24 (*Limnobia*). Type-locality: Croatia (Yugoslavia).—Distr.: Europe: A, AL, I, R, YU.
- dilatatoides** SAVCHENKO, 1978: Zool. Zh., 57: 1181 (*Dactylolabis*). Type-locality: 6 km NE Topolevka, Sarkand district, Dzhungarskiy Alatau (USSR).—Distr.: USSR: KZ (east).
- diluta** ALEXANDER, 1922: Insector Inscit. menstr., 10: 183 (*Dactylolabis*). Type-locality: Gifu, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- gracilistylus** ALEXANDER, 1926: Philipp. J. Sci., 31: 372 (*Dactylolabis*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- grunini** SAVCHENKO, 1978: Zool. Zh., 57: 1183 (*Dactylolabis*). Type-locality: Tarbagatay Mts, Semipalatinsk obl. (USSR).—Distr.: USSR: KZ (east).
- hirtipes** SAVCHENKO, 1978: Zool. Zh., 57: 1184 (*Dactylolabis*). Type-locality: Provideniye bay, Chukotka (USSR).—Distr.: USSR: FE (Chukotka, ?Amur obl.); Asia: ?Mongolia.
- jonica** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, 50: 80 (*Dactylolabis*). Type-locality: Englouvi, Levkás (Greece).—Distr.: Europe: GR (Levkás).
- laticellula** SAVCHENKO, 1978: Zool. Zh., 57: 1182 (*Dactylolabis*). Type-locality: Turchak on Biya river, Altai (USSR).—Distr.: USSR: WS (Altai).
- longicauda** ALEXANDER, 1922: Insector Inscit. menstr., 10: 184 (*Dactylolabis*). Type-locality: Mt. Minomo, Honshu (Japan).—Distr.: USSR: ?FE (?Sakhalin); Asia: Japan (Honshu, Shikoku, Kyushu).
- flavidipennis** ALEXANDER, 1922: Insector Inscit. menstr., 10: 184 (*Dactylolabis*). Type-locality: Gifu, Honshu (Japan). [Synonymy not certain.]

- longicauda megastylata** ALEXANDER, 1930: Philipp. J. Sci., **42**: 521 (*Dactylolabis*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- longipennis** STROBL, 1901: Jber. naturh. Landesmus. Kärnten, **26**: 188 (*Dactylolabis*, as form of *sexmaculata* MACQUART). Type-locality: Federaun [= S of Villach] (Austria).—Distr.: Europe: A. [Subgeneric position not certain.]
- mokanica** ALEXANDER, 1940: Notes Ent. chin., **8**: 22 (*Dactylolabis*). Type-locality: Mt. Moka, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- novaezembiae** (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) **15**: 390 (*Limnophila*). Type-locality: Chaîne Fallières, Novaya Zemlya (USSR).—Distr.: extreme north of Eurasia from basin of Pechora river and Novaya Zemlya in the west to Magadan obl. and Wrangel Is in the east.
- nubecula** KUNTZE, 1913: Dt. ent. Z., **1913**: 546 (*Dactylolabis*). Type-locality: not given (Corsica, France).—Distr.: Europe: F (Corsica).
- opaca** SAVCHENKO, 1978: Vestn. zool., **1978**(5): 42 (*Dactylolabis*). Type-locality: Talgar gorge, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki).
- pechlaneri** MENDL, 1976: Ber. naturw.-med. Ver. Innsbruck, **63**: 279 (*Dactylolabis*). Type-locality: Kleiner Solstein, Karwendel Gebirge, Tirol (Austria).—Distr.: Europe: A.
- retrograda** SAVCHENKO, 1978: Zool. Zh., **57**: 1175 (*Dactylolabis*). Type-locality: southern slopes of Zekar pass, Adzhara-Imeretn Mts (USSR: Ge).—Distr.: USSR: TC (Ge).
- rhodia** LOEW, 1869: Besch. europ. Dipt., **1**: 7 (*Dactylolabis*). Type-locality: Rodhos (Greece).—Distr.: Europe: GR (Rodhos).
- satanas** SAVCHENKO, 1971: Ent. Obozr., **50**: 163 (*Dactylolabis*). Type-locality: Haanhohij-Uul, Uvz aimak (Mongolia).—Distr.: Asia: Mongolia.
- sexmaculata** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 147 (*Limnobia*). Type-locality: Lille (France).—Distr.: Europe: A, AL, B, BG, CH, CS, D, F, GB, I, PL, R, YU; USSR: SET (Carpathians).
- frauenfeldi** EGGER, 1863: Verh. zool.-bot. Ges. Wien, **13**: 1107 (*Dactylolabis*). Type-locality: Austria.
- brevinervis** STROBL, 1901: Jber. naturh. Landesmus. Kärnten, **26**: 189 (*Dactylolabis*, as var. of *sexmaculata*). Type-locality: Admont (Austria).
- diluta** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 79 (*Dactylolabis*, as var. of *sexmaculata*). Type-localities: Frankenfels (Austria); Tschaun (Italy); Trebevic (Yugoslavia); Gjalica Ljums (Albania).
- dilutior** ALEXANDER, 1953: Rec. Indian Mus., **50**: 327 (*Dactylolabis*, as subsp. of *sexmaculata*, as new name for *Dactylolabis diluta* LACKSCHEWITZ, 1940, a junior primary homonym of *Dactylolabis diluta* ALEXANDER, 1922).
- subdilata** STARÝ, 1969: Cas. morav. Mus. Brne, **54**: 123 (*Dactylolabis*). Type-locality: Jesenky Mts, Velky Kotel, Moravia (Czechoslovakia).—Distr.: Europe: CS.

- symplectoidea** EGGER, 1863: Verh. zool.-bot. Ges. Wien, **13**: 1107 (*Dactylolabis*).
Type-locality: Küstenland, Oesterreich [= NE Italy].—Distr.: Europe: AL, I, ?NL, YU; North Africa: Morocco.
- transversa** (MEIGEN, 1804): Klass. Beschr., **1**: 57 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, D, E, F, GB, H, I, PL, R, YU; USSR: SET (Carpathians).
- tergestina** EGGER, 1863: Verh. zool.-bot. Ges. Wien, **13**: 1107 (*Dactylolabis*).
Type-locality: Oesterreich, Küstenland [= NE Italy].
- gracilipes** LOEW, 1869: Beschr. europ. Dipt., **1**: 8 (*Dactylolabis*). Type-localities: Taunus [D]; Karlovy Vary (Czechoslovakia).
- angustipennis** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 77 (*Dactylolabis*, as subsp. of *tergestina*). Type-locality: Monistrol (Spain).
- wodzickii** (NOWICKI, 1867): Verh. zool.-bot. Ges. Wien, **17**: 339 (*Rhichnoptila*).
Type-locality: Tatra (Czechoslovakia).—Distr.: Europe: CS, PL.

Epiphragma OSTEN SACKEN, 1860

- OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 238 (as subgenus of *Limnophila* MACQUART, 1834).
Type-species: *Limnophila pavonina* OSTEN SACKEN, 1860: l.c.: 239 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 539) [= *fasciapenne* (SAY, 1823)]; not Palearctic.
- bicinctiferum** ALEXANDER, 1935: Philipp. J. Sci., **56**: 553 (*Epiphragma*). Type-locality: Beh-Luh-Din, 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- evanescens** ALEXANDER, 1940: Lingnan Sci. J., **19**: 130 (*Epiphragma*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang), Japan (Honshu, Shikoku).
- ocellare** (LINNAEUS, 1761): Fauna Sveciae, Ed. 2: 433 (*Tipula*). Type-locality: Europe.—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Pyrenees), GB, H, I, IRE, L, N, NL, PL, R, S, SF, YU; USSR: NET (in the north to Petrozavodsk and Olonez), CET, SET, TC, WS (south), ES (south); Nearctic Region.
- pictum** (FABRICIUS, 1798): Suppl. entom. syst.: 550 (*Tipula*). Type-locality: Halle [DDR].
- punctatum** (MEIGEN, 1818): Syst. Beschr., **1**: 122 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- decoloratum** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 71 (*Epiphragma*, as var. of *ocellare*). Type-locality: Vallombrosa (Italy).

- ocellare gracilistylus** ALEXANDER, 1933: Philipp. J. Sci., **52**: 141 (*Epiphragma*). Type-locality: Tigrovoy, Partisansk district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is).
- subfascipenne** ALEXANDER, 1920: Trans. Am. ent. Soc., **46**: 10 (*Epiphragma*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- subinsigne** ALEXANDER, 1920: Trans. Am. ent. Soc., **46**: 11 (*Epiphragma*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- subobsoletum** ALEXANDER, 1936: Philipp. J. Sci., **59**: 245 (*Epiphragma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- sultana** ALEXANDER, 1938: Philipp. J. Sci., **66**: 324 (*Epiphragma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- trichomera** ALEXANDER, 1955: Philipp. J. Sci., **83**: 286 (*Epiphragma*). Type-locality: Mt. Saragamine, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

Tribe Limnophilini

Adelphomyia BERGROTH, 1891

- BERGROTH, 1891: Mitt. naturf. Ges. Bern, **1890**: 134.
Type-species: *Adelphomyia helvetica* BERGROTH, 1891: l.c.: 134 (mon.) [= *punctum* (MEIGEN, 1818)].
- Tricholimnophila* ALEXANDER, 1928: Philipp. J. Sci., **35**: 476 (as subgenus of *Limnophila* MACQUART, 1834). Type-species: *Limnophila pilifer* ALEXANDER, 1919: Ann. ent. Soc. Am., **12**: 339 (orig. des.).
- acicularis** (ALEXANDER, 1954): Philipp. J. Sci., **82**: 293 (*Limnophila*). Type-locality: Mt. Tsurugi, Awa, Minokosi to Nagoro, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- acicularis bidens** SAVCHENKO, 1983: Limoniidae of south Primorye: 53 (*Adelphomyia*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- biacus** (ALEXANDER, 1954): Philipp. J. Sci., **82**: 295 (*Limnophila*). Type-locality: Mt. Ishizuchi, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- breviramus** (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) **15**: 71 (*Limnophila*). Type-locality: Yumoto, Shimotsuke-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- caesiella** (ALEXANDER, 1929): Philipp. J. Sci., **40**: 538 (*Limnophila*). Type-locality: Hirao hill, near Fukuoka, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).

- flavella** (ALEXANDER, 1920): Trans. Am. ent. Soc., **46**: 12 (*Limnophila*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- macrotrichiata** (ALEXANDER, 1923): Ann. ent. Soc. Am., **16**: 65 (*Limnophila*). Type-locality: Teshio, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea, Japan (Hokkaido).
- pilifer** (ALEXANDER, 1919): Ann. ent. Soc. Am., **12**: 339 (*Limnophila*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- prionolaboides** (ALEXANDER, 1934): Philipp. J. Sci., **53**: 285 (*Limnophila*). Type-locality: Yumoto, Shimotsuke, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu).
- punctum** (MEIGEN, 1818): Syst. Besch., **1**: 128 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, CH, CS, D, DK, NL, PL, S; USSR: NET (south), CET (Li), SET (Carpathians), FE (Kamchatka, Primorskiy kray).
- helvetica** BERGROTH, 1891: Mitt. naturf. Ges. Bern, **1890**: 134 (*Adelphomyia*). Type-locality: Weissenburg (Switzerland).
- saitamae** (ALEXANDER, 1920): Trans. Am. ent. Soc., **46**: 13 (*Limnophila*, as subsp. of *flavella* ALEXANDER). Type-locality: Saitama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Kyushu).
- satsumicola** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 524 (*Limnophila*). Type-locality: Shiroyama hill, Kagoshima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- simplicistyla** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 190 (*Limnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

Afrolimnophila ALEXANDER, 1956

ALEXANDER, 1956: Ruwenzori Exp. 1934-35, **1**: 284 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila dichroica* ALEXANDER, 1956: l.c.: 286 (orig. des.); not Palaearctic.

- abludens** (SAVCHENKO, 1971): Vestn. zool., **1971**(6): 14 (*Limnophila*). Type-locality: between Lenkoran and Bilyasar, Talysh (USSR: Az).—Distr.: USSR: TC (Az).
- aino** (ALEXANDER, 1929): Philipp. J. Sci., **40**: 340 (*Limnophila*). Type-locality: Jozankei, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido).
- basispina** (SAVCHENKO, 1971): Vestn. zool., **1971**(6): 13 (*Limnophila*). Type-locality: near Khotsubani, Kobuleti district, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: TC (southwest).

fenestrella (ALEXANDER, 1940): Philipp. J. Sci., 71: 186 (*Limnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

minima (SAVCHENKO, 1971): Vestn. zool., 1971(6): 11 (*Limnophila*). Type-locality: near Paraga, Ordubad district, Zangezur Mts, Nakhichevan ASSR (USSR: Arm).—Distr.: Europe: GR (incl. Kerkira, Andros, Crete), R; USSR: TC (excl. Talysh).

Conosla VAN DER WULP, 1880

VAN DER WULP, 1880: Tijdschr. Ent., 23: 159.

Type-species: *Limnobia irrorata* WIEDEMANN, 1828: Aussereurop. zweifl. Insekt., 1: 574 (orig. des.).

irrorata (WIEDEMANN, 1828): Aussereurop. zweifl. Insekt., 1: 574 (*Limnobia*). Type-locality: Djakarta, Java (Indonesia).—Distr.: North Africa: Egypt; Asia: Israel, Afghanistan, China, North Korea, South Korea, Japan; Old World tropical and subtropical regions, incl. Africa, southeast Asia, Indonesia, Fiji and Australia.

substituta (WALKER, 1848): List Dipt. Brit. Mus., 1: 39 (*Limnobia*). Type-locality: China.

Eloeophila RONDANI, 1856

RONDANI, 1856: Dipt. Ital. Prodromus, 1: 182.

Type-species: *Limnobia marmorata* MEIGEN, 1818: Syst. Besch., 1: 121 (orig. des.) [= *maculata* (MEIGEN, 1804)].

Ephelia SCHINER, 1863: Wien. ent. Mschr., 7: 222. Type-species: *Limnobia marmorata* MEIGEN, 1818: Syst. Besch., 1: 121 (orig. des.) [= *maculata* (MEIGEN, 1804)].

Elaeophila: authors, unjustified emendation.

albofascia (ALEXANDER, 1975): J1 N.Y. ent. Soc., 83: 135 (*Limnophila*). Type-locality: Durbadam (Iran).—Distr.: Asia: Iran.

apicata (LOEW, 1871): Besch. europ. Dipt., 2: 9 (*Ephelia*). Type-localities: "Mittelgebirge, Harz, Riesengebirge, Galizien am Fusse der Tatra" (Germany, Poland).—Distr.: Europe: A, BG, CH, CS, D, ?DDR, E, F, GB, I, IRE, PL, R, YU; USSR: CET (Li), SET (Uk), TC (southwest), SMA (Tu).

maculatifrons (PIERRE, 1924): Encycl. ent. (B II) Dipt., 1: 89 (*Ephelia*, as "*masculatifrons*", incorrect original spelling). Type-locality: Lozère (France).

- czernyi** (STROBL in CZERNY and STROBL, 1909): Verh. zool.-bot. Ges. Wien, **49**: 140 (*Ephelia*). Type-locality: Algeciras (Spain).—Distr.: Europe: E, F (Corsica).
- dietziana** (ALEXANDER, 1925): Ann. ent. Soc. Am., **17**: 437 (*Limnophila*). Type-locality: Mt. Hakone, Sagami-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu).
- hidana** (ALEXANDER, 1970): Trans. Shikoku ent. Soc., **10**: 71 (*Limnophila*). Type-locality: Ontake, Hida, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- kintaro** (ALEXANDER, 1957): Philipp. J. Sci., **85**: 362 (*Limnophila*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu).
- laciniata** (EDWARDS, 1928): Encycl. ent. (B II) Dipt., **4**: 185 (*Idioptera*). Type-locality: Calvi, Corsica (France).—Distr.: Europe: F (Corsica).
- lilliputina** (ALEXANDER, 1936): Philipp. J. Sci., **59**: 246 (*Limnophila*). Type-locality: Kibune, Kyoto pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- maculata** (MEIGEN, 1804): Klass. Beschr., **1**: 61 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, GR (Crete), H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC, KZ (northwest); Asia: Turkey (Bursa).
- marmorata** (MEIGEN, 1818): Syst. Beschr., **1**: 121 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- decora** (HALIDAY, 1833): Ent. Mag., **1**: 153 (*Limnobia*). Type-locality: not given (Holywood in Downshire, Ireland).
- guttata** (MACQUART, 1834): Hist. nat. Ins., Dipt., **1**: 97 (*Limnophila*). Type-locality: Bordeaux (France). [Synonymy not certain.]
- spoliata** (LOEW, 1871): Beschr. europ. Dipt., **2**: 14 (*Ephelia*). Type-locality: not given [D].
- aegle** (EDWARDS, 1938): Trans. Soc. Br. Ent., **5**: 81 (*Limnophila*, as var. of *maculata*). Type-locality: Ireland.
- melanoptera** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 74 (*Ephelia*, as var. of *marmorata*). Type-locality: Obladis (Austria).
- miliaria** (EGGER, 1863): Verh. zool.-bot. Ges. Wien, **13**: 1106 (*Ephelia*). Type-locality: Austria.—Distr.: Europe: A, AL, BG, CS, D, DDR, F, H, I, PL, R; USSR: SET (Uk); Asia: Turkey.
- mishimai** (ALEXANDER, 1969): Trans. Shikoku ent. Soc., **10**: 39 (*Limnophila*). Type-locality: Mt. Ontake, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- mundata** (LOEW, 1871): Beschr. europ. Dipt., **2**: 12 (*Ephelia*). Type-localities: "Deutschland, Galizien am Fusse der Tatra" (Germany, Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, GB, F, I, IRE, N, PL, R, S, YU; USSR: SET (Uk).
- persalsa** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 46 (*Limnophila*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: WS (Tuva), ES (Buryat ASSR), FE (Kamchatka, Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea.

- pusilla** (KUNTZE, 1920): Dt. ent. Z., 1920: 56 (*Ephelia*). Type-locality: Vizzavona, Corsica (France).—Distr.: Europe: F (Corsica).
- serenensis** (ALEXANDER, 1940): Philipp. J. Sci., 71: 47 (*Limnophila*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- serrulata** (ALEXANDER, 1932): Philipp. J. Sci., 49: 120 (*Limnophila*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- similissima** (ALEXANDER, 1941): Philipp. J. Sci., 76: 54 (*Limnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- subaprilina** (ALEXANDER, 1919): Ann. ent. Soc. Am., 12: 340 (*Limnophila*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku), North Korea.
- subaprilina yezoensis** (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) 15: 72 (*Limnophila*). Type-locality: Jozankei, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido), North Korea.
- submarmorata** (VERRALL, 1887): Entomologist's mon. Mag., 23: 264 (*Ephelia*). Type-localities: Tunbridge Wells; Frant; Loch Maree (Great Britain).—Distr.: Europe: A, BG, CH, CS, D, DDR, DK, F, GB, I, IRE, NL, PL, R, S, SF; USSR: SET (south), TC (southwest); Asia: Iran.
- bistriata** (EDWARDS, 1938): Trans. Soc. Br. Ent., 5: 83 (*Limnophila*, as var. of *submarmorata*). Type-locality: Edge Barton, Devon (Great Britain).
- eatoni** (EDWARDS, 1938): Trans. Soc. Br. Ent., 5: 83 (*Limnophila*, as var. of *submarmorata*). Type-locality: near Seaton, Devon (Great Britain).
- oligosticta** (EDWARDS, 1938): Trans. Soc. Br. Ent., 5: 83 (*Limnophila*, as var. of *submarmorata*). Type-localities: several localities in Devon, Hereford, Sussex, Yorkshire (Great Britain).
- pentasticta** (EDWARDS, 1938): Trans. Soc. Br. Ent., 5: 84 (*Limnophila*, as var. of *submarmorata*). Type-localities: several localities in Arran, Devon, Dorset (Great Britain).
- suffumata** (EDWARDS, 1938): Trans. Soc. Br. Ent., 5: 83 (*Limnophila*, as var. of *submarmorata*). Type-localities: several localities in Devon (Great Britain).
- suensoni** (ALEXANDER, 1926): Philipp. J. Sci., 31: 142 (*Limnophila*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- trimaculata** (ZETTERSTEDT, [1838]): Insecta Lapp.: 833 (*Limnobia*). Type-locality: Bossekop (Norway).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, I, IRE, N, NL, PL, R, S, SF; USSR: NET, CET (northwest), SET (Carpathians).
- ussuriana** (ALEXANDER, 1933): Philipp. J. Sci., 52: 142 (*Limnophila*). Type-locality: Tigrovoy, Partisansk district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea.

- ussuriana iwatensis** (ALEXANDER, 1936): Philipp. J. Sci., **60**: 187 (*Limnophila*). Type-locality: Iwate-gun, Iwate pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- verralli** (BERGROTH, 1912): Entomologist's mon. Mag., **23**: 134 (*Ephelia*). Type-localities: Warwickshire; Derbyshire (Great Britain).—Distr.: Europe: BG, CH, CS, D, DK, E, F, GB, NL, PL, R, SF, YU; USSR: NET (southwest), CET (northwest); North Africa: Algeria.
- dalei** (EDWARDS, 1921): Trans. R. ent. Soc. Lond., **1921**: 221 (*Idioptera*). Type-locality: probably Dorset (Great Britain).
- verrucosa** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: **60** (*Eloeophila*). Type-locality: near Alekhino, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).

Euphyllidorea ALEXANDER, 1972

ALEXANDER, 1972: Ent. News, **83**: 32 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila niveitarsis* OSTEN SACKEN, 1869: Smithson. misc. Collns, **8**(219): 209 (orig. des.); not Palaearctic.

- aperta** (VERRALL, 1887): Entomologist's mon. Mag., **24**: 108 (*Limnophila*). Type-locality: south coast to Sutherlandshire (Great Britain).—Distr.: Europe: A, B, BG, CS, D, DDR, DK, F, GB, IRE, NL, PL, R; USSR: SET (Uk).
- crocotula** (SÉGUY, 1941): Revue fr. Ent., **8**: 28 (*Phylidorea*). Type-locality: Tachdirt, Toubkal (Morocco).—Distr.: North Africa: Morocco.
- dispar** (MEIGEN, 1818): Syst. Besch., **1**: 129 (*Limnobia*). Type-locality: not given ("von Hrn. Megerle" and "von Hrn. Wiedemann").—Distr.: Europe: A, B, ?CH, CS, D, DDR, DK, F, GB, H, IRE, NL, R, S, SF; USSR: NET (southwest), CET (northwest).
- lineola** (MEIGEN, 1804): Klass. Besch., **1**: 56 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, I, IRE, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (west), SET (west); Asia: Israel; North Africa: Morocco.
- meigenii** (VERRALL, 1887): Entomologist's mon. Mag., **23**: 265 (*Limnophila*, as new name for *Limnobia nigrina* MEIGEN, 1830, a junior primary homonym of *Limnobia nigrina* WIEDEMANN, 1828).—Distr.: Europe: A, B, CH, CS, D, DDR, DK (incl. Faeroes), F, GB, I, IRE, PL, IS, N, NL, R, S, SF; USSR: CET (Li).
- nigrina** (MEIGEN, 1830): Syst. Besch., **6**: 277 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).

- maxima* (AGRELL, 1945): Opusc. ent., 10: 24 (*Limnophila*). Type-locality: Hyllstofta, Skåne (Sweden).
- phaeostigma** (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 165 (*Limnobia*). Type-locality: not given (?Silesia, Poland).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, I, N, NL, PL, R, S, SF, YU; USSR: NET (west), CET (northwest), SET (Carpathians) (?as far east as lake Baikal).
- pratorum* (MEIGEN, 1830): Syst. Besch., 6: 277 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- arctica* (ZETTERSTEDT, [1838]): Insecta Lapp.: 834 (*Limnobia*). Type-localities: several localities in "Lapponia Norvegica".
- subadusta** (ALEXANDER, 1924): Philipp. J. Sci., 24: 576 (*Limnophila*). Type-locality: Manui [= Perevalnoye], Dolinskiy district, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).

Eutonia VAN DER WULP, 1874

VAN DER WULP, 1874: Tijdschr. Ent., 17: 147.

Type-species: *Limonia barbipes* MEIGEN, 1804: Klass. Besch., 1: 61 (orig. des.).

Gagamba MATSUMURA, 1916: Thousand Ins. Japan, Add. 2: 472. Type-species: *Gagamba takei* MATSUMURA, 1916: l.c.: 471 and 472 (orig. des.) [= *satsuma* (WESTWOOD, 1876)].

barbipes (MEIGEN, 1804): Klass. Besch., 1: 61 (*Limonia*). Type-locality: near Aachen [D].—Distr.: Europe: A, B, CS, D, DDR, DK, F, H, NL, PL, S, SF; USSR: NET, CET, SET.

satsuma (WESTWOOD, 1876): Trans. R. ent. Soc. Lond., 1876: 504 (*Limnobia*). Type-locality: not given (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).

takei (MATSUMURA, 1916): Thousand Ins. Japan, Add. 2: 471 and 472 (*Gagam-ba*). Type-localities: Saitama; Kyoto; Osaka (Japan).

Idloptera MACQUART, 1834

MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 94.

Type-species: *Idioptera maculata* MACQUART, 1834: l.c.: 94 (mon.) [= *pulchella* (MEIGEN, 1830)].

linnei OOSTERBROEK, 1992: nom. nov. Replacement name for *Tipula fasciata* LINNÉ, 1767, a junior primary homonym of *Tipula fasciata* SCOPOLI, 1763 (*Idioptera*).—Distr.: Europe: A, B, CS, D, DDR, DK, F, GB, I (Sicily), N,

NL, PL, S, SF; USSR: NET, CET (northwest), SET (Uk), WS, ES, FE (Amur obl.).

fasciata (LINNÉ, 1767): Syst. Nat., Ed. 12, 1(2): 973 (*Tipula*). Type-locality: Europe.

macropteryx (TJEDER, 1955): Opusc. ent., 20: 225 (*Limnophila*). Type-locality: Åsele (Sweden).—Distr.: Europe: N, S, SF; USSR: NET (north), CET (Li, Uk), SET (Uk), WS (Altai), ES (south), FE (Magadan obl., Amur obl.).

pulchella (MEIGEN, 1830): Syst. Besch., 6: 275 (*Limnobia*). Type-locality: near Hamburg [D].—Distr.: Europe: A, B, BG, CS, D, DDR, DK, F, GB, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET (Uk), WS (south), ES (south), FE (Amur obl.).

maculata MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 94 (*Idioptera*). Type-locality: Hamburg [D].

Limnophila MACQUART, 1834

MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 95.

Type-species: *Limnobia pictipennis* MEIGEN, 1818: Syst. Besch., 1: 119 (des. WESTWOOD, 1840: Synopsis: 128).

Limnomya RONDANI, 1861: Dipt. Ital. Prodrum., 4: 11 (as [unnecessary] new name for *Limnophila* MACQUART, 1834, not preoccupied in zoology). Type-species: *Limnobia pictipennis* MEIGEN, 1818: Syst. Besch., 1: 119 (aut.).

Poecilostola SCHINER, 1863: Wien. ent. Mschr., 7: 222. Type-species: *Limnobia pictipennis* MEIGEN, 1818: Syst. Besch., 1: 119 (orig. des.).

Dicranophragma OSTEN SACKEN, 1860: see below as subgenus.

Dendrolimnophila ALEXANDER, 1949: see below as subgenus.

Subgenus **DENDROLIMNOPHILA** ALEXANDER, 1949

ALEXANDER, 1949: Am. Midl. Nat., 42: 314 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Shannonomyia albomanicata* ALEXANDER, 1945: Pan-Pacif. Ent., 21: 96 (orig. des.); not Palaearctic.

shikokuensis ALEXANDER, 1953: Philipp. J. Sci., 82: 66 (*Limnophila*). Type-locality: Nasigawa to Kokusen, near Yanase, Tosa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

Subgenus DICRANOPHRAGMA OSTEN SACKEN, 1860

OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., 1859: 240 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila fuscovaria* OSTEN SACKEN, 1860: l.c.: 240 (mon.); not Palaeartic.

formosa ALEXANDER, 1920: Ann. ent. Soc. Am., 13: 258 (*Limnophila*). Type-locality: Funkiko (Taiwan).—Distr.: USSR: ?FE (?Kuril Is); Asia: Japan (Honshu); Taiwan.

laetithorax ALEXANDER, 1933: Philipp. J. Sci., 52: 144 (*Limnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

melaleuca ALEXANDER, 1933: Philipp. J. Sci., 52: 143 (*Limnophila*). Type-locality: Wakasugiyama, Chikuzen, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).

melaleuca ignava ALEXANDER, 1933: Philipp. J. Sci., 52: 144 (*Limnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

microspila ALEXANDER, 1953: Philipp. J. Sci., 82: 165 (*Limnophila*). Type-locality: Mt. Ishizuchi, Koguti, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

perlata ALEXANDER, 1955: Philipp. J. Sci., 83: 289 (*Limnophila*). Type-locality: Mt. Saragamine, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

upsilon ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) 15: 72 (*Limnophila*). Type-locality: Hinoemata, Iwashiro-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

Subgenus LIMNOPHILA MACQUART, 1834

arnoudi THEOWALD, 1971: Tijdschr. Ent., 114: 234 (*Limnophila*). Type-locality: Streithagerbeek (The Netherlands).—Distr.: Europe: B, CH, CS, D, NL; USSR: SET (Carpathians).

benoisti SÉGUY, 1938: Trav. Nat. Vall. Loing, 9: 37 (*Limnophila*). Type-locality: Forêt de Fontainebleau, Seine-et-Marne (France).—Distr.: Europe: F. [Generic position not certain.]

gentilis (LOEW, 1869): Besch. europ. Dipt., 1: 5 (*Poecilostola*). Type-locality: Silesia (Poland).—Distr.: Europe: PL.

japonica ALEXANDER, 1913: Can. Ent., 45: 316 (*Limnophila*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).

martynovi ALEXANDER, 1933: Philipp. J. Sci., 52: 146 (*Limnophila*). Type-locality: Shkotovo, Partisansk district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

- pictipennis** (MEIGEN, 1818): Syst. Besch., 1: 119 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, I (Sicily), NL, PL, R, S, SF, YU; USSR: CET, SET, TC, WS (south), ES (south), FE (Khabarovskiy kray, Primorskiy kray); Asia: Mongolia.
- angustipennis** (MEIGEN, 1818): Syst. Besch., 1: 120 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- politostriata** ALEXANDER, 1934: Philipp. J. Sci., 52: 338 (*Limnophila*). Type-locality: Osernaya, mouth of Amur river (USSR).—Distr.: USSR: FE (south, Sakhalin).
- pruinosa** (MACQUART, 1834): Hist. nat. Ins., Dipt., 1: 99 (*Limnophila*). Type-locality: northern France.—Distr.: Europe: F.
- schranksi** OOSTERBROEK, 1992: nom. nov. Replacement name for *Tipula punctata* SCHRANK, 1781, a junior primary homonym of *Tipula punctata* MÜLLER, 1764 (*Limnophila*).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, I (incl. Sicily), N, NL, PL, R, S, SF, YU; USSR: NET (in the north to Petrozavodsk), CET, SET, TC, KZ (northwest).
- punctata** (SCHRANK, 1781): Enum. ins. austr. indig.: 425 (*Tipula*). Type-locality: Linz (Austria).
- soldatovi** ALEXANDER, 1934: Philipp. J. Sci., 52: 336 (*Limnophila*). Type-locality: Osernaya, mouth of Amur river (USSR).—Distr.: USSR: FE (Khabarovskiy kray).
- varicornis** COQUILLET, 1898: Proc. U.S. natn. Mus., 21: 304 (*Limnophila*). Type-locality: not given (Japan).—Distr.: Asia: Japan (?Shikoku), China (Jiangsu); China (Jiangxi).

Neolimnomyia SÉGUY, 1937

SÉGUY, 1937: Bull. mens. Ass. Nat. Vall. Loing, 13: 6

Type-species: *Neolimnomyia sylvestris* SÉGUY, 1937: l.c.: 6 (orig. des.).

Brachylimnophila ALEXANDER, 1966: see below as subgenus.

Mixolimnomyia SAVCHENKO, 1979: see below as subgenus.

Subgenus BRACHYLIMNOPHILA ALEXANDER, 1966

ALEXANDER, 1966: Trans. Am. ent. Soc., 92: 119 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila brevifurca* OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., 1859: 237 (orig. des.); not Palearctic.

- adjuncta** (WALKER, 1848): List Dipt. Brit. Mus., 1: 40 (*Limnobia*). Type-locality: England (Great Britain).—Distr.: Europe: B, CH, D, E, F (incl. Corsica), GB, I, IRE, NL, R; USSR: SET (southeast), TC (Ge); Asia: Lebanon. [?Conspecific with *nemoralis* MEIGEN, 1818; see MENDL, 1987: Spixiana, 10: 214.]
- dimidiata* (DE MEIJERE, 1918): Tijdschr. Ent., 61: 132 (*Limnophila*). Type-locality: not given (The Netherlands).
- noscibilis* (EDWARDS, 1921): Trans. R. ent. Soc. Lond., 1921: 225 (*Limnophila*, as var. of *nemoralis* MEIGEN). Type-localities: Norfolk; Hants; Devon; N Wales; Arran (Great Britain).
- extremiborealis** SAVCHENKO, 1978: Trudy biol.-pochv. Inst. DVNC AN SSSR, Vladivostok, (N.S.), 49(152): 64 (*Neolimnomyia*). Type-locality: near Shelekhovo, Paramushir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- nemoralis** (MEIGEN, 1818): Syst. Besch., 1: 126 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK (incl. Faeroes), F (incl. Corsica), GB, GR (incl. Crete), H, I (incl. Sicily), IRE, L, N, NL, PL, R, S, SF, YU; USSR: NET (in the north to Mt. Khibiny), CET, SET, TC, KZ (southeast), SMA (Ki, Tj), WS (Altai), ES (south), FE (Primorskiy kray, Sakhalin, Kuril Is); North Africa: Morocco. [See *adjuncta*.]
- leucophaea* (MEIGEN, 1818): Syst. Besch., 1: 127 (*Limnobia*). Type-locality: not given ("aus der Sammlung des Hrn. Grafen von Hoffmannsegg").
- plebeia* (MEIGEN, 1818): Syst. Besch., 1: 127 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- inclusa* (WALKER, 1848): List Dipt. Brit. Mus., 1: 41 (*Limnobia*). Type-localities: England (Great Britain); Alten [= Alta] (Norway).
- separata* (WALKER, 1848): List Dipt. Brit. Mus., 1: 56 (*Limnobia*). Type-locality: Hammerfest (Norway).
- collina* (EDWARDS, 1921): Trans. R. ent. Soc. Lond., 1921: 224 (*Limnophila*, as var. of *nemoralis*). Type-localities: Scotland; N Wales (Great Britain).
- quadrata* (EDWARDS, 1921): Trans. R. ent. Soc. Lond., 1921: 224 (*Limnophila*, as var. of *nemoralis*). Type-localities: Arran; Bonawe; Argyll; Cromarty Point (Great Britain).
- minuscula* (EDWARDS, 1921): Trans. R. ent. Soc. Lond., 1921: 224 (*Limnophila*, as var. of *nemoralis*). Type-localities: Bushy Heath; Knebworth (Great Britain).
- subnemoralis** (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) 15: 73 (*Limnophila*). Type-locality: Yumoto, Shimotsuke-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- transitoria** (ALEXANDER, 1941): Philipp. J. Sci., 76: 56. (*Limnophila*). Type-locality: Kamikochi, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

Subgenus MIXOLIMNOMYIA SAVCHENKO, 1979

SAVCHENKO, 1979: Dopov. Akad. Nauk ukr. RSR (B), 1979: 482 (as subgenus of *Neolimnomyia* SÉGUY, 1937).

Type-species: *Neolimnomyia rufula* SAVCHENKO, 1978: l.c.: 484 (orig. des.).

rufula SAVCHENKO, 1979: Dopov. Akad. Nauk ukr. RSR (B), 1979: 484 (*Neolimnomyia*). Type-locality: Krasnaya polijna, Pslukh river, Grushovoy pass, Tuapse district, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast), TC (Arm).

Subgenus NEOLIMNOMYIA SÉGUY, 1937

batava (EDWARDS, 1938): Trans. Soc. Br. Ent., 5: 91 (*Limnophila*). Type-localities: Beds (Barton); Morayshire (Nairn); Notts; Wexford; Yorks (Great Britain).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F, GB, I, IRE, L, NL, PL, R, S; USSR: CET (Li), SET (Uk).

filata (WALKER, 1856): Ins. Brit., Dipt., 3: 305 (*Limnobia*). Type-locality: not given (Great Britain).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, H, IRE, NL, R, YU; USSR: CET (northwest), SET (Uk). [See *sylvestris*.]

sylvestris SÉGUY, 1937: Bull. mens. Ass. Nat. Vall. Loing, 13: 6 (*Neolimnomyia*). Type-locality: Fontainebleau, Seine-et-Marne (France).—Distr.: Europe: F. [?Conspecific with *filata* WALKER, 1856.]

Nippolimnophila ALEXANDER, 1930

ALEXANDER, 1930: Philipp. J. Sci., 42: 70.

Type-species: *Nippolimnophila kiusiuensis* ALEXANDER, 1930: l.c.: 71 (orig. des.).

kiusiuensis ALEXANDER, 1930: Philipp. J. Sci., 42: 71 (*Nippolimnophila*). Type-locality: Mt. Kirishima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).

omogiana ALEXANDER, 1955: Philipp. J. Sci., 83: 291 (*Nippolimnophila*). Type-locality: Omogo valley, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

perproducta ALEXANDER, 1957: Philipp. J. Sci., 85: 363 (*Nippolimnophila*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

yakushimensis ALEXANDER, 1930: Philipp. J. Sci., 42: 72 (*Nippolimnophila*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).

Phyllidorea BIGOT, 1854

BIGOT, 1854: *Annls Soc. ent. Fr.*, (3) 2: 456 and 472 (as genus).

Type-species: *Limnobia ferruginea* MEIGEN, 1818: *Syst. Besch.*, 1: 128 (des. COQUILLET, 1910: *Proc. U.S. natn. Mus.*, 37: 590).

Veruina WALLENGREN, 1882: *Ent. Tidskr.*, (1) 2(4): 180 (as genus). Type-species: *Limnobia bifurcata* ZETTERSTEDT, 1837: *Isis* (Oken's), 1837(1): 63 (mon.) [*? = ferruginea* (MEIGEN, 1818)].

Macrolabina SAVCHENKO, 1986: see below as subgenus.

Paraphyllidorea SAVCHENKO, 1986: see below as subgenus.

Subgenus MACROLABINA SAVCHENKO, 1986

SAVCHENKO, 1986: *Vestn. zool.*, 1986(5): 20 (as subgenus of *Phyllidorea* BIGOT, 1854).

Type-species: *Limnobia nigronotata* SIEBKE, 1870: *Nyt Mag. Naturvid.*, 17: 305 (orig. des.).

alexanderi (STARÝ, 1974): *Cas. morav. Mus. Brne*, 58: 114 (*Limnophila*). Type-locality: Pirin, near Baude Begovica (Bulgaria).—Distr.: Europe: BG.

latistyla SAVCHENKO, 1986: *Vestn. zool.*, 1986(5): 25 (*Phyllidorea*). Type-locality: Kolyma river, Magadan obl. (USSR).—Distr.: USSR: FE (Magadan obl.).

nigronotata (SIEBKE, 1870): *Nyt Mag. Naturvid.*, 17: 305 (*Limnobia*). Type-locality: Hesla bridge, Hemsil river, Gol (Norway).—Distr.: Europe: DDR, DK, N, PL, S, SF; USSR: NET (southwest), CET (northwest), ES (Taymyr), FE (Chukotka, Sakhalin, Primorskiy kray); Asia: Mongolia.

conifera (LACKSCHEWITZ, 1935): *Tromsø Mus. Årsh.*, (4) 53(4): 26 (*Limnophila*, as new name for *Limonia bicolor*: NIELSEN, 1925, not MEIGEN, 1804, misidentification).

nigronotata macrocera SAVCHENKO, 1986: *Vestn. zool.*, 1986(5): 23 (*Phyllidorea*). Type-locality: Narva, Mana river, Krasnoyarskiy kray (USSR).—Distr.: USSR: WS (Altai), ES (south), FE (Amur obl.).

pernigrita (ALEXANDER, 1938): *Philipp. J. Sci.*, 67: 156 (*Limnophila*). Type-locality: Chonsani, Paiktusan (North Korea).—Distr.: USSR: FE (Chukotka, Primorskiy kray); Asia: North Korea.

Subgenus PARAPHYLIDOREA SAVCHENKO, 1986

SAVCHENKO, 1986: Fauna Ukrainy, 14(2): 290 (as subgenus of *Phylidorea* BIGOT, 1854).

Type-species: *Limnobia fulvonervosa* SCHUMMEL, 1829: Beitr. Ent., Breslau, 1: 164 (orig. des.).

fulvocostalis (COQUILLET in JORDAN, 1899): Fur seals and fur-seal islands of the North Pacific Ocean, 4: 342 (*Limnophila*). Type-locality: Bering Is (USSR).—Distr.: USSR: FE (Bering Is, Kamchatka, Kuril Is).

kamtchatkensis (ALEXANDER, 1927): Arkiv Zool., 19(A)(9): 3 (*Limnophila*). Type-locality: Petropavlovsk, Kamchatka (USSR). [Synonymy not certain.]

fulvonervosa (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 164 (*Limnobia*). Type-localities: near Charlottenbrunn [= Jedlina Zdrój; S of Walbrzych]; near Wrocław (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, I, IRE, N, NL, PL, R, S, SF; USSR: NET, CET, SET, FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido).

lineolella (VERRALL, 1887): Entomologist's mon. Mag., 23: 266 (*Limnophila*). Type-locality: Lymington to Tongue (Great Britain).

sapporensis (ALEXANDER, 1921): Insecutor Inscit. menstr., 9: 181 (*Limnophila*). Type-locality: Sapporo, Hokkaido (Japan).

Subgenus PHYLIDOREA BIGOT, 1854

abdominalis (STAEGER, 1840): Naturh. Tidsskr., 3: 29 (*Limnophila*). Type-locality: Leersøen (Denmark).—Distr.: Europe: A, B, CS, D, DDR, DK, F, GB, H, N, NL, PL, S, SF; USSR: NET, CET, SET (Uk).

robusta (WAHLGREN, 1905): Ent. Tidskr., 26: 69 (*Limnophila*). Type-localities: Uppland; Östergötland; Småland; Öland (Sweden).

axillaris (STROBL, 1906): Mems R. Soc. esp. Hist. nat., 3: 413 (*Limnophila*). Type-locality: Malgrat (Spain).—Distr.: Europe: E. [Subgeneric position not certain.]

bicolor (MEIGEN, 1804): Klass. Beschr., 1: 54 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, CH, CS, D, DDR, F, PL, R, S, SF, YU; USSR: NET, CET (northwest), SET (Uk).

brevifurcata (STROBL, 1906): Mems R. Soc. esp. Hist. nat., 3: 414 (*Limnophila*, as ?var. of *axillaris* STROBL). Type-locality: Malgrat (Spain).—Distr.: Europe: E. [Subgeneric position not certain.]

celaena (ALEXANDER, 1970): Trans. Shikoku ent. Soc., 10: 72 (*Limnophila*). Type-locality: Mt. Ontake, Hida, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

- contraria** (WOLLASTON, 1858): Ann. Mag. nat. Hist., (3) 1: 114 (*Limnobia*). Type-locality: Cruzinhas (Madeira).—Distr.: Madeira.
- costalis** (SANTOS ABREU, 1923): Mem. R. Acad. Cienc. Artes Barcelona, 18: 154 (*Limnophila*). Type-locality: Barranco del Ancón, La Palma (Canary Is).—Distr.: Canary Is.
- ferruginea** (MEIGEN, 1818): Syst. Besch., 1: 128 (*Limnobia*). Type-locality: not given (?near Stolberg [DJ]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK (incl. Faeroes), F (incl. Corsica), GB, H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET, SET, TC, KZ, SMA, WS (Tuva); Asia: Mongolia.
- fulvescens** (MEIGEN, 1818): Syst. Besch., 1: 127 (*Limnobia*). Type-locality: not given ("aus der Sammlung des Hrn. Grafen von Hoffmannsegg").
- praeusta** (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 169 (*Limnobia*). Type-locality: near Wrocław (Poland).
- bifurcata** (ZETTERSTEDT, 1837): Isis (Oken's), 1837(1): 63 (*Limnobia*). Type-locality: not given (Sweden). [Synonymy not certain.]
- unicolor** (WALKER, 1856): Ins. Brit., Dipt., 3: 289 (*Limnobia*). Type-locality: not given (Great Britain).
- gracilistyla** SAVCHENKO, 1973: Dopov. Akad. Nauk ukr. RSR (B), 1973: 372 (*Phylidorea*). Type-locality: west slopes of Goderdzi pass, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: USSR: SET (southeast), TC (southwest).
- heterogyna** (BERGROTH, 1913): Acta Soc. Fauna Flora fenn., 37(6): 7 (*Limnophila*). Type-locality: Rodga (Sweden).—Distr.: Europe: B, CS, D, DDR, DK, F, GB, S, SF; USSR: NET (southwest), CET (La).
- hokkaidensis** (ALEXANDER, 1947): Ann. ent. Soc. Am., 40: 357 (*Limnophila*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido).
- kuwayamai** (ALEXANDER, 1925): Ann. ent. Soc. Am., 17: 440 (*Limnophila*). Type-locality: Sapporo, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- longicornis** (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 168 (*Limnobia*). Type-locality: near Wrocław (Poland).—Distr.: Europe: A, B, CS, D, DK, F, GB, N, NL, PL, R, S, SF; USSR: NET (to Kola peninsula), CET, SET, WS (Salekhard, Tuva).
- glabricula** (MEIGEN, 1830): Syst. Besch., 6: 276 (*Limnobia*). Type-locality: not given ("von Hrn. Wiedemann").
- binotata** (ZETTERSTEDT, 1837): Isis (Oken's), 1837(1): 63 (*Limnobia*). Type-locality: not given (Sweden).
- longicornis pietatis** (ALEXANDER, 1950): Ann. ent. Soc. Am., 43: 431 (*Limnophila*, as species). Type-locality: Puksu Pyaksan (North Korea).—Distr.: USSR: FE (from Kamchatka to Primorsky kray); Asia: North Korea.

- melanommatata** (ALEXANDER, 1921): Ann. ent. Soc. Am., **14**: 120 (*Limnophila*). Type-locality: Koiwai farm, near Morioka, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu).
- melanura** (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 728 (*Limnophila*). Type-locality: northwest shore of lake Khassein, Gydanskiy peninsula, Tyumen obl. (USSR).—Distr.: USSR: WS (north), ES (Taymyr, Yakutsk ASSR), FE (Chukotka [= ?new subsp.]).
- modesta** (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 729 (*Limnophila*). Type-locality: lake Kisi at mouth of Taba river, basin of Amur river (USSR).—Distr.: USSR: FE (Khabarovskiy kray).
- mundella** (ALEXANDER, 1931): Philipp. J. Sci., **44**: 357 (*Limnophila*). Type-locality: Mt. Norikura, Japanese Alps, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- nervosa** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 167 (*Limnobia*). Type-locality: ?near Wrocław (Poland).—Distr.: Europe: A, CS, D, DDR, DK, F, PL, R, SF, YU; USSR: NET (southwest), CET (northwest), SET (Uk).
- nigricollis** (MEIGEN, 1830): Syst. Besch., **6**: 276 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- squalens** (ZETTERSTEDT, [1838]): Insecta Lapp.: 834 (*Limnobia*). Type-localities: Lycksele; Brattiksfjell (Sweden); Senja; Dovre (Norway).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, IRE, N, NL, PL, R, S, SF; USSR: NET, CET (west), SET (Uk).
- denudata** (ZETTERSTEDT, [1838]): Insecta Lapp.: 831 (*Erioptera*). Type-localities: several localities in Lapland.
- tarda** (WALKER, 1848): List Dipt. Brit. Mus., **1**: 41 (*Limnobia*). Type-locality: England (Great Britain).
- squalens multidentata** (ALEXANDER, 1938): Philipp. J. Sci., **67**: 155 (*Limnophila*, as subsp. of *subpoetica*). Type-locality: Chonsani, Paiktusan (North Korea).—Distr.: Asia: North Korea.
- squalens subpoenaetica** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 575 (*Limnophila*, as species). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is, ?Magadan obl.).
- umbrarum** (KROGERUS, 1937): Notul. ent., **17**: 57 (*Limnophila*). Type-localities: several localities in NE Finland (Salla, Finland, by lectotype des. of TJEDER, 1969).—Distr.: Europe: SF; USSR: NET (Komi), WS (north Ural), ES, FE; Asia: North Korea.
- megapygia** (ALEXANDER, 1938): Philipp. J. Sci., **67**: 154 (*Limnophila*). Type-locality: Chonsani, Paiktusan (North Korea).
- subglabricula** (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 730 (*Limnophila*). Type-locality: Urkan river, tributary of Zeya river, Khabarovskiy kray (USSR).
- yamamotoi** (ALEXANDER, 1936): Philipp. J. Sci., **60**: 186 (*Limnophila*). Type-locality: Iwate-gun, Iwate pref., Honshu (Japan).—Distr.: USSR: ?FE (?Kuril Is); Asia: Japan (Honshu).

Pilaria SINTENIS, 1889

SINTENIS, 1889: Sber. naturf. Ges. Univ. Dorpat, 8: 398.

Type-species: *Limnobia pilicornis* ZETTERSTEDT, 1851: Dipt. scand., 10: 3885 (des. SHARP, 1890: Zool. Rec., 1889, Ins.: 281) [= *meridiana* (STAEGER, 1840)].

decolor (ZETTERSTEDT, 1851): Dipt. scand., 10: 3824 (*Limnobia*, as new name for *Limnobia unicolor* ZETTERSTEDT, 1838, a junior primary homonym of *Limnobia unicolor* SCHUMMEL, 1829).—Distr.: Europe: CS, D, N, NL, S, SF; USSR: TC (Ge).

unicolor (ZETTERSTEDT, [1838]): Insecta Lapp.: 834 (*Limnobia*). Type-locality: Lycksele (Sweden).

discicollis (MEIGEN, 1818): Syst. Besch., 1: 125 (*Limnobia*). Type-locality: Austria.—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, I (incl. Sicily), IRE, N, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET, SET; Asia: Iran. [See *ripicola*.]

ruralis (MEIGEN, 1838): Syst. Besch., 7: 27 (*Limnobia*). Type-locality: not given.

discicollis simulans SAVCHENKO, 1983: Limoniidae of south Primorye: 61 (*Pilaria*). Type-locality: near Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

dorsalis ALEXANDER, 1924: Philipp. J. Sci., 24: 577 (*Pilaria*). Type-locality: Konuma [= Novo-Alexandrovsk], Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido).

fuscipennis (MEIGEN, 1818): Syst. Besch., 1: 125 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, ?I, IRE, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (west), SET, ?FE.

hypermea ALEXANDER, 1970: Trans. Shikoku ent. Soc., 10: 75 (*Pilaria*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku).

melanota ALEXANDER, 1922: Insecutor Inscit. menstr., 10: 185 (*Pilaria*). Type-locality: Gifu, Honshu (Japan).—Distr.: USSR: FE (Sakhalin); Asia: Japan (Honshu, Shikoku).

meridiana (STAEGER, 1840): Naturh. Tidsskr., 3: 41 (*Limnobia*). Type-locality: not given (Denmark).—Distr.: Europe: CS, DDR, DK, GB, IRE, N, PL, S, SF, ?YU; USSR: NET, CET (northwest), WS (near Tomsk), FE (Sakhalin); Nearctic Region.

pilicornis (ZETTERSTEDT, 1851): Dipt. scand., 10: 3885 (*Limnobia*). Type-localities: Ejsta; Hoburg (Sweden).

nigropunctata (AGRELL, 1945): Opusc. ent., 10: 25 (*Limnophila*). Type-locality: Hyllstofta, Skåne (Sweden).—Distr.: Europe: CS, D, PL, S.

- ripicola** GÉRARD, 1968: Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, **59/60**: 165 (*Pilaria*). Type-localities: between Montbonnet and Domène; Sonnant; between Gières and Uriage; 3 km from Uriage (France).—Distr.: Europe: F. [?Conspecific with *discicollis* (MEIGEN, 1818).]
- scutellata** (STAEGER, 1840): Naturh. Tidsskr., **3**: 34 (*Limnophila*). Type-locality: Leersøen (Denmark).—Distr.: Europe: A, B, CS, D, DDR, DK, F, GB, H, NL, R, S, SF, YU; USSR: CET (La), SMA (Ki, Tj); Asia: Iran.
- subtincta** (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3823 (*Limnobia*). Type-locality: Lund (Sweden).
- stigmosa** (MACQUART, 1834): Hist. nat. Ins., Dipt., **1**: 97 (*Limnophila*). Type-locality: northern France.—Distr.: Europe: F.
- tokionis** (ALEXANDER, 1920): Trans. Am. ent. Soc., **46**: 13 (*Limnophila*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

Polymera WIEDEMANN, 1820

WIEDEMANN, 1820: Dipt. exot., Ed. 1, **1**: 40.

Type-species: *Chironomus hirticornis* FABRICIUS, 1805: Syst. antl.: 46 (mon.); not Palaearctic.

- parvicornis** ALEXANDER, 1932: Philipp. J. Sci., **49**: 119 (*Polymera*). Type-locality: Kibune, Kyoto pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu). [Generic position not certain.]

Prionolabis OSTEN SACKEN, 1860

OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 239 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila rufibasis* OSTEN SACKEN, 1860: l.c.: 239 (mon.); not Palaearctic.

- acanthophora** (ALEXANDER, 1938): Philipp. J. Sci., **67**: 157 (*Limnophila*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- acutistylus** (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) **15**: 389 (*Limnophila*). Type-locality: Mt. Wakasugi, Chikuzen-no-kuni, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).
- astans** STARÝ, 1982: Bull. zool. Mus. Univ. Amsterdam, **9**: 27 (*Prionolabis*). Type-locality: Ronco, Genua (Italy).—Distr.: Europe: I.
- atrofemorata** (ALEXANDER, 1954): Trans. Shikoku ent. Soc., **4**: 30 (*Limnophila*, as new name for *Limnophila nigrofemorata* ALEXANDER, 1938, a junior pri-

- mary homonym of *Limnophila nigrofemorata* ALEXANDER, 1927).—Distr.: Asia: Japan (Honshu, Shikoku).
- nigrofemorata* (ALEXANDER, 1938): Philipp. J. Sci., **66**: 117 (*Limnophila*). Type-locality: Mt. Nansho, Iwate pref., Honshu (Japan).
- auribasis* (ALEXANDER, 1918): Ann. ent. Soc. Am., **11**: 446 (*Limnophila*). Type-locality: Osaka, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- carbonis* (ALEXANDER, 1938): Philipp. J. Sci., **66**: 325 (*Limnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- clavaria* (ALEXANDER, 1950): Ann. ent. Soc. Am., **43**: 429 (*Limnophila*). Type-locality: Kankyo Nando, Puksu Pyaksan, Toorisani (North Korea).—Distr.: USSR: ?WS (?Altai, ?Minusinsk), ?FE (?Sakhalin); Asia: North Korea.
- cognata* (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 87 (*Limnophila*). Type-locality: Pashtrik (Albania).—Distr.: Europe: AL, YU.
- dis* (ALEXANDER, 1950): Ann. ent. Soc. Am., **43**: 430 (*Limnophila*). Type-locality: Puksu Pyaksan (North Korea).—Distr.: Asia: North Korea.
- elapsa* (BERGROTH, 1888): Verh. zool.-bot. Ges. Wien, **38**: 649 (*Limnophila*, as new name for *Limnobia unicolor* AM STEIN, 1860, a junior primary homonym of *Limnobia unicolor* ZETTERSTEDT, 1838).—Distr.: Europe: ?A, CH. [See *longeantennata*.]
- unicolor* (AM STEIN, 1860): Jber. naturf. Ges. Graubünden (N.F.), **5**: 100 (*Limnobia*). Type-locality: not given (Switzerland).
- extensa* (ALEXANDER, 1958): Trans. Shikoku ent. Soc., **6**: 6 (*Limnophila*). Type-locality: Misaka pass, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- hospes* (EGGER, 1863): Verh. zool.-bot. Ges. Wien, **13**: 1108 (*Limnophila*). Type-locality: Austria.—Distr.: Europe: A, B, BG, CH, CS, D, DDR, E, F, H, I, N, PL, R, YU; USSR: SET (southwest).
- platyptera* (MACQUART, 1834): Hist. nat. Ins., Dipt., **1**: 106 (*Limnobia*). Type-locality: Lorraine (France). [A junior primary homonym of *Limnobia platyptera* MACQUART, 1826.]
- imanishii* (ALEXANDER, 1932): Philipp. J. Sci., **49**: 122 (*Limnophila*). Type-locality: Bogaya, Toyama pref., Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- inermis* (ALEXANDER, 1934): Philipp. J. Sci., **53**: 285 (*Limnophila*). Type-locality: lake Chuzenji (Tzujenji), Shimotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- inopis* (ALEXANDER, 1970): Trans. Shikoku ent. Soc., **10**: 74 (*Limnophila*). Type-locality: Yokomura, Mino, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- isis* (ALEXANDER, 1958): Trans. Shikoku ent. Soc., **6**: 4 (*Limnophila*). Type-locality: Mt. Hukumi, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- iyogensis* (ALEXANDER, 1955): Philipp. J. Sci., **83**: 288 (*Limnophila*). Type-locality: Mt. Kuro, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- kunimiana* (ALEXANDER, 1969): Trans. Shikoku ent. Soc., **10**: 39 (*Limnophila*). Type-locality: Mt. Kunimi, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).

- lictor** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 188 (*Limnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- liponeura** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 523 (*Limnophila*). Type-locality: Mt. Kirishima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- lipophleps** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 522 (*Limnophila*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- longeantennata** (STROBL, 1909): Mitt. naturw. Ver. Steierm., **46**: 278 (*Limnophila*). Type-locality: near Admont (Austria).—Distr.: Europe: A. [?Conspecific with *elapsa* BERGROTH, 1888.]
- luteibasalis** (ALEXANDER, 1934): Philipp. J. Sci., **53**: 283 (*Limnophila*). Type-locality: Konsei pass, Shimotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- majorina** (ALEXANDER, 1958): Trans. Shikoku ent. Soc., **6**: 5 (*Limnophila*). Type-locality: Misaka pass, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- mendli** SAVCHENKO, 1983: Limoniidae of south Primorye: 58 (*Prionolabis*). Type-locality: near Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- neomunda** (ALEXANDER, 1925): Ann. ent. Soc. Am., **17**: 437 (*Limnophila*). Type-locality: Sapporo, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- nigrilunae** (TOKUNAGA, 1935): Annotnes zool. jap., **15**: 196 (*Limnophila*). Type-locality: Kamikochi, Nagano pref., Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- odai** (ALEXANDER, 1933): Philipp. J. Sci., **51**: 401 (*Limnophila*). Type-locality: not given (near Tokyo, Honshu, Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- pilosula** (ALEXANDER, 1936): Philipp. J. Sci., **59**: 247 (*Limnophila*). Type-locality: Wen Chuan, Sichuan (China).—Distr.: Asia: China (Sichuan).
- poliochroa** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 189 (*Limnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- recurvans** (ALEXANDER, 1953): Philipp. J. Sci., **82**: 64 (*Limnophila*). Type-locality: Nisigawa to Yanase, Tosa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- rufipennis** (ALEXANDER, 1919): Ann. ent. Soc. Am., **12**: 341 (*Limnophila*). Type-locality: Chichibu, Saitama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- shikokuana** (ALEXANDER, 1953): Philipp. J. Sci., **82**: 65 (*Limnophila*). Type-locality: Mt. Tsurugi, Awa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- sounkyana** (ALEXANDER, 1934): Philipp. J. Sci., **53**: 282 (*Limnophila*). Type-locality: Sôunkyô, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido).

- subcognata** SAVCHENKO, 1971: Dopov. Akad. Nauk ukr. RSR (B), 1971: 754 (*Prionolabis*). Type-locality: near Bakhmaro, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: TC (southwest).
- submunda** (ALEXANDER, 1918): Ann. ent. Soc. Am., 11: 446 (*Limnophila*). Type-locality: Kyoto, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- uncinata** (ALEXANDER, 1954): Philipp. J. Sci., 82: 296 (*Limnophila*). Type-locality: Omogokei, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- yamamotana** (ALEXANDER, 1938): Philipp. J. Sci., 66: 118 (*Limnophila*). Type-locality: Matsuo, Iwate pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- yankovskyana** (ALEXANDER, 1940): Philipp. J. Sci., 71: 50 (*Limnophila*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.

Pseudolimnophila ALEXANDER, 1919

ALEXANDER, 1919: Mem. Cornell Univ. agric. Exp. Stn, 25: 917 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila luteipennis* OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., 1859: 236 (des. ALEXANDER, 1920: Mem. Cornell Univ. agric. Exp. Stn, 38: 849); not Palearctic.

- brunneinota** ALEXANDER, 1933: Philipp. J. Sci., 52: 141 (*Pseudolimnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- ebullata** STARÝ, 1982: Bull. zool. Mus. Univ. Amsterdam, 9: 26 (*Pseudolimnophila*). Type-locality: Biviere di Cesaro, Sicily (Italy).—Distr.: Europe: I (Sicily).
- inconcussa** (ALEXANDER, 1913): Can. Ent., 45: 313 (*Limnophila*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: from Japan (Hokkaido) to south China (Guangdong, Guangxi) and Taiwan.
- lucorum** (MEIGEN, 1818): Syst. Besch., 1: 125 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, CY, D, DDR, DK, F (incl. Corsica), GB, H, I, IRE, NL, PL, R, S, SF, YU; USSR: NET (excl. the extreme north), CET, SET, TC, SMA (Tu); Asia: Iran.
- tetrasticta** (BERGROTH, 1888): Verh. zool.-bot. Ges. Wien, 38: 647 (*Limnophila*). Type-locality: Ljubljana (Yugoslavia).
- melanura** SAVCHENKO in SAVCHENKO and PLYUSHCH, 1984: Ent. Obozr., 63: 170 (*Pseudolimnophila*). Type-locality: near Varzob, Odzhuk river (USSR: Tj).—Distr.: USSR SMA (Tj).
- sepium** (VERRALL, 1886): Entomologist's mon. Mag., 22: 200 (*Limnophila*). Type-localities: Lyndhurst; Freshwater; Lymington (Great Britain).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, GR

(incl. Kerkira), I, IRE, L, NL, PL, R, S, YU; USSR: NET (excl. the extreme north), CET, SET, TC, SMA (Tu, Ki); Asia: Turkey, Afghanistan.

telephallus ALEXANDER, 1957: Philipp. J. Sci., **85**: 360 (*Pseudolimnophila*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: ?FE (?Kuril Is); Asia: Japan (Honshu).

Ulomorpha OSTEN SACKEN, 1869

OSTEN SACKEN, 1869: Smithson. misc. Collns, **8**(219): 232.

Type-species: *Limnophila pilosella* OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 241 (mon.); not Palaearctic.

nigricolor ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 75 (*Ulomorpha*). Type-locality: lake Ozenuma, on boundary between Iwashiro-no-kuni and Kotsuke-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu), North Korea.

polytricha ALEXANDER, 1930: Philipp. J. Sci., **42**: 72 (*Ulomorpha*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).

Tribe Atarbini

Atarba OSTEN SACKEN, 1869

OSTEN SACKEN, 1869: Smithson. misc. Collns, **8**(219): 127.

Type-species: *Atarba picticornis* OSTEN SACKEN, 1869: l.c.: 128 (mon.); not Palaearctic.

Atarbodes ALEXANDER, 1920: see below as subgenus.

Subgenus ATARBODES ALEXANDER, 1920

ALEXANDER, 1920: Ann. ent. Soc. Am., **13**: 255 (as subgenus of *Atarba* OSTEN SACKEN, 1869).

Type-species: *Atarba pallidicornis* EDWARDS, 1916: Ann. Mag. nat. Hist., (8) **18**: 249 (orig. des.); not Palaearctic.

bipunctulata ALEXANDER, 1932: Philipp. J. Sci., **49**: 126 (*Atarba*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).

minuticornis ALEXANDER, 1930: Philipp. J. Sci., **42**: 526 (*Atarba*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).

Tribe Hexatomini

Hexatoma LATREILLE, 1809

LATREILLE, 1809: Gen. Crust. Ins., 4: 260.

Type-species: *Hexatoma nigra* LATREILLE, 1809: l.c.: 260 (mon.).

Nematocera MEIGEN, 1818: Syst. Besch., 1: 209. Type-species: *Nematocera bicolor* MEIGEN, 1818: l.c.: 209 (present designation).

Anisomera MEIGEN, 1818: Syst. Besch., 1: 210. Type-species: *Anisomera obscura* MEIGEN, 1818: l.c.: 210 (mon.).

Peronecera CURTIS, 1836: Brit. Ent., 13: 589. Type-species: *Peronecera fuscipennis* CURTIS, 1836: l.c.: 589 (mon.).

Trimacromera ENDERLEIN, 1936: Tierwelt Mitteleurop., 6(2), Ins., 3(16): 23. Type-species: *Nematocera nubeculosa* BURMEISTER, 1829: Entom. Arch., 2(1): 36 (mon.).

Eriocera MACQUART, 1838: see below as subgenus.

Cladolipes LOEW, 1865: see below as subgenus.

Subgenus CLADOLIPES LOEW, 1865

LOEW, 1865: Z. ges. Naturw., 26: 424 (as genus).

Type-species: *Cladolipes simplex* LOEW, 1865: l.c.: 425 (mon.).

haiasana (SAVCHENKO, 1972): Dopov. Akad. Nauk ukr. RSR (B), 1972: 469 (*Cladolipes*). Type-locality: Byurakan (USSR: Arm).—Distr.: USSR: TC (Ge, Arm).

simplex (LOEW, 1865): Z. ges. Naturw., 26: 425 (*Cladolipes*). Type-locality: Greece.—Distr.: Europe: AL, BG, R, GR (incl. Rodhos).

simplex asiatica (SAVCHENKO, 1972): Dopov. Akad. Nauk ukr. RSR (B), 1972: 467 (*Cladolipes*). Type-locality: near Archivan, Astara district, Talysh (USSR: Az).—Distr.: USSR: TC (Az), SMA (Tu).

Subgenus ERIOCERA MACQUART, 1838

MACQUART, 1838: Dipt. exot., 1(1): 74 (as genus).

Type-species: *Limnobia nigra*: authors, not WIEDEMANN, 1828: Aussereurop. zweifl. Insekt., 1: 27, misidentification (mon.) [= *macquarti* (ENDERLEIN, 1912)]; not Palearctic.

Caloptera GUÉRIN-MÉNEVILLE in DUPERREY, 1831: Voyage corvette sa majesté La Coquille, Zool., Atlas: pl. 20, fig. 2 (as genus). Type-species: *Caloptera fasciata*

GUÉRIN-MÉNEVILLE, 1831: l.c.: pl. 20, fig. 2 (orig. des.); not Palearctic.

[In the interest of stability and in accordance with usage the authors have adopted for this catalogue the name *Eriocera*, whereas *Caloptera* is the correct name under the I.C.Z.N. rules. Suspension of I.C.Z.N. rules is required to preserve the junior synonym *Eriocera* as a valid name.]

Allarithmia LOEW, 1850: Programm k. Realschule zu Meseritz, 1850: 38 (as genus) (fossil). Type-species: *Allarithmia palpata* LOEW, 1850: l.c.: 38 (mon.) (fossil); see ALEXANDER, 1931: Bernst. Forsch., 2: 85.

Penthoptera SCHINER, 1863: Wien. ent. Mschr., 7: 220 (as genus). Type-species: *Tipula chirothecata* SCOPOLI, 1763: Entom. carniolica: 320 (orig. des.).

Globericera MATSUMURA, 1916: Thousand Ins. Japan, Add. 2: 471 (as genus). Type-species: *Globericera moriokana* MATSUMURA, 1916: l.c.: 469 and 470 (orig. des.).

Coreozelia ENDERLEIN, 1936: Tierwelt Mitteleurop., 6(2), Ins., 3(16): 22 (as genus). Type-species: *Tipula cimicoides* SCOPOLI, 1763: Entom. carniolica: 320 (mon.).

[*abdominalis* (ALEXANDER, 1922): Bull. Mus. natn. Hist. nat. Paris, (1) 28: 297 (*Eriocera*). Type-locality: Jiangxi (China).—Distr.: Asia: China (Jiangxi).]

aequinigra ALEXANDER, 1934: Philipp. J. Sci., 52: 339 (*Hexatoma*). Type-locality: Tigrovoy, Partisansk district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

alboguttata (MATSUMURA, 1916): Thousand Ins. Japan, Add. 2: 468 and 469 (*Eriocera*). Type-localities: Atami, Honshu; Iyo, Shikoku; Kumamoto, Kyushu (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).

arrogans (ALEXANDER, 1927): Proc. U.S. natn. Mus., 72: 5 (*Eriocera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

atripes ALEXANDER, 1934: Philipp. J. Sci., 52: 341 (*Hexatoma*). Type-locality: Vinogradovka, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

caesarea (ALEXANDER, 1931): Philipp. J. Sci., 44: 358 (*Eriocera*). Type-locality: Kwanshien, Sichuan (China).—Distr.: Asia: China (Sichuan).

caesia SAVCHENKO, 1979: Vestn. zool., 1979(1): 25 (*Hexatoma*, as new name for *Hexatoma canescens* SAVCHENKO, 1976, a junior primary homonym of *Hexatoma canescens* ALEXANDER, 1949).—Distr.: USSR: FE (Sakhalin, Kuril Is).

canescens SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 77 and 78 (*Hexatoma*). Type-locality: near Tretiakovo, Kunashir, Kuril Is (USSR).

cantonensis ALEXANDER, 1938: Philipp. J. Sci., 66: 124 (*Hexatoma*). Type-locality: Mt. Paak Wan, Guangdong (China).—Distr.: Asia: China (Zhejiang); China (Jiangxi, Guangdong).

cerberus ALEXANDER, 1953: Philipp. J. Sci., 82: 167 (*Hexatoma*). Type-locality: Omogokei, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

- chirothecata** (SCOPOLI, 1763): Entom. carniolica: 320 (*Tipula*). Type-locality: Kärnten (Austria).—Distr.: Europe: A, AL, BG, CH, CS, GR, H, I, YU; USSR: SET (southwest), ?TC.
- cimicoides** (SCOPOLI, 1763): Entom. carniolica: 320 (*Tipula*). Type-locality: not given.—Distr.: Europe: A, CS, YU; USSR: CET (Li), SET (Carpathians).
- cleopatra** ALEXANDER, 1933: Philipp. J. Sci., 52: 163 (*Hexatoma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- cybele** (ALEXANDER, 1927): Proc. U.S. natn. Mus., 72: 4 (*Eriocera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- davidi** (ALEXANDER, 1923): Bull. Mus. natn. Hist. nat. Paris, (1) 29: 295 (*Eriocera*). Type-locality: Sichuan (China).—Distr.: Asia: China (Sichuan, Zhejiang); China (Jiangxi, Fujian, Guangdong).
- diploneura** ALEXANDER, 1934: Philipp. J. Sci., 54: 330 (*Hexatoma*). Type-locality: Chengdu, along banks of Min river, Sichuan (China).—Distr.: Asia: China (Sichuan).
- fulvibasis** (ALEXANDER, 1923): Ann. ent. Soc. Am., 16: 67 (*Eriocera*). Type-locality: Teshio, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- fumidipennis** (ALEXANDER, 1927): Proc. U.S. natn. Mus., 72: 3 (*Eriocera*). Type-locality: Suifu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- geminata** (ALEXANDER, 1923): Ann. ent. Soc. Am., 16: 67 (*Eriocera*). Type-locality: Tokyo-Fu, Oshima, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- gifuensis** ALEXANDER, 1933: Philipp. J. Sci., 52: 153 (*Hexatoma*). Type-locality: Gifu, Mino, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- grahami** (ALEXANDER, 1927): Proc. U.S. natn. Mus., 72: 3 (*Eriocera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- grisea** (RIEDEL, 1914): Annls hist.-nat. Mus. natn. hung., 12: 147 (*Penthoptera*). Type-locality: Körösmezö, Ungarn [= Yasinia, Carpathians (USSR)].—Distr.: Europe: BG; USSR: SET (Carpathians).
- hemicera** (ALEXANDER, 1933): Philipp. J. Sci., 50: 150 (*Eriocera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- hilpa** (WALKER, 1848): List Dipt. Brit. Mus., 1: 79 (*Pterocosmus*). Type-locality: Hong Kong.—Distr.: Asia: China (Zhejiang); Hong Kong.
- hilpoides** (ALEXANDER, 1922): Bull. Mus. natn. Hist. nat. Paris, (1) 28: 296 (*Eriocera*). Type-locality: Sichuan (China).—Distr.: Asia: China (Sichuan).
- imperator** ALEXANDER, 1953: Philipp. J. Sci., 82: 169 (*Hexatoma*). Type-locality: Odamiyama, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- issikii** (ALEXANDER, 1928): Philipp. J. Sci., 36: 471 (*Eriocera*). Type-locality: Zyogi, near Sendai, Miyagi pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- jozana** (ALEXANDER, 1924): Philipp. J. Sci., 24: 578 (*Eriocera*). Type-locality: Jozankei, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin); Asia: Japan (Hokkaido).

- kamiyai** (ALEXANDER, 1932): Philipp. J. Sci., **49**: 125 (*Eriocera*). Type-locality: Kamikochi, Shinano, Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- kariyai** ALEXANDER, 1933: Philipp. J. Sci., **52**: 160 (*Hexatoma*). Type-locality: Gifu, Mino, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- klapperichiana** ALEXANDER, 1957: Ann. Mag. nat. Hist., (12) **10**: 110 (*Hexatoma*). Type-locality: Sarekanda Mts, Badakhshan (Afghanistan).—Distr.: Asia: Afghanistan.
- [kiangsuana** ALEXANDER, 1939: Arkiv Zool., **30(B)**(6): 2 (*Hexatoma*). Type-locality: Jiangxi (China).—Distr.: Asia: China (Jiangxi).]
- [kolthoffi** ALEXANDER, 1939: Arkiv Zool., **30(B)**(6): 3 (*Hexatoma*). Type-locality: Jiangxi (China).—Distr.: Asia: China (Jiangxi).]
- lanigera** ALEXANDER, 1933: Philipp. J. Sci., **52**: 149 (*Hexatoma*). Type-locality: Yin-Kuan-Tsai (China).—Distr.: Asia: China (Sichuan-Tibet border).
- longeantennata** (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 731 (*Eriocera*). Type-locality: Aldan river at mouth of Tympton river, Yakutsk ASSR (USSR).—Distr.: USSR: ES (Yakutsk ASSR).
- longifurca** (ALEXANDER, 1920): Trans. Am. ent. Soc., **46**: 14 (*Eriocera*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- luteicostalis** ALEXANDER, 1933: Philipp. J. Sci., **52**: 156 (*Hexatoma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- masakii** ALEXANDER, 1934: Philipp. J. Sci., **55**: 48 (*Hexatoma*). Type-locality: Suigen (North Korea).—Distr.: Asia: North Korea.
- mediofila** ALEXANDER, 1933: Philipp. J. Sci., **52**: 151 (*Hexatoma*). Type-locality: Yu-Long-Si (China).—Distr.: Asia: China (Tibet border).
- minensis** ALEXANDER, 1934: Philipp. J. Sci., **54**: 329 (*Hexatoma*). Type-locality: Chengdu, along banks of Min river, Sichuan (China).—Distr.: Asia: China (Sichuan).
- moriokana** (MATSUMURA, 1916): Thousand Ins. Japan, Add. 2: 469 and 470 (*Globericera*). Type-locality: Morioka, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- morula** (ALEXANDER, 1922): Bull. Mus. natn. Hist. nat. Paris, (1) **28**: 297 (*Eriocera*). Type-locality: Sichuan (China).—Distr.: Asia: China (Sichuan).
- nepalensis** (WESTWOOD, 1835): Annls Soc. ent. Fr., (1) **4**: 681 (*Caloptera*). Type-locality: Nepal.—Distr.: Asia: Afghanistan, China (Sichuan); India (Assam), Malaya, Nepal.
- nigrotrochanterata** (ALEXANDER, 1932): Philipp. J. Sci., **49**: 123 (*Eriocera*). Type-locality: Mt. Ohdai, Yamato, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- nipponensis** (ALEXANDER, 1918): Ann. ent. Soc. Am., **11**: 446 (*Eriocera*). Type-locality: Kyoto, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).

- nudivena** ALEXANDER, 1933: Philipp. J. Sci., **52**: 158 (*Hexatoma*). Type-locality: Zya-Ha pass (China).—Distr.: Asia: China (Tibet border).
- omeiana** ALEXANDER, 1933: Philipp. J. Sci., **52**: 155 (*Hexatoma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pernigrina** ALEXANDER, 1938: Philipp. J. Sci., **67**: 159 (*Hexatoma*). Type-locality: Ompo (North Korea).—Distr.: Asia: North Korea.
- pieli** ALEXANDER, 1937: Notes Ent. chin., **4**: 81 (*Hexatoma*). Type-locality: Chusan, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- pieliana** ALEXANDER, 1940: Notes Ent. chin., **8**: 23 (*Hexatoma*). Type-locality: Mt. Mogan, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- platysoma** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 73 (*Eriocera*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pleskei** ALEXANDER, 1933: Philipp. J. Sci., **52**: 161 (*Hexatoma*). Type-locality: Tigrovoy, Partisansk district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- posticata** ALEXANDER, 1937: Notes Ent. chin., **4**: 85 (*Hexatoma*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- [pterotricha** ALEXANDER, 1940: Notes Ent. chin., **8**: 26 (*Hexatoma*). Type-locality: Kuling, Jiangxi (China).—Distr.: Asia: China (Jiangxi).]
- [quadriatrata** ALEXANDER, 1938: Philipp. J. Sci., **63**: 387 (*Hexatoma*). Type-locality: Tai-au-hong, Jiangxi (China).—Distr.: Asia: China (Jiangxi).]
- [regina** ALEXANDER, 1937: Notes Ent. chin., **4**: 82 (*Hexatoma*). Type-locality: Kuling, Jiangxi (China).—Distr.: Asia: China (Jiangxi).]
- regina kiuhuana** ALEXANDER, 1941: Philipp. J. Sci., **73**: 414 (*Hexatoma*). Type-locality: Mt. Kiuhua, Anhui (China).—Distr.: Asia: China (Anhui).
- sachalinensis** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 579 (*Eriocera*). Type-locality: Takinosava [= Perevalniy], Aniva district, Sakhalin (USSR).—Distr.: USSR: WS (Altai), FE (Primorskiy kray, Sakhalin).
- schnusei** (KUNTZE, 1913): Dt. ent. Z., **1913**: 547 (*Penthoptera*). Type-localities: Ajaccio; Vizzavona (France: Corsica).—Distr.: Europe: F (Corsica).
- sinensis** (EDWARDS, 1921): Ann. Mag. nat. Hist., (9) **8**: 87 (*Eriocera*). Type-locality: Golden Buddha Mts, N of Changking, Sichuan (China).—Distr.: Asia: China (Sichuan).
- stackelbergi** ALEXANDER, 1933: Philipp. J. Sci., **52**: 152 (*Hexatoma*). Type-locality: Tigrovoy, Partisansk district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray, ?Khabarovskiy kray, ?Sakhalin).
- stricklandi** (EDWARDS, 1921): Ann. Mag. nat. Hist., (9) **8**: 82 (*Eriocera*). Type-locality: Japan.—Distr.: Asia: Japan (Shikoku).
- stricklandi pallidibasis** ALEXANDER, 1953: Philipp. J. Sci., **82**: 68 (*Hexatoma*). Type-locality: Mt. Ishizuchi, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- subpusilla** ALEXANDER, 1933: Philipp. J. Sci., **52**: 159 (*Hexatoma*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

- subrectangularis** (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) 15: 76 (*Eriocera*). Type-locality: Kofu, Kai-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- superba** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 77 (*Hexatoma*). Type-locality: near Tretiakovo, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- tibetana** ALEXANDER, 1933: Philipp. J. Sci., 52: 150 (*Hexatoma*). Type-locality: near Tang-gu (China).—Distr.: Asia: China (Sichuan-Tibet border).
- ussuriensis** ALEXANDER, 1934: Philipp. J. Sci., 52: 341 (*Hexatoma*). Type-locality: Bikin, Bikin river, 134°10'E/46°N (USSR).—Distr.: USSR: FE (Amur obl., Primorskiy kray).
- [verticalis** (WIEDEMANN, 1828): Aussereurop. zweifl. Ins., 1: 56 (*Megistocera*). Type-locality: Java (Indonesia).—Distr.: Asia: ?Japan; widespread in southeast Asia.]
- waterstoni** (EDWARDS, 1921): Ann. Mag. nat. Hist., (9) 8: 83 (*Eriocera*). Type-locality: Rendino gorge, Macedonia (Yugoslavia).—Distr.: Europe: YU.

Subgenus HEXATOMA LATREILLE, 1809

- bicolor** (MEIGEN, 1818): Syst. Besch., 1: 209 (*Nematocera*). Type-locality: not given ("aus der Sammlung des Hrn. Baumhauer").—Distr.: Europe: A, AL, B, BG, CH, CS, D, E, F, GB, I, PL, R, YU; USSR: SET (Uk).
- lucidipennis** (CURTIS, 1836): Brit. Ent., 13: 589 (*Peronecera*). Type-locality: Perthshire (Great Britain).
- aequalis** (LOEW, 1865): Z. ges. Naturw., 26: 416 (*Anisomera*). Type-locality: Lombardia (Italy).
- pyrenaea** (BERGROTH, 1907): Bull. Soc. ent. Fr., 1907: 144 (*Anisomera*). Type-locality: Ax-les-Thermes, Ariège (France).
- fuscipennis** (CURTIS, 1836): Brit. Ent., 13: 589 (*Peronecera*). Type-localities: near Ambleside; Low Wood (Great Britain).—Distr.: Europe: A, CS, D, DK, F (incl. Corsica), GB, H, PL, S, SF; USSR: CET (northwest), SET, TC; Asia: Turkey.
- burmeisteri** (LOEW, 1865): Z. ges. Naturw., 26: 419 (*Anisomera*). Type-locality: not given (Poland).
- miki** (NOWICKI, 1869): Rocznik Tow. Nauk. Kraków, (3) 14: 109 (*Anisomera*). Type-locality: coast of Dnjestr river near Zalestshiki, Ternopol obl. (USSR: Uk).
- gaedii** (MEIGEN, 1830): Syst. Besch., 6: 292 (*Anisomera*). Type-locality: near Liège (Belgium).—Distr.: Europe: A, B, CS, D, DDR, E, F (incl. Corsica), I, NL, PL; USSR: SET, TC; Asia: ?Afghanistan; North Africa: Morocco.

- saxonum* (LOEW, 1865): Z. ges. Naturw., 26: 417 (*Anisomera*). Type-locality: not given [DDR].
- tenuipes* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, 50: 103 (*Hexatoma*, as var. of *gaedii*). Type-locality: Algeciras, Andalusia (Spain).
- japonica* ALEXANDER, 1922: Insecutor Inscit. menstr., 10: 185 (*Hexatoma*). Type-locality: Gifu, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- kiangsiana* ALEXANDER, 1937: Notes Ent. chin., 4: 77 (*Hexatoma*). Type-locality: Kulin, Jiangxi (China).—Distr.: Asia: China (Zhejiang); China (Jiangxi).
- longipes* (LOEW, 1865): Z. ges. Naturw., 26: 415 (*Anisomera*). Type-locality: Alps. —Distr.: Europe: Alps.
- nigra* LATREILLE, 1809: Gen. Crust. Ins., 4: 260 (*Hexatoma*). Type-locality: Paris (France).—Distr.: Europe: E, F, I; USSR: ?TC (?Az).
- nubeculosa* (BURMEISTER, 1829): Entom. Arch., 2(1): 36 (*Nematocera*). Type-localities: Leipzig; Halle [DDR].—Distr.: Europe: A, B, CS, D, DDR, F, I, NL, PL, SF; USSR: CET.
- striata* (FABRICIUS, 1794): Entom. syst., 4: 238 (*Tipula*). Type-locality: Italy. [A questionable senior synonym.]
- nubeculosa longivena* SAVCHENKO, 1972: Insects of Mongolia, 1: 729 (*Hexatoma*). Type-locality: middle branch of Podkamennaya Tunguska river, Krasnoyarskiy kray (USSR).—Distr.: USSR: ES (north); Asia: Mongolia.
- obscura* (MEIGEN, 1818): Syst. Besch., 1: 210 (*Anisomera*). Type-locality: Portugal. —Distr.: Europe: E, P; Asia: Mongolia.
- perproducta* ALEXANDER, 1958: Trans. Shikoku ent. Soc., 6: 7 (*Hexatoma*). Type-locality: Iwazeki, near Matsuyama, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- vittata* (MEIGEN, 1830): Syst. Besch., 6: 292 (*Anisomera*). Type-locality: not given ("von Hrn. von Winthem", "aus Baumhauer's Sammlung").—Distr.: Europe: A, B, CS, D, DDR, ?S, YU; USSR: CET (northwest).

Subfamily Eriopterinae

Tribe Cladurini

Chlonea DALMAN, 1816

DALMAN, 1816: K. svenska VetenskAkad. Handl., (3) 19: 102.

Type-species: *Chlonea araneoides* DALMAN, 1816: l.c.: 102 (mon.).

Sphaeconophilus BECKER, 1912: see below as subgenus.

Subgenus CHIONEA DALMAN, 1816

- araneoides** DALMAN, 1816: K. svenska VetenskAkad. Handl., (3) 19: 102 (*Chionea*). Type-locality: not given (Sweden).—Distr.: Europe: A, CH, CS, ?D, I, N, PL, R, S, SF, YU; USSR: NET (west), "Siberia".
- dalmani** LOEW, 1871: Rocznik Tow. Nauk Kraków, 42: 173 (*Chionea*). Type-locality: Mödling near Vienna (Austria). [Synonymy not certain.]
- brevirostris** TAHVONEN, 1932: Notul. ent., 12: 44 (*Chionea*). Type-locality: Jyväskylä (Finland).
- minuta** TAHVONEN, 1932: Notul. ent., 12: 41 (*Chionea*). Type-localities: Toivakka; Jyväskylä (Finland).
- hrabei** KRATOCHVÍL, 1936: Bull. Soc. ent. Fr., 41: 247 (*Chionea*). Type-locality: High Tatra (Czechoslovakia).
- crassipes** BOHEMAN, 1846: Öfvers. K. VetenskAkad. Förh., 1846: 179 (*Chionea*). Type-locality: not given.—Distr.: Europe: N, S, SF; USSR: NET (north), ES (south), FE (Amur obl., Primorskiy kray); Asia: North Korea, Japan (Honshu).
- gracilistyla** ALEXANDER, 1936: Philipp. J. Sci., 60: 187 (*Chionea*). Type-locality: Chiosen, Honshu (Japan).
- kanenoi** SASAKAWA, 1986: Akitu (N.S.), 77: 2 (*Chionea*). Type-locality: Dōsenbō, Minamiyamashiro-mura, Kyoto pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- major** STROBL, 1900: Wiss. Mitt. Bosn. Herzeg., 7: 663 (*Chionea*, as var. of *araneoides* DALMAN). Type-localities: Tarcu; Trebevic (Yugoslavia).—Distr.: Europe: YU. [Subgeneric position not certain.]
- nipponica** ALEXANDER, 1932: Philipp. J. Sci., 49: 127 (*Chionea*). Type-locality: Mt. Tsurugi, Toyama pref., Japanese Alps, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Hokkaido, Honshu).
- pusilla** SAVCHENKO, 1983: Limoniidae of south Primorye: 71 (*Chionea*). Type-locality: Kedrovaya Pad, Khasan region, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- racovitzai** BURGHELE-BĂLĂCESCU, 1969: Annls Soc. ent. Fr. (N.S.), 5: 999 (*Chionea*). Type-locality: Scarisoara Glacier (Roumania).—Distr.: Europe: R.

Subgenus SPHAECONOPHILUS BECKER, 1912

- BECKER, 1912: Annls Soc. ent. Belg., 56: 142 (as genus).
Type-species: *Sphaeconophilus belgicus* BECKER, 1912: l.c.: 142 (mon.).
- Niphadobata* ENDERLEIN, 1936: Tierwelt Mitteleurop., 6(2), Ins., 3(16): 19 (as genus). Type-species: *Chionea lutescens* LUNDSTRÖM, 1907: Acta Soc. Fauna Flora fenn., 29(8): 18 (mon.).

- alpina** BEZZI, 1908: *Societas ent.*, 23(13): 98 (*Chionea*). Type-locality: Chiareggio, Valmalenco, Sondrio (Italy).—Distr.: Europe: A, CH, D, E, F, I, YU.
italica VENTURI, 1956: *Memorie Mus. civ. Stor. nat. Verona*, 5: 101 (*Chionea*).
 Type-locality: not given (Appennini liguri, Italy).
- ancae** (MENIER et MATILE, 1976): *Bull. Soc. ent. Fr.*, 81: 277 (*Niphadobata*).
 Type-locality: Les Combes, Doubs (France).—Distr.: Europe: F.
- arverna** (BRUNHES, 1986): *Bull. Soc. ent. Fr.*, 91: 48 (*Niphadobata*). Type-locality: Chaîne des Dômes, Sarcoui, Puy-de-Dôme (France).—Distr.: Europe: F.
- austriaca** (CHRISTIAN, 1980): *Z. Arbgem. öst. Ent.*, 32: 77 (*Niphadobata*). Type-locality: Schagerhölle im Mitterkeil, Schwarzenbach/Pielach (Austria).—Distr.: Europe: A.
- belgica** (BECKER, 1912): *Annls Soc. ent. Belg.*, 56: 142 (*Sphaeconophilus*). Type-locality: near Francorchamps, Ardennes (Belgium).—Distr.: Europe: B, D, DDR, DK, NL.
- besucheti** (BOURNE, 1979): *Revue suisse Zool.*, 86: 239 (*Niphadobata*). Type-locality: Forêt de Kesswil, Thurgau (Switzerland).—Distr.: Europe: CH.
- botosaneanui** (BURGHELE-BĂLĂCESCO, 1969): *Annls Soc. ent. Fr. (N.S.)*, 5: 995 (*Niphadobata*). Type-locality: Obîrsia Ialomitei, Bucegi Mts (Roumania).
 —Distr.: Europe: CS, PL, R.
kratochvili (BURGHELE-BĂLĂCESCO, 1969): *Annls Soc. Ent. Fr. (N.S.)*, 5: 993 (*Niphadobata*). Type-locality: lake Bîlea, Fagarac Mts (Roumania).
- catalonica** (BOURNE, 1979): *Revue suisse Zool.*, 86: 243 (*Niphadobata*). Type-locality: Grallera Gran de Cornellana, Serra del Cadi (Spain).—Distr.: Europe: E (central Pyrenees).
- jurassica** (BOURNE, 1979): *Revue suisse Zool.*, 86: 239 (*Niphadobata*). Type-locality: Grotte du Cormoran, Torcieu, Ain (France).—Distr.: Europe: F.
- lutescens** LUNDSTRÖM, 1907: *Acta Soc. Fauna Flora fenn.*, 29(8): 18 (*Chionea*).
 Type-localities: Helsinki; Sjundeå; Esbo (Finland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E, F, H, I, N, ?NL, PL, R, S, SF, YU; USSR: NET, CET, SET.
bohémica KRATOCHVÍL, 1936: *Bull. Soc. ent. Fr.*, 41: 245 ((*Chionea*, as var. of *lutescens*). Type-localities: several localities in Czechoslovakia.
- lutescens stelviana** SÜSS, 1982: *Boll. Zool. agr. Bachic.*, (2) 16: 129 (*Chionea*).
 Type-locality: S. Antonio Valfurva, Sondrio (Italy).—Distr.: Europe: I.
- pyrenaea** (BOURNE, 1981): *Revue suisse Zool.*, 88: 765 (*Niphadobata*). Type-locality: Ariège (France).—Distr.: Europe: F (Pyrenees).

Cladura OSTEN SACKEN, 1860

OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., 1859: 229.

Type-species: *Cladura flavoferruginea* OSTEN SACKEN, 1860: l.c.: 229 (mon.); not Palaearctic.

alpicola ALEXANDER, 1929: Philipp. J. Sci., 40: 341 (*Cladura*). Type-locality: Mt. Yariga, Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

alpicola setuliloba ALEXANDER, 1947: Ann. ent. Soc. Am., 40: 360 (*Cladura*). Type-locality: Mt. Myotaka, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

autumna ALEXANDER, 1920: Insecutor Inscit. menstr., 8: 137 (*Cladura*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

babai ALEXANDER, 1955: Bull. Brooklyn ent. Soc., 50: 18 (*Cladura*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

bicornuta ALEXANDER, 1955: Ann. ent. Soc. Am., 48: 373 (*Cladura*). Type-locality: Shirahone-onsen, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

bidens ALEXANDER, 1926: Philipp. J. Sci., 31: 369 (*Cladura*). Type-locality: Maruyama, near Sapporo, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu).

brevifila ALEXANDER, 1958: Philipp. J. Sci., 86: 307 (*Cladura*). Type-locality: Mt. Tanigawa, Kotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

daimio ALEXANDER, 1947: Ann. ent. Soc. Am., 40: 359 (*Cladura*). Type-locality: Morioka, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

decemnotata ALEXANDER, 1925: Ann. ent. Soc. Am., 17: 436 (*Cladura*). Type-locality: Aburayama, Chikuzen, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).

fuscivena ALEXANDER, 1955: Ann. ent. Soc. Am., 48: 372 (*Cladura*). Type-locality: Sugadiara, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

hakonensis ALEXANDER, 1947: Ann. ent. Soc. Am., 40: 362 (*Cladura*). Type-locality: Gora, Hakone district, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

hakonensis porrecta ALEXANDER, 1955: Philipp. J. Sci., 83: 294 (*Cladura*). Type-locality: Omogo valley, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

itoi ALEXANDER, 1955: Bull. Brooklyn ent. Soc., 50: 19 (*Cladura*). Type-locality: Sigakôgen, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

japonica (ALEXANDER, 1918): Ann. ent. Soc. Am., 11: 448 (*Crypteria*). Type-locality: ?Kyoto, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

machidella ALEXANDER, 1934: Philipp. J. Sci., 55: 50 (*Cladura*). Type-locality: Mt. Hiei, Kyoto, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).

megacauda ALEXANDER, 1926: Philipp. J. Sci., 31: 370 (*Cladura*). Type-locality: Sapporo, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin); Asia: Japan (Hokkaido, Honshu).

- microphallus** ALEXANDER, 1955: Philipp. J. Sci., **83**: 296 (*Cladura*). Type-locality: Omogo valley, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- monacantha** ALEXANDER, 1947: Ann. ent. Soc. Am., **40**: 363 (*Cladura*). Type-locality: Tottori pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- monacantha fimbriata** ALEXANDER, 1947: Ann. ent. Soc. Am., **40**: 364 (*Cladura*). Type-locality: Gora, Hakone district, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- nipponensis** ALEXANDER, 1920: Insecutor Inscit. menstr., **8**: 136 (*Cladura*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- recurvalis** ALEXANDER, 1957: Philipp. J. Sci., **85**: 368 (*Cladura*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- sawanoi** ALEXANDER, 1957: Philipp. J. Sci., **85**: 366 (*Cladura*). Type-locality: Mt. Daisen, Hoki, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- serrimargo** ALEXANDER, 1953: Philipp. J. Sci., **82**: 70 (*Cladura*). Type-locality: Sugitate, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- shirahatai** ALEXANDER, 1955: Bull. Brooklyn ent. Soc., **50**: 21 (*Cladura*). Type-locality: Sakata, Uzen, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- shomio** ALEXANDER, 1955: Philipp. J. Sci., **83**: 297 (*Cladura*). Type-locality: Mt. Saragamine, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- supernumeraria** ALEXANDER, 1957: Philipp. J. Sci., **85**: 364 (*Cladura*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- telephallus** ALEXANDER, 1955: Ann. ent. Soc. Am., **48**: 373 (*Cladura*). Type-locality: Oze, Hatomati Toge, Kotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- tetraspila** ALEXANDER, 1947: Ann. ent. Soc. Am., **40**: 361 (*Cladura*). Type-locality: Gora, Hakone district, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- trifilosa** ALEXANDER, 1957: Philipp. J. Sci., **85**: 370 (*Cladura*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

Crypteria BERGROTH, 1913

BERGROTH, 1913: Acta Soc. Fauna Flora fenn., **37**(6): 4.

Type-species: *Crypteria limnophiloides* BERGROTH, 1913: l.c.: 6 (orig. des.).

- limnophiloides** BERGROTH, 1913: Acta Soc. Fauna Flora fenn., **37**(6): 6 (*Crypteria*). Type-localities: Messuby; Pargas (Finland); Rodga; Nobynäs (Sweden).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, IRE, N, PL, R, S, SF, YU; USSR: NET (west), CET (west), SET (west), TC (southwest).
- luteipennis** ALEXANDER, 1938: Philipp. J. Sci., **66**: 327 (*Crypteria*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

spectralis ALEXANDER, 1935: Philipp. J. Sci., **56**: 556 (*Crypteria*). Type-locality: Beh-Luh-Din, 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).

Franckomyia ALEXANDER, 1936

ALEXANDER, 1936: Philipp. J. Sci., **60**: 345.

Type-species: *Franckomyia discalis* ALEXANDER, 1936: l.c.: 346 (orig. des.).

discalis ALEXANDER, 1936: Philipp. J. Sci., **60**: 346 (*Franckomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

Neolimnophila ALEXANDER, 1920

ALEXANDER, 1920: Proc. Calif. Acad. Sci., (4) **10**: 37 (as subgenus of *Limnophila* MACQUART, 1834).

Type-species: *Limnophila ultima* OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 238 (orig. des.).

Crypteriella SOOT-RYEN, 1928: Meddr zool. Mus. Oslo, **14**: 4. Type-species: *Crypteriella sverdrupi* SOOT-RYEN, 1928: l.c.: 6 (orig. des.) [*?placida* (MEIGEN, 1830)].

bergrothi (KUNTZE, 1919): Dt. ent. Z., **1919**: 366 (*Crypteria*). Type-localities: near Dresden [DDR]; Anina (Roumania); Dauphiné (France); Kärnten (Austria).—Distr.: Europe: A, CS, DDR, F, I, R, YU.

carteri (TONNOIR in GOETGHEBUER and TONNOIR, 1921): Bull. Soc. ent. Belg., **3**: 47 (*Crypteria*). Type-localities: Forêt de Soignes; Hockai (Belgium).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, I, N, NL, PL, R, S, SF; USSR: NET (southwest), CET (west), SET (west).

nigrescens (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 46 (*Crypteria*, as var. of *carteri*). Type-locality: Musallah [= Musala], Rila (Bulgaria).

fuscocubitalis ALEXANDER, 1934: Arkiv Zool., **27**(A)(17): 20 (*Neolimnophila*). Type-locality: Yu-Long-Si (China).—Distr.: Asia: China (Gansu, Sichuan-Tibet border).

perreducta ALEXANDER, 1935: Philipp. J. Sci., **57**: 215 (*Neolimnophila*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

picturata ALEXANDER, 1931: Philipp. J. Sci., **44**: 359 (*Neolimnophila*). Type-locality: Mupin, Sichuan (China).—Distr.: Asia: China (Sichuan).

placida (MEIGEN, 1830): Syst. Besch., **6**: 275 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, CH, CS, D, DDR, F (incl. Corsica), GB, N, NL, PL, S, SF; USSR: NET (incl. Novaya Zemlya), CET

- (northwest), SET (Uk), KZ (north), Siberia in the north to Taymyr and Yakutsk ASSR, in the east to Primorskiy kray and Sakhalin); Asia: Mongolia.
- hyalipennis* (ZETTERSTEDT, 1851): Dipt. scand., 10: 3842 (*Limnobia*). Type-locality: Lärketorp, Östergötland (Sweden).
- sverdrupi* (SOOT-RYEN, 1928): Meddr zool. Mus. Oslo, 14: 6 (*Crypteriella*). Type-locality: Firsøileø [= Four Pillar Is, Medvezhiy island-group, East Siberian sea] (USSR). [Synonymy not certain.]
- ultima** (OSTEN SACKEN, 1860): Proc. Acad. nat. Sci. Philad., 1859: 238 (*Limnophila*). Type-localities: Washington; Maine (USA).—Distr.: USSR: ?FE (?Sakhalin); Asia: Japan; Nearctic Region.
- japonica* (MATSUMURA, 1915): Konchu Bunruigaku, Tokyo, 2: 64 (*Limnobia*). Type-locality: Japan. [See Alexander, 1930: Konowia, 9: 105.]

Tribe Eriopterini

Arctoconopa ALEXANDER, 1955

ALEXANDER, 1955: Misc. Publs Mus. Zool. Univ. Mich., 90: 17 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Psiloconopa forcipata* LUNDSTRÖM, 1915: Mém. Acad. Sci. Petersb., (8) 29(8): 27 (orig. des.).

- aldrichi** (ALEXANDER, 1924): Proc. U.S. natn. Mus., 64: 4 (*Erioptera*). Type-locality: Valdez, Alaska (USA).—Distr.: USSR: FE (Chukotka, Kamchatka); Nearctic Region.
- australis** SAVCHENKO in SAVCHENKO and RYBIN, 1982: Ent. Obozr., 61: 392 (*Arctoconopa*). Type-locality: near Gulcha (USSR: Ki).—Distr.: USSR: SMA (Ki).
- bifurcata** (ALEXANDER, 1919): Ann. ent. Soc. Am., 12: 338 (*Erioptera*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- forcipata** (LUNDSTRÖM, 1915): Mém. Acad. Sci. Petersb., (8) 29(8): 27 (*Psiloconopa*). Type-locality: Sytychantala, Chara-Ullach Mts, Yakutsk ASSR (USSR).—Distr.: Europe: SF; USSR: NET (northeast), ES (Taymyr), FE (Chukotka, Wrangel Is, Kamchatka); Nearctic Region.
- lapponica* TJEDER, 1972: Acta Soc. Fauna Flora fenn., 80: 228 (*Arctoconopa*). Type-locality: Siilaskoski, Lapland (Finland).
- forcipata kostjukovi** SAVCHENKO, 1971: Vestn. zool., 1971(1): 16 (*Arctoconopa*, as species). Type-locality: near Mugur-Aksy, Zagan-Shibetu Mts, Tuva (USSR).—Distr.: USSR: WS (Tuva), FE (Amur obl., Primorskiy kray).
- insulana** SAVCHENKO, 1971: Vestn. zool., 1971(1): 14 (*Arctoconopa*). Type-locality: Ogonki, Aniva district, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).

- megaura** (ALEXANDER, 1932): Philipp. J. Sci., **49**: 398 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- melampodia** (LOEW, 1873): Besch. europ. Dipt., **3**: 48 (*Acyphona*). Type-localities: Harz (Germany); Poznań; Silesia (Poland).—Distr.: Europe: A, B, BG, CH, CS, D/DDR (Harz), DK, F, GB, I, N, PL, YU; USSR: CET, SET (Uk, Mo), TC, ES (Krasnoyarskiy kray).
- unicolor* (LACKSCHEWITZ, 1936): Norsk ent. Tidsskr., **4**: 110 (*Ilisia*, as var. of *melampodia*). Type-locality: Nethy Bridge, Inverness, Scotland (Great Britain).
- obscuripes** (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3790 (*Erioptera*). Type-localities: Suul; Kälähög; Christiania [= Oslo] (Norway); Skilstugan; Lulea (Sweden).—Distr.: Europe: N, S, SF; USSR: WS (Tuva), ES, FE (Magadan obl.); ?Nearctic Region.
- umbratica* (STORM, 1898): Norske Selsk. Skrift, **1895**: 232 (*Erioptera*). Type-locality: near Trondheim (Norway). [Synonymy not certain.]
- [*katmai* (ALEXANDER, 1920): Ohio J. Sci., **20**: 195 (*Erioptera*). Type-locality: Savonoski, Naknek Lake, Alaska (USA).] [Synonymy not certain.]
- quadrivittata** (SIEBKE, 1872): Nyt Mag. Naturvid., **19**: 59 (*Erioptera*). Type-locality: "Aaset i Naerheden af Aastaelven" (Norway).—Distr.: Europe: N, S, SF; USSR: ES (Taymyr); Asia: Mongolia.
- taimyrensis** (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 721 (*Psiloconopa*). Type-locality: Amu-Tarida river, Taymyr, Krasnoyarskiy kray (USSR).—Distr.: USSR: arctic Siberia from Taymyr in the west to Chukotka in the east. [?Con-specific with *kluane* (ALEXANDER, 1955) from the Nearctic Region.]
- zonata** (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3899 (*Limnobia*). Type-locality: Skilstugan (Sweden).—Distr.: Europe: N, S, SF; USSR: NET, CET (north-west), ES (Taymyr), FE (Primorskiy kray); Asia: Mongolia.

Baeoura ALEXANDER, 1924

ALEXANDER, 1924: Ann. ent. Soc. Am., **17**: 67 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Erioptera nigrolatera* ALEXANDER, 1920: Ann. Mag. nat. Hist., (9) **6**: 31 (orig. des.); not Palearctic.

- afghanica** (ALEXANDER, 1954): Ann. Mag. nat. Hist., (12) **7**: 905 (*Cryptolabis*). Type-locality: Schiva, Badakhshan (Afghanistan).—Distr.: Asia: Afghanistan.
- alexanderi** MENDL et TJEDER, 1974: Ent. scand., **5**: 247 (*Baeoura*). Type-locality: Fassatal, W of Chliaro, Crete (Greece).—Distr.: Europe: GR (Crete).
- armata** MENDL, 1985: Articulata, **2**: 196 (*Baeoura*). Type-locality: Mithi, Crete (Greece).—Distr.: Europe: GR (Crete).

- directa** (KUNTZE, 1914): *Annln naturh. Mus. Wien*, **28**: 385 (*Psiloconopa*). Type-locality: Corsica (France) (the same by lectotype des. of STARÝ, 1981).—Distr.: Europe: F (Corsica).
- ebenina** STARÝ, 1981: *Reichenbachia*, **19**: 101 (*Baeoura*). Type-locality: Zanara near Ronda, Andalusia (Spain).—Distr.: Europe: E.
- longefiligera** MENDL, 1986: *Articulata*, **2**: 296 (*Baeoura*). Type-locality: N Rio Almonte, Arroyo de la Vid, Caceres (Spain).—Distr.: Europe: E.
- malickyi** MENDL et TJEDER, 1976: *Ent. scand.*, **7**: 237 (*Baeoura*). Type-locality: Karia, north Thessalia (Greece).—Distr.: Europe: GR (central, Rodhos), R.
- mediofiligera** SAVCHENKO in SAVCHENKO and PLYUSHCH, 1984: *Ent. Obozr.*, **63**: 174 (*Baeoura*). Type-locality: near Varzob, Odzhuk river (USSR: Tj).—Distr.: USSR SMA (Tj, Uz).
- perductilis** (ALEXANDER, 1938): *Philipp. J. Sci.*, **66**: 334 (*Cryptolabis*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- schachti** MENDL, 1986: *Articulata*, **2**: 293 (*Baeoura*). Type-locality: Veregös, SW Yüsekova, Sat Dag, Hakkari (Turkey).—Distr.: Asia: Turkey.
- septentrionalis** (ALEXANDER, 1940): *Philipp. J. Sci.*, **71**: 54 (*Cryptolabis*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- szadziwskii** KRZEMIŃSKI et STARÝ, 1984: *Polskie Pismo ent.*, **54**: 359 (*Baeoura*). Type-locality: Tichi near Bejaia (5°11'E/36°40'N) (Algeria).—Distr.: North Africa: Algeria.

Beringomyia SAVCHENKO, 1980

SAVCHENKO in SAVCHENKO and PARKHOMENKO, 1980: *Freshwater Fauna of the Far East, Vladivostok*: 99.

Type-species: *Ormosia cata* ALEXANDER, 1940: *Philipp. J. Sci.*, **71**: 57 (orig. des.).

- cata** (ALEXANDER, 1940): *Philipp. J. Sci.*, **71**: 57 (*Ormosia*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.
- deprava** (ALEXANDER, 1941): *Philipp. J. Sci.*, **76**: 62 (*Ormosia*). Type-locality: Kamikochi, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- politonigra** SAVCHENKO in SAVCHENKO and PARKHOMENKO, 1980: *Freshwater Fauna of the Far East, Vladivostok*: 103 (*Beringomyia*). Type-locality: coast of Gavriila bay at Orianda lagoon, Beringovskiy district (USSR).—Distr.: USSR: FE (Chukotka).
- prava** (ALEXANDER, 1940): *Philipp. J. Sci.*, **71**: 58 (*Ormosia*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea.

Erioptera MEIGEN, 1803

MEIGEN, 1803: Mag. Insektenk., 2: 262.

Type-species: *Erioptera lutea* MEIGEN, 1804: Klass. Beschr., 1: 52 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 540).

[In the interest of stability and in accordance with usage the authors set aside prior type-designations by BLANCHARD (in AUDION et al.), 1848, and by RONDANI, 1856, that would render *Erioptera* a senior synonym of *Molophilus* CURTIS. Suspension of I.C.Z.N. rules is required to validate COQUILLET's type-species designation; see also ALEXANDER, 1947: Revta Ent., 18: 338, MELVILLE, 1960: Bull. zool. Nom., 18: 30, ALEXANDER, 1969: Trans. Am. ent. Soc., 95: 460.]

Polymeda MEIGEN, 1800: Nouve. class.: 14. Type-species: *Erioptera lutea* MEIGEN, 1804: Klass. Beschr., 1: 52 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 593). [Suppressed by I.C.Z.N., Bull. zool. Nom., 20: Opinion 678.]

Polyraphia MEIGEN, 1818: Syst. Beschr., 1: 111. Type-species: *Erioptera taenionota* MEIGEN, 1818: l.c.: 111 (mon.) [= *lutea* MEIGEN, 1804].

Octavia BIGOT, 1854: Anns Soc. ent. Fr., (3) 2: 456 and 474. Type-species: *Erioptera taenionota* MEIGEN, 1818: Syst. Beschr., 1: 111 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 577) [= *lutea* MEIGEN, 1804].

Chemalida RONDANI, 1856: Dipt. Ital. Prodromus, 1: 180. Type-species: *Erioptera taenionota* MEIGEN, 1818: Syst. Beschr., 1: 111 (orig. des.) [= *lutea* MEIGEN, 1804].

Ilisophila RONDANI, 1856: Dipt. Ital. Prodromus, 1: 180. Type-species: *Erioptera lutea* MEIGEN, 1804: Klass. Beschr., 1: 52 (orig. des.).

Limnoea RONDANI, 1856: Dipt. Ital. Prodromus, 1: 181. Type-species: *Tipula flavescens*: MEIGEN, 1804, not LINNAEUS, 1758, misinterpretations (mon.) [= *flavata* WESTHOFF, 1882].

Limnoica RONDANI, 1861: Dipt. Ital. Prodromus, 4: 11 (as [unnecessary] new name for *Limnoea* RONDANI, 1856, not a junior homonym of *Limnaea* POLI, 1791). Type-species: *Tipula flavescens*: MEIGEN, 1804, not LINNAEUS, 1758, misinterpretations (aut.) [= *flavata* WESTHOFF, 1882].

Mesocyphona OSTEN SACKEN, 1869: see below as subgenus.

Teleneura ALEXANDER, 1931: see below as subgenus.

Meterioptera ALEXANDER, 1934: see below as subgenus.

Tasiocerodes ALEXANDER, 1958: see below as subgenus.

Subgenus ERIOPTERA MEIGEN, 1803

[*alboguttata* EDWARDS, 1916: Ann. Mag. nat. Hist., (8) 18: 252 (*Erioptera*). Type-locality: Arisan (Taiwan).—Distr.: Asia: Taiwan.]

- alboguttata daisenica** ALEXANDER, 1936: Philipp. J. Sci., **59**: 252 (*Erioptera*). Type-locality: Mt. Daisen, Hoki, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- beckeri** KUNTZE, 1914: Annln naturh. Mus. Wien, **28**: 378 (*Erioptera*). Type-locality: Sellivarge (Sweden).—Distr.: Europe: DK, S, SF; USSR: NET (southwest), CET, WS (Tyumen obl.), ES (Buryat ASSR), FE (Primorskiy kray).
- biaculeata** SAVCHENKO, 1981: Zool. Zh., **60**: 1585 (*Erioptera*). Type-locality: Mjussera, Pizunda nature reserve, Abkhaz ASSR (USSR: Ge).—Distr.: USSR: SET (southeast), TC (northwest).
- bicornifer** ALEXANDER, 1921: Ann. ent. Soc. Am., **14**: 116 (*Erioptera*). Type-locality: Nakano, Honshu (Japan).—Distr.: Asia: Japan (Honshu), North Korea.
- brevirama** ALEXANDER, 1931: Philipp. J. Sci., **44**: 362 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- cervula** SAVCHENKO, 1972: Zool. Zh., **51**: 673 (*Erioptera*). Type-locality: near Alekhino, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- cornuta** SAVCHENKO in SAVCHENKO and PLYUSHCH, 1984: Ent. Obozr., **63**: 176 (*Erioptera*). Type-locality: near Varzob (USSR: Tj).—Distr.: USSR: SMA.
- dama** ALEXANDER, 1958: Philipp. J. Sci., **86**: 324 (*Erioptera*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- divisa** (WALKER, 1848): List Dipt. Brit. Mus., **1**: 55 (*Limnobia*). Type-locality: England (Great Britain).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, I, N, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (west), SET (west), TC (Ge).
- macrophthalma* LOEW, 1871: Besch. europ. Dipt., **2**: 6 (*Erioptera*). Type-localities: Saltzbrunn; Silesia (Poland); Leningrad (USSR).
- flavata** (WESTHOFF, 1882): Bau Hypopygiums Tipula: 54 (*Trichosticha*, as new name for *Tipula flavescens*: MEIGEN, 1804, not LINNAEUS, 1758, misidentification).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, E, F, GB, ?H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, WS.
- flavescens*: MEIGEN, 1804, not LINNAEUS, 1758, misidentification.
- gemina* TJEDER, 1967: Opusc. ent., **32**: 228 (*Erioptera*, as [unnecessary] new name for *Tipula flavescens*: MEIGEN, 1804, not LINNAEUS, 1758, misidentification).
- flavissima** STARYĚ, 1972: Annotnes zool.-bot. Bratisl., **81**: 1 (*Erioptera*). Type-locality: Michurin (Bulgaria).—Distr.: Europe: BG, CS, R.
- flavohumeralis** ALEXANDER, 1924: Philipp. J. Sci., **24**: 582 (*Erioptera*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).
- fuscipennis** MEIGEN, 1818: Syst. Besch., **1**: 111 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, CH, CS, D, DDR, DK (incl. Faeroes), E, F (incl. Corsica), GB, GR, H, IRE, N, NL, PL, R, S, SF,

- YU; USSR: NET (south), CET, SET, TC (Az); Asia: Iran; North Africa: Morocco, Algeria.
- nigra** MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, 1823-1824: 163 (*Erioptera*). Type-locality: not given (northern France). [Synonymy not certain.]
- fusculenta** EDWARDS, 1938: Trans. Soc. Br. Ent., 5: 124 (*Erioptera*). Type-localities: several localities in Herts, Middlesex, Salop, Suffolk, Yorkshire (Great Britain).—Distr.: Europe: BG, CH, CS, D, DDR, DK, F, GB, H, NL, PL, R, S; USSR: CET (Uk), SET (Uk, Mo), TC, SMA (Tu).
- gorgona** SAVCHENKO, 1981: Zool. Zh., 60: 1587 (*Erioptera*). Type-locality: Kvemo-Zakhari on Lekhura river, Yugo Osetinsk AO (USSR: Ge).—Distr.: USSR: TC (Ge).
- griseipennis** MEIGEN, 1838: Syst. Besch., 7: 23 (*Erioptera*). Type-locality: not given.—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, I, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (west), SET (west).
- gracilipes** LOEW, 1871: Besch. europ. Dipt., 2: 7 (*Erioptera*). Type-localities: Silesia; Galicia (Poland).
- haplostyla** ALEXANDER, 1934: Philipp. J. Sci., 54: 339 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- horii** ALEXANDER, 1924: Philipp. J. Sci., 24: 583 (*Erioptera*). Type-locality: Jozankei, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea, Japan (Hokkaido, Honshu, Shikoku).
- mabelanoides** SAVCHENKO, 1972: Zool. Zh., 51: 671 (*Erioptera*). Type-locality: near Malo-Kurilsk, Shikotan, Kuril Is (USSR).
- juvenilis** ALEXANDER, 1933: Philipp. J. Sci., 50: 157 (*Erioptera*). Type-locality: Mt. Shirouma, Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu), China (Sichuan).
- laticrista** SAVCHENKO, 1977: Trudy biol.-pochv. Inst. DVNC AN SSSR, Vladivostok, (N.S.), 45(148): 100 (*Erioptera*, as new name for *Erioptera cristata* SAVCHENKO, 1972, a junior primary homonym of *Erioptera cristata* ALEXANDER, 1956).—Distr.: USSR: FE (Primorskiy kray).
- cristata** SAVCHENKO, 1972: Zool. Zh., 51: 674 (*Erioptera*). Type-locality: Ryabokon peninsula, south coast of lake Khanka, Primorskiy kray (USSR).
- leucosticta** ALEXANDER, 1933: Philipp. J. Sci., 50: 158 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- limbata** LOEW, 1873: Besch. europ. Dipt., 3: 47 (*Erioptera*). Type-locality: Galicia (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, F, GB, PL, R; USSR: CET (Li), SET (Uk).
- longicauda** LOEW, 1871: Besch. europ. Dipt., 2: 8 (*Erioptera*). Type-locality: near Kraków (Poland).—Distr.: Europe: ?F, PL. [Subgeneric position not certain.]
- lutea** MEIGEN, 1804: Klass. Besch., 1: 52 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK (incl. Faeroes), E, F (incl. Corsica), GB, H, I (incl. Sicily), IRE, L, N, NL, PL, R,

- S, SF, YU; USSR: NET, CET, SET, TC, KZ (southeast), SMA, WS (Altai, Tuva); Asia: Turkey, Israel, ?Iran.
- taenionota* MEIGEN, 1818: Syst. Besch., 1: 111 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).
- analis* ZETTERSTEDT, [1838]: Insecta Lapp.: 830 (*Erioptera*). Type-locality: Björvik, Ofotenfjord (Norway).
- lutea fuscohalterata* ALEXANDER, 1925: Proc. U.S. natn. Mus., 68: 11 (*Erioptera*, as species). Type-locality: Amagu village, Siberia (USSR).—Distr.: USSR: ES (south), FE (Primorskiy kray); Asia: Mongolia, North Korea.
- luteicornis* ALEXANDER, 1930: Philipp. J. Sci., 42: 531 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- mediofusca* ALEXANDER, 1940: Philipp. J. Sci., 71: 63 (*Erioptera*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.
- meijerei* EDWARDS, 1921: Trans. R. ent. Soc. Lond., 1921: 211 (*Erioptera*). Type-locality: Wicken (Great Britain).—Distr.: Europe: D, GB, I, NL.
- minor* DE MEIJERE, 1920: Tijdschr. Ent., 63: 71 (*Erioptera*). Type-locality: Nieuwersluis (The Netherlands).—Distr.: Europe: CS, D, NL.
- minor distinguenda* STARY, 1983: Annotnes zool.-bot. Bratisl., 154: 10 (*Erioptera*). Type-locality: Turna nad Bodvou, Kosice-vidiek district, Slovakia (Czechoslovakia).—Distr.: Europe: CS, DDR; USSR: CET (By).
- nielseni* DE MEIJERE, 1921: Tijdschr. Ent., 64: 108 (*Erioptera*). Type-locality: Silkeborg (Denmark).—Distr.: Europe: A, B, D, DK, F, GB, I, NL, PL, SF; USSR: CET (northwest).
- affinis* LACKSCHEWITZ, 1925: Arb. NaturfVer. Riga (N.F.), 16: 6 (*Erioptera*). Type-localities: "Leegenschen Laubwalde" [= Liege]; "Paltemoor bei Gawesen" [= ?Baltpurvs near Gavieze] (USSR: La).
- nyblaei* ZETTERSTEDT, [1838]: Insecta Lapp.: 830 (*Erioptera*). Type-locality: Dovre (Norway).—Distr.: Europe: N. [Subgeneric position not certain.]
- orbitalis* ALEXANDER, 1924: Philipp. J. Sci., 24: 584 (*Erioptera*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido); India, Sri Lanka, Indonesia (Sumatra).
- orientalis* BRUNETTI, 1912: Fauna Brit. India, Dipt., 1: 453 (*Erioptera*). Type-locality: Darjeeling (India).—Distr.: Asia: Japan (Honshu, Shikoku), "Korea", China (Shanghai); India, Malaya.
- dictenidia* ALEXANDER, 1921: Ann. ent. Soc. Am., 14: 115 (*Erioptera*). Type-locality: Shibuya, Tokyo, Honshu (Japan).
- pallidivena* ALEXANDER, 1938: Philipp. J. Sci., 67: 161 (*Erioptera*). Type-locality: Chonsani, Paiktusan (North Korea).—Distr.: USSR: ?FE (?Primorskiy kray); Asia: North Korea.
- pederi* TJEDER, 1969: Opusc. ent., 34: 253 (*Erioptera*). Type-locality: Ransvik Kullaberg, Skåne (Sweden).—Distr.: Europe: A, D, CS, R, S; USSR: SMA (Tj, Ki).

- phoenix** SAVCHENKO, 1972: Zool. Zh., **51**: 676 (*Erioptera*). Type-locality: Archivan, Astara district, Talysh (USSR: Az).—Distr.: USSR: TC (southeast).
- quadrihamata** SAVCHENKO, 1972: Zool. Zh., **51**: 677 (*Erioptera*). Type-locality: Magdagachi, Amur obl. (USSR).—Distr.: USSR: FE (south).
- sexaculeata** ALEXANDER, 1940: Philipp. J. Sci., **71**: 64 (*Erioptera*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- sordida** ZETTERSTEDT, [1838]: Insecta Lapp.: 829 (*Erioptera*). Type-localities: Björkvik (Norway); Härnösand (Sweden) (the first by lectotype des. of TJEDER, 1973).—Distr.: Europe: A, CS, D, DK, F, GB, N, PL, R, S, SF; USSR: NET (southwest), CET (west), SET (west), ES (Buryat ASSR), FE (Sakhalin, Kuril Is).
- flavipennis* STAEGER, 1840: Naturh. Tidsskr., **3**: 55 (*Erioptera*). Type-locality: not given (Denmark).
- riedeli* LACKSCHEWITZ, 1925: Arb. NaturfVer. Riga (N.F.), **16**: 5 (*Erioptera*). Type-locality: Amboten [= Embute] (USSR: La).
- squalida** LOEW, 1871: Besch. europ. Dipt., **2**: 5 (*Erioptera*). Type-localities: Halle (DDR); Silesia (Poland).—Distr.: Europe: A, B, CS, D, DDR, DK, E, GB, ?I, NL, PL, R, S, SF; USSR: NET (southwest), CET (west), SET (southwest).
- sudetica** KOLENATI, 1860: Wien. ent. Mschr., **4**: 392 (*Erioptera*). Type-locality: sources of Knoblauchwasser [= Cesnekovy brook], Altvater [= Praded], Moravia (Czechoslovakia).—Distr.: Europe: CS. [Subgeneric position not certain.]
- tenuirama** SAVCHENKO, 1972: Zool. Zh., **51**: 677 (*Erioptera*). Type-locality: near Lodiziri, near Goderdzi pass, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: Europe: CS; USSR: SET (southeast), TC (west).
- tordi** TJEDER, 1973: Ent. scand., **4**: 111 (*Erioptera*). Type-locality: Sångån, Leksand, Dalecarlia (Sweden).—Distr.: Europe: S; USSR: FE (Kuril Is).
- transmarina** BERGROTH, 1889: Wien. ent. Ztg., **8**: 114 (*Erioptera*). Type-locality: Algeria.—Distr.: North Africa: Morocco, Algeria. [Subgeneric position not certain.]
- verralli** EDWARDS, 1921: Trans. R. ent. Soc. Lond., **1921**: 212 (*Erioptera*). Type-locality: Dovedale (Great Britain).—Distr.: Europe: A, B, CH, CS, D, GB, I, PL, R; USSR: SET (Carpathians).
- nigripalpis* GOETGHEBUER in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., **2**: 141 (*Erioptera*). Type-locality: Forêt de Soignes, Brussels district (Belgium). [A junior primary homonym of *Erioptera nigripalpis* DE MEIJERE, 1913.]
- xanthoptera** ALEXANDER, 1924: Philipp. J. Sci., **24**: 582 (*Erioptera*). Type-locality: Konuma [= Novo-Alexandrovsk], Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu).
- holoxantha* ALEXANDER, 1936: Philipp. J. Sci., **60**: 190 (*Erioptera*). Type-locality: Iwate-gun, Iwate pref., Honshu (Japan). [Synonymy not certain.]

Subgenus MESOCYPHONA OSTEN SACKEN, 1869

OSTEN SACKEN, 1869: Smithson. misc. Collns, 8(219): 152 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Erioptera caliptera* SAY, 1823: J. Acad. nat. Sci. Philad., 3: 17 (des. BRUNETTI, 1912: Fauna Brit. India, Dipt., 1: 458); not Palaearctic.

bivittata (LOEW, 1873): Besch. europ. Dipt., 3: 41 (*Rhypholophus*). Type-localities: Harz (Germany); Silesia; Poznań; Galicia (Poland).—Distr.: Europe: A, BG, CS, D, DDR, DK, F, GB, H, I, NL, PL, R, S; USSR: NET (west), CET (west), SET (west), TC (Az), KZ (Zailiyskiy Alatau), SMA (Ki), WS (south), ES (south), FE (Primorskiy kray); Asia: Iran, Mongolia.

chankana (ALEXANDER, 1934): Philipp. J. Sci., 52: 344 (*Ormosia*). Type-locality: Kamen-Rybolov, lake Chanka, Primorskiy kray (USSR).

conica (SAVCHENKO, 1972): Vestn. zool., 1972(5): 29 (*Mesocyphona*). Type-locality: 8 km W Zangelan river, Zangelan district (USSR: Az).—Distr.: USSR: TC (Az), SMA (Ki).

fossarum (LOEW, 1873): Besch. europ. Dipt., 3: 51 (*Mesocyphona*). Type-locality: Meseritz [= Miedzyrzecz] (Poland).—Distr.: Europe: CS, H, PL, R; USSR: SET (Uk).

horrida (LACKSCHEWITZ, 1964): Ent. Obozr., 43: 719 (*Mesocyphona*). Type-locality: Dudinka, Krasnoyarskiy kray (USSR).—Distr.: USSR: ES (Krasnoyarskiy kray). [By THEOWALD, 1971: Beaufortia, 19: 55, as *Erioptera* (*Symplecta*) *novaezembiae* horrida.]

lilliputina (SAVCHENKO, 1972): Vestn. zool., 1972(5): 30 (*Mesocyphona*). Type-locality: near Chardzhou (USSR: Tu).—Distr.: USSR: SMA (Tu).

minuta (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, 50: 36 (*Mesocyphona*). Type-locality: not given.—Distr.: Europe: ?A.

spinifera (SAVCHENKO, 1972): Vestn. zool., 1972(5): 28 (*Mesocyphona*). Type-locality: near Erzin, floodplain of Tes-khem river, Tuva (USSR).—Distr.: USSR: WS (Tuva).

testacea (LACKSCHEWITZ, 1964): Ent. Obozr., 43: 720 (*Mesocyphona*). Type-locality: Halcha, Tuin-Gol river (Mongolia).—Distr.: USSR: WS (Tuva); Asia: Mongolia. [By THEOWALD, 1971: Beaufortia, 19: 54, as *Erioptera* (*Symplecta*) *stictica* testacea.]

Subgenus METERIOPTERA ALEXANDER, 1934

ALEXANDER, 1934: Philipp. J. Sci., 53: 462 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Erioptera javanensis* DE MEIJERE, 1911: Tijdschr. Ent., 54: 45 (orig. des.); not Palaearctic.

insignis EDWARDS, 1916: Ann. Mag. nat. Hist., (8) **18**: 251 (*Erioptera*). Type-locality: Arisan (Taiwan).—Distr.: Asia: Japan (Honshu); Taiwan.

Subgenus TASIOCERODES ALEXANDER, 1958

ALEXANDER, 1958: Philipp. J. Sci., **86**: 321 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Erioptera persessilis* ALEXANDER, 1958: l.c.: 321 (orig. des.).

persessilis ALEXANDER, 1958: Philipp. J. Sci., **86**: 321 (*Erioptera*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

Subgenus TELENEURA ALEXANDER, 1931

ALEXANDER, 1931: Philipp. J. Sci., **46**: 286 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Erioptera fusca* DE MEIJERE, 1913: Tijdschr. Ent., **56**: 351 (orig. des.); not Palaearctic.

leucopoda ALEXANDER, 1932: Philipp. J. Sci., **49**: 399 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

luteiclavata ALEXANDER, 1932: Philipp. J. Sci., **49**: 400 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

perlugubris ALEXANDER, 1940: Philipp. J. Sci., **71**: 195 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

perornata ALEXANDER, 1934: Philipp. J. Sci., **53**: 292 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

Gonempeda ALEXANDER, 1924

ALEXANDER, 1924: Proc. U.S. natn. Mus., **64**: 8 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Limnobia flava* SCHUMMEL, 1829: Beitr. Ent., Breslau, **1**: 148 (orig. des.).

armata SAVCHENKO, 1971: Dopov. Akad. Nauk ukr. RSR (B), **1971**: 949 (*Gonempeda*). Type-locality: near Lysogorsk, Lachin district, Karabakhsk AO (USSR: Az).—Distr.: USSR: TC (Az).

flava (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 148 (*Limnobia*). Type-locality: ?near Wrocław (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, IRE, NL, PL, R, S; USSR: CET (west), SET (west).

Gonomyodes ALEXANDER, 1948

ALEXANDER, 1948: Am. Midl. Nat., 39: 78 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Erioptera knowltonia* ALEXANDER, 1948: l.c.: 78 (orig. des.); not Palaearctic.

similissima SAVCHENKO, 1980: Vestn. zool., 1980(1): 20 (*Gonomyodes*). Type-locality: Talgar gorge, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau).

Hesperoconopa ALEXANDER, 1948

ALEXANDER, 1948: Am. Midl. Nat., 39: 76 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Gnophomyia aperta* COQUILLET, 1905: Jl N.Y. ent. Soc., 13: 58 (orig. des.); not Palaearctic.

acutistyla SAVCHENKO, 1980: Vestn. zool., 1980(1): 22 (*Hesperoconopa*). Type-locality: Sernovodsk, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).

Scleroprocta EDWARDS, 1938

EDWARDS, 1938: Trans. Soc. Br. Ent., 5: 137 (as subgenus of *Ormosia* RONDANI, 1856).

Type-species: *Ormosia danica* NIELSEN, 1923: Vidensk. Meddr dansk naturh. Foren., 76: 111 (orig. des.) [= *sororcula* (ZETTERSTEDT, 1851)].

acifurca SAVCHENKO, 1979: Dokl. Akad. Nauk ukr. RSR (B), 1979: 771 (*Scleroprocta*). Type-locality: Avadkhara, Gagrinskiy Mts, Abkhaz ASSR (USSR: Ge).—Distr.: USSR: TC (northwest).

balcanica STARY, 1976: Annotnes zool.-bot. Bratisl., 112: 1 (*Scleroprocta*). Type-locality: Pirin, Popina laka, Begovica stream (Bulgaria).—Distr.: Europe: BG, YU.

- cinctifer** (ALEXANDER, 1919): Ann. ent. Soc. Am., **12**: 336 (*Ormosia*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku).
- hexacantha** (ALEXANDER, 1970): Trans. Shikuko ent. Soc., **10**: 76 (*Ormosia*). Type-locality: Hirugano, Mino, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- latiprocta** SAVCHENKO, 1973: Ent. Obozr., **52**: 461 (*Scleroprocta*). Type-locality: near Toki, Aspindsk district, Dzhavachet Mts (USSR: Ge).—Distr.: USSR: TC (Ge).
- pentagonalis** (LOEW, 1873): Berl. ent. Z., **17**: 35 (*Rhypholophus*). Type-locality: not given (1873: Besch. europ. Dipt., **3**: 46: Poznań, Silesia (Poland), Herkulesbad [= Baile Herculane], Orsova (Roumania)).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, I, NL, PL, R, S; USSR: SET (Uk), KZ (southeast).
- sororcula** (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3888 (*Limnobia*). Type-locality: Mulfjellet (Sweden).—Distr.: Europe: A, CH, CS, D, DK, F, GB, I, N, NL, PL, R, S, SF; USSR: CET (Li, southwest), SET (Uk).
- danica** (NIELSEN, 1923): Vidensk. Meddr dansk naturh. Foren., **76**: 111 (*Ormosia*). Type-localities: Jelling; Aabenraa (Denmark).

***Styringomyia* LOEW, 1845**

- LOEW, 1845: Öffentl. K. Friedrich-Wilhelms Gymnasium zu Posen, **1845**: 6.
Type-species: *Styringomyia venusta* LOEW, 1845: l.c.: 6 (orig. des.) (fossil).
- Styringia* BERENDT, 1845: Bernst. befindl. organ. Reste Vorwelt, **1**(2): 57, unjustified emendation.
- Mesomyites* COCKERELL, 1917: Proc. U.S. natn. Mus., **52**: 377 (fossil). Type-species: *Mesomyites concinnus* COCKERELL, 1917: l.c.: 377 (orig. des.) (fossil).
- angustipennis** ALEXANDER, 1936: Philipp. J. Sci., **60**: 356 (*Styringomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- formosana** EDWARDS, 1914: Trans. R. ent. Soc. Lond., **1914**: 219 (*Styringomyia*). Type-localities: Tainan; Koshun (Taiwan).—Distr.: Asia: Japan (Honshu); Taiwan.
- nipponensis** ALEXANDER, 1929: Philipp. J. Sci., **40**: 345 (*Styringomyia*). Type-locality: Asahara, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu, Shikoku); Taiwan.
- omeiensis** ALEXANDER, 1935: Philipp. J. Sci., **56**: 367 (*Styringomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- siberiensis** ALEXANDER, 1935: Philipp. J. Sci., **56**: 366 (*Styringomyia*). Type-locality: Vinogradovka, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

sinensis ALEXANDER, 1930: Philipp. J. Sci., **43**: 533 (*Styringomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan); Taiwan.

Symplecta MEIGEN, 1830

MEIGEN, 1830: Syst. Besch., **6**: 282.

Type-species: *Limnobia punctipennis* MEIGEN, 1818: Syst. Besch., **1**: 147 (des. WESTWOOD, 1840: Synopsis: 128) [= *hybrida* (MEIGEN, 1804)].

Helobia LEPELETIER et SERVILLE in LATREILLE et al., 1828: Encycl. meth. (Ins.), (2) **10**: 585. Type-species: *Limnobia punctipennis* MEIGEN, 1818: Syst. Besch., **1**: 147 (mon.) [= *hybrida* (MEIGEN, 1804)]. [A junior homonym of *Helobia* STEPHENS, 1827.]

Kowarzia THALHAMMER, 1900: Fauna Reg. Hung., **3**, Dipt.: 19. Type-species: *Symplecta grata* LOEW, 1873: Besch. europ. Dipt., **3**: 53 (mon.).

Psiloconopa ZETTERSTEDT, 1838: see below as subgenus.

Trimicra OSTEN SACKEN, 1861: see below as subgenus.

Podoneura BERGROTH, 1888: see below as subgenus.

Hoploerioptera ALEXANDER, 1953: see below as subgenus.

Subgenus HOPLOERIOPTERA ALEXANDER, 1953

ALEXANDER, 1953: Philipp. J. Sci., **82**: 171 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Erioptera shikokuensis* ALEXANDER, 1953: l.c.: 171 (orig. des.).

honshuensis (ALEXANDER, 1958): Philipp. J. Sci., **86**: 323 (*Erioptera*). Type-locality: Mt. Amakazari, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

luctuosipes ALEXANDER, 1953: Philipp. J. Sci., **82**: 172 (*Symplecta*). Type-locality: Nisigawa to Yanase, Tosa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

shikokuensis ALEXANDER, 1953: Philipp. J. Sci., **82**: 171 (*Symplecta*). Type-locality: Mt. Tsurugi, Awa, Minokosi, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

Subgenus *PODONEURA* BERGROTH, 1888

BERGROTH, 1888: Ent. Tidskr., 9: 133 (as genus).

Type-species: *Podoneura anthracogramma* BERGROTH, 1888: l.c.: 133 (mon.); not Palaearctic.

peregrinator (ALEXANDER, 1944): Proc. R. ent. Soc. Lond. (B), 13: 79 (*Erioptera*). Type-locality: Minusinsk, S of Krasnoyarsk (USSR).—Distr.: USSR: ? NET (?Komi ASSR), SMA (Ki), Siberia from Tyumen obl. and Yakutsk ASSR in the north to Minusinsk in the south (WS, ES).

punctigera (LACKSCHEWITZ, 1964): Ent. Obozr., 43: 719 (*Podoneura*). Type-locality: Minusinsk, Krasnoyarskiy kray (USSR).

Subgenus *PSILOCONOPA* ZETTERSTEDT, 1838

ZETTERSTEDT, [1838]: Insecta Lapp.: 847 (as genus).

Type-species: *Psiloconopa meigeni* ZETTERSTEDT, [1838]: l.c.: 847 (mon.).

Symplectomorpha MIK, 1886: Wien. ent. Ztg, 5: 318 (as genus). Type-species: *Limnobia stictica* MEIGEN, 1818: Syst. Besch., 1: 148 (orig. des.).

Pseuderioptera ALEXANDER, 1975: JI N.Y. ent. Soc., 83: 123 (as subgenus of *Erioptera* MEIGEN, 1803). Type-species: *Erioptera schmidi* ALEXANDER, 1975: l.c.: 123 (orig. des.) [= *alexanderi* (SAVCHENKO, 1973)].

[The taxonomic position of a number of *Psiloconopa* species described by ALEXANDER is uncertain because in many cases it is not stated whether the species possess a hypopygium inversum.]

alexanderi (SAVCHENKO, 1973): Dopov. Akad. Nauk ukr. RSR (B), 1973: 569 (*Erioptera*). Type-locality: lower reaches of Akra-Chaj river, Zangelan district (USSR: Az).—Distr.: Europe: R; USSR: TC (southeast); Asia: Iran.

schmidi (ALEXANDER, 1975): JI N.Y. ent. Soc., 83: 123 (*Erioptera*). Type-locality: Dashte Maghan (Iran).

bergrothi (STROBL, 1898): Mitt. naturw. Ver. Steierm., 34: 296 (*Psiloconopa*). Type-locality: near Steinbrück (Austria).—Distr.: Europe: A.

beringiana SAVCHENKO, 1979: Dopov. Akad. Nauk ukr. RSR (B), 1979: 1053 (*Symplecta*). Type-locality: Uelen, Chukotka (USSR).—Distr.: USSR: FE (Chukotka).

cancriformis (ALEXANDER, 1975): JI N.Y. ent. Soc., 83: 125 (*Erioptera*). Type-locality: Durbadam (Iran).—Distr.: Asia: Iran. [Subgeneric position not certain.]

carsoni (ALEXANDER, 1955): Misc. Publs Mus. Zool. Univ. Mich., 90: 21 (*Erioptera*). Type-locality: banks of the Chatanika river, Steese highway, Alaska (USA).—Distr.: USSR: FE (Chukotka); Nearctic Region.

- gobiensis** (ALEXANDER, 1921): Bull. Mus. natn. Hist. nat. Paris, (1) 27: 303 (*Erioptera*). Type-locality: Cha-Tché ou, Pa-hou-lian, Inner Mongolia (China).—Distr.: Asia: China (Inner Mongolia).
- laudatrix** (ALEXANDER, 1947): Ann. ent. Soc. Am., 40: 364 (*Erioptera*). Type-locality: Gifu, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- lindrothi** (TJEDER, 1955): Opusc. ent., 20: 226 (*Erioptera*). Type-locality: Likenäs (Sweden).—Distr.: Europe: S.
- meigeni** (ZETTERSTEDT, [1838]): Insecta Lapp.: 847 (*Psiloconopa*). Type-localities: several localities in Lapland (Norway, Sweden).—Distr.: Europe: A, CS, GB, N, R, S, SF; USSR: NET, WS (Polar Ural, Altai), ES (Taymyr, Krasnoyarskiy kray).
- nigrohalterata** (ALEXANDER, 1958): Trans. Shikoku ent. Soc., 6: 8 (*Erioptera*). Type-locality: Matsuyama, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- propensa** (ALEXANDER, 1935): Philipp. J. Sci., 57: 222 (*Erioptera*). Type-locality: Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pusilla** (SCHINER, 1865): Verh. zool.-bot. Ges. Wien, 15: 995 (*Gnophomyia*). Type-locality: Brigittenau (Austria).—Distr.: Europe: A, BG, CS, D, GB, PL, R, YU; USSR: SET (Bukovina).
- stictica** (MEIGEN, 1818): Syst. Besch., 1: 148 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, E, F (incl. Corsica), GB, GR (incl. Samos), H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET (south), CET, SET, TC, SMA (Kopet Dag); Asia: Turkey, Israel, Iran, Afghanistan; Nearctic Region.
- similis* (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 156 (*Limnobia*). Type-locality: near Wrocław (Poland).
- tridenticulata** (ALEXANDER, 1934): Arkiv Zool., 27(A)(17): 21 (*Erioptera*). Type-locality: Kung-tze-tagga, Tsaluk valley, Min Mts, Gansu (China).—Distr.: Asia: China (Gansu).
- trilaciniata** SAVCHENKO, 1982: Vestn. zool., 1982(2): 70 (*Symplecta*). Type-locality: bank of Shchutchja river, Tyumen obl. (USSR).—Distr.: USSR: WS (Tyumen obl.).
- verna** (ALEXANDER, 1920): Insecutor Inscit. menstr., 8: 135 (*Psiloconopa*). Type-locality: Tamagawa, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- yasumatsui** (ALEXANDER, 1954): Mushi, 27: 31. (*Erioptera*). Type-locality: Tungyehchen, Shanxi (China).—Distr.: Asia: China (Shanxi).

Subgenus SYMPLECTA MEIGEN, 1830

- chosenensis** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 67 (*Erioptera*). Type-locality: Seren Mts (North Korea).—Distr.: Europe: CS, R; USSR: SMA (Ki, Uz), ES, FE (Primorskiy kray); Asia: Mongolia, North Korea, China (north, west).
- mongolica** (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 718 (*Helobia*). Type-locality: Halcha, Tuin-Gol river (Mongolia).
- elongata** LOEW, 1874: Z. ges. Naturw., **43**: 414 (*Symplecta*). Type-locality: Schahrud (Iran).—Distr.: Asia: Iran. [Subgeneric position not certain.]
- grata** LOEW, 1873: Besch. europ. Dipt., **3**: 53 (*Symplecta*). Type-locality: Neusiedler See (Austria).—Distr.: Europe: A, CS, I (Sicily), R; USSR: SET (Donetsk hills, Crimea), SMA; Nearctic Region.
- [**hardyi** (ALEXANDER, 1948): Am. Midl. Nat., **39**: 68 (*Erioptera*). Type-locality: Junction, Utah (USA)].
- hybrida** (MEIGEN, 1804): Klass. Besch., **1**: 57 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E, F (incl. Corsica), GB, H, I (incl. Sicily), IRE, IS, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC, SMA, KZ, WS, ES (incl. Kotelniiy Is), FE; North Africa: Morocco, Algeria, Egypt; Asia: Israel, Lebanon, Iran, Afghanistan, China (as far south as Tibet and Sichuan), North Korea, Japan; Azores; Oriental and Nearctic Regions.
- punctipennis** (MEIGEN, 1818): Syst. Besch., **1**: 147 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- intermedia** (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 717 (*Helobia*). Type-locality: Turkhanovo near Kanin Nos, Arkhangelsk obl. (USSR).—Distr.: USSR: NET (north), WS (Altai), ES (north), FE (Magadan obl.); Asia: ?Mongolia.
- novaezembrae** (ALEXANDER, 1922): Results Norw. Exped. Novaya Zemlya, 1921, **5**: 5 (*Psiloconopa*). Type-locality: Pomorskaya bay, Matotchkin strait, Novaya Zemlya (USSR).—Distr.: USSR: NET (Yugorskiv peninsula, Novaya Zemlya), ES (Taymyr).
- novaezembrae mabelana** (ALEXANDER, 1955): Misc. Publs Mus. Zool. Univ. Mich., **90**: 25 (*Erioptera*, as species). Type-locality: Lake creek, Yukon (Canada).—Distr.: USSR: FE (Kamchatka, Sakhalin); Nearctic Region.
- novaezembrae scotica** (EDWARDS, 1938): Trans. Soc. Br. Ent., **5**: 127 (*Erioptera*, as species). Type-locality: Dingwall, Ross, Scotland (Great Britain).—Distr.: Europe: GB, N, S, SF; USSR: NET (Kola peninsula); Nearctic Region.
- sheldoni** (ALEXANDER, 1955): Misc. Publs Mus. Zool. Univ. Mich., **90**: 28 (*Erioptera*). Type-locality: Teklanika river, McKinley national park, Alaska (USA).—Distr.: USSR: FE (Chukotka); Nearctic Region.
- tripilata** (ALEXANDER, 1957): Ann. Mag. nat. Hist., (12) **10**: 296 (*Erioptera*). Type-locality: Talas, Kashmir (India).—Distr.: USSR: SMA (Ki); Asia: India.

Subgenus TRIMICRA OSTEN SACKEN, 1861

OSTEN SACKEN, 1861: Proc. Acad. nat. Sci. Philad., 1861: 290 (as genus).

Type-species: *Trimicra anomala* OSTEN SACKEN, 1861: l.c.: 290 (mon.) [= *pilipes* (FABRICIUS, 1787)].

pilipes (FABRICIUS, 1787): Mantissa insect., 2: 324 (*Tipula*). Type-locality: Kiel [D].—Distr.: Europe: A, B, CS, D, DDR, DK, E, F (incl. Corsica), GB, IRE, N, NL, PL, R, S, SF, YU; USSR; NET, CET, SET (Uk), WS, ES, FE (Primorskiy kray); Asia: Israel, Saudi Arabia, Mongolia; North Africa: Morocco, Algeria, Egypt; Azores, Madeira, Canary Is; cosmopolitan.

fimbriata (MEIGEN, 1818): Syst. Besch., 1: 132 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).

umbripennis (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 148 (*Limnobia*). Type-locality: near Wrocław (Poland).

brunnipennis (MACQUART, 1834): Hist. nat. Ins., Dipt., 1: 106 (*Limnobia*). Type-locality: Lorraine (France).

hirsutipes (MACQUART in WEBB and BERTHELOT, 1839): Hist. nat. Iles Canaries, 2(2): 101 (*Limnobia*). Type-locality: not given (Canary Is).

haligena (WOLLASTON, 1858): Ann. Mag. nat. Hist., (3) 1: 114 (*Limnobia*). Type-locality: Porto Santo and southern Madeira (Madeira).

andalusiaca (STROBL, 1900): Wien. ent. Ztg, 19: 213 (*Trimicra*). Type-locality: Algeciras (Spain).

marina (PIERRE, 1924): Encycl. ent. (B II) Dipt., 1: 88 (*Psiloconopa*). Type-locality: Slack, Ambleteuse near Wimereux, Pas de Calais (France).

pauliani (SÉGUY, 1942): Bull. Lab. marit. Dinard, 24: 77 (*Molophilus*). Type-localities: several littoral localities in Ile-et-Vilaine (France).

[See for additional synonyms: ALEXANDER, 1962: Opusc. zool., 61: 1-5 and 1962: Pacif. Insects, 4: 939-941.]

Tribe Molophilini

Chellotrichia ROSSI, 1848

ROSSI, 1848: Verz. österreich. Dipt.: 12.

Type-species: *Erioptera imbuta* MEIGEN, 1818: Syst. Besch., 1: 114 (mon.).

Empeda OSTEN SACKEN, 1869: see below as subgenus.

Subgenus CHEILOTRICHIA ROSSI, 1848

- aemula** SAVCHENKO, 1974: Dopov. Akad. Nauk ukr. RSR (B), 1974: 943 (*Cheilotrichia*). Type-locality: near Shapsugskoe, Abinsk district, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast).
- cinerea** (STROBL, 1898): Mitt. naturw. Ver. Steierm., 34: 295 (*Psiloconopa*). Type-locality: Gesäuse [= near Admont] (Austria).—Distr.: Europe: A, CH, CS, D, F, H, I, R, YU; USSR: SET (Carpathians).
- exigua** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, 50: 44 (*Cheilotrichia*). Type-locality: Raibl (Yugoslavia).
- imbuta** (MEIGEN, 1818): Syst. Besch., 1: 114 (*Erioptera*). Type-locality: not given ("von Hrn. Wiedemann").—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, N, NL, PL, R, S, SF, YU; USSR: NET (south), CET, SET, TC, WS (Altai), FE (Primorskiy kray, Sakhalin, Kuril Is).
- cothurnata** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, 1823-1824: 161 (*Limnobia*). Type-locality: not given (northern France).
- laetipennis** (ALEXANDER, 1936): Philipp. J. Sci., 59: 252 (*Erioptera*). Type-locality: Kibune, Kyoto Pref., Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu).
- meridiana** MENDL, 1974: Fragm. ent., Roma, 9: 210 (*Cheilotrichia*). Type-locality: Fiume Cadone below Fiora, Amiata region, Toscana (Italy).—Distr.: Europe: F, I; USSR: SMA (Tu).
- monstrosa** BANGERTER, 1947: Mitt. schweiz. ent. Ges., 20: 379 (*Cheilotrichia*). Type-locality: Sense near Schwarzsee (Switzerland).—Distr.: Europe: CH, D.
- vagans** SAVCHENKO, 1972: Dopov. Akad. Nauk ukr. RSR (B), 1972: 560 (*Cheilotrichia*). Type-locality: 95-100 km from Tbilisi on road to Krestoviy pass (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).

Subgenus EMPEDA OSTEN SACKEN, 1869

- OSTEN SACKEN, 1869: Smithson. misc. Collns, 8(219): 183 (as genus).
Type-species: *Empeda stigmatica* OSTEN SACKEN, 1869: l.c.: 184 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 537); not Palaearctic.
- Platyoma* LIOY, 1863: Atti R. Ist. veneto Sci., (3) 9: 226 (as genus). Type-species: *Erioptera cinerascens* MEIGEN, 1804: Klass. Besch., 1: 52 (orig. des.). [A junior homonym of *Platyoma* DEJEAN, 1833.]
- affinis** (LACKSCHEWITZ, 1927): KorrespBl. NaturfVer. Riga (N.F.), 59: 10 (*Empeda*). Type-locality: Embute (USSR: La).—Distr.: Europe: A, CH, CS, D, DDR, PL, R; USSR: CET (northwest), SET (Carpathians). [?Conspecific with *nemorensis* SANTOS ABREU, 1923.]

- areolata** (LUNDSTRÖM, 1912): Acta Soc. Fauna Flora fenn., **36**(1): 61 (*Empeda*). Type-localities: Muonio; Enontekis (Finland) (the first by lectotype des. of TJEDER, 1963).—Distr.: Europe: N, S, SF; USSR: NET (Kola Peninsula), FE (Chukotka, Kamchatka, Amur obl., Primorskiy kray, Kuril Is); ?Nearctic Region.
- [*rectispina* (ALEXANDER, 1955): Misc. Publs Mus. Zool. Univ. Mich., **90**: 13 (*Erioptera*). Type-locality: 5 mi W Valdez, Alaska (USA).] [Synonymy not certain.]
- [**baluchistanica** (ALEXANDER, 1944): Proc. R. ent. Soc. Lond. (B), **13**: 80 (*Erioptera*). Type-locality: Quetta, Baluchistan (Pakistan).—Distr.: Asia: Pakistan.]
- brachyclada** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 195 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- brumalis** (ALEXANDER, 1947): Ann. ent. Soc. Am., **40**: 365 (*Erioptera*). Type-locality: Gifu, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- caerulea** STARÝ, 1987: Acta ent. Mus. natn. Prag., **42**: 261 (*Cheilotrichia*). Type-locality: Rejvíz, Jesenky Mts (Czechoslovakia).—Distr.: Europe: A, CS, D, DDR.
- cinerascens** (MEIGEN, 1804): Klass. Beschr., **1**: 52 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK (incl. Faeroes), E, F, GB, H, I (incl. Sicily), IRE, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC; Asia: Iran; Canary Is.
- nubila* (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 147 (*Limnobia*). Type-locality: ?near Wrocław (Poland).
- diluta* (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3793 (*Erioptera*). Type-localities: Esperöd; Lärketorp (Sweden); Christiania [= Oslo] (Norway).
- tenella* (WALKER, 1856): Ins. Brit., Dipt., **3**: 129 (*Asynapta*). Type-locality: not given (Great Britain).
- alpina* (STROBL, 1895): Mitt. naturw. Ver. Steierm., **31**: 232 (*Empeda*, as form of *nubila*). Type-locality: Scheiplsee, Bösenstein (Austria).
- fuscogalterata* (STROBL, 1906): Mem. R. Soc. esp. Hist. nat., **3**: 413 (*Empeda*, as var. of *nubila*). Type-locality: Algeciras (Spain). [Synonymy not certain.]
- fuscocincta** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 196 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- japonica** (ALEXANDER, 1920): Insecutor Inscit. menstr., **8**: 134 (*Erioptera*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: ?FE (?Sakhalin); Asia: Japan (Honshu, Shikoku).
- kolbei** (WESTHOFF, 1882): Bau Hypopygiums Tipula: 57 (*Trichosticha*). Type-locality: Handorf near Münster [D].—Distr.: Europe: D. [Subgeneric position not certain.]
- mendli** STARÝ, 1987: Acta ent. Mus. natn. Prag., **42**: 267 (*Cheilotrichia*). Type-locality: Musei, Sardinia (Italy).—Distr.: Europe: I (Sardinia), P.

- microdonta** ALEXANDER, 1957: Ann. Mag. nat. Hist., (12) 10: 295 (*Cheilotrichia*). Type-locality: Mahthantir Gah, Kashmir (India).—Distr.: Asia: China (Tibet); India.
- microtrichiata** (ALEXANDER, 1930): Philipp. J. Sci., 42: 80 (*Erioptera*). Type-locality: Mt. Kirishima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- minima** (STROBL, 1898): Glasn. zemalj. Mus. Bosni Herceg., 10: 606 (*Gonomyia*). Type-locality: Mostar, Bosnia (Yugoslavia).—Distr.: Europe: A, AL, BG, CS, R, YU; USSR: SET (Carpathians), SMA; Asia: Iran, Afghanistan.
- gnoma** ALEXANDER, 1975: JI N.Y. ent. Soc., 83: 122 (*Cheilotrichia*). Type-locality: Ardehjan (Iran).
- [minuscula** (ALEXANDER, 1920): Ann. ent. Soc. Am., 13: 256 (*Erioptera*). Type-locality: Shishito (Taiwan).—Distr.: Asia: ?Japan, Taiwan.]
- neglecta** (LACKSCHEWITZ, 1927): KorrespBl. NaturfVer. Riga (N.F.), 59: 10 (*Empeda*). Type-locality: Paplaken [= Paplika] (USSR: La) (the same by lecto-type des. of STARYĀ, 1987).—Distr.: Europe: CS, PL, R, SF; USSR: CET (northwest).
- nemorensis** (SANTOS ABREU, 1923): Mems R. Acad. Cienc. Artes Barcelona, 18: 118 (*Polymeda*). Type-localities: Cumbre Vieja; Barrancos de los Mastrantes; La Madera (Canary Is: La Palma).—Distr.: Canary Is, Madeira. [See *affinis*.]
- obscura** (SANTOS ABREU, 1923): Mems R. Acad. Cienc. Artes Barcelona, 18: 121 (*Polymeda*, as var. of *nemorensis*). Type-localities: Cumbre Vieja; Barrancos de los Mastrantes; La Madera (Canary Is: La Palma).
- nigroapicalis** (ALEXANDER, 1920): Ann. ent. Soc. Am., 13: 255 (*Erioptera*). Type-locality: Funkiko (Taiwan).—Distr.: Asia: Japan (Shikoku); Taiwan.
- nigrostylata** (ALEXANDER, 1936): Philipp. J. Sci., 60: 191 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- praelata** (ALEXANDER, 1934): Arkiv Zool., 27(A)(17): 22 (*Erioptera*). Type-locality: Kung-tze-tagga, Tsaluk valley, Min Mts, Gansu (China).—Distr.: Asia: China (Gansu).
- staryi** MENDEL, 1973: NachrBl. bayer. Ent., 22: 65 (*Cheilotrichia*). Type-locality: Kreuzthal-Eisenbach, Westallgäu [D].—Distr.: Europe: A, BG, CH, CS, D, F, I, R; USSR: CET (Li).
- subnubila** (ALEXANDER, 1940): Philipp. J. Sci., 71: 69 (*Erioptera*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- sulfureoclavata** (ALEXANDER, 1930): Philipp. J. Sci., 43: 529 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- vallanti** (ALEXANDER, 1921): Bull. Mus. natn. Hist. nat. Paris, (1) 27: 305 (*Erioptera*). Type-locality: Cha Tchéou at Kan Tchéou, Nan Chan, Inner Mongolia (China).—Distr.: Asia: China (Inner Mongolia).

Erloconopa STARÝ, 1976

STARÝ, 1976: Acta ent. bohemoslov., **73**: 420.

Type-species: *Erioptera trivialis* MEIGEN, 1818: Syst. Besch., **1**: 112 (orig. des.).

diuturna (WALKER, 1848): List Dipt. Brit. Mus., **1**: 54 (*Limnobia*). Type-locality: England (Great Britain).—Distr.: Europe: A, BG, CS, D, E, F, GB, I, IRE, N, PL, S, SF; USSR: NET (southwest), CET (northwest), SET (Uk).

forsslundi (TJEDER, 1936): Ent. Tidskr., **57**: 132 (*Erioptera*). Type-locality: Stång-tjäm, Dalekarlia (Sweden).

zetterstedti (LACKSCHEWITZ, 1936): Norsk ent. Tidsskr., **4**: 115 (*Erioptera*). Type-locality: Kiruna (Sweden).

elegantula (ALEXANDER, 1913): Can. Ent., **45**: 290 (*Erioptera*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku).

harukawai (ALEXANDER, 1926): Philipp. J. Sci., **31**: 368 (*Erioptera*). Type-locality: Kurashiki, Okayama pref., Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu).

interposita STARÝ, 1976: Acta ent. bohemoslov., **73**: 422 (*Eriocnopa*). Type-locality: Bajtava near Stúrovo, Slovakia (Czechoslovakia).—Distr.: Europe: CS; USSR: SET (Podolian hills).

symplectoides (KUNTZE, 1914): Annln naturh. Mus. Wien, **28**: 378 (*Erioptera*). Type-locality: Retyezát [= Retezatului] (Roumania).—Distr.: Europe: AL, BG, F, GR, ?N, R; USSR: SET, TC (Ge, Az); Asia: Turkey; North Africa: ?Morocco.

parumpunctata (STORM, 1898): Norske Selsk. Skrift, **1895**: 231 (*Erioptera*). Type-localities: Mostadmarken in Selbu; Sör Trøndelag near Trondheim (Norway). [A questionable senior synonym.]

tadzika (SAVCHENKO, 1972): Zool. Zh., **51**: 679 (*Erioptera*). Type-locality: near Dushanbe (USSR: Tj).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki, Tj).

jaroslavi SAVCHENKO, 1980: Ent. Obozr., **59**: 395 (*Eriocnopa*). Type-locality: Talgar gorge, Zailiyskiy Alatau (USSR).

trivialis (MEIGEN, 1818): Syst. Besch., **1**: 112 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK (incl. Faeroes), E, F, GB, H, I, IRE, IS, N, NL, PL, R, S, SF, YU; USSR: NET (incl. Kola peninsula, Novaya Zemlya), CET, SET, TC; Asia: Turkey, Iran.

sericea (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 159 (*Limnobia*). Type-locality: Lille (France). [Synonymy not certain.]

ciliaris (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 151 (*Limnobia*). Type-localities: near Wrocław; near Pöpelwitz (Poland).

Hoplolabis OSTEN SACKEN, 1869

OSTEN SACKEN, 1869: *Smithson. misc. Collns*, 8(219): 152 (as subgenus of *Erioptera* MEIGEN, 1803).

Type-species: *Erioptera armata* OSTEN SACKEN, 1860: *Proc. Acad. nat. Sci. Philad.*, 1859: 227 (mon.); not Palaearctic.

Lunaria SAVCHENKO, 1982: see below as subgenus.

Parilisia SAVCHENKO, 1976: see below as subgenus.

Subgenus HOPLOLABIS OSTEN SACKEN, 1869

asiatica (ALEXANDER, 1918): *Ann. ent. Soc. Am.*, 11: 447 (*Erioptera*). Type-locality: Kyoto, Honshu (Japan).—Distr.: USSR: FE (Kamchatka, Magadan obl., Primorskiy kray, Sakhalin, Kuril Is); Asia: Mongolia, China (north), North Korea, Japan (Hokkaido, Honshu, Shikoku); Nearctic Region.

Subgenus LUNARIA SAVCHENKO, 1982

SAVCHENKO, 1982: *Fauna Ukrainy*, 14(3): 182 (as subgenus of *Ilisia* RONDANI, 1856).

Type-species: *Ilisia idiophallus* SAVCHENKO, 1973: *Zbirn. Prats zool. Mus.*, Kiev, 35: 38 (orig. des.).

amseliana (NIELSEN, 1961): *Beitr. naturk. Forsch. SüdwDtl.*, 19: 306 (*Erioptera*).

Type-locality: Polichomri (Afghanistan).—Distr.: USSR: TC (Arm), SMA (Tj, Ki, Tu); Asia: Afghanistan.

idiophallus (SAVCHENKO, 1973): *Zbirn. Prats zool. Mus.*, Kiev, 35: 38 (*Ilisia*).

Type-locality: near Bronki, Irshava district, Zakarpatskaya obl. (USSR).—Distr.: Europe: BG, CS, R; USSR: SET (Carpathians).

Subgenus PARILISIA SAVCHENKO, 1976

SAVCHENKO *in* SAVCHENKO and KRIVOLUTSKAYA, 1976: *Limoniidae of the south Kuril Islands and south Sakhalin*: 91 (as subgenus of *Ilisia* RONDANI, 1856).

Type-species: *Erioptera areolata* SIEBKE, 1872: *Nyt Mag. Naturvid.*, 19: 59 (orig. des.).

albibasis (SAVCHENKO, 1983): *Vestn. zool.*, 1983(4): 3 (*Ilisia*). Type-locality: Talgar gorge, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki).

- areolata** (SIEBKE, 1872): *Nyt Mag. Naturvid.*, **19**: 59 (*Erioptera*). Type-locality: Aamodt, at lake Storsøen, Buskerud (Norway).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, E, F, GB, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET.
- pallens** (LOEW, 1873): *Beschr. europ. Dipt.*, **3**: 50 (*Acyphona*). Type-locality: Biberich [D].
- badakhensis** (ALEXANDER, 1954): *Ann. Mag. nat. Hist.*, (12) **7**: 904 (*Erioptera*). Type-locality: Firgamu, Kokscha valley, Badakhshan (Afghanistan).—Distr.: USSR: ?SMA (?Tj); Asia: Afghanistan; India.
- caudata** (SAVCHENKO, 1983): *Vestn. zool.*, **1983**(4): 6 (*Ilisia*). Type-locality: Alma Atinsko lake, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki).
- complicata** (BANGERTER, 1947): *Mitt. schweiz. ent. Ges.*, **20**: 356 (*Ilisia*). Type-locality: Sensetal (Switzerland).—Distr.: Europe: A, CH, D, F.
- dichroa** (ALEXANDER, 1938): *Philipp. J. Sci.*, **66**: 337 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- estella** (ALEXANDER, 1955): *Misc. Publs Mus. Zool. Univ. Mich.*, **90**: 23 (*Erioptera*). Type-locality: Teklanika river, McKinley national park, Alaska (USA).—Distr.: USSR: WS (Tuva), FE (Kamchatka); Asia: Mongolia; Nearctic Region.
- fluviatilis** (VAILLANT, 1970): *Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble*, **61**: 21 (*Ilisia*). Type-locality: Isère (France).—Distr.: Europe: CH, F.
- forcipula** (SAVCHENKO, 1978): *Vestn. zool.*, **1978**(5): 45 (*Ilisia*). Type-locality: Talgar gorge, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau).
- incisurata** (SAVCHENKO, 1982): *Fauna Ukrainy*, **14**(3): 181 (*Ilisia*). Type-locality: Kvasy, Carpathians (USSR: Uk).—Distr.: USSR: SET (Carpathians). [?Con-specific with *mannheimsi* MENDL, 1974.]
- iranica** (ALEXANDER, 1973): *Jl N.Y. ent. Soc.*, **81**: 83 (*Erioptera*). Type-locality: Zanuz, Mazandaran (Iran).—Distr.: USSR: SET (southeast), TC; Asia: Iran.
- latiloba** (SAVCHENKO, 1978): *Vestn. zool.*, **1978**(5): 45 (*Ilisia*). Type-locality: near Alma-Ata (USSR).—Distr.: USSR: KZ (southeast), SMA (Tj).
- machidai** (ALEXANDER, 1931): *Philipp. J. Sci.*, **44**: 363 (*Erioptera*). Type-locality: Hirayu, Japanese Alps, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu). [Subgeneric position not certain.]
- mannheimsi** (MENDL, 1974): *Fragm. ent.*, Roma, **9**: 214 (*Erioptera*). Type-locality: north of Tuscania, Lazio (Italy).—Distr.: Europe: AL, CS, GR, I, PL, R, YU; Asia: ?Turkey. [See *incisurata*.]
- multiserrata** (ALEXANDER, 1957): *Ann. Mag. nat. Hist.*, (12) **10**: 298 (*Erioptera*). Type-locality: Darkot, Kashmir (India).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Tj, Ki); Asia: India.
- obtusirama** (SAVCHENKO, 1983): *Vestn. zool.*, **1983**(4): 7 (*Ilisia*). Type-locality: north slope of Darvazskiy Mts (USSR: Tj).—Distr.: USSR: SMA (Tj).

- postrema** (ALEXANDER, 1936): Philipp. J. Sci., **60**: 350 (*Erioptera*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- punctigera** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 36 (*Ilisia*). Type-locality: Bioce (Yugoslavia).—Distr.: Europe: AL, BG, F, GR (incl. Crete), I, R, YU.
- punctigera obtusiapex** (SAVCHENKO, 1982): Fauna Ukrainy, **14**(3): 175 (*Ilisia*). Type-locality: Novosilky, Petrikov district, Gomel obl. (USSR).—Distr.: Europe: CS, R; USSR: CET (south), SET (west).
- sachalina** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 584 (*Erioptera*). Type-locality: Shimizu [= Tchistovidnoye], Kholmsk district, Sakhalin (USSR).—Distr.: Europe: CS; USSR: ES (south), FE (Sakhalin); Asia: Mongolia, China (Sichuan).
- subareolata* (ALEXANDER, 1932): Philipp. J. Sci., **49**: 130 (*Erioptera*). Type-locality: Chengdu, Sichuan (China).
- serenicola** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 65 (*Erioptera*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.
- serratofalcata** (SAVCHENKO, 1983): Vestn. zool., **1983**(4): 6 (*Ilisia*). Type-locality: north slope of Darvazskiy Mts (USSR: Tj).—Distr.: USSR: SMA (Tj).
- sororcula** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 38 (*Ilisia*). Type-locality: Gorizia (Italy).—Distr.: Europe: CH, CS, D, F, I, R; USSR: SET (Carpathians).
- intermedia* (BANGERTER, 1947): Mitt. schweiz. ent. Ges., **20**: 354 (*Ilisia*). Type-locality: Sensetal (Switzerland).
- sparsiguttula** (ALEXANDER, 1966): Bull. Brooklyn ent. Soc., **59/60**: 19 (*Erioptera*). Type-locality: Chanlacha, near Kunduz (Afghanistan).—Distr.: USSR: TC (Az), SMA; Asia: Afghanistan.
- spinosa** (NIELSEN, 1953): Z. wien. ent. Ges., **38**: 35 (*Erioptera*). Type-locality: near Admont (Austria).—Distr.: Europe: A, CS, PL; USSR: SET (Uk, Mo).
- spinosa pontica** (SAVCHENKO, 1984): Vestn. zool., **1984**(1): 88 (*Ilisia*). Type-locality: Khanakhska gorge, Rybachye Alushta district, Crimea (USSR).—Distr.: USSR: SET (Crimea).
- spinula** (MENDL, 1973): NachrBl. bayer. Ent., **22**: 114 (*Erioptera*). Type-locality: Obertilliach, east Tirol (Austria).—Distr.: Europe: A, D.
- subalpina** (BANGERTER, 1947): Mitt. schweiz. ent. Ges., **20**: 355 (*Ilisia*). Type-locality: near Ruine Grasburg (Switzerland).—Distr.: Europe: BG, CH, CS, D, P, R, S, YU; USSR: CET (Li, By), SET (Uk).
- variegata** (SAVCHENKO, 1983): Vestn. zool., **1983**(4): 5 (*Ilisia*). Type-locality: north slope of Darvazskiy Mts (USSR: Tj).—Distr.: USSR: SMA (Tj).
- vicina** (TONNOIR in GOETGHEBUER and TONNOIR, 1920): Bull. Soc. ent. Belg., **2**: 142 (*Acyphona*). Type-localities: Linkebeek; Watermael (Belgium).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F, GB, H, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC.

- yezoana** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 585 (*Erioptera*). Type-locality: Shitakara, Hokkaido (Japan).—Distr.: Europe: A, BG, CH, CS, D, F (incl. Corsica), IRE, R, YU; USSR: NET (west), CET (northwest), SET (Uk), TC, SMA (Tu, Ki), WS (south), FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Iran, Japan (Hokkaido).
- czizeki** (BANGERTER, 1947): Mitt. schweiz. ent. Ges., **20**: 353 (*Ilisia*). Type-locality: Ochoz [= near Brno] (Czechoslovakia).

Ilisia RONDANI, 1856

RONDANI, 1856: Dipt. Ital. Prodromus, **1**: 182.

Type-species: *Erioptera maculata* MEIGEN, 1804: Klass. Besch., **1**: 51 (orig. des.).
Trichosticha SCHINER, 1863: Wien. ent. Mschr., **7**: 221. Type-species: *Erioptera maculata* MEIGEN, 1804: Klass. Besch., **1**: 51 (des. ISHIDA, 1961: Sci. Rep. Hyogo Univ. Agric., Ser. Nat. Sci., **5**(1): 3).

- asymmetrica** (ALEXANDER, 1913): Can. Ent., **45**: 289 (*Erioptera*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: SMA (Ki, Tj), FE (Primorskiy kray, Kuril Is); Asia: North Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu); India.
- incongruens** (ALEXANDER, 1913): Can. Ent., **45**: 288 (*Erioptera*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: Japan (Honshu).
- inermis** MENDEL, 1979: Spixiana, **2**: 176 (*Ilisia*). Type-locality: Festos, Ieropotamos, Crete (Greece).—Distr.: Europe: CS, GR (Crete, Levkas); Asia: Syria.
- maculata** (MEIGEN, 1804): Klass. Besch., **1**: 51 (*Erioptera*). Type-locality: near Solingen [D].—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, I (incl. Sicily), IRE, NL, PL, R, S, YU; USSR: NET (south), CET, SET, TC; Asia: Turkey, ?Israel, Iran.
- occoecata** EDWARDS, 1936: Entomologist, **69**: 219 (*Ilisia*). Type-locality: Ffrith, Flintshire (Great Britain).—Distr.: Europe: A, BG, CH, CS, D, DDR, DK, F, GB, L, PL, S.
- parchomenkoi** SAVCHENKO, 1974: Zool. Zh., **53**: 474 (*Ilisia*). Type-locality: near Arslanvov, Fergana Mts (USSR: Ki).—Distr.: USSR: SMA (Ki).
- tenuisentis** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 79 (*Erioptera*). Type-locality: Arisan (Taiwan).—Distr.: Asia: China (Sichuan); China (Jiangxi), Taiwan.

Molophilus CURTIS, 1833

CURTIS, 1833: Brit. Ent., 10: 444.

Type-species: *Molophilus brevipennis* CURTIS, 1833: l.c.: 444 (mon.) [= *ater* (MEIGEN, 1804)].

[See annotation under generic heading for *Erioptera* MEIGEN, 1803.]

Promolophilus ALEXANDER, 1966: see below as subgenus.

Subgenus **MOLOPHILUS** CURTIS, 1833

aduncus STARÝ, 1978: Acta ent. bohemoslov., 75: 344 (*Molophilus*). Type-locality: Bansko, near Damianitsa river (Bulgaria).—Distr.: Europe: BG, E; USSR: TC (Ge), SMA (southeast).

aequirama SAVCHENKO, 1982: Vestn. zool., 1982(4): 81 (*Molophilus*, as new name for *Molophilus aequistylus* SAVCHENKO, 1979, a junior primary homonym of *Molophilus aequistylus* ALEXANDER, 1927).—Distr.: USSR: TC (northwest).

aequistylus SAVCHENKO, 1979: Dokl. Akad. Nauk ukr. RSR (B), 1979: 683 (*Molophilus*). Type-locality: Myussera, Pitsunda nature reserve, Abkhaz ASSR (USSR: Ge).

albireo ALEXANDER, 1932: Philipp. J. Sci., 49: 131 (*Molophilus*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).

albobalteratus ALEXANDER, 1925: Ann. ent. Soc. Am., 17: 435 (*Molophilus*). Type-locality: Mt. Takao, Musashi-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu).

alexanderianus NIELSEN, 1963: Stuttg. Beitr. Naturk., No 118: 7 (*Molophilus*). Type-locality: Paghman (Afghanistan).—Distr.: USSR: KZ, SMA (Ki, Tj); Asia: Afghanistan.

antares ALEXANDER, 1932: Philipp. J. Sci., 49: 403 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

anthracinus LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, 50: 17 (*Molophilus*). Type-locality: Korab (Albania).—Distr.: Europe: A, AL.

apicidentatus ALEXANDER, 1955: Philipp. J. Sci., 83: 301 (*Molophilus*). Type-locality: Omogo valley, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

appendiculatus (STAEGER, 1840): Naturh. Tidsskr., 3: 55 (*Erioptera*). Type-locality: not given (Denmark).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E, F, GB, H, I, IRE, L, N, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET, SET (west), WS (Altai).

armatus DE MEIJERE, 1918: Tijdschr. Ent., 61: 130 (*Molophilus*). Type-locality: not given (The Netherlands).

armatissimus BANGERTER, 1947: Mitt. schweiz. ent. Ges., 20: 360 (*Molophilus*). Type-locality: Schüpfenfluh (Switzerland).

- ariel** ALEXANDER, 1932: Philipp. J. Sci., **49**: 402 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- ater** (MEIGEN, 1804): Klass. Beschr., **1**: 50 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CS, D, DDR, DK (incl. Faeroes), F (incl. Corsica), GB, H, IRE, N, NL, PL, R, S, SF; USSR: NET, CET, SET, WS (south), ES (south).
- eriopterus** (FABRICIUS, 1805): Syst. antl.: 33 (*Tipula*). Type-locality: not given.
- brevipennis** CURTIS, 1833: Brit. Ent., **10**: 444 (*Molophilus*). Type-locality: Red Skrees, between Ambleside and Ullswater (Great Britain).
- limnophilaeformis** (NOWICKI in BEUTHIN, 1887): Verh. Ver. naturw. Heimatforsch., Hamburg, **6**: 56 (*Rhinoptila*). Type-locality: near Hamburg [D].
- atrostylus** SAVCHENKO, 1978: Ent. Obozr., **57**: 413 (*Molophilus*). Type-locality: Sakalto (USSR: Ge).—Distr.: USSR: TC (west), SMA (southeast).
- avidus** ALEXANDER, 1940: Philipp. J. Sci., **71**: 73 (*Molophilus*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.
- babanus** ALEXANDER, 1957: Philipp. J. Sci., **85**: 382 (*Molophilus*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- baezi** THEOWALD, 1981: Bull. zool. Mus. Univ. Amsterdam, **8**: 47 (*Molophilus*). Type-locality: Meriga, Gomera (Canary Is).—Distr.: Canary Is, Madeira.
- bardus** ALEXANDER, 1934: Philipp. J. Sci., **53**: 296 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- bidigitifer** SAVCHENKO, 1976: Ent. Obozr., **55**: 449 (*Molophilus*). Type-locality: near Lodididziri near Goderdzi pass, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: USSR: TC (southwest), SMA (southeast).
- bifidus** GOETGHEBUER in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., **2**: 135 (*Molophilus*). Type-localities: Rouge-Cloître; Forêt de Soignes; Virton (Belgium).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, I, IRE, L, N, NL, PL, R, S, YU; USSR: CET (northwest), SET (Uk); Asia: Iran.
- bihamatus** DE MEIJERE, 1918: Tijdschr. Ent., **61**: 131 (*Molophilus*). Type-locality: not given (The Netherlands).—Distr.: Europe: A, B, BG, CS, D, DK, GB, IRE, NL, PL, S; USSR: NET (southwest), CET (northwest).
- bischofi** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 18 (*Molophilus*). Type-locality: Wienerwald (Austria).—Distr.: Europe: A, CH, CS, D.
- brevihamatus** BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 363 (*Molophilus*). Type-locality: Sensetal (Switzerland).—Distr.: Europe: A, BG, CH, CS, D, DDR, YU; USSR: SET (Carpathians).
- carstensis** STARÝ, 1971: Annotnes zool.-bot. Bratisl., **70**: 2 (*Molophilus*). Type-locality: Hacavská valley, Slovakian Karst (Czechoslovakia).—Distr.: Europe: CS, D, R.
- cinereifrons** DE MEIJERE, 1920: Tijdschr. Ent., **63**: 59 (*Molophilus*, fig. as *griseifrons*). Type-localities: Linschoten; Houthem; Valkenburg; Nieuwersluis (The

- Netherlands).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, IRE, NL, PL, R, S, SF; USSR: NET (southwest), CET (west), SET (west).
- claessoni** MENDL, 1986: *Articulata*, **2**: 235 (*Molophilus*). Type-locality: Kakopetros, Crete (Greece).—Distr.: Europe: GR (Crete).
- clavistylus** MENDL, 1979: *Spixiana*, **2**: 178 (*Molophilus*). Type-locality: 12 km E Pertuli (Greece).—Distr.: Europe: GR.
- corniger** DE MEIJERE, 1920: *Tijdschr. Ent.*, **63**: 64 (*Molophilus*). Type-locality: Valkenburg (The Netherlands).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, NL, PL, R, S, YU; USSR: NET (southwest), CET (west), SET (west).
- crassipygus** DE MEIJERE, 1918: *Tijdschr. Ent.*, **61**: 131 (*Molophilus*). Type-locality: not given (The Netherlands).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, IRE, NL, PL, R, S, SF; USSR: NET (west), CET (west), SET (west).
- ochrescens** EDWARDS, 1938: *Trans. Soc. Br. Ent.*, **5**: 148 (*Molophilus*). Type-localities: several localities in Argyllshire, Midlothian, Suffolk, Yorkshire (Great Britain).
- dentifer** AGRELL, 1945: *Opusc. ent.*, **10**: 22 (*Molophilus*). Type-locality: Hyllestofta, Skåne (Sweden).
- crassulus** ALEXANDER, 1934: *Philipp. J. Sci.*, **53**: 295 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- crimensis** SAVCHENKO, 1976: *Ent. Obozr.*, **55**: 448 (*Molophilus*). Type-locality: near Khir Alan cordon, floodplain of Alma river, Chatyr Dag, Crimea (USSR).—Distr.: USSR: SET (Crimea, southeast).
- curvatus** TONNOIR in GOETGHEBUER and TONNOIR, 1920: *Bull. Soc. ent. Belg.*, **2**: 136 (*Molophilus*). Type-locality: Forêt de Soignes, Brussels district (Belgium).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, I, NL, PL, R, S, YU; USSR: SET (Uk).
- dentatus** BANGERTER, 1947: *Mitt. schweiz. ent. Ges.*, **20**: 362 (*Molophilus*). Type-locality: Sensetal (Switzerland).
- cygnus** ALEXANDER, 1932: *Philipp. J. Sci.*, **49**: 132 (*Molophilus*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- czizeki** LACKSCHEWITZ in CZIŽEK, 1931: *Z. mähr. Landesmus.*, **28**: 94 (*Molophilus*). Type-localities: Moravia: Adamstal [= Adamov]; Karthaus [= Královo Pole, suburb of Brno] (Czechoslovakia) (invalid [holo]-type des. by LACKSCHEWITZ, 1940).—Distr.: Europe: A, B, BG, CS, GB, IRE, R; USSR: SET (Carpathians).
- daimio** ALEXANDER, 1953: *Philipp. J. Sci.*, **82**: 173 (*Molophilus*). Type-locality: Imanoyama, Tosa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- diferox** ALEXANDER, 1958: *Philipp. J. Sci.*, **86**: 325 (*Molophilus*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

- directidens** STARY, 1976: Annotnes zool.-bot. Bratisl., **112**: 4 (*Molophilus*). Type-locality: between Rilski Monastir and Partizanska Poljana (Bulgaria).—Distr.: Europe: BG.
- duplicatus** ALEXANDER, 1940: Lingnan Sci. J., **19**: 118 (*Molophilus*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- efferox** ALEXANDER, 1947: Ann. ent. Soc. Am., **40**: 370 (*Molophilus*). Type-locality: Kamikochi, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- ermolenkoi** SAVCHENKO, 1976: Dokl. Akad. Nauk ukr. RSR (B), **1976**: 373 (*Molophilus*). Type-locality: Mt. Pozhizhevskaya, Chernogory Mts (USSR: Uk).—Distr.: USSR: SET (Carpathians).
- facinus** ALEXANDER, 1940: Philipp. J. Sci., **71**: 71 (*Molophilus*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- ferox** ALEXANDER, 1931: Philipp. J. Sci., **44**: 365 (*Molophilus*). Type-locality: Mt. Norikura, Japanese Alps, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- flagellatus** STARY, 1976: Annotnes zool.-bot. Bratisl., **112**: 5 (*Molophilus*). Type-locality: Pirin, Begovica stream (Bulgaria).—Distr.: Europe: BG.
- flavus** GOETGHEBUER in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., **2**: 135 (*Molophilus*). Type-locality: Hockai (Belgium).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, I, IRE, N, NL, PL, R, S, SF; USSR: NET (southeast), SET (Uk).
- latihamatus* BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 361 (*Molophilus*). Type-locality: Selital (Switzerland).
- fluviatilis** BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 364 (*Molophilus*). Type-locality: Sensetal (Switzerland).—Distr.: Europe: A, CH, CS, D, PL, R, YU; USSR: SET (Carpathians).
- franzi** CASPERS, 1980: Spixiana, **3**: 137 (*Molophilus*). Type-locality: Röderbach near Thalfang, Hunsrück [D].—Distr.: Europe: D, DDR, F.
- furiosus** ALEXANDER, 1938: Philipp. J. Sci., **66**: 338 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- gracilipes** ALEXANDER, 1959: Ent. News, **70**: 51 (*Molophilus*). Type-locality: west side of Sonora pass, along middle fork of Stanislaus river, Tuolumne Co., California (USA).—Distr.: USSR: FE (Chukotka); Nearctic Region.
- griseus** (MEIGEN, 1804): Klass. Besch., **1**: 51 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, CS, D, DDR, DK, E, F (incl. Corsica), GB, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (west), SET (west), TC; Asia: ?Israel; Canary Is.
- bifilatus* VERRALL, 1886: Entomologist's mon. Mag., **22**: 199 (*Molophilus*). Type-locality: not given (Great Britain).
- testaceus* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 22 (*Molophilus*, as var. of *bifilatus*). Type-locality: Albarracin (Spain).

- ripicolus* GACHET, 1967: Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, **57/58**: 51 (*Molophilus*). Type-locality: L'étang de Brié, near Grenoble (France).
- hyrcanus* SAVCHENKO, 1978: Ent. Obozr., **57**: 403 (*Molophilus*). Type-locality: between Lerik and Orand-chay, Talysh (USSR: Az).—Distr.: USSR: TC (Az).
- incurvus* MENDL, 1979: Spixiana, **2**: 179 (*Molophilus*). Type-locality: upper reaches of Neto river, Sila Grande (Italy).—Distr.: Europe: I.
- inimicus* ALEXANDER, 1935: Philipp. J. Sci., **57**: 223 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- ishizuchianus* ALEXANDER, 1954: Philipp. J. Sci., **82**: 304 (*Molophilus*). Type-locality: Joju, Mt. Ishizuchi, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- itoanus* ALEXANDER, 1953: Philipp. J. Sci., **82**: 73 (*Molophilus*). Type-locality: Mt. Tsurugi, Sugeoi, Awa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- iyuanus* ALEXANDER, 1953: Philipp. J. Sci., **82**: 175 (*Molophilus*). Type-locality: Okadamura, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- kallemuelleri* MENDL, 1984: Articulata, **2**: 101 (*Molophilus*). Type-locality: below Manolates, Samos (Greece).—Distr.: Europe: Greece (Samos).
- kiushiuensis* ALEXANDER, 1941: Philipp. J. Sci., **73**: 416 (*Molophilus*). Type-locality: Mt. Fugan, Kyushu (Japan).—Distr.: Asia: Japan (Honshu, Kyushu).
- klementi* MENDL, 1973: NachrBl. bayer. Ent., **22**: 68 (*Molophilus*). Type-locality: Kreuzthal-Eisenbach, Westallgäu [D].—Distr.: Europe: A, CH, D, R.
- kotenkoi* SAVCHENKO, 1986: Vestn. zool., **1986**(1): 29 (*Molophilus*). Type-locality: Khumbosyrt, Chegem river, Kabardino-Balkarsk ASSR (USSR).—Distr.: USSR: SET (Caucasus).
- lackschewitzianus* ALEXANDER, 1953: Rec. Indian Mus., **50**: 327 (*Molophilus*, as new name for *Molophilus hastatus* LACKSCHEWITZ, 1940, a junior primary homonym of *Molophilus hastatus* ALEXANDER, 1927).—Distr.: Europe: A, BG, CH, CS, D, GB, IRE, PL, YU; USSR: SET (Carpathians, southeast).
- hastatus* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 20 (*Molophilus*). Type-locality: Steinbrück (Austria).
- lackschewitzianus hebetatus* SAVCHENKO, 1976: Ent. Obozr., **55**: 446 (*Molophilus*). Type-locality: near Khino, Kobuleti district, Adzhara-Imeretin Mts (USSR: Ge).—Distr.: USSR: TC (Ge, Arm).
- lanceolatus* STARÝ, 1971: Annotnes zool.-bot. Bratisl., **70**: 4 (*Molophilus*). Type-locality: near Bansko, Benderica valley, Pirin Mts (Bulgaria).—Distr.: Europe: BG.
- lautereri* STARÝ, 1974: Cas. morav. Mus. Brne, **58**: 117 (*Molophilus*). Type-locality: south of Mt. Kovatsch, Rila Mts (Bulgaria).—Distr.: Europe: BG.
- lobiferus* ALEXANDER, 1925: Proc. U.S. natn. Mus., **68**(4): 11 (*Molophilus*). Type-locality: Olga, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- longistylus* SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 101 (*Molophilus*).

- Type-localities: South Sakhalin, and several localities in Kunashir and Shikotan (USSR) (invalid holotype des. by SAVCHENKO, 1978).—Distr.: USSR: FE (Sakhalin, Kuril Is).
- macracanthus** SAVCHENKO, 1983: Limoniidae of south Primorye: 89 (*Molophilus*). Type-locality: Primorskiy, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- maurus** LACKSCHEWITZ, 1925: Arb. NaturfVer. Riga (N.F.), 16: 4 (*Molophilus*). Type-locality: "Bathensche Talschlucht (Kurl.)" [= Bata] (USSR: La).—Distr.: Europe: CS; USSR: NET (southwest), CET (northwest).
- medius** DE MEIJERE, 1918: Tijdschr. Ent., 61: 131 (*Molophilus*). Type-locality: not given (The Netherlands).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (? incl. Corsica), GB, N, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (northwest), SET (Uk).
- memnon** ALEXANDER, 1971: Trans. Shikoku ent. Soc., 11: 13 (*Molophilus*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- monacanthus** ALEXANDER, 1940: Philipp. J. Sci., 71: 70 (*Molophilus*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- monstrosus** MENDL, 1974: Fragm. ent., Roma, 9: 218 (*Molophilus*). Type-locality: near Bagnaia, E of Viterbo, Lazio (Italy).—Distr.: Europe: I (central).
- montanus** MENDL, 1973: Opusc. zool., 123: 4 (*Molophilus*). Type-locality: Tacht i Suleiman, Särda valley (Vandarban), Elburs Mts (Iran).—Distr.: Asia: Iran.
- multilobatus** SAVCHENKO, 1976: Ent. Obozr., 55: 440 (*Molophilus*). Type-locality: near Malo-Kurilsk, Shikotan, Kuril Is (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).
- nakamurai** ALEXANDER, 1933: Philipp. J. Sci., 51: 403 (*Molophilus*). Type-locality: Mt. Shirouma, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- nesioticus** ALEXANDER, 1953: Philipp. J. Sci., 82: 176 (*Molophilus*). Type-locality: Mt. Tsurugi, Awa, Otai, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- niger** GOETGHEBUER in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., 2: 137 (*Molophilus*). Type-localities: Vinderhoute; Nukerke; Grimbergen; Linkebeek; Leuw St-Pierre (Belgium).—Distr.: Europe: A, B, CH, CS, D, DDR, F, GB, PL, R, YU; USSR: SET (Uk).
- nigrescens** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, 50: 17 (*Molophilus*). Type-locality: Algeciras (Spain).—Distr.: Europe: E.
- nocticolor** ALEXANDER, 1953: Philipp. J. Sci., 82: 177 (*Molophilus*). Type-locality: Totidani, near Yanase, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- nodicornis** LACKSCHEWITZ, 1935: Natuurh. Maandbl., 24: 12 (*Molophilus*). Type-locality: Wölfelsgrund [= Miedzygorze], Silesia (Poland).—Distr.: Europe: CS, PL.

- nodulifer** SAVCHENKO, 1978: Ent. Obozr., **57**: 399 (*Molophilus*). Type-locality: 132 km from Batumi, Goderdzi pass toward Adigeni, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: USSR: SET (Caucasus), TC.
- obscurus** (MEIGEN, 1818): Syst. Besch., **1**: 113 (*Erioptera*). Type-locality: not given (?near Stolberg [DJ]).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, E, F (incl. Corsica), GB, GR (incl. Crete), H, I, IRE, NL, PL, R, S, SF, YU; USSR: NET (south), CET, SET, TC; Asia: Lebanon.
- crassipes** (CURTIS, 1835): Brit. Ent., **12**: 557 (*Erioptera*). Type-locality: Scotland (Great Britain).
- obsoletus** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 24 (*Molophilus*). Type-locality: Mussalah [= Musala], Rila (Bulgaria).—Distr.: Europe: BG, R.
- occultus** DE MEIJERE, 1918: Tijdschr. Ent., **61**: 131 (*Molophilus*). Type-locality: Vlodrop (The Netherlands).—Distr.: Europe: B, CS, D, DDR, DK, E, F, GB, IRE, NL, PL, S.
- falciger** GOETGHEBUER in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., **2**: 135 (*Molophilus*). Type-locality: Hockai (Belgium).
- ochraceus** (MEIGEN, 1818): Syst. Besch., **1**: 114 (*Erioptera*). Type-locality: not given (?near Stolberg [DJ]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, ?GR (?Crete), H, I, IRE, NL, PL, R, S, SF; USSR: NET (southwest), CET (west), SET, TC.
- okadai** ALEXANDER, 1936: Philipp. J. Sci., **60**: 201 (*Molophilus*). Type-locality: Sapporo, Ishikari, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido).
- oldenbergi** LACKSCHEWITZ, 1935: Natuurh. Maandbl., **24**: 9 (*Molophilus*). Type-locality: Vallombrosa (Italy).—Distr.: Europe: I.
- pallidipes** ALEXANDER, 1975: JI N.Y. ent. Soc., **83**: 126 (*Molophilus*). Type-locality: Pul-i-Zoghal (Iran).—Distr.: Asia: Iran.
- pallipennis** (MACQUART, 1834): Hist. nat. Ins., Dipt., **1**: 112 (*Erioptera*). Type-locality: Bordeaux (France).—Distr.: Europe: F.
- palpifer** SAVCHENKO, 1976: Ent. Obozr., **55**: 444 (*Molophilus*). Type-locality: near Mleti, southern slopes of Krestoviy pass (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- paucispinus** ALEXANDER, 1957: Philipp. J. Sci., **85**: 385 (*Molophilus*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- pauper** SAVCHENKO, 1978: Ent. Obozr., **57**: 409 (*Molophilus*). Type-locality: southern slopes of Krestoviy pass (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- pegasus** ALEXANDER, 1913: Can. Ent., **45**: 291 (*Molophilus*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- perferox** ALEXANDER, 1957: Philipp. J. Sci., **85**: 383 (*Molophilus*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

- perflaveolus** ALEXANDER, 1918: Can. Ent., **50**: 160 (*Molophilus*). Type-locality: Fieldbrook, California (USA).—Distr.: Asia: Japan (Honshu); Nearctic Region.
- pictifemoratus** ALEXANDER, 1933: Philipp. J. Sci., **51**: 402 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pictitibia** ALEXANDER, 1969: Trans. Shikoku ent. Soc., **10**: 40 (*Molophilus*). Type-locality: Mt. Kunimi, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- pieltaini** EDWARDS, 1938: Trans. Soc. Br. Ent., **5**: 141 (*Molophilus*). Type-locality: Sierra de Guadarrama (Spain).—Distr.: Europe: E.
- pleuralis** DE MEIJERE, 1920: Tijdschr. Ent., **63**: 60 (*Molophilus*). Type-localities: Amsterdam; Diemen; Haarlem; Abcoude; Hilversum; Uitgeest; Leimuiden; Zwammerdam (The Netherlands).—Distr.: Europe: A, B, CS, D, DDR, DK, F (Corsica), GB, H, IRE, NL, PL, R, S; USSR: CET (Li, By), SET, TC, KZ (Zailiyskiy Alatau), SMA (Tj, Ki), ES (Taymyr), FE (Wrangel Is); Asia: Iran, Afghanistan.
- pleurolineatus** STARÝ, 1971: Cas. morav. Mus. Brne, **55**: 181 (*Molophilus*). Type-locality: Ain Draham (Tunisia).—Distr.: North Africa: Tunisia.
- politonigrus** SAVCHENKO, 1983: Vestn. zool., **1983**(1): 52 (*Molophilus*, as subsp. of *tjederi* STARÝ). Type-locality: Khosrovskiy nature reserve (USSR: Arm).—Distr.: USSR: TC (Arm).
- polycanthus** ALEXANDER, 1936: Philipp. J. Sci., **59**: 254 (*Molophilus*). Type-locality: Kibune, Kyoto pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- ponticus** SAVCHENKO, 1982: Fauna Ukrainy, **14**(3): 212 (*Molophilus*). Type-locality: northern slopes of Chatyr Dag, Crimea (USSR).—Distr.: USSR: SET (Crimea), TC (Ge, Az).
- priapoides** STARÝ, 1971: Acta ent. bohemoslov., **68**: 96 (*Molophilus*). Type-locality: Rejvíz, Jeseníky Mts, Moravia (Czechoslovakia).—Distr.: Europe: A, BG, CH, CS, D, F.
- priapus** LACKSCHEWITZ, 1935: Natuurh. Maandbl., **24**: 12 (*Molophilus*). Type-locality: Gesäuse, Styria (Austria).—Distr.: Europe: A, CS; USSR: SET (Carpathians).
- propinquus** (EGGER, 1863): Verh. zool.-bot. Ges. Wien, **13**: 1105 (*Erioptera*). Type-locality: Austria.—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, E, F, GB, GR (incl. Samos), H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET(west, northeast), CET (west), SET, TC, WS (south), ES (south), FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Turkey; North Africa: Morocco.
- opacus* (MEIGEN, 1830): Syst. Besch., **6**: 273 (*Erioptera*). Type-locality: not given ("von Herrn Wiedemann"). [A questionable senior synonym.]
- gladius* DE MEIJERE, 1920: Tijdschr. Ent., **63**: 62 (*Molophilus*). Type-locality: not given (The Netherlands).
- obscurus* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 23 (*Molophilus*, as var. of *propinquus*). Type-locality: Albarracin (Spain).

- propinquus debilispinus** ALEXANDER, 1957: Philipp. J. Sci., **85**: 385 (*Molophilus*, as subsp. of *triacanthus*). Type-locality: Yoshikiya, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- propinquus triacanthus** ALEXANDER, 1934: Philipp. J. Sci., **53**: 294 (*Molophilus*, as species). Type-locality: Yumoto, Shimotsuke, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea, Japan (Honshu, Shikoku).
- proximus** MENDL, 1979: Spixiana, **2**: 182 (*Molophilus*). Type-locality: Archipolis, Rodhos (Greece).—Distr.: Europe: GR (Rodhos).
- pseudopropinquus** MENDL, 1973: NachrBl. bayer. Ent., **22**: 71 (*Molophilus*). Type-locality: Ochsentobel, Kürnach near Kempten [D].—Distr.: Europe: CH, CS, D, F, R.
- pullus** LACKSCHEWITZ, 1927: KorrespBl. NaturfVer. Riga (N.F.), **59**: 9 (*Molophilus*). Type-locality: Kandau (USSR: La).—Distr.: Europe: A, CH, CS, D, R, YU; USSR: CET (northwest).
- mystrophorus** BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 365 (*Molophilus*). Type-locality: Sensetal (Switzerland).
- pusillus** EDWARDS, 1921: Trans. R. ent. Soc. Lond., **1921**: 214 (*Molophilus*). Type-locality: Dregghorn, Ayrshire (Great Britain).—Distr.: Europe: GB, IRE.
- repentinus** STARY, 1971: Cas. morav. Mus. Brne, **55**: 183 (*Molophilus*). Type-locality: Adamov, Moravia (Czechoslovakia).—Distr.: Europe: A, CH, CS, D, F, R; USSR: SET (Carpathians).
- savtshenkoi** STARY, 1972: Annotnes zool.-bot. Bratisl., **81**: 3 (*Molophilus*). Type-locality: Rejvíz, Jeseníky Mts, Moravia (Czechoslovakia).—Distr.: Europe: CS, R; USSR: SET (Carpathians).
- scutellatus** GOETGHEBUER, 1929: Bull. Ann. Soc. ent. Belg., **69**: 240 (*Molophilus*). Type-locality: Col du Lautaret (France).—Distr.: Europe: A, BG, CH, CS, D, DDR, F, I, PL, R; USSR: SET (Carpathians).
- rothschildi** EDWARDS, 1938: Trans. Soc. Br. Ent., **5**: 141 (*Molophilus*). Type-locality: Lautaret, Haut Dauphiné (France).
- flavoscutellatus** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 16 (*Molophilus*). Type-locality: Heiligenblut (Austria).
- sericatus** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 68 (*Molophilus*). Type-locality: Jozankei, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- serpentiger** EDWARDS, 1938: Trans. Soc. Br. Ent., **5**: 147 (*Molophilus*). Type-localities: several localities in Beds, Devon, Flintshire, Hants, Herts, Kerry, Renfrew, Surrey, Sussex, Westmorland (Great Britain).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, H, I, IRE, NL, PL, R, S; USSR: CET (southwest), SET (Uk).
- serratus** SAVCHENKO, 1976: Ent. Obozr., **55**: 441 (*Molophilus*). Type-locality: cape Kray Sveta, Shikotan, Kuril Is (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).

- spinifer** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 21 (*Molophilus*).
Type-locality: Osogova Planina (Bulgaria).—Distr.: Europe: BG, R.
- stroblianus** NIELSEN, 1953: Z. wien. ent. Ges., **38**: 36 (*Molophilus*). Type-locality: near Admont (Austria).—Distr.: Europe: A, CS, D, YU.
- stroblianus decoloratus** SAVCHENKO, 1978: Ent. Obozr., **57**: 409 (*Molophilus*). Type-locality: near Bokovo-Antratsit, Voroshilovgrad obl. [= Donetskaya obl.] (USSR: Uk).—Distr.: USSR: SET (Uk, southeast), TC.
- subgriseus** SAVCHENKO, 1976: Ent. Obozr., **55**: 446 (*Molophilus*). Type-locality: Archivan, Astara district, Talysh (USSR: Az).—Distr.: USSR: TC (southeast).
- subochraceus** SAVCHENKO, 1976: Ent. Obozr., **55**: 443 (*Molophilus*). Type-locality: near Bakhmaro, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- takaoensis** ALEXANDER, 1933: Philipp. J. Sci., **51**: 404 (*Molophilus*). Type-locality: Mt. Takao, Musashi, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- tetragonus** ALEXANDER, 1934: Philipp. J. Sci., **54**: 339 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- tjederi** STARYĚ, 1968: Acta ent. bohemoslov., **65**: 239 (*Molophilus*). Type-locality: at margin of Slaná river, Plesivec, Slovakia (Czechoslovakia).—Distr.: Europe: CS, R; USSR: SET (Carpathians).
- tricuspidatus** MENDL, 1979: Spixiana, **2**: 183 (*Molophilus*). Type-locality: Dirfis Mts, Euboea (Greece).—Distr.: Europe: GR.
- trifilatus** ALEXANDER, 1920: Trans. Am. ent. Soc., **46**: 9 (*Molophilus*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- tseni** ALEXANDER, 1940: Philipp. J. Sci., **71**: 200 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- undulatus** TONNOIR in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., **2**: 136 (*Molophilus*). Type-localities: Buysinghen; Virton (Belgium).—Distr.: Europe: A, B, CH, CS, D, DDR, F, GB, PL, R; USSR: SET (west).
- uniclavatus** ALEXANDER, 1938: Philipp. J. Sci., **66**: 339 (*Molophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- urodontus** SAVCHENKO, 1978: Ent. Obozr., **57**: 403 (*Molophilus*). Type-locality: north slopes of Avash pass near Chayuzы, Talysh (USSR: Az).—Distr.: USSR: TC, SMA (Tu).
- urodontus brachyurus** SAVCHENKO, 1978: Ent. Obozr., **57**: 406 (*Molophilus*). Type-locality: north slope of Tskhra-Tskaro pass, Trialeti Mts (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- urodontus cephaliger** SAVCHENKO, 1978: Ent. Obozr., **57**: 407 (*Molophilus*). Type-locality: Angara pass, Chatyr Dag, Crimea (USSR).—Distr.: USSR: SET (Crimea).

- vafer** LACKSCHEWITZ, 1940: *Annln naturh. Mus. Wien*, **50**: 25 (*Molophilus*).
Type-locality: Becharré (Lebanon).—Distr.: Europe: CS, D, GR (incl. Crete),
R; USSR: SET (Carpathians); Asia: Lebanon.
- unguifer** STARÝ, 1978: *Acta ent. bohemoslov.*, **75**: 346 (*Molophilus*). Type-locality: Tatranská Kotlina, Belá valley, Belanské Tatry, Slovakia (Czechoslovakia).
- variispinus** STARÝ, 1971: *Cas. morav. Mus. Brne*, **55**: 187 (*Molophilus*). Type-locality: Adamov, Moravia (Czechoslovakia).—Distr.: Europe: CS, D, DDR, GB, PL.
- velvetus** ALEXANDER, 1926: *Philipp. J. Sci.*, **31**: 367 (*Molophilus*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

Subgenus PROMOLOPHILUS ALEXANDER, 1966

ALEXANDER, 1966: *Trans. Am. ent. Soc.*, **92**: 131 (as subgenus of *Molophilus* CURTIS, 1833).

Type-species: *Molophilus nitidus* COQUILLET, 1905: *Jl N.Y. ent. Soc.*, **13**: 58 (orig. des.); not Palaearctic.

- afghanicus** ALEXANDER, 1969: *Trans. Am. ent. Soc.*, **95**: 461 (*Molophilus*).
Type-locality: Pagmange Mts (Afghanistan).—Distr.: Asia: Afghanistan.
- albibasis** ALEXANDER, 1924: *Philipp. J. Sci.*, **24**: 581 (*Molophilus*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).
- apollyon** ALEXANDER, 1954: *Ann. Mag. nat. Hist.*, (12) **7**: 906 (*Molophilus*).
Type-locality: Kamdesch, Bashgul valley, Nuristan (Afghanistan).—Distr.: Asia: Afghanistan; Pakistan, India.
- avazhon** SAVCHENKO, 1976: *Ent. Obozr.*, **55**: 439 (*Molophilus*). Type-locality: Kondara gorge, Varzob river valley, Gissar Mts (USSR: Tj).—Distr.: USSR: KZ, SMA (Ki, Tj).
- avazon* SAVCHENKO: incorrect subsequent spelling.
- bilobulus** ALEXANDER, 1938: *Philipp. J. Sci.*, **66**: 474 (*Molophilus*). Type-locality: Pehlütting (Beh-Luh-Din), 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- nigropolitus** ALEXANDER, 1935: *Philipp. J. Sci.*, **56**: 559 (*Molophilus*). Type-locality: Kwanh sien, Sichuan (China).—Distr.: Asia: China (Sichuan).

Ormosia RONDANI, 1856

RONDANI, 1856: Dipt. Ital. Prodromus, 1: 180.

Type-species: *Erioptera nodulosa* MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, 1823-1824: 164 (orig. des.).

Ilisomyia RONDANI, 1856: Dipt. Ital. Prodromus, 1: 180. Type-species: *Ilisomyia nubipennis* RONDANI, 1856: l.c.: 180 (orig. des.).

Oreophila LACKSCHEWITZ, 1935: see below as subgenus.

Parormosia ALEXANDER, 1965: see below as subgenus.

Subgenus OREOPHILA LACKSCHEWITZ, 1935

LACKSCHEWITZ, 1935: Tromsø Mus. Årsh., (4) 53(4): 7 (as genus).

Type-species: *Rhypholophus bergrothi* STROBL, 1895: Mitt. naturw. Ver. Steierm., 31: 227 (orig. des.).

bergrothi (STROBL, 1895): Mitt. naturw. Ver. Steierm., 31: 227 (*Rhypholophus*).

Type-locality: alpine meadows of Kalbling (Austria).—Distr.: Europe: A, CS, I, YU (north); USSR: ?NET/WS (?Polar Ural).

confluenta ALEXANDER, 1922: Insecutor Inscit. menstr., 10: 182 (*Ormosia*). Type-locality: Mt. Minomo, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku).

longicornis SAVCHENKO, 1980: Ent. Obozr., 59: 396 (*Ormosia*). Type-locality: Talgar gorge, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau).

sootryeni (LACKSCHEWITZ, 1935): Tromsø Mus. Årsh., (4) 53(4): 8 (*Oreophila*).

Type-locality: Røsvik (Norway).—Distr.: Europe: N, S; USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea, Japan (Honshu).

ducalis ALEXANDER, 1938: Philipp. J. Sci., 67: 162 (*Ormosia*). Type-locality: Ompo (North Korea).

subducalis ALEXANDER, 1940: Philipp. J. Sci., 71: 197 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

weymarni ALEXANDER, 1950: Ann. ent. Soc. Am., 43: 434 (*Ormosia*). Type-locality: Kaolingtze, Manchuria (China).—Distr.: Asia: North Korea, China (northeast).

yankovskyi ALEXANDER, 1940: Philipp. J. Sci., 71: 59 (*Ormosia*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.

Subgenus ORMOSIA RONDANI, 1856

- aciculata** EDWARDS, 1921: Trans. R. ent. Soc. Lond., 1921: 217 (*Ormosia*). Type-locality: Stonesdale, Yorks (Great Britain).—Distr.: Europe: A, CH, CS, D, F, GB, PL, R; USSR: NET (southwest), CET (northwest), SET (Uk, Mo).
- aculeata** ALEXANDER, 1924: Ann. ent. Soc. Am., 17: 65 (*Ormosia*). Type-locality: Mt. Takao, Musashi-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- affinis** (LUNDBECK, 1898): Vidensk Meddr dansk naturh. Foren., (5) 10: 266 (*Rhypholophus*). Type-localities: Tunugdliarfikfjord; Sermiligarssukfjord; Neriafjord; Ivigtut (Greenland) (lectotype and type-locality [Ivigtut] des. by TJEDER, 1970).—Distr.: USSR: FE (Sakhalin, Kuril Is); Nearctic Region.
- [*manicata* (DOANE, 1900): Jl N.Y. ent. Soc., 8: 187 (*Rhypholophus*). Type-locality: Collins, Idaho (USA).]
- [*modica* DIETZ, 1916: Trans. Am. ent. Soc., 42: 141 (*Ormosia*). Type-locality: Sonoma Co., California (USA).]
- [*deviata* DIETZ, 1916: Trans. Am. ent. Soc., 42: 143 (*Ormosia*). Type-locality: Hazleton, Pennsylvania (USA).]
- [*stylifer* ALEXANDER, 1919: Insecutor Inscit. menstr., 7: 146 (*Ormosia*). Type-locality: Forest Grove, Washington Co., Oregon (USA).]
- [*fuscopyga* ALEXANDER, 1924: Proc. U.S. natn. Mus., 64: 3 (*Ormosia*). Type-locality: Clio, Plumas Co., California (USA).]
- subdeviata* ALEXANDER, 1924: Philipp. J. Sci., 24: 586 (*Ormosia*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).
- affixa** ALEXANDER, 1936: Philipp. J. Sci., 60: 198 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- albitibia** EDWARDS, 1921: Trans. R. ent. Soc. Lond., 1921: 217 (*Ormosia*). Type-locality: Church Stretton (Great Britain).—Distr.: Europe: A, B, BG, CH, CS, D, F, GB, PL, R; USSR: SET (west).
- alexanderi** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 95 and 96 (*Ormosia*). Type-locality: Alekhino, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- amakazarii** ALEXANDER, 1958: Philipp. J. Sci., 86: 318 (*Ormosia*). Type-locality: Mt. Amakazari, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- amicorum** SAVCHENKO et TOMOV, 1975: Dokl. Akad. Nauk ukr. RSR (B), 1975: 950 (*Ormosia*). Type-locality: Chernatitsa Mts, Rodopi Mts (Bulgaria).—Distr.: Europe: BG.
- auricosta** ALEXANDER, 1933: Philipp. J. Sci., 50: 156 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- autumna** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 95 and 98 (*Ormosia*). Type-locality: near Mendeleyevo, west slopes of volcano Mendeleyev, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).

- baldensis** MENDL, 1974: NachrBl. bayer. Ent., **23**: 13 (*Ormosia*). Type-locality: Torro Sorna near St. Giacomo, Monte Baldo, Trentino-Alto Adige (Italy).—Distr.: Europe: I, R.
- beatifica** ALEXANDER, 1938: Philipp. J. Sci., **66**: 335 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- biannulata** ALEXANDER, 1936: Philipp. J. Sci., **59**: 250 (*Ormosia*). Type-locality: Beh-Luh-Din, 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- bicornis** (DE MEIJERE, 1920): Tijdschr. Ent., **62**: 167 (*Rhypholophus*, as new name for *Rhypholophus cornutus* DE MEIJERE, 1918, a junior primary homonym of *Rhypholophus cornutus* DOANE, 1908).—Distr.: Europe: B, CS, D, F, GB, NL, YU; USSR: SET (Crimea).
cornuta (DE MEIJERE, 1918): Tijdschr. Ent., **61**: 130 (*Rhypholophus*). Type-locality: Linschoten (The Netherlands).
- bifida** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 31 (*Rhypholophus*). Type-locality: Göll, Salzburg (Austria).—Distr.: Europe: A, BG, CH, CS, D, DDR, F, I, PL, R, YU; USSR: SET (Carpathians).
- bihamata** LACKSCHEWITZ, 1935: Natuurh. Maandbl., **24**: 12 (*Ormosia*). Type-locality: Macugnaga (Italy).—Distr.: Europe: A, CH, CS, I.
armata BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 359 (*Ormosia*). Type-locality: Gantrisch region (Switzerland).
- brevinervis** (LUNDSTRÖM, 1907): Acta Soc. Fauna Flora fenn., **29**(8): 12 (*Rhypholophus*). Type-localities: Kilpisjärvi (Finland); Kola peninsula (USSR) (the first by lectotype des. of TJEDER, 1965).—Distr.: Europe: S, SF; USSR: NET, CET (Li).
- caucasica** SAVCHENKO, 1973: Ent. Obozr., **52**: 452 (*Ormosia*). Type-locality: near Krivenkovskaya, Tuapse district, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast), TC (Ge).
- clavata** (TONNOIR in GOETGHEBUER and TONNOIR, 1920): Bull. Soc. ent. Belg., **2**: 140 (*Rhypholophus*). Type-locality: Virton, Jura (Belgium).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, F, PL, R, S, SF; USSR: NET (southwest), CET (northwest), SET (Carpathians).
- cornutoides** ALEXANDER, 1940: Philipp. J. Sci., **71**: 60 (*Ormosia*). Type-locality: Ompo (North Korea).—Distr.: Asia: North Korea.
- croatica** STARYĚ, 1971: Cas. morav. Mus. Brne, **55**: 170 (*Ormosia*). Type-locality: Vaganjski Vrh, Croatia (Yugoslavia).—Distr.: Europe: YU.
- curvispina** ALEXANDER, 1936: Philipp. J. Sci., **60**: 354 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- cuspidata** SAVCHENKO, 1973: Ent. Obozr., **52**: 448 (*Ormosia*). Type-locality: near Lodidziri, near Goderdzi pass, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: USSR: SET (southeast), TC (southwest).
- decorata** ALEXANDER, 1940: Philipp. J. Sci., **71**: 199 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

- defessa** ALEXANDER, 1938: Philipp. J. Sci., **66**: 335 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- depilata** EDWARDS, 1938: Trans. Soc. Br. Ent., **5**: 134 (*Ormosia*). Type-localities: Arran; Cheshire; Cornwall; Hants; Nairn; Ross; Salop; Sutherland; Yorkshire (Great Britain).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, I, NL, PL, R, S, SF; USSR: NET (southwest), CET (northwest), SET (Uk).
- dicax** ALEXANDER, 1947: Ann. ent. Soc. Am., **40**: 369 (*Ormosia*). Type-locality: Hamasaka, Hyogo pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- echigoensis** ALEXANDER, 1957: Philipp. J. Sci., **85**: 381 (*Ormosia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- egena** (BERGROTH, 1891): Mitt. naturf. Ges. Bern, **1890**: 131 (*Rhypholophus*). Type-locality: Weissenburg (Switzerland).—Distr.: Europe: A, AL, CH, CS, D, F, I, PL, YU; USSR: SET (Carpathians).
- fascipennis** (ZETTERSTEDT, [1838]): Insecta Lapp.: 831 (*Erioptera*). Type-localities: Tromsø (Norway); Greenland.—Distr.: Europe: A, AL, BG, CH, CS, D, DK, F, GR, H, I, IS, N, NL, PL, R, S, SF, YU; USSR: NET (incl. Novaya Zemlya), CET (northwest), SET, TC, WS (Tuva), ES (Taymyr, south), FE (Chukotka, Bering Is, Kuril Is); Asia: North Korea, Japan (Honshu); Nearctic Region.
- fuscipennis* (ZETTERSTEDT, 1837): Isis (Oken's), **1837**(1): 62 (*Erioptera*). Type-locality: not given (Sweden). [A junior primary homonym of *Erioptera fuscipennis* MEIGEN, 1818.]
- tephronota* (LOEW, 1873): Besch. europ. Dipt., **3**: 43 (*Rhypholophus*). Type-localities: Galizia (Poland); Pontresina; Rigi (Switzerland).
- helvetica* (LOEW, 1873): Besch. europ. Dipt., **3**: 45 (*Rhypholophus*). Type-locality: Chur (Switzerland).
- holtedahli* ALEXANDER, 1922: Results Norw. Exped. Novaya Zemlya, 1921, **5**: 4 (*Ormosia*). Type-locality: Admiralty peninsula, Novaya Zemlya (USSR).
- devota* ALEXANDER, 1940: Philipp. J. Sci., **71**: 55 (*Ormosia*). Type-locality: Seren Mts (North Korea).
- ontakeana* ALEXANDER, 1947: Ann. ent. Soc. Am., **40**: 367 (*Ormosia*). Type-locality: Mt. Ontake, Hida, southern Japanese Alps, Honshu (Japan).
- filifera** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 31 (*Rhypholophus*). Type-locality: Becharré (Lebanon).—Distr.: Asia: Lebanon.
- fixa** ALEXANDER, 1936: Philipp. J. Sci., **60**: 195 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- flavida** SAVCHENKO, 1973: Ent. Obozr., **52**: 442 (*Ormosia*). Type-locality: Kvak, Kondara river, Gissar Mts (USSR: Tj).—Distr.: USSR: SMA (Tj).
- fragmentata** ALEXANDER, 1940: Philipp. J. Sci., **71**: 62 (*Ormosia*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.

- fugitiva** ALEXANDER, 1935: Philipp. J. Sci., **57**: 222 (*Ormosia*). Type-locality: Wei Chow, 65 mi NW Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- furcata** SAVCHENKO, 1973: Ent. Obozr., **52**: 449 (*Ormosia*). Type-locality: near Lazarevskaya, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast).
- grahami** ALEXANDER, 1931: Philipp. J. Sci., **44**: 364 (*Ormosia*). Type-locality: Mupin, Sichuan (China).—Distr.: Asia: China (Sichuan); Burma, India.
- hartigi** MENDEL, 1973: Entomologica, **9**: 181 (*Ormosia*). Type-locality: near Gambarie, Aspromonte, Calabria (Italy).—Distr.: Europe: F (Corsica), I.
- hederae** (CURTIS, 1835): Brit. Ent., **12**: 557 (*Erioptera*). Type-locality: Suffolk (Great Britain).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK (incl. Faeroes), F (incl. Corsica), GB, IRE, IS, NL, PL, R, S; USSR: SET, TC (Ge, Az), SMA (Pamir).
- uncinata* (DE MEIJERE, 1918): Tijdschr. Ent., **61**: 130 (*Rhypholophus*). Type-locality: not given (The Netherlands).
- helifera** SAVCHENKO in SAVCHENKO and PARKHOMENKO, 1978: Vestn. zool., **1978**(1): 30 (*Ormosia*). Type-locality: Uryukty, southern slopes of Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki).
- horiana** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 69 (*Ormosia*). Type-locality: Mt. Wakasugi, Chikuzen-no-kuni, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- inaequispina** ALEXANDER, 1940: Philipp. J. Sci., **71**: 198 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- inaperta** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 95 (*Ormosia*). Type-locality: near Pravda, Kholmsk district, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).
- inflexa** SAVCHENKO, 1973: Ent. Obozr., **52**: 440 (*Ormosia*). Type-locality: Suputinka nature reserve, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- insolita** ALEXANDER, 1938: Philipp. J. Sci., **66**: 473 (*Ormosia*). Type-locality: Pehlütting (Beh-Luh-Din), 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- kamikochiae** ALEXANDER, 1947: Ann. ent. Soc. Am., **40**: 368 (*Ormosia*). Type-locality: Kamikochi, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- lackschewitzi** BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 357 (*Ormosia*). Type-locality: Sensetal (Switzerland).—Distr.: Europe: CH, I.
- laevistyla** ALEXANDER, 1933: Philipp. J. Sci., **50**: 155 (*Ormosia*). Type-locality: Kibunc, Kyoto pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).

- levanidovae** SAVCHENKO, 1983: Limoniidae of south Primorye: 84 (*Ormosia*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- lineata** (MEIGEN, 1804): Klass. Beschr., 1: 51 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, N, NL, PL, R, S, SF; USSR: NET (southwest), CET (west), SET (Uk).
- apparens** (WALKER, 1848): List Dipt. Brit. Mus., 1: 57 (*Limnobia*). Type-locality: England (Great Britain).
- distincta** (EGGER, 1863): Verh. zool.-bot. Ges. Wien, 13: 1105 (*Dasyptera*). Type-locality: Dornbach near Vienna (Austria).
- longispina** SAVCHENKO, 1983: Vestn. zool., 1983(1): 18 (*Ormosia*). Type-locality: Megradzor, Razdan district (USSR: Arm).—Distr.: USSR: TC (Arm).
- lotida** SAVCHENKO, 1973: Ent. Obozr., 52: 443 (*Ormosia*). Type-locality: southern slopes of Krestoviy pass (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- loxia** STARÝ, 1983: Annotnes zool.-bot. Bratisl., 154: 15 (*Ormosia*, as subsp. of *aciculata* EDWARDS). Type-locality: Hlubocky near Olomouc, Moravia (Czechoslovakia).—Distr.: Europe: CS, DDR.
- machidana** ALEXANDER, 1933: Philipp. J. Sci., 51: 401 (*Ormosia*). Type-locality: Mt. Shirouma, Shinano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- microstyla** SAVCHENKO, 1973: Ent. Obozr., 52: 451 (*Ormosia*). Type-locality: near Smolenskaya, Krasnodarskiy kray (USSR).—Distr.: Europe: BG; USSR: SET (Donetsk hills, southeast).
- moravica** STARÝ, 1969: Cas. morav. Mus. Brne, 54: 127 (*Ormosia*). Type-locality: Hrubá Vada near Olomouc, Moravia (Czechoslovakia).—Distr.: Europe: CS, PL, R; USSR: SET (Carpathians).
- multidentata** SAVCHENKO, 1973: Ent. Obozr., 52: 454 (*Ormosia*). Type-locality: near Yuzhno-Sakhalinsk, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).
- multidentata curvata** SAVCHENKO, 1973: Ent. Obozr., 52: 455 (*Ormosia*). Type-locality: eastern slopes of Sikhote-Alin Mts, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- nana** STARÝ, 1974: Annotnes zool.-bot. Bratisl., 99: 7 (*Ormosia*). Type-locality: Jeseníky, Praded, Bílá Opava valley, Moravia (Czechoslovakia).—Distr.: Europe: CS.
- nantaisana** ALEXANDER, 1921: Ann. ent. Soc. Am., 14: 117 (*Ormosia*). Type-locality: Mt. Nantai, near Nikko, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- nodulosa** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, 1823-1824: 164 (*Erioptera*). Type-locality: not given (northern France).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, H, I, IRE, NL, N, PL, R, S, YU; USSR: CET (west).

- nubipennis** (RONDANI, 1856): Dipt. Ital. Prodrömus, 1: 180 (*Ilisomyia*). Type-locality: not given (Italy).—Distr.: Europe: I. [Subgeneric position not certain.]
- officiosa** ALEXANDER, 1936: Philipp. J. Sci., 60: 197 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- orientobifida** SAVCHENKO, 1983: Limoniidae of south Primorye: 85 (*Ormosia*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- pirinensis** STARY, 1971: Acta ent. bohemoslov., 68: 95 (*Ormosia*). Type-locality: near Bansko, Benderica valley, Pirin Mts (Bulgaria).—Distr.: Europe: BG.
- praecisa** ALEXANDER, 1932: Philipp. J. Sci., 49: 401 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- profesta** ALEXANDER, 1936: Philipp. J. Sci., 60: 196 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pseudosimilis** (LUNDSTRÖM, 1912): Acta Soc. Fauna Flora fenn., 36(1): 58 (*Rhypholophus*). Type-localities: Pargas; Kuustö; Sammati; Helsing; Tuovilanlaks; Seitjaur (Finland and USSR) (Helsing, Finland, by lectotype des. of TJEDER, 1972).—Distr.: Europe: B, CS, D, DDR, DK, F, GB, IRE, N, NL, PL, R, S, SF; USSR: NET (west), CET (northwest).
- rectangularis** ALEXANDER, 1934: Philipp. J. Sci., 53: 293 (*Ormosia*). Type-locality: Yumoto, Shimotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- remissa** ALEXANDER, 1953: Philipp. J. Sci., 82: 71 (*Ormosia*). Type-locality: Mt. Tsurugi, Awa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- rostrifera** SAVCHENKO, 1973: Ent. Obozr., 52: 446 (*Ormosia*). Type-locality: near Syanki, near Uzhok pass, Lvov obl. (USSR: Uk).—Distr.: Europe: CS; USSR: SET (Carpathians).
- ruficauda** (ZETTERSTEDT, [1838]): Insecta Lapp.: 830 (*Erioptera*). Type-locality: Stoettingsfjellet (Sweden).—Distr.: Europe: A, B, CH, CS, D, DDR, N, PL, R, S, SF; USSR: NET (southwest), CET, SET (Uk).
- murina** (GOETGHEBUER in GOETGHEBUER and TONNOIR, 1920): Bull. Soc. ent. Belg., 2: 139 (*Rhypholophus*). Type-localities: Gedinne; Hockai (Belgium).
- seclusa** ALEXANDER, 1936: Philipp. J. Sci., 58: 422 (*Ormosia*). Type-locality: Konseitoge, Shimotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- serrata** SAVCHENKO, 1973: Ent. Obozr., 52: 453 (*Ormosia*). Type-locality: northern slopes of Zekar pass, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: TC (southwest).
- solita** ALEXANDER, 1936: Philipp. J. Sci., 60: 355 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- staegeriana** ALEXANDER, 1953: Rec. Indian Mus., 50: 327 (*Ormosia*, as new name for *Erioptera similis* STAEGEER, 1840, at time of replacement a junior secondary homonym of *Limnobia similis* SCHUMMEL, 1829).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, GB, I, N, PL, R, S, SF, YU; USSR: NET (west), CET (west), SET (Uk).

- montana* (MEIGEN, 1818): Syst. Besch., 1: 110 (*Erioptera*). Type-locality: near Imgenbroich [D]. [A questionable senior synonym.]
- similis* (STAEGER, 1840): Naturh. Tidsskr., 3: 53 (*Erioptera*). Type-locality: Ordrupskrat (Denmark).
- subalpina* ALEXANDER, 1947: Ann. ent. Soc. Am., 40: 366 (*Ormosia*). Type-locality: Mt. Kurobegoro, Toyama pref., Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- subfascipennis* SAVCHENKO, 1973: Ent. Obozr., 52: 444 (*Ormosia*). Type-locality: southern slopes of Krestoviy pass (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- subserata* SAVCHENKO, 1976: Zool. Zh., 55: 304 (*Ormosia*). Type-locality: Abago, Great Caucasus nature reserve, Krasnodarskiy kray (USSR).—Distr.: USSR: SET (southeast).
- takahashii* ALEXANDER, 1919: Ann. ent. Soc. Am., 12: 337 (*Ormosia*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: USSR: ?FE (?Kurul Is); Asia: Japan (Honshu).
- takeuchii* ALEXANDER, 1921: Ann. ent. Soc. Am., 14: 117 (*Ormosia*). Type-locality: Gifu, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- tenuispinosa* ALEXANDER, 1936: Philipp. J. Sci., 60: 193 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- tokionis* ALEXANDER, 1919: Ann. ent. Soc. Am., 12: 336 (*Ormosia*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- tokunagai* ALEXANDER, 1932: Philipp. J. Sci., 49: 129 (*Ormosia*). Type-locality: Kibune, Kyoto pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- uralensis* LACKSCHEWITZ, 1964: Ent. Obozr., 43: 716 (*Ormosia*). Type-locality: near Salekhard, river Sobj district, Tyumen obl. (USSR).—Distr.: USSR: NET/WS (Polar Ural), WS (Altai, Tuva).

Subgenus PARORMOSIA ALEXANDER, 1965

ALEXANDER, 1965: JI N.Y. ent. Soc., 73: 34 (as subgenus of *Ormosia* RONDANI, 1856).

Type-species: *Rhypholophus nigripilus* OSTEN SACKEN, 1869: Smithson. misc. Collns, 8(219): 142 (orig. des.); not Palearctic.

- angustaurata* ALEXANDER, 1936: Philipp. J. Sci., 60: 353 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- diversipes* ALEXANDER, 1919: Ann. ent. Soc. Am., 12: 334 (*Ormosia*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is, ?Primorskiy kray); Asia: Japan (Honshu, Shikoku, Kyushu).

- atripes* ALEXANDER, 1919: Ann. ent. Soc. Am., **12**: 335 (*Ormosia*). Type-locality: Meguro, Tokyo, Honshu (Japan).
- lataurata* ALEXANDER, 1936: Philipp. J. Sci., **60**: 351 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- nigripennis* ALEXANDER, 1936: Philipp. J. Sci., **60**: 192 (*Ormosia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- nippoalpina* ALEXANDER, 1941: Philipp. J. Sci., **76**: 63 (*Ormosia*). Type-locality: Kamikochi, Honshu (Japan).—Distr.: USSR: ?FE (?Sakhalin); Asia: Japan (Honshu).

Rhypholophus KOLENATI, 1860

KOLENATI, 1860: Wien. ent. Mschr., **4**: 393.

Type-species: *Rhypholophus phryganopterus* KOLENATI, 1860: l.c.: 393 (mon.).

Dasyptera SCHINER, 1863: Wien. ent. Mschr., **7**: 221. Type-species: *Erioptera varia*

MEIGEN, 1818: Syst. Besch., **1**: 115 (orig. des.).

bifurcatus GOETGHEBUER in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., **2**: 138 (*Rhypholophus*). Type-localities: several localities throughout Belgium.—Distr.: Europe: A, B, BG, CS, D, F, GB, I, H; USSR: NET (southwest), CET (northwest), SET (Crimea).

crassipes STROBL, 1900: Wien. ent. Ztg., **19**: 214 (*Rhypholophus*). Type-locality: Brincola (Spain).—Distr.: Europe: E. [See *lichtwardti*.]

haemorrhoidalis (ZETTERSTEDT, [1838]): Insecta Lapp.: 829 (*Erioptera*). Type-localities: Drivstua, Dovrefjell (Norway); Härmösand (Sweden).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, I, N, NL, PL, R, S, SF, YU; USSR: NET (west), CET (west), SET (Uk, Crimea).

imitator SAVCHENKO, 1981: Vestn. zool., **1981**(1): 24 (*Rhypholophus*). Type-locality: 15 km SE Konstantinovka, Khabarovskiy kray (USSR).—Distr.: USSR: FE (Khabarovskiy kray).

intermixtus (SAVCHENKO, 1973): Ent. Obozr., **52**: 456. (*Ormosia*). Type-locality: southern slopes of Zekar pass, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: TC (southwest).

lichtwardti (LACKSCHEWITZ, 1935): Natuurh. Maandbl., **24**: 13 (*Ormosia*). Type-locality: Altvater [= Praded] (Czechoslovakia).—Distr.: Europe: A, CH, CS, I, R; USSR: SET (Carpathians). [?Conspecific with *crassipes* STROBL, 1900.]

malickyi (MENDL, 1975): NachrBl. bayer. Ent., **24**: 22 (*Ormosia*). Type-locality: Lechleiten, Lechtal, Tirol (Austria).—Distr.: Europe: A, D.

obtusistyla (STARÝ, 1976): Annotnes zool.-bot. Bratisl., **112**: 3 (*Ormosia*). Type-locality: between Partizanska Poliana and Rilska ezera, below Mt. Vodnia Chal (Bulgaria).—Distr.: Europe: BG.

- phryganopterus** KOLENATI, 1860: Wien. ent. Mschr., 4: 393 (*Rhypholophus*).
Type-locality: Altvater [= Praded], Moravia (Czechoslovakia).—Distr.: Europe:
A, BG, CH, CS, D, DDR, F, I, PL, R; USSR: SET (Carpathians).
- simulans** (SAVCHENKO, 1973): Ent. Obozr., 52: 458 (*Ormosia*). Type-locality:
Krestoviy pass (USSR: Ge).—Distr.: USSR: SET (southeast), TC (Ge).
- varius** (MEIGEN, 1818): Syst. Besch., 1: 115 (*Erioptera*). Type-locality: Berlin.
—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, IRE, N, NL, PL, S,
SF; USSR: NET (southwest), CET (west), SET (Uk).
- villeneuvei** BERGROTH, 1907: Bull. Soc. ent. Fr., 1907: 143 (*Rhypholophus*).
Type-locality: Lautaret, Basse-Alpes (France).—Distr.: Europe: F.

Tasiocera SKUSE, 1890

- SKUSE, 1890: Proc. Linn. Soc. N.S.W., (2) 4: 815.
Type-species: *Tasiocera tenuicornis* SKUSE, 1890: l.c.: 816 (des. ALEXANDER,
1920: Mem. Qd Mus., 7: 52); not Palearctic.
- Dasymolophilus* GOETGHEBUER, 1920: see below as subgenus.

Subgenus **DASYMOLOPHILUS** GOETGHEBUER, 1920

- GOETGHEBUER in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., 2:
132 (as subgenus of *Molophilus* CURTIS, 1833).
Type-species: *Erioptera murina* MEIGEN, 1818: Syst. Besch., 1: 113 (orig. des.).
- collini** FREEMAN, 1951: Proc. R. ent. Soc. Lond. (B), 20: 33 (*Tasiocera*). Type-
locality: Chippenham Fen, Suffolk (Great Britain).—Distr.: Europe: GB, IRE.
[?Conspecific with *halesus* SCHMID, 1949.]
- exigua** SAVCHENKO, 1973: Zbirn. Prats zool. Mus., Kiev, 35: 39 (*Tasiocera*).
Type-locality: Usteritskoye forestry, Rakhov district (USSR: Uk).—Distr.:
Europe: CS, D, DDR, I, R; USSR: SET (Carpathians).
- fuscescens** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, 50: 14 (*Molo-*
philus). Type-locality: Pashtrik (Albania).—Distr.: Europe: AL, CS, D, GB,
IRE, PL, R, S; USSR: SET (Carpathians). [See *muscula*.]
- halesus** (SCHMID, 1949): Mitt. schweiz. ent. Ges., 22: 238 (*Dasymolophilus*).
Type-localities: Vidy near Lausanne; Belmont (Switzerland).—Distr.: Europe:
CH. [See *collini*.]
- jenkinsoni** FREEMAN, 1951: Proc. R. ent. Soc. Lond. (B), 20: 36 (*Tasiocera*).
Type-locality: Crowborough, Sussex (Great Britain).—Distr.: Europe: CS, D,
GB, PL, YU.
- jelenae* (SCHMID, 1958): Bull. Ins. r. Sci. nat. Belg., 34(10): 22 (*Dasymolo-*
philus). Type-locality: near Capari, Macedonia (Yugoslavia).

- jubata** (ALEXANDER, 1936): Philipp. J. Sci., **60**: 199 (*Dasymolophilus*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: FE (Primorskiy kray); Asia: China (Sichuan), ?North Korea.
- kibunensis** (ALEXANDER, 1936): Philipp. J. Sci., **60**: 200 (*Dasymolophilus*). Type-locality: Kibune, Kyoto pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu); Taiwan.
- malickyiana** MENDL, 1985: Articulata, **2**: 155 (*Tasiocera*). Type-locality: below Satzu, Sardinia (Italy).—Distr.: Europe: I (Sardinia).
- minima** MENDL, 1974: Fragm. ent., Roma, **9**: 221 (*Tasiocera*). Type-locality: tributary of Tescio river near Assisi, Umbria (Italy).—Distr.: Europe: I.
- murina** (MEIGEN, 1818): Syst. Besch., **1**: 113 (*Erioptera*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, IRE, N, NL, PL, R, S, SF; USSR: NET (southwest), CET (west), SET, TC.
- pygmaea** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 165. (*Erioptera*). Type-locality: not given (northern France).
- muscula** (SCHMID, 1949): Mitt. schweiz. ent. Ges., **22**: 238 (*Dasymolophilus*). Type-localities: Pléiades; Montheron (Switzerland).—Distr.: Europe: CH. [?Conspecific with *fuscescens* LACKSCHEWITZ, 1940.]
- phlebotomus** (SCHMID, 1949): Mitt. schweiz. ent. Ges., **22**: 240 (*Dasymolophilus*). Type-localities: l'Isle; Vidy (Lausanne) (Switzerland).—Distr.: Europe: CH.
- robusta** (BANGERTER, 1947): Mitt. schweiz. ent. Ges., **20**: 366 (*Dasymolophilus*). Type-locality: Sensetal, Obere Sense (Switzerland).—Distr.: A, BG, CH, CS, D, DDR, GB, GR.
- laminata** FREEMAN, 1951: Proc. R. ent. Soc. Lond. (B), **20**: 33 (*Tasiocera*). Type-locality: Woodditton Wood, Cambridge (Great Britain).

Tribe Gonomyiini

Dasymallomyia BRUNETTI, 1911

BRUNETTI, 1911: Rec. Indian Mus., **6**: 304.

Type-species: *Dasymallomyia signata* BRUNETTI, 1911: l.c.: 304 (mon.).

- clausa** ALEXANDER, 1940: Lingnan Sci. J., **19**: 115 (*Dasymallomyia*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- klapperichi** ALEXANDER, 1954: Ann. Mag. nat. Hist., (12) **7**: 903 (*Dasymallomyia*). Type-locality: Kutiau, Nuristan (Afghanistan).—Distr.: USSR: SMA (Tj); Asia: Afghanistan.
- persignata** ALEXANDER, 1932: Philipp. J. Sci., **49**: 396 (*Dasymallomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

signata BRUNETTI, 1911: Rec. Indian Mus., **6**: 304 (*Dasymallomyia*). Type-locality: Kurseong, Darjeeling district (India).—Distr.: Asia: China (central); Taiwan, India.

Dicranoptycha OSTEN SACKEN, 1860

OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 217.

Type-species: *Dicranoptycha germana* OSTEN SACKEN, 1860: l.c.: 217 (des. COQUILLET, 1910: Proc. U.S. nat. Mus., **37**: 533); not Palearctic.

Marginomyia MEIGEN, 1818: Syst. Besch., **1**: 147. Type-species: *Limnobia cinerascens* MEIGEN, 1818: l.c.: 147 (mon.). [Published in synonymy and unavailable.]

Ulugbekia SAVCHENKO, 1970: see below as subgenus.

Subgenus **DICRANOPTYCHA** OSTEN SACKEN, 1860

caesia ALEXANDER, 1928: Philipp. J. Sci., **36**: 466 (*Dicranoptycha*). Type-locality: Tatusawa, near Inawashiro, Fukushima pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).

caesia pallidibasis ALEXANDER, 1931: Philipp. J. Sci., **44**: 353 (*Dicranoptycha*). Type-locality: Mt. Norikura, Japanese Alps, Shinano, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu), China (Hebei).

cinerascens (MEIGEN, 1818): Syst. Besch., **1**: 147 (*Limnobia*). Type-locality: Austria (Vranov n. D., Moravia, Czechoslovakia, by neotype des. of STARÝ, 1972).—Distr.: Europe: A, BG, CS, ?D, F, I, PL, SF, YU; USSR: CET (Li).

diacantha ALEXANDER, 1938: Philipp. J. Sci., **67**: 141 (*Dicranoptycha*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.

edashigeana ALEXANDER, 1955: Philipp. J. Sci., **83**: 284 (*Dicranoptycha*). Type-locality: Mt. Kajigamori, Tosa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

fuscescens (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 121 (*Limnobia*). Type-localities: near Wrocław; Pöpelwitz (Poland) (Kruzberk, Opava district, Moravia, Czechoslovakia, by neotype des. of STARÝ, 1972).—Distr.: Europe: A, AL, B, BG, CH, CS, CY, D, E, F (incl. Corsica), GB, GR (Crete, Rodhos, Samos), H, I, N, NL, PL, R, S, SF, YU; USSR: NET (excl. the extreme north), CET, SET, TC, ?KZ; Asia: Turkey, Iran, Lebanon; North Africa: Algeria.

lundstroemi (BERGROTH, 1922): Ent. Meddr, **14**: 19 (*Limonia*). Type-locality: not given (Finland).

- hasegawai** ALEXANDER, 1955: Ann. ent. Soc. Am., **48**: 371 (*Dicranoptycha*).
Type-locality: Mt. Norikura, near Reisen-goya, Shinano, Honshu (Japan).
—Distr.: Asia: Japan (Honshu).
- livescens** LOEW, 1871: Besch. europ. Dipt., **2**: 1 (*Dicranoptycha*). Type-localities:
near Poznań; Silesia (Poland); Saxony [DDR]; Austria.—Distr.: Europe: A,
BG, CH, CS, ?D, DDR, F, H, I, PL, R, YU; USSR: CET (Li), SET (Uk,
Crimea).
- machidana** ALEXANDER, 1932: Philipp. J. Sci., **49**: 117 (*Dicranoptycha*). Type-
locality: Mt. Hakutai, Chichibu, Honshu (Japan).—Distr.: Asia: Japan
(Honshu).
- paralivescens** STARY, 1972: Acta ent. bohemoslov., **69**: 402, 413 (*Dicranoptycha*).
Type-locality: Giraltovec, Slovakia (Czechoslovakia).—Distr.: Europe: A, BG,
CH, CS, D, I, PL, R; USSR: CET (southeast), SET.
- phallosomica** ALEXANDER, 1937: Notes Ent. chin., **4**: 71 (*Dicranoptycha*). Type-
locality: Kuling, Jiangxi (China).—Distr.: Asia: China (Zhejiang); China
(Jiangxi).
- prolongata** ALEXANDER, 1938: Philipp. J. Sci., **67**: 139 (*Dicranoptycha*). Type-
locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia:
North Korea.
- pseudocinerea** STARY, 1972: Acta ent. bohemoslov., **69**: 402 and 405 (*Dicrano-
ptycha*). Type-locality: Prater, Vienna (Austria).—Distr.: Europe: A, CH, CS,
I; USSR: SET (Uk).
- recurvispina** SAVCHENKO, 1974: Vestn. zool., **1974**(6): 31 (*Dicranoptycha*).
Type-locality: near Kyurgagzhi, Lachin district (USSR: Az).—Distr.: USSR:
TC.
- stygipes** ALEXANDER, 1938: Philipp. J. Sci., **66**: 113 (*Dicranoptycha*). Type-loca-
lity: Matsuo, Iwate pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- suensoniana** ALEXANDER, 1941: Philipp. J. Sci., **76**: 48 (*Dicranoptycha*). Type-
locality: Kawaguchi, Fuji lakes district, Honshu (Japan).—Distr.: Asia: Japan
(Honshu).
- venosa** ALEXANDER, 1924: Philipp. J. Sci., **24**: 561 (*Dicranoptycha*). Type-loca-
lity: Shikaripetsu, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is);
Asia: Japan (Hokkaido).
- vulpes** ALEXANDER, 1935: Philipp. J. Sci., **56**: 550 (*Dicranoptycha*). Type-loca-
lity: Beh-Luh-Din, 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China
(Sichuan).
- yamata** ALEXANDER, 1919: Ann. ent. Soc. Am., **12**: 332 (*Dicranoptycha*). Type-
locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu,
Shikoku, Kyushu).

Subgenus ULUGBEKIA SAVCHENKO, 1970

SAVCHENKO, 1970: Dopov. Akad. Nauk ukr. RSR (B), 1970: 564 (as subgenus of *Dicranoptycha* OSTEN SACKEN, 1860).

Type-species: *Dicranoptycha mirabilis* SAVCHENKO, 1970: l.c.: 564 (orig. des.).

mirabilis SAVCHENKO, 1970: Dopov. Akad. Nauk ukr. RSR (B), 1970: 564 (*Dicranoptycha*). Type-locality: near lake Kholia-Kul, Tigrovaya Balka nature reserve (USSR: Tj).—Distr.: USSR: SMA; Asia: ?Turkey (?Kusadasi).

savtshenkoi MENDL, 1976: NachrBl. bayer. Ent., 25: 36 (*Dicranoptycha*). Type-locality: 1 km W of Kallithie, Rodhos (Greece).—Distr.: Europe GR (Rodhos, Lesbos).

Ellipteroides BECKER, 1907

BECKER, 1907: Z. syst. Hymenopt. Dipterol., 7: 239.

Type-species: *Ellipteroides piceus* BECKER, 1907: l.c.: 239 (mon.).

Progonomyia ALEXANDER, 1920: see below as subgenus.

Ptilostenodes ALEXANDER, 1931: see below as subgenus.

Protogonomyia ALEXANDER, 1934: see below as subgenus.

Subgenus ELLIPTEROIDES BECKER, 1907

ater (HUGUENIN, 1818): Fauna ins. helv., Dipt. Tipulidae: 50 (*Gonomyia*). Type-locality: near Weissenburg (Switzerland).—Distr.: Europe: CH. [Subgeneric position not certain.]

bifastigatus MENDL, 1987: Articulata, 2: 371 (*Ellipteroides*). Type-locality: Antalya-Finike (36.44°N/30.33°E), Antalya (Turkey).—Distr.: Asia: Turkey (Antalya).

friesei (MANNHEIMS, 1967): Beitr. Ent., 17: 471 (*Gonomyia*). Type-locality: Borshi south of Vlora (Albania).—Distr.: Europe: AL.

lateralis (MACQUART, 1835): Hist. nat. Ins., Dipt., 2: 653 (*Erioptera*). Type-locality: Liège (Belgium).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, E, F, GB, H, I, IRE, M, NL, PL; USSR: CET (Li); Asia: Lebanon; North Africa: Morocco.

flavolimbatus (DALE, 1842): Ann. Mag. nat. Hist., (1) 8: 430 (*Limnobia*). Type-locality: not given (Great Britain).

manifestus (WALKER, 1848): List Dipt. Brit. Mus., 1: 53 (*Limnobia*). Type-locality: England (Great Britain).

cinctus (EGGER, 1863): Verh. zool.-bot. Ges. Wien, 13: 1106 (*Gonomyia*). Type-locality: Austria.

- pseudolateralis* (BANGERTER, 1947): Mitt. schweiz. ent. Ges., 20: 370 (*Gonomyia*). Type-locality: not given (Flamatt, Switzerland).
- piceus** BECKER, 1907: Z. syst. Hymenopt. Dipterol., 7: 239 (*Ellipteroides*). Type-locality: Zaghouan (Tunisia) (the same by lectotype des. of STARÝ and ROZKOŠNÝ, 1970).—Distr.: North Africa: Algeria, Tunisia.

Subgenus PROGONOMYIA ALEXANDER, 1920

- ALEXANDER, 1920: Mem. Cornell Univ. agric. Exp. Stn, 38: 52 (as subgenus of *Gonomyia* MEIGEN, 1818, as new name for *Gonomyella* ALEXANDER, 1916, a junior homonym of *Gonomyella* MEUNIER, 1899 [= *Gonomyiella* MEUNIER, 1899]). Type-species: *Gonomyia slossonae* ALEXANDER, 1914: Proc. Acad. nat. Sci. Philad., 1914: 588 (aut.); not Palaearctic.
- Gonomyella* ALEXANDER, 1916: Proc. Acad. nat. Sci. Philad., 1916: 511 (as subgenus of *Gonomyia* MEIGEN, 1818). Type-species: *Gonomyia slossonae* ALEXANDER, 1914: Proc. Acad. nat. Sci. Philad., 1914: 588 (orig. des.); not Palaearctic.
- perturbatus** (ALEXANDER, 1930): Philipp. J. Sci., 42: 528 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

Subgenus PROTOGONOMYIA ALEXANDER, 1934

- ALEXANDER, 1934: Philipp. J. Sci., 55: 52 (as subgenus of *Gonomyia* MEIGEN, 1818). Type-species: *Gnophomyia confluenta* ALEXANDER, 1924: Ann. ent. Soc. Am., 17: 69 (orig. des.); not Palaearctic.
- adrastea** STARÝ et MENDL, 1984: NachrBl. bayer. Ent., 33: 123 (*Ellipteroides*). Type-locality: Radejov-Lucina, Moravia (Czechoslovakia).—Distr.: Europe: CS.
- alboscuteallatus** (VON ROSER, 1840): CorrespBl. württ. landw. Ver., Stuttg. (N.S.), 17(1): 51 (*Limnobia*). Type-locality: Württemberg [D].—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, E, F, GB, H, I, NL, R, YU; USSR: SET (Carpathians); Asia: Lebanon; North Africa: Morocco.
- collaris* (MEIGEN, 1838): Syst. Besch., 7: 28 (*Limnobia*). Type-localities: Bayern [D]; near Liège (Belgium). [A questionable senior synonym.]
- scutellatus* (EGGER, 1863): Verh. zool.-bot. Ges. Wien, 13: 1106 (*Gonomyia*). Type-locality: Austria.
- hutsoni** (STARÝ, 1971): Acta ent. bohemoslov., 68: 319 (*Gonomyia*). Type-locality: Jebel Ayachi, High Atlas (Morocco).—Distr.: North Africa: Morocco.

- ida** STARYĀ et MENDEL, 1984: NachrBl. bayer. Ent., **33**: 125 (*Ellipteroides*). Type-locality: Puerto d. l. Ragua, Sierra Nevada (Spain).—Distr.: Europe: E.
- limbatus** (VON ROSER, 1840): CorrespBl. württ. landw. Ver., Stuttg. (N.S.), **17**(1): 50 (*Limnobia*). Type-locality: Württemberg [D].—Distr.: Europe: A, BG, CH, CS, D, F, GB, I, PL, YU; USSR: SET (Carpathians).
- huguenini** (BANGERTER, 1947): Mitt. schweiz. ent. Ges., **20**: 368 (*Gonomyia*). Type-locality: Sensetal (Switzerland).
- quadridens** (SAVCHENKO, 1972): Zool. Zh., **51**: 1331 (*Gonomyia*). Type-locality: near Bilasar, Lenkoran district, Talysh (USSR: Az).—Distr.: USSR: TC (Az).
- quadridens loehmeri** MENDEL, 1987: Articulata, **3**: 17 (*Ellipteroides*). Type-locality: S Beyrisebap, Habur Deresi valley, Hakkari (Turkey).—Distr.: Asia: Turkey.
- tienmuensis** (ALEXANDER, 1940): Lignan Sci. J., **19**: 117 (*Gonomyia*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

Subgenus PTILOSTENODES ALEXANDER, 1931

ALEXANDER, 1931: Arch. Hydrobiol., Suppl., **2**: 182 (as subgenus of *Gonomyia* MEIGEN, 1818).

Type-species: *Gonomyia ptilostenella* ALEXANDER, 1931: Philipp. J. Sci., **45**: 441 (orig. des.); not Palearctic.

- amicula** (ALEXANDER, 1936): Philipp. J. Sci., **60**: 348 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- omissus** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 62 (*Gonomyia*). Type-locality: Becharré (Lebanon).—Distr.: USSR: TC (Arm); Asia: Lebanon.
- [uniplagiatus** (ALEXANDER, 1937): Philipp. J. Sci., **63**: 394 (*Idiocera*). Type-locality: Tau-au-hong, Jiangxi (China).—Distr.: Asia: China (Jiangxi).]

Gnophomyia OSTEN SACKEN, 1860

OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 223.

Type-species: *Gnophomyia tristissima* OSTEN SACKEN, 1860: l.c.: 224 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 547); not Palearctic.

- acheron** ALEXANDER, 1950: Ann. ent. Soc. Am., **43**: 433 (*Gnophomyia*). Type-locality: Funakosi, Iwate pref., Honshu (Japan).—Distr.: USSR: WS (Altai, Tuva), FE (Amur obl., Khabarovskiy kray, Primorskiy kray); Asia: Japan (Honshu).
- ctenura** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 104 (*Gnophomyia*). Type-locality:

- lity: near Mendeleyevo, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- elsneri** STARÝ, 1983: Annotnes zool.-bot. Bratisl., **154**: 17 (*Gnophomyia*). Type-locality: Zemberovce, Levice district, Slovakia (Czechoslovakia).—Distr.: Europe: CS, GB.
- lugubris** (ZETTERSTEDT, [1838]): Insecta Lapp.: 846 (*Tipula*). Type-localities: Umea; Brattiksfjell (Sweden).—Distr.: Europe: A, B, CH, CS, DK, F, NL, PL, S, SF, YU; USSR: CET (northwest), SET (Uk), WS (Altai, Tuva), FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Honshu).
- tripudians** BERGROTH, 1891: Mitt. naturf. Ges. Bern, **1890**: 131 (*Gnophomyia*). Type-locality: Weissenburg (Switzerland).
- tristis** ALEXANDER, 1924: Philipp. J. Sci., **24**: 588 (*Gnophomyia*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).
- nycteris** ALEXANDER, 1924: Ann. ent. Soc. Am., **17**: 68 (*Gnophomyia*). Type-locality: Mt. Minomo, Settsu-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- viridipennis** (GIMMERTHAL, 1847): Bull. Soc. nat. Moscou, **20**(2): 146 (*Limnobia*). Type-locality: Curland (USSR).—Distr.: Europe: A, ?B, CS, D, DDR, F, GB, ?NL, PL, R, YU; USSR: NET (southwest), CET, SET (Uk, Caucasus), WS (Tuva).

Gonomyia MEIGEN, 1818

MEIGEN, 1818: Syst. Besch., **1**: 147. [Published in synonymy but available by established use prior to 1961.]

Type-species: *Limnobia tenella* MEIGEN, 1818: l.c.: 146 (mon.).

Taphrosia RONDANI, 1856: Dipt. Ital. Prodromus, **1**: 182. Type-species: *Limnobia tenella* MEIGEN, 1818: Syst. Besch., **1**: 146 (orig. des.).

Goniomyia OSTEN SACKEN, 1869: Smithson. misc. Collns, **8**(219): 176, unjustified emendation.

Leiponeura SKUSE, 1890: see below as subgenus.

Teuchogonomyia ALEXANDER, 1968: see below as subgenus.

Idiocerodes SAVCHENKO, 1972: see below as subgenus.

Prolipophleps SAVCHENKO, 1972: see below as subgenus.

Subgenus GONOMYIA MEIGEN, 1818

- abscondita** LACKSCHEWITZ, 1935: Natuurh. Maandbl., **24**: 13 (*Gonomyia*). Type-locality: Macugnaga (Italy).—Distr.: Europe: A, CS, I, R, ?S; USSR: SET (Carpathians), TC. [?Conspecific with *lucidula* DE MEIJERE, 1920.]

- sulphurea* AGRELL, 1945: Opusc. ent., **10**: 24 (*Gonomyia*). Type-locality: Skärallid, Skåne (Sweden). [Synonymy not certain.]
- basilobata* ALEXANDER, 1975: JI N.Y. ent. Soc., **83**: 6 (*Gonomyia*). Type-locality: Mishgin (Iran).—Distr.: USSR: TC (Arm); Asia: Iran.
- bifida* TONNOIR in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., **2**: 144 (*Gonomyia*). Type-locality: Virton, Jura (Belgium).—Distr.: Europe: A, B, CH, CS, D, F, GB, I, N, S, SF, YU; USSR: NET (southwest), CET (northwest), SET, TC (Arm).
- chalaza* ALEXANDER, 1957: Ann. Mag. nat. Hist., (12) **10**: 287 (*Gonomyia*). Type-locality: Shardi, NW Frontier prov. (Pakistan).—Distr.: USSR: SMA (Ki); Asia: Pakistan.
- conoviensis* BARNES, 1924: Entomologist's mon. Mag., **60**: 140 (*Gonomyia*, as new name for *Gonomyia bispinosa* BARNES, 1923, a junior primary homonym of *Gonomyia bispinosa* ALEXANDER, 1921).—Distr.: Europe: A, BG, CH, CS, D, DDR, DK, F, GB, GR (Samos), I, IRE, R, YU; USSR: SET (west), TC, SMA; Asia: Iran.
- bispinosa* BARNES, 1923: Entomologist's mon. Mag., **59**: 255 (*Gonomyia*). Type-locality: between Dolgarrog and Talybont, Conway valley, Carnarvonshire (Great Britain).
- oxybeles* ALEXANDER, 1975: JI N.Y. ent. Soc., **83**: 8 (*Gonomyia*). Type-locality: Mughan (Iran).
- copulata* (BECKER, 1908): Mitt. zool. Mus. Berl., **4**: 83 (*Dicranomyia*). Type-locality: Orotava, Tenerife (Canary Is).—Distr.: Europe: GR (central, Crete); Canary Is.
- intermedia* SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 136 (*Gonomyia*). Type-locality: Barranco del Río, La Palma (Canary Is).
- selecta* SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 132 (*Gonomyia*). Type-locality: Barranco del Río, La Palma (Canary Is).
- lunulata* NIELSEN, 1959: Ent. Meddr, **29**: 67 (*Gonomyia*). Type-locality: El Pozo at Barranco de la Herradura about 1 km NW of Los Sauces, La Palma (Canary Is).
- minae* NIELSEN, 1959: Ent. Meddr, **29**: 69 (*Gonomyia*). Type-locality: Barranco de la Mina, Gran Canaria (Canary Is).
- dentata* DE MEIJERE, 1920: Tijdschr. Ent., **63**: 83 (*Gonomyia*). Type-locality: Baarn (The Netherlands).—Distr.: Europe: A, B, CH, CS, D, DDR, DK (incl. Faeroes), F, GB, I, IRE, NL, PL, S, SF; USSR: NET (southwest), CET (northwest), FE (Kamchatka).
- incisurata* TONNOIR in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., **2**: 145 (*Gonomyia*). Type-locality: Gedinne, Ardennes (Belgium).
- gilvipennis* ALEXANDER, 1928: Philipp. J. Sci., **36**: 477 (*Gonomyia*). Type-locality: Tatusawa, near Inawashiro, Fukushima pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).

- ingrica** LACKSCHEWITZ, 1964: Ent. Obozr., **43**: 726 (*Gonomyia*). Type-locality: Gobzhitsa, Luga district, Leningrad obl. (USSR).—Distr.: Europe: BG; USSR: NET (southwest).
- justifica** ALEXANDER, 1936: Philipp. J. Sci., **60**: 189 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: USSR: FE (Primorskiy kray); Asia: China (Sichuan).
- kurokawae** ALEXANDER, 1957: Philipp. J. Sci., **85**: 375 (*Gonomyia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- lappona** OOSTERBROEK, 1992: nom. nov. Replacement name for *Limnobia gracilis* ZETTERSTEDT, 1838, a junior primary homonym of *Limnobia gracilis* WIEDEMANN, 1828 (*Gonomyia*).—Distr.: Europe: S. [Subgeneric position not certain.]
- gracilis* (ZETTERSTEDT, [1838]): Insecta Lapp.: 838 (*Limnobia*). Type-locality: Kengis (Sweden).
- latilobata** ALEXANDER, 1934: Philipp. J. Sci., **54**: 337 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- lobulata** SAVCHENKO, 1980: Vestn. zool., **1980**(3): 37 (*Gonomyia*). Type-locality: Sary-Chelek nature reserve (USSR: Ki).—Distr.: USSR: SMA (Ki).
- lucidula** DE MEIJERE, 1920: Tijdschr. Ent., **63**: 83 (*Gonomyia*). Type-localities: Valkenburg; Bunde; Oldenzaal; Nieuwersluis (The Netherlands).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, IRE, L, N, NL, PL, R, S, YU; USSR: NET (southwest), CET (northwest), SET. [See *abscondita*.]
- lobifera* BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 375 (*Gonomyia*). Type-locality: Sense river between Thörishaus and Grasburg (Switzerland).
- microdentata* BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 376 (*Gonomyia*). Type-locality: Schwarzsee (Switzerland).
- luteipleura** ALEXANDER, 1936: Philipp. J. Sci., **59**: 248 (*Gonomyia*). Type-locality: Mt. Daisen, Hoki, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- marini** ERHAN-DINCĂ, 1985: Trav. Mus. Hist. nat. Grigore Antipa, **27**: 183 (*Gonomyia*). Type-locality: Portita campsite, Golovita lake, Tulcea Co. (Roumania).—Distr.: Europe: R.
- modica** SAVCHENKO, 1972: Zool. Zh., **51**: 1337 (*Gonomyia*). Type-locality: near Archivan, Astara district, Talysh (USSR: Az).—Distr.: USSR: TC (Ge, Az).
- nansei** ALEXANDER, 1930: Philipp. J. Sci., **43**: 524 (*Gonomyia*). Type-locality: Hassensan (Taiwan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Shikoku); Taiwan.
- necopina** ALEXANDER, 1957: Philipp. J. Sci., **85**: 376 (*Gonomyia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu).
- nigrotuberculata** SAVCHENKO, 1986: Vestn. zool., **1986**(1): 31 (*Gonomyia*). Type-locality: Tashkoro, Issyk Kul obl. (USSR: Ki).—Distr.: USSR: SMA (Ki).

- octospinosa** ALEXANDER, 1936: Philipp. J. Sci., **60**: 349 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- odontostyla** SAVCHENKO, 1972: Zool. Zh., **51**: 1336 (*Gonomyia*). Type-locality: Kvak, Kondara river, Gissar Mts (USSR: Tj).—Distr.: USSR: SMA (Tj).
- omeiensis** ALEXANDER, 1930: Philipp. J. Sci., **42**: 529 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- omogoensis** ALEXANDER, 1955: Philipp. J. Sci., **83**: 299 (*Gonomyia*). Type-locality: Omogo valley, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- papposa** SAVCHENKO, 1983: Zool. Zh., **62**: 643 (*Gonomyia*). Type-locality: Khosrovskiy nature reserve, Ararat district (USSR: Arm).—Distr.: USSR: TC (Arm).
- principalis** ALEXANDER, 1938: Philipp. J. Sci., **66**: 330 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- recta** TONNOIR in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., **2**: 145 (*Gonomyia*). Type-locality: Virton, Jura (Belgium).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, R, S, YU; USSR: CET (Li), SET (Uk, Crimea).
- serpentigera** SAVCHENKO, 1983: Limoniidae of south Primorye: 101 (*Gonomyia*). Type-locality: near Primorskiy, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- sexlobata** SAVCHENKO in SAVCHENKO and PARKHOMENKO, 1978: Vestn. zool., **1978**(1): 32 (*Gonomyia*). Type-locality: Uryukty, southern slopes of Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki).
- sicula** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 58 and 59 (*Gonomyia*). Type-locality: Palermo, Sicily (Italy).—Distr.: Europe: I (Sicily).
- simplex** TONNOIR in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., **2**: 145 (*Gonomyia*). Type-localities: La Hulpe; Forêt de Soignes; Linkebeek (Belgium).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, I, IRE, N, PL, R, S, SF; USSR: NET (southwest), CET (northwest), SET (Carpathians).
- spinula** SAVCHENKO, 1983: Limoniidae of south Primorye: 100 (*Gonomyia*). Type-locality: near Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- stackelbergi** LACKSCHEWITZ, 1935: Tromsø Mus. Årsh., (4) **53**(4): 11 (*Gonomyia*). Type-localities: Fløifjell; Tromsdal (Norway); Uleåborg (Finland); Jukki (Ingermanland) [= Leningrad obl.] (USSR) (the last by holotype [= lectotype] des. of LACKSCHEWITZ, 1964).—Distr.: Europe: ?DDR, N, S, SF; USSR: NET (west), CET (northwest), FE (Magadan obl., Kamchatka); Asia: Mongolia.
- subtenella** SAVCHENKO, 1972: Zool. Zh., **51**: 1339 (*Gonomyia*). Type-locality: near Lerik, Talysh (USSR: Az).—Distr.: USSR: TC (Ge, Az); Asia: Iran.

- elburzensis* ALEXANDER, 1975: JI N.Y. ent. Soc., **83**: 7 (*Gonomyia*). Type-locality: Lius (Iran).
- superba* ALEXANDER, 1913: Can. Ent., **45**: 285 (*Gonomyia*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: North Korea, Japan (Hokkaido, Honshu), China (northeast).
- tenella* (MEIGEN, 1818): Syst. Besch., **1**: 146 (*Limnobia*). Type-locality: not given. —Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, ?E, F (incl. Corsica), GB, H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET; North Africa: ?Morocco, ?Algeria.
- symmetrica* BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 374 (*Gonomyia*). Type-locality: Sense river between Thörishaus and Grasburg (Switzerland).
- theowaldi* STARÝ, 1982: Bull. zool. Mus. Univ. Amsterdam, **9**: 29 (*Gonomyia*). Type-locality: Col de Vizzavona, NE slope, Corsica (France).—Distr.: Europe: F (Corsica), I (Sardinia).
- tristylata* SAVCHENKO, 1983: Limoniidae of south Primorye: 100 (*Gonomyia*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR). —Distr.: USSR: FE (Primorskiy kray).
- vana* SAVCHENKO, 1980: Vestn. zool., **1980**(3): 36 (*Gonomyia*). Type-locality: near Kurgan-Tyube (USSR: Tj).—Distr.: USSR: SMA (Ki, Tj); Asia: Afghanistan.

Subgenus IDIOCERODES SAVCHENKO, 1972

- SAVCHENKO, 1972: Zool. Zh., **51**: 1330 (as subgenus of *Gonomyia* MEIGEN, 1818).
Type-species: *Gonomyia cognatella* OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 230 (orig. des.); not Palaearctic.
- concinna* LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 58 and 61 (*Gonomyia*). Type-locality: Skopje (Yugoslavia).—Distr.: Europe: AL, R, YU. [See *diabarica*.]
- diabarica* SAVCHENKO, 1972: Zool. Zh., **51**: 1334 (*Gonomyia*). Type-locality: near Gosmalyan, Diabar gorge, Talysh (USSR: Az).—Distr.: USSR: TC (Az), SMA (Tu). [?Conspecific with *concinna* LACKSCHEWITZ, 1940.]
- subcognatella* ALEXANDER, 1932: Philipp. J. Sci., **49**: 128 (*Gonomyia*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).

Subgenus LEIPONEURA SKUSE, 1890

SKUSE, 1890: Proc. Linn. Soc. N.S.W., (2) 4: 795 (as genus).

Type-species: *Leiponeura gracilis* SKUSE 1890: l.c.: 796 (des ALEXANDER, 1913: Proc. U.S. natn. Mus., 44: 503) [= *skusei* ALEXANDER, 1919]; not Palaearctic.

Lipophleps BERGROTH, 1915: Psyche, 22: 55 (as genus, as [unnecessary] new name for *Leiponeura* SKUSE, 1890, not a junior homonym of *Liponeura* LOEW, 1844).

Type-species: *Leiponeura gracilis* SKUSE 1890: Proc. Linn. Soc. N.S.W., (2) 4: 796 (aut.) [= *skusei* ALEXANDER, 1919]; not Palaearctic.

angulifera ALEXANDER, 1933: Philipp. J. Sci., 50: 154 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

aquila ALEXANDER, 1934: Philipp. J. Sci., 54: 334 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

[atrox ALEXANDER, 1937: Philipp. J. Sci., 63: 393 (*Gonomyia*). Type-locality: Mt. Hong, Jiangxi (China).—Distr.: Asia: China (Jiangxi).]

flavocostalis ALEXANDER, 1924: Philipp. J. Sci., 24: 590 (*Gonomyia*). Type-locality: Jozankei, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).

incompleta BRUNETTI, 1912: Fauna Brit. India, Dipt., 1: 471 (*Gonomyia*). Type-locality: not given (India).—Distr.: Asia: Japan (Honshu), China; India, Malaya, Borneo. [See *melanorhyncha*.]

insulensis ALEXANDER, 1913: Can. Ent., 45: 286 (*Gonomyia*). Type-locality: Tokyo, Honshu (Japan).

[inquisita ALEXANDER, 1937: Philipp. J. Sci., 63: 390 (*Gonomyia*). Type-locality: Wong-sa-shue, Jiangxi (China).—Distr.: Asia: China (Jiangxi).]

melanorhyncha SAVCHENKO, 1987: Zool. Zh., 66: 304 (*Gonomyia*). Type-locality: near Zanadvorovka, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray). [?Conspecific with *incompleta* BRUNETTI, 1912.]

parvispinosa ALEXANDER, 1938: Philipp. J. Sci., 66: 329 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

pusilla (LACKSCHEWITZ, 1964): Ent. Obozr., 43: 726 (*Lipophleps*). Type-locality: Minusinsk, Krasnoyarskiy kray (USSR).—Distr.: USSR: ES (south).

quadrifila ALEXANDER, 1930: Philipp. J. Sci., 42: 530 (*Gonomyia*). Type-locality: Yasakagawa, Oita pref., Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).

sauteri ALEXANDER, 1930: Philipp. J. Sci., 43: 525 (*Gonomyia*). Type-locality: Daitotei (Taiwan).—Distr.: Asia: Japan (Shikoku), China (as far west as Sichuan); Taiwan.

Subgenus PROLIPOPHLEPS SAVCHENKO, 1972

SAVCHENKO, 1972: Zool. Zh., **51**: 1331 (as subgenus of *Gonomyia* MEIGEN, 1818).

Type-species: *Gonomyia abbreviata* LOEW, 1873: Besch. europ. Dipt., **3**: 58 (orig. des.).

abbreviata LOEW, 1873: Besch. europ. Dipt., **3**: 58 (*Gonomyia*). Type-locality: Reichenhall [D].—Distr.: Europe: A, B, CH, CS, D, DDR, F, GB, I, NL, PL, R, S; Asia: Iran.

anomala STROBL, 1880: Progr. k.k. Ober-Gymn. Benedictiner Seitenstetten, **1880**: 64 (*Gonomyia*). Type-locality: Seitenstetten (Austria).

brachistyla SAVCHENKO, 1972: Zool. Zh., **51**: 1340 (*Gonomyia*). Type-locality: near Bilasar, Lenkoran district, Talysh (USSR: Az).—Distr.: USSR: TC (Az).

divergens BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 371 (*Gonomyia*). Type-locality: Sensetal (Switzerland).—Distr.: Europe: CH, CS, D, DDR, F, R.

funesta ALEXANDER, 1936: Philipp. J. Sci., **60**: 188 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

gracilistylus ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 70 (*Gonomyia*). Type-locality: Mt. Hakone, Sagami-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu, Kyushu).

reducta BANGERTER, 1947: Mitt. schweiz. ent. Ges., **20**: 373 (*Gonomyia*). Type-locality: Sensetal (Switzerland).—Distr.: Europe: CH.

Subgenus TEUCHOGONOMYIA ALEXANDER, 1968

ALEXANDER, 1968: Philipp. J. Sci., **96**: 66 (as subgenus of *Gonomyia* MEIGEN, 1818).

Type-species: *Gonomyia noveboracensis* ALEXANDER, 1916: Can. Ent., **48**: 319 (orig. des.); not Palearctic.

curvistyla SAVCHENKO in SAVCHENKO and RYBIN, 1982: Ent. Obozr., **61**: 394 (*Gonomyia*). Type-locality: near Gulcha (USSR: Ki).—Distr.: USSR: SMA (Ki).

edwardsi LACKSCHEWITZ, 1925: Arb. NaturfVer. Riga (N.F.), **16**: 7 (*Gonomyia*). Type-localities: several localities in "Livland" and "Kurland" (USSR: Li, La).—Distr.: Europe: BG, CH, CS, GB, I, R, S, SF; USSR: CET (northwest).

horribilis ALEXANDER, 1941: Philipp. J. Sci., **76**: 60 (*Gonomyia*). Type-locality: Kamikochi, Honshu (Japan).—Distr.: USSR: FE (Sakhalin); Asia: Japan (Honshu). [?Conspecific with *ithyphallus* LACKSCHEWITZ, 1935.]

- ithyphallus** LACKSCHEWITZ, 1935: *Natuurh. Maandbl.*, **24**: 14 (*Gonomyia*).
Type-locality: Tiers [= Tires] (Italy).—Distr.: Europe: A, CH, CS, D, I, R.
[See *horribilis*.]
- quadrilobata** SAVCHENKO, 1983: *Limoniidae of south Primorye*: 101 (*Gonomyia*).
Type-locality: near Primorskiy, Primorskiy kray (USSR).—Distr.: USSR: FE
(Amur obl., Primorskiy kray).

Gymnastes BRUNETTI, 1911

BRUNETTI, 1911: *Rec. Indian Mus.*, **6**: 281.

Type-species: *Gymnastes violaceus* BRUNETTI, 1911: l.c.: 282 (mon.); not Palearctic.

Paragymnastes ALEXANDER, 1922: see below as subgenus.

Subgenus GYMNASTES BRUNETTI, 1911

omeicola ALEXANDER, 1935: *Philipp. J. Sci.*, **57**: 216 (*Gymnastes*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

Subgenus PARAGYMNASTES ALEXANDER, 1922

ALEXANDER, 1922: *Proc. Linn. Soc. N.S.W.*, **47**: 583 (as genus).

Type-species: *Limnobia fascipennis* THOMSON, 1869: *K. Svenska Fregatten Eugénies*, **2**(1): 447 (orig. des.); not Palearctic.

flavitibia (ALEXANDER, 1919): *Ann. ent. Soc. Am.*, **12**: 333 (*Paratropeza*). Type-locality: Chichibu, Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu).

flavitibia apicata ALEXANDER, 1940: *Lingnan Sci. J.*, **19**: 115 (*Gymnastes*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

Idiocera DALE, 1842

DALE, 1842: *Ann. Mag. nat. Hist.*, (1) **8**: 431 (as subgenus of *Limnobia* MEIGEN, 1818).

Type-species: *Limnobia sexguttata* DALE, 1842: l.c.: 431 (mon.).

Ptilostena BERGROTH, 1913: *Ann. Mag. nat. Hist.*, (8) **11**: 575. Type-species: *Ptilostena recurvinervis* BERGROTH, 1913: l.c.: 576 (mon.).

Pseudogonomyia SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, 18: 139. Type-species: *Pseudogonomyia filicina* SANTOS ABREU, 1923: l.c.: 140 (mon.) [= *?pulchripennis* (LOEW, 1856)].

Euptilostena ALEXANDER, 1938: see below as subgenus.

Subgenus EUPTILOSTENA ALEXANDER, 1938

ALEXANDER, 1938: Philipp. J. Sci., 66: 126 (as subgenus of *Gonomyia* MEIGEN, 1818).

Type-species: *Gonomyia reticulata* ALEXANDER, 1921: Bull. Mus. natn. Hist. nat. Paris, (1) 27: 305 (orig. des.).

jucunda (LOEW, 1873): Besch. europ. Dipt., 3: 54 (*Gonomyia*). Type-locality: Galizia (Poland).—Distr.: Europe: A, CH, CS, D, F, PL, R, YU; North Africa: ?Morocco.

multipunctata SAVCHENKO in SAVCHENKO and RYBIN, 1982: Ent. Obozr., 61: 395 (*Idiocera*). Type-locality: 4 km S Kadamchay (USSR: Ki).—Distr.: USSR: SMA (Ki). [*?Conspecific with reticulata* ALEXANDER, 1921.]

pseudojucunda (PIERRE, 1924): Encycl. ent. (B II) Dipt., 1: 81 (*Gonomyia*). Type-locality: Lozère (France).—Distr.: Europe: F.

reticulata (ALEXANDER, 1921): Bull. Mus. natn. Hist. nat. Paris, (1) 27: 305 (*Gonomyia*). Type-locality: Cha Tchéou at Kan Tchéou, Nan Chan, Inner Mongolia (China).—Distr.: Asia: China (Inner Mongolia); India (Kashmir). [See *multipunctata*.]

Subgenus IDIOCERA DALE, 1842

abjecta (ALEXANDER, 1933): Philipp. J. Sci., 50: 152 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

acifurca (ALEXANDER, 1954): Ann. Mag. nat. Hist., (12) 7: 899 (*Gonomyia*). Type-locality: Achmedi Dewane, Bashgul valley, Nuristan (Afghanistan).—Distr.: USSR: SMA (Tj); Asia: Afghanistan; Pakistan, India.

afghanica (NIELSEN, 1963): Stuttg. Beitr. Naturk., No 118: 5 (*Gonomyia*). Type-localities: Almar, Maïmaneh region; Ichkachim at entrance of Vakhm (Afghanistan).—Distr.: USSR: SMA (Ki); Asia: Afghanistan.

alexanderiana (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, 50: 53 (*Gonomyia*). Type-locality: Kula Ljums (Albania).—Distr.: Europe: AL, R.

ampullifera (STARÝ, 1979): Entomologists's mon. Mag., 114: 91 (*Gonomyia*). Type-locality: Siwa depression, Koreishid (Egypt).—Distr.: North Africa: Egypt.

- antilopina** STARYĀ, 1982: Bull. zool. Mus. Univ. Amsterdam, **9**: 30 (*Idiocera*).
Type-locality: Biviere di Cesaro, Sicily (Italy).—Distr.: I (Sicily).
- arete** (ALEXANDER, 1958): Philipp. J. Sci., **86**: 311 (*Gonomyia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- bidens** SAVCHENKO, 1979: Dokl. Akad. Nauk ukr. RSR (B), **1979**: 772 (*Idiocera*).
Type-locality: Myussera, Pitsunda nature reserve, Abkhaz ASSR (USSR: Ge).—Distr.: USSR: TC (northwest).
- bradleyi** (EDWARDS, 1939): Entomologist's mon. Mag., **75**: 247 (*Gonomyia*).
Type-locality: Wyre Forest, Worcsire (Great Britain).—Distr.: Europe: CS, D, GB, R; USSR: SET (Carpathians), TC (Ge).
- connexa** (LOEW, 1873): Besch. europ. Dipt., **3**: 55 (*Gonomyia*). Type-localities: St. Moritz (Switzerland); Wiener Schneeberg (Austria).—Distr.: Europe: A, CH, D, F, ?GB [=?sziladyi].
- curticurva** (ALEXANDER, 1975): JI N.Y. ent. Soc., **83**: 2 (*Gonomyia*). Type-locality: Bar (Iran).—Distr.: Asia: Iran.
- hasta** STARYĀ, 1982: Bull. zool. Mus. Univ. Amsterdam, **9**: 32 (*Idiocera*). Type-locality: Michurin (Bulgaria).—Distr.: Europe: BG.
- insidiosa** (ALEXANDER, 1938): Philipp. J. Sci., **66**: 331 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- kowalskii** STARYĀ et KRZEMIŃSKI, 1984: Annotnes zool.-bot. Bratisl., **159**: 1 (*Idiocera*). Type-locality: Monkey valley, Chiffa near Blida (Algeria).—Distr.: North Africa: Algeria.
- kuwayamai** (ALEXANDER, 1926): Philipp. J. Sci., **31**: 368 (*Gonomyia*). Type-locality: Maruyama, near Sapporo, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- lackschewitzi** (STARYĀ, 1977): Entomologist's mon. Mag., **112**: 69 (*Gonomyia*, as new name for *Gonomyia punctata* LACKSCHEWITZ, 1940, a junior primary homonym of *Gonomyia punctata* EDWARDS, 1938).—Distr.: Europe: AL.
punctata (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 52 (*Gonomyia*). Type-locality: Kula Ljums (Albania) (the same by lectotype des. of STARYĀ, 1977).
- laterospina** (ALEXANDER, 1975): JI N.Y. ent. Soc., **83**: 3 (*Gonomyia*). Type-locality: Bar (Iran).—Distr.: USSR: TC (Arm); Asia: Iran.
- [maharaja** (ALEXANDER, 1961): JI N.Y. ent. Soc., **69**: 124 (*Gonomyia*). Type-locality: Lata, Pauri Garhwal, Kumaon (India).—Distr.: USSR: ?SMA (?Tj); Asia: India.]
- multiarmata** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 193 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- nigrilobata** (ALEXANDER, 1957): Philipp. J. Sci., **85**: 372 (*Gonomyia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu).
- octavia** (ALEXANDER, 1938): Philipp. J. Sci., **66**: 333 (*Gonomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

- octoapiculata** (SAVCHENKO, 1972): Zool. Zh., **51**: 1333 (*Gonomyia*). Type-locality: near Gosmalyan, Diabar gorge, Talysh (USSR: Az).—Distr.: USSR: TC (Az).
- ornatula** (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 725 (*Gonomyia*). Type-locality: Kazakh (USSR: Az).—Distr.: USSR: TC (Az).
- orthophallus** (ALEXANDER, 1975): Jl N.Y. ent. Soc., **83**: 4. (*Gonomyia*). Type-locality: Durbadam (Iran).—Distr.: Asia: Iran.
- pallens** (ALEXANDER, 1928): Philipp. J. Sci., **36**: 474 (*Gonomyia*). Type-locality: Sakunami, near Sendai, Miyagi pref., Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu). [See *perpallens*.]
- perpallens** (ALEXANDER, 1938): Philipp. J. Sci., **67**: 160 (*Gonomyia*). Type-locality: Ompo (North Korea).—Distr.: USSR: WS (Sayan Mts), FE (Kamchatka, Primorskiy kray, Kuril Is); Asia: North Korea. [?Conspecific with *pallens* ALEXANDER, 1928.]
- przewalskii** (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 722 (*Gonomyia*). Type-locality: northeast Zaidam, river Bomyn, Itchegyn, Gobi, Inner Mongolia (China).—Distr.: Asia: China (Inner Mongolia).
- pulchripennis** (LOEW, 1856): Programm k. Realschule zu Meseritz, **1856**: 23 (*Limnobia*). Type-locality: Neusiedler See (Austria).—Distr.: Europe: A, AL, BG, CH, CS, CY, DK, GR, H, PL, R, YU; USSR: SET (Uk), TC, SMA; Asia: Israel, Iran, Afghanistan; North Africa: Morocco, Algeria, Egypt; Canary Is.
- filicina** (SANTOS ABREU, 1923): Mem. R. Acad. Cienc. Artes Barcelona, **18**: 140 (*Pseudogonomyia*). Type-locality: Barranco del Río, La Palma (Canary Is). [Synonymy not certain.]
- similior** (ALEXANDER, 1956): Ann. Mag. nat. Hist., (12) **9**: 50 (*Gonomyia*). Type-locality: Kandahar-Kuna (Afghanistan).
- punctata** (EDWARDS, 1938): Trans. Soc. Br. Ent., **5**: 107 (*Gonomyia*). Type-locality: Mulgrave woods, Yorkshire (Great Britain) (the same by lectotype des. of STARY, 1977).—Distr.: Europe: A, BG, CH, CS, GB, I; USSR: TC (Az); Asia: ?Afghanistan.
- recurvinervis** (BERGROTH, 1913): Ann. Mag. nat. Hist., (8) **11**: 576 (*Ptilostena*). Type-localities: Verni [= Alma-Ata]; Kendyktau Mts (USSR).—Distr.: USSR: KZ.
- sachalinensis** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 590 (*Gonomyia*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).
- sarobiensis** (NIELSEN, 1961): Beitr. naturk. Forsch. SüdWtl., **19**: 305 (*Gonomyia*). Type-locality: Sarobi (Afghanistan).—Distr.: USSR: SMA (Tj); Asia: Afghanistan. [?Conspecific with *sziladyi* LACKSCHEWITZ, 1940.]
- schrenkii** (MIK in HEYDEN, 1889): Horae Soc. ent. ross., **23**: 98 (*Gonomyia*). Type-locality: east Kirghizia (USSR).—Distr.: USSR: TC (Az), KZ (Zailiyskiy Alatau), SMA; Asia: Mongolia.

- serrulifera** (ALEXANDER, 1957): Philipp. J. Sci., **85**: 373 (*Gonomyia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu).
- sexdentata** (NIELSEN, 1963): Stuttg. Beitr. Naturk., No **118**: 6 (*Gonomyia*). Type-locality: Paghman [= ?Paghman] (Afghanistan).—Distr.: Asia: Afghanistan.
- sexguttata** (DALE, 1842): Ann. Mag. nat. Hist., (1) **8**: 431 (*Limnobia*). Type-localities: Cosmore; New Forest; Charmouth (Great Britain).—Distr.: Europe: GB.
- shantungensis** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 77 (*Gonomyia*). Type-locality: Mt. Lau, east of Tsingtao, Shandong (China).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Shikoku), China (Shandong).
- spinulistyla** (ALEXANDER, 1975): Jl N.Y. ent. Soc., **83**: 6 (*Gonomyia*). Type-locality: Bar (Iran).—Distr.: Asia: Iran.
- subpruinosa** (ALEXANDER, 1924): Philipp. J. Sci., **24**: 588 (*Gonomyia*). Type-locality: Jozankei, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu).
- sziladyi** (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, **50**: 54 (*Gonomyia*). Type-locality: Varsec (Bulgaria).—Distr.: Europe: BG, CS, ?GB, R; North Africa: Algeria, Egypt; Canary Is. [See *connexa* and *sarobiensis*.]
- teranishii** (ALEXANDER, 1921): Ann. ent. Soc. Am., **14**: 118 (*Gonomyia*). Type-locality: Koiwai farm, near Morioka, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu), China (Sichuan, Zhejiang); China (Fujian).
- theowaldi** SAVCHENKO in SAVCHENKO and RYBIN, 1982: Ent. Obozr., **61**: 396 (*Idiocera*). Type-locality: Osh (USSR: Ki).—Distr.: USSR: SMA (Ki).

Idlognophomyia ALEXANDER, 1956

ALEXANDER, 1956: Ann. Natal Mus., **13**: 403 (as subgenus of *Gnophomyia* OSTEN SACKEN, 1860).

Type-species: *Gnophomyia capicola* ALEXANDER, 1934: Encycl. ent. (B II) Dipt., **7**: 57 (orig. des.); not Palaearctic.

- collata** (ALEXANDER, 1932): Philipp. J. Sci., **49**: 395 (*Gnophomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- laterospinosa** (ALEXANDER, 1928): Philipp. J. Sci., **36**: 473 (*Gnophomyia*). Type-locality: Tatusawa, near Inawashiro, Fukushima pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).

Lipsothrix LOEW, 1873

LOEW, 1873: *Beschr. europ. Dipt.*, **3**: 67.

Type-species: *Lipsothrix nobilis* LOEW, 1873: l.c.: 67 (mon.).

Electrolabis ALEXANDER, 1931: *Bernst. Forsch.*, **2**: 58 (fossil). Type-species: *Electrolabis extincta* ALEXANDER, 1931: l.c.: 58 (mon.) (fossil).

apicifusca ALEXANDER, 1957: *Philipp. J. Sci.*, **85**: 377 (*Lipsothrix*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

babai ALEXANDER, 1958: *Philipp. J. Sci.*, **86**: 314 (*Lipsothrix*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

ecucullata EDWARDS, 1938: *Trans. Soc. Br. Ent.*, **5**: 102 (*Lipsothrix*). Type-locality: Inveran, Sutherland (Great Britain).—Distr.: Europe: A, CS, D, DK, GB, N, S; USSR: NET (southwest), CET (northwest, south Ural), SET (Carpathians).

errans (WALKER, 1848): *List Dipt. Brit. Mus.*, **1**: 55 (*Limnobia*). Type-locality: England (Great Britain).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, PL, R, S, YU; USSR: NET (southwest), CET (northwest), SET (west).

icterica (EGGER, 1863): *Verh. zool.-bot. Ges. Wien*, **13**: 1105 (*Trichosticha*). Type-locality: Gmunden (Austria).

leucopeza ALEXANDER, 1953: *Philipp. J. Sci.*, **82**: 170 (*Lipsothrix*). Type-locality: Totidani, near Yanase, Tosa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

mirabilis ALEXANDER, 1940: *Philipp. J. Sci.*, **71**: 192 (*Lipsothrix*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

nervosa EDWARDS, 1938: *Trans. Soc. Br. Ent.*, **5**: 103 (*Lipsothrix*). Type-locality: Rousdon, east Devon (Great Britain).—Distr.: Europe: GB.

nigristigma EDWARDS, 1938: *Trans. Soc. Br. Ent.*, **5**: 102 (*Lipsothrix*). Type-locality: Clayton-le-Dale, Lancashire (Great Britain).—Distr.: Europe: GB, R; USSR: CET (Li), SET (Crimea), TC (Ge). [?Conspecific with *nobilis* LOEW, 1873.]

nigristigma iranica ALEXANDER, 1975: *Jl N.Y. ent. Soc.*, **83**: 121 (*Lipsothrix*, as species). Type-locality: Ardehjan (Iran).—Distr.: USSR: TC (Az); Asia: Iran.

nobilis LOEW, 1873: *Beschr. europ. Dipt.*, **3**: 67 (*Lipsothrix*). Type-locality: As (Czechoslovakia).—Distr.: Europe: A, CS, D, F, YU. [See *nigristigma*.]

remota (WALKER, 1848): *List Dipt. Brit. Mus.*, **1**: 43. (*Limnobia*). Type-locality: England (Great Britain).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F, GB, H, I, NL, PL, R, S, YU; USSR: CET (northwest), SET (west). [See *tokunagai*.]

ignota (WALKER, 1848): *List Dipt. Brit. Mus.*, **1**: 43 (*Limnobia*). Type-locality: England (Great Britain).

- clara* (TONNOIR in GOETGHEBUER and TONNOIR, 1921): Bull. Soc. ent. Belg., 3: 52 (*Limnophila*). Type-locality: Buzenol, Jura (Belgium).
- tokunagai** ALEXANDER, 1933: Philipp. J. Sci., 50: 152 (*Lipsothrix*). Type-locality: Mt. Daisen, Tottori, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu). [?Conspecific with *remota* WALKER, 1848.]
- yakushimae** ALEXANDER, 1930: Philipp. J. Sci., 42: 75 (*Lipsothrix*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- yamamotoana** ALEXANDER, 1950: Ann. ent. Soc. Am., 43: 433 (*Lipsothrix*). Type-locality: Funakosi, Iwate pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- yamamotoana omogoensis** ALEXANDER, 1954: Philipp. J. Sci., 82: 301 (*Lipsothrix*). Type-locality: Omogokei, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

Rhabdomastix SKUSE, 1890

SKUSE, 1890: Proc. Linn. Soc. N.S.W., (2) 4: 828.

Type-species: *Rhabdomastix ostensackeni* SKUSE, 1890: l.c.: 829 (mon.); not Palearctic.

Palaeogonomyia MEUNIER, 1899: see below as subgenus.

Sacandaga ALEXANDER, 1911: see below as subgenus.

Subgenus **PALAEOGONOMYIA** MEUNIER, 1899

MEUNIER, 1899: Bull. Soc. ent. Fr., 1899: 359 (as genus) (fossil).

Type-species: *Gonomyia pulcherrima* MEUNIER, 1906: Ann. Sci. nat., (Zool.), (9) 4: 372 (des. ALEXANDER, 1931: Bernst. Forsch., 2: 112) (fossil).

hirticornis (LACKSCHEWITZ, 1940): Annln naturh. Mus. Wien, 50: 55 (*Gonomyia*). Type-locality: Kula Ljums (Albania).—Distr.: Europe: AL, CH, CS, PL, R; USSR: SET (Bukovina).

signata BANGERTER, 1947: Mitt. schweiz. ent. Ges., 20: 377 (*Rhabdomastix*). Type-locality: Sense river between Thörishaus and Grasburg (Switzerland).

leucophaea SAVCHENKO, 1976: Dopov. Akad. Nauk ukr. RSR (B), 1976: 561 (*Rhabdomastix*). Type-locality: Saribash (USSR: Az).—Distr.: USSR: TC (Az).

omeina ALEXANDER, 1932: Philipp. J. Sci., 49: 394 (*Rhabdomastix*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

Subgenus SACANDAGA ALEXANDER, 1911

ALEXANDER, 1911: Ent. News, 22: 349 (as genus).

Type-species: *Sacandaga flava* ALEXANDER, 1911: l.c.: 351 (orig. des.); not Palaearctic.

angusticellula ALEXANDER, 1957: Philipp. J. Sci., 85: 378 (*Rhabdomastix*).

Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

atrata ALEXANDER, 1925: Ann. ent. Soc. Am., 17: 436 (*Rhabdomastix*). Type-locality: Emimura, Chiba pref., Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu).

beckeri (LACKSCHEWITZ, 1935): Natuurh. Maandbl., 24: 13 (*Sacandaga*). Type-locality: Orsova, Banat (Roumania).—Distr.: Europe: CS, R.

cunctans TJEDER, 1955: Opusc. ent., 20: 226 (*Rhabdomastix*). Type-locality: Vensnäsudden, Mora (Sweden).—Distr.: Europe: S (central). [?Conspecific with *laeta* LOEW, 1873.]

edwardsi TJEDER, 1967: Opusc. ent., 32: 225 (*Rhabdomastix*). Type-locality: Sidmouth, Devonshire (Great Britain).—Distr.: Europe: CS, GB.

[**emodicola** ALEXANDER, 1957: Ann. Mag. nat. Hist., (12) 10: 291 (*Rhabdomastix*). Type-locality: Dhanni, Kashmir (Pakistan).—Distr.: USSR: ?SMA (?Ki); Asia: Pakistan.]

holomelania ALEXANDER, 1935: Philipp. J. Sci., 56: 558 (*Rhabdomastix*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).

inclinata EDWARDS, 1938: Trans. Soc. Br. Ent., 5: 116 (*Rhabdomastix*). Type-locality: near Whitby, Mulgrave Woods, Yorkshire (Great Britain).—Distr.: Europe: GB, R; USSR: ?SET (?Carpathians).

japonica ALEXANDER, 1924: Ann. ent. Soc. Am., 17: 69 (*Rhabdomastix*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu). [?Conspecific with *laeta* LOEW, 1873.]

laeta (LOEW, 1873): Besch. europ. Dipt., 3: 60 (*Gonomyia*). Type-locality: Reichenhall [D].—Distr.: Europe: A, AL, B, BG, CH, CS, D, DK, F, GB, I, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (northwest), SET (southwest), WS (Altai); Asia: Mongolia. [See *cunctans* and *japonica*.]

hilaris EDWARDS, 1938: Trans. Soc. Br. Ent., 5: 114 (*Rhabdomastix*). Type-localities: Aviemore; Nethy Bridge; Rannoch (Great Britain).

lapponica TJEDER, 1936: Ent. Tidskr., 57: 133 (*Rhabdomastix*). Type-locality: Pátsojokk, Abisko (Sweden).—Distr.: Europe: N, S; USSR: FE (Chukotka, Kuril Is, ?Kamchatka). [?Conspecific with *borealis* ALEXANDER, 1924, from the Nearctic Region.]

infuscata (LACKSCHEWITZ, 1936): Norsk ent. Tidsskr., 4: 116 (*Sacandaga*). Type-locality: Abiskojokk, Lappmark (Sweden).

- lurida** (LOEW, 1873): Besch. europ. Dipt., 3: 62 (*Gonomyia*). Type-localities: Reichenhall; "am Rhein" [D].—Distr.: Europe: A, CH, CS, D, F, I, R; USSR: SET (west).
- luridoides** ALEXANDER, 1940: Philipp. J. Sci., 71: 53 (*Rhabdomastix*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.
- microxantha** ALEXANDER, 1958: Philipp. J. Sci., 85: 316 (*Rhabdomastix*). Type-locality: Kurokawa, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- minicola** ALEXANDER, 1934: Philipp. J. Sci., 54: 338 (*Rhabdomastix*). Type-locality: on Min river, Sichuan (China).—Distr.: Asia: China (Sichuan).
- nebulifera** ALEXANDER, 1957: Philipp. J. Sci., 85: 380 (*Rhabdomastix*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: ?FE (?Sakhalin); Asia: Japan (Honshu).
- nigroapicata** ALEXANDER, 1940: Philipp. J. Sci., 71: 51 (*Rhabdomastix*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.
- parva** (SIEBKE, 1863): Nyt Mag. Naturvid., 12: 178 (*Limnobia*). Type-localities: Dovre; Fokstuen; Kongvold (Norway) (Kongvold, Norway, by lectotype des. of TJEDER, 1964).—Distr.: Europe: IS, N, S, SF.
- sadoensis** ALEXANDER, 1958: Philipp. J. Sci., 86: 317 (*Rhabdomastix*). Type-locality: Mt. Donden, Sado, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- schistacea** (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 146 (*Limnobia*). Type-locality: near Wrocław (Poland).—Distr.: Europe: PL. [Subgeneric position not certain.]
- shansica** ALEXANDER, 1954: Mushi, 27: 30 (*Rhabdomastix*). Type-locality: Wangmaochen, Shanxi (China).—Distr.: Asia: China (Shanxi).
- [**shardiana** ALEXANDER, 1957: Ann. Mag. nat. Hist., (12) 10: 292 (*Rhabdomastix*). Type-locality: Shardi, NW Frontier prov. (Pakistan).—Distr.: USSR: ?KZ, ?SMA; Asia: Pakistan.]
- spatulifera** ALEXANDER, 1940: Philipp. J. Sci., 71: 52 (*Rhabdomastix*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Kuril Is); Asia: North Korea.
- subparva** STARY, 1971: Cas. morav. Mus. Brne, 55: 154 (*Rhabdomastix*). Type-locality: Brno, Ricka-Tal, Moravia (Czechoslovakia).—Distr.: Europe: A, ?AL, BG, CH, CS, D, DDR, I, PL, R, YU; USSR: SET (Carpathians).
- ussurica** ALEXANDER, 1934: Philipp. J. Sci., 52: 343 (*Rhabdomastix*). Type-locality: Tigrovoy, Partisansk district, Primorskiy kray (USSR).—Distr.: FE (Primorskiy kray).
- usuriensis** ALEXANDER, 1925: Proc. U.S. natn. Mus., 68(4): 13 (*Rhabdomastix*). Type-locality: Okeanskaya, near Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.

Teucholabis OSTEN SACKEN, 1860

OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., 1859: 222.

Type-species: *Teucholabis complexa* OSTEN SACKEN, 1860: l.c.: 223 (mon.); not Palearctic.

Paratropesa SCHINER, 1866: see below as subgenus.

Euparatropesa ALEXANDER, 1946: see below as subgenus.

Subgenus EUPARATROPESA ALEXANDER, 1946

ALEXANDER, 1946: Revta Ent., 17: 378 (as subgenus of *Teucholabis* OSTEN SACKEN, 1860).

Type-species: *Paratropesa jactans* ALEXANDER, 1913: Ent. News, 24: 447 (orig. des.); not Palearctic.

esakii (ALEXANDER, 1924): Philipp. J. Sci., 24: 591 (*Paratropesa*). Type-locality: Maruyama, Hokkaido (Japan).—Distr.: USSR: FE (Amur obl., Primorskiy kray, Kuril Is); Asia: Japan (Hokkaido).

Subgenus PARATROPESA SCHINER, 1866

SCHINER, 1866: Verh. zool.-bot. Ges. Wien, 16: 932 (as genus).

Type-species: *Paratropesa singularis* SCHINER, 1868: Reise Novara, Zool., 2(1) (B): 46 (orig. des.); not Palearctic.

inouei ALEXANDER, 1955: Ann. ent. Soc. Am., 48: 374 (*Teucholabis*). Type-locality: Mt. Takao, Musashi, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

Subgenus TEUCHOLABIS OSTEN SACKEN, 1860

scitamenta ALEXANDER, 1931: Philipp. J. Sci., 44: 360 (*Teucholabis*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

yezoensis ALEXANDER, 1924: Philipp. J. Sci., 24: 593 (*Teucholabis*). Type-locality: Shikaripetsu, Hokkaido (Japan).—Distr.: USSR: FE (Amur obl., Khabarovskiy kray, Primorskiy kray); Asia: Japan (Hokkaido).

Trentepohlia BIGOT, 1854

BIGOT, 1854: *Annls Soc. ent. Fr.*, (3) 2: 456 and 473.

Type-species: *Limnobia trentepohlii* WIEDEMANN, 1828: *Aussereurop. zweifl. Insekt.*, 1: 551 (mon.); not Palaearctic. [The type-species in the original designation is *Trentepohlia limnobioides* BIGOT, 1854, but this name is a nomen nudum. *Limnobia trentepohlii* WIEDEMANN, 1828, is the only other originally included species.]

Mongoma WESTWOOD, 1881: see below as subgenus.

Subgenus **MONGOMA** WESTWOOD, 1881

WESTWOOD, 1881: *Trans. R. ent. Soc. Lond.*, 1881: 364 (as genus).

Type-species: *Mongoma fragillima* WESTWOOD, 1881: l.c.: 364 (mon.); not Palaearctic.

enervata ALEXANDER, 1936: *Philipp. J. Sci.*, 60: 347 (*Trentepohlia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

pennipes (OSTEN SACKEN, 1887): *Berl. ent. Z.*, 31: 204 (*Mongoma*). Type-locality: Tumbong Hiong, Kalimantan (Indonesia).—Distr.: Asia: China (Zhejiang); Afrotropical and Oriental Regions, New Guinea, Bismarck Arch.

subpennipes ALEXANDER, 1957: *Philipp. J. Sci.*, 85: 371 (*Trentepohlia*). Type-locality: Yoshigohira, Mt. Sumon, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

Subgenus **TRENTEPOHLIA** BIGOT, 1854

bifascigera ALEXANDER, 1940: *Lingnan Sci. J.*, 19: 114 (*Trentepohlia*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

efflatouni PIERRE, 1923: *Bull. Soc. R. ent. Égypte*, 1922: 83 (*Trentepohlia*). Type-localities: Ghézireh; Nouzha; Cléopâtra (Egypt).—Distr.: North Africa: Egypt.

septemtrionalis ALEXANDER, 1921: *Ann. ent. Soc. Am.*, 14: 119 (*Trentepohlia*). Type-locality: Nakano, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

Subfamily Limoniinae

Tribe Elephantomyiini

Elephantomyia OSTEN SACKEN, 1860

OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., 1859: 220.

Type-species: *Limnobia rhynchus canadensis*: OSTEN SACKEN, 1860: l.c.: 220, not *canadensis* WESTWOOD, 1835: Annls Soc. ent. Fr., (1) 4: 684, misidentification (mon.) [= *westwoodi* OSTEN SACKEN, 1869]; not Palaearctic.

Elephantomyodes ALEXANDER, 1923: see below as subgenus.

Subgenus **ELEPHANTOMYIA** OSTEN SACKEN, 1860

carbo ALEXANDER, 1938: Philipp. J. Sci., 66: 326 (*Elephantomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

dietziana ALEXANDER, 1930: Philipp. J. Sci., 42: 526 (*Elephantomyia*). Type-locality: Kirishima, Kyushu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).

dietziana plumbea ALEXANDER, 1954: Philipp. J. Sci., 82: 298 (*Elephantomyia*). Type-locality: Mt. Tsurugi, Awa, Minokosi, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

edwardsi LACKSCHEWITZ, 1932: Konowia, 11: 220 (*Elephantomyia*). Type-locality: near Kalwen, 45 km NE Liepāja (USSR: La).—Distr.: Europe: A, CH, CS, D, R, S, SF; USSR: NET (southwest), CET (northwest), SET (Carpathians).

westwoodi: European authors, not OSTEN SACKEN, 1869, misidentifications.

hokkaidensis ALEXANDER, 1924: Philipp. J. Sci., 24: 580 (*Elephantomyia*). Type-locality: Abashiri, Hokkaido (Japan).—Distr.: USSR: FE (Amur obl., Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku).

insolita ALEXANDER, 1940: Philipp. J. Sci., 71: 191 (*Elephantomyia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

krivosheinae SAVCHENKO, 1976: Dopov. Akad. Nauk ukr. RSR (B), 1976: 467 (*Elephantomyia*). Type-locality: Ussuri nature reserve, Primorskiy kray (USSR).—Distr.: Europe: CS; USSR: CET, WS (Altai, Tuva), FE (Khabarovskiy kray, Primorskiy kray).

palmata ALEXANDER, 1947: Ann. ent. Soc. Am., 40: 358 (*Elephantomyia*). Type-locality: Mt. Ontake, Hida, Japanese Alps, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

- subterminalis** ALEXANDER, 1954: Philipp. J. Sci., **82**: 299 (*Elephantomyia*).
Type-locality: Mt. Tsurugi, Awa, Minokosi to Nagoro, Shikoku (Japan).
—Distr.: USSR: FE (Khabarovskiy kray, Primorskiy kray); Asia: Japan (Shikoku).
- takachihoi** ITO, 1948: Mushi, **18**: 90 (*Elephantomyia*). Type-locality: Hikosan (Buzen), Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- tetracantha** ALEXANDER, 1954: Philipp. J. Sci., **82**: 300 (*Elephantomyia*). Type-locality: Mt. Tsurugi, Awa, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).
- zonata** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 74 (*Elephantomyia*). Type-locality: near Mendeleyevo, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is).

Subgenus ELEPHANTOMYODES ALEXANDER, 1923

ALEXANDER, 1923: Ann. ent. Soc. Am., **16**: 64 (as subgenus of *Elephantomyia* OSTEN SACKEN, 1860).

Type-species: *Elephantomyia major* ALEXANDER, 1923: l.c.: 63 (orig. des.); not Palaearctic.

sophiarum ITO, 1948: Mushi, **18**: 91 (*Elephantomyia*). Type-locality: Inunaki-tôge (Chikuzen), Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).

Helius LEPELETIER et SERVILE, 1828

LEPELETIER et SERVILE in LATREILLE et al., 1828: Encycl. meth. (Ins.), **10**(2): 831 (as alternative original name for *Megarhina* LEPELETIER et SERVILE, 1828).

Type-species: *Limnobia longirostris* MEIGEN, 1818: Syst. Besch., **1**: 146 (aut.).

Megarhina LEPELETIER et SERVILE in LATREILLE et al., 1828: Encycl. meth. (Ins.), **10**(2): 585. Type-species: *Limnobia longirostris* MEIGEN, 1818: Syst. Besch., **1**: 146 (mon.).

[Of the above-mentioned two concurrently published names the usage of *Helius* has long been settled on the first reviser principle.]

Leptorhina STEPHENS, 1829: Syst. Cat. Brit. Ins., **2**: 243. Type-species: *Limnobia longirostris* MEIGEN, 1818: Syst. Besch., **1**: 146 (mon.).

Rhamphidia MEIGEN, 1830, Syst. Besch., **6**: 281. Type-species: *Limnobia longirostris* MEIGEN, 1818: Syst. Besch., **1**: 146 (des. WESTWOOD, 1840: Synopsis: 129).

brevioricornis (ALEXANDER, 1920): Trans. Am. ent. Soc., **46**: 8 (*Rhamphidia*).
Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu,

Shikoku).

calviensis EDWARDS, 1928: *Encycl. ent. (B II) Dipt.*, **4**: 183 (*Helius*). Type-locality: Calvi, Corsica (France).—Distr.: Europe: BG, F (Corsica), I (incl. Sicily).

corniger SAVCHENKO, 1983: *Limoniidae of south Primorye*: 65 (*Helius*). Type-locality: near Gajvoron, Spassk region, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

flavus (WALKER, 1856): *Ins. Brit.*, *Dipt.*, **3**: 309 (*Rhamphidia*). Type-locality: not given (Great Britain).—Distr.: Europe: A, BG, CH, CS, D, DDR, DK, F, GB, NL, PL, R, S; USSR: NET (southwest), CET (northwest), SET (Carpathians), FE (Primorskiy kray).

franckianus ALEXANDER, 1940: *Philipp. J. Sci.*, **71**: 183 (*Helius*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

gibbifer SAVCHENKO, 1981: *Vestn. zool.*, **1981**(1): 23 (*Helius*). Type-locality: shore of Zun-tarey lake, Chitinsk obl. (USSR).—Distr.: USSR: ES (south).

gracillimus ALEXANDER, 1938: *Philipp. J. Sci.*, **67**: 143 (*Helius*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea.

hispanicus LACKSCHEWITZ, 1928: *Annln naturh. Mus. Wien*, **42**: 242 (*Helius*). Type-locality: Algeciras (Spain).—Distr.: Europe: E, GB (Devon); USSR: TC; Asia: Iran.

infirmus ALEXANDER, 1932: *Philipp. J. Sci.*, **49**: 385 (*Helius*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

longirostris (MEIGEN, 1818): *Syst. Besch.*, **1**: 146 (*Limnobia*). Type-locality: Kiel [D].—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, IRE, NL, PL, R, S, SF; USSR: NET (southwest), CET, SET (Uk, southeast); Asia: Israel; North Africa: ?Egypt.

inornatus (MEIGEN, 1830): *Syst. Besch.*, **6**: 282 (*Rhamphidia*). Type-locality: not given ("von Hrn. Wiedemann").

dubius EDWARDS, 1921: *Trans. R. ent. Soc. Lond.*, **1921**: 206 (*Helius*). Type-localities: Lymington; Tunbridge Wells; Radwell; Corriegills; Gormire; Austwick; Hampstead (Great Britain).

longirostris ussuriensis SAVCHENKO, 1983: *Limoniidae of south Primorye*: 65 (*Helius*). Type-locality: Primorskiy, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

nawaianus ALEXANDER, 1929: *Philipp. J. Sci.*, **40**: 532 (*Helius*). Type-locality: Oi, Gifu, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu).

nipponensis (ALEXANDER, 1913): *Can. Ent.*, **45**: 207 (*Rhamphidia*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu), China (Zhejiang).

obliteratus (ALEXANDER, 1920): *Trans. Am. ent. Soc.*, **46**: 7 (*Rhamphidia*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia:

- Japan (Honshu, Shikoku, Kyushu).
pallidissimus ALEXANDER, 1930: Philipp. J. Sci., **42**: 515 (*Helius*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
pallirostris EDWARDS, 1921: Trans. R. ent. Soc. Lond., **1921**: 206 (*Helius*). Type-localities: Letchworth; Slapton (Great Britain).—Distr.: Europe: A, CH, CS, D, DDR, DK, GB, H, NL, PL, R, S; USSR: CET (west), SET (south-west), TC (Talysh), SMA (Tu, Tj); Asia: Iran.
pluto ALEXANDER, 1932: Philipp. J. Sci., **49**: 118 (*Helius*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
polionota ALEXANDER, 1938: Philipp. J. Sci., **67**: 142 (*Helius*). Type-locality: Chonsani, Paiktusan (North Korea).—Distr.: USSR: FE (Amur obl.); Asia: North Korea.
tenuirostris ALEXANDER, 1924: Philipp. J. Sci., **24**: 560 (*Helius*). Type-locality: Mt. Minomo, Settsu-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
tienmuanus ALEXANDER, 1940: Lingnan Sci. J., **19**: 129 (*Helius*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

Protohelius ALEXANDER, 1928

- ALEXANDER, 1928: Philipp. J. Sci., **35**: 466.
 Type-species: *Protohelius issikii* ALEXANDER, 1928: l.c.: 467 (orig. des.); not Palaearctic.
nigricolor ALEXANDER, 1940: Lingnan Sci. J., **19**: 113 (*Protohelius*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

Tribe Antochini

Antocha OSTEN SACKEN, 1860

- OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 219.
 Type-species: *Antocha saxicola* OSTEN SACKEN, 1860: l.c.: 219 (des. COQUILLET, 1910: Proc. U.S. nat. Mus., **37**: 508); not Palaearctic.
Taphrophila RONDANI, 1856: Dipt. Ital. Prodromus, **1**: 185. Type-species: *Limnobia inusta*: RONDANI, 1856: l.c.: 185, not MEIGEN, 1818: Syst. Besch., **1**: 135, misidentified type-species (orig. des.).
 [In the interest of stability and in accordance with usage the authors have adopted for this catalogue the name *Antocha*, whereas HUTSON and VANE-WRIGHT, 1969, recommend to consider *Taphrophila* as a senior synonym of *Antocha*. The original type-designation of *Taphrophila* is based on a misidentification and the description of

Taphrophila refers to *Antocha* (HUTSON and VANE-WRIGHT, 1969). In this case a subsequent type-designation is required. Acceptance of the original, misidentified type-species can not be recommended because *Taphrophila* would then become a senior synonym of the genus *Atypophthalmus*.]

Orimargula MIK, 1883: see below as subgenus.

Proantocha ALEXANDER, 1919: see below as subgenus.

Subgenus ANTOCHA OSTEN SACKEN, 1860

biacus SAVCHENKO, 1981: Vestn. zool., **1981**(1): 27 (*Antocha*). Type-locality: near Varzob, Gissar Mts (USSR: Tj).—Distr.: USSR: SMA (Tj).

bidens ALEXANDER, 1932: Philipp. J. Sci., **49**: 391 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

bidigitata ALEXANDER, 1954: Philipp. J. Sci., **82**: 288 (*Antocha*). Type-locality: Omogokei, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

bifida ALEXANDER, 1924: Philipp. J. Sci., **24**: 564 (*Antocha*). Type-locality: Jozankei, Hokkaido (Japan).—Distr.: USSR: south Siberia from Altai to Primorskiy kray and Kuril Is; Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu), North Korea, China (as far south as Guangdong); Taiwan, Philippines.

pallida LACKSCHEWITZ, 1964: Ent. Obozr., **43**: 716 (*Antocha*). Type-locality: Ustye, Irkutsk district (USSR).

brevinervis ALEXANDER, 1924: Philipp. J. Sci., **24**: 567 (*Antocha*). Type-locality: Jozankei, Hokkaido (Japan) (invalid new holotype des. by ALEXANDER, 1936).—Distr.: Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).

spicata ALEXANDER, 1936: Philipp. J. Sci., **59**: 238 (*Antocha*). Type-locality: Kibune, Kyoto pref., Honshu (Japan). [Considered a junior synonym of *brevinervis* ALEXANDER, 1924, because the type-material of *spicata* includes, as a paratype, the original holotype of *brevinervis*.]

brevistyla ALEXANDER, 1924: Philipp. J. Sci., **24**: 567 (*Antocha*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido).

confluenta ALEXANDER, 1926: Philipp. J. Sci., **31**: 364 (*Antocha*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

constricta ALEXANDER, 1932: Philipp. J. Sci., **49**: 386 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

dentifera ALEXANDER, 1924: Ann. ent. Soc. Am., **17**: 63 (*Antocha*). Type-locality: Mt. Takao, Musashi-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

dilatata ALEXANDER, 1924: Philipp. J. Sci., **24**: 566 (*Antocha*). Type-locality: Kamiotoineppu, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Hokkaido, Shikoku).

- emarginata** ALEXANDER, 1938: Philipp. J. Sci., **66**: 470 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- flavidibasis** ALEXANDER, 1938: Philipp. J. Sci., **66**: 318 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- fortidens** ALEXANDER, 1933: Philipp. J. Sci., **51**: 537 (*Antocha*). Type-locality: near Tang-Gu (China).—Distr.: Asia: China (Tibet border).
- gracillima** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 67 (*Antocha*). Type-locality: Mt. Wakasugi, Chikuzen-no-kuni, Kyushu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu).
- hirtipes** SAVCHENKO, 1971: Dopov. Akad. Nauk ukr. RSR (B), **1971**: 855 (*Antocha*). Type-locality: near Orlovka, Bogdanovskiy district, Dzhavakhet upland (USSR: Ge).—Distr.: USSR: TC (Ge).
- indica** BRUNETTI, 1912: Fauna Brit. India, Dipt., **1**: 426 (*Antocha*). Type-locality: Kurseong, Himalaya (India).—Distr.: Asia: China (Sichuan, Zhejiang); India, Malaya.
- integra** ALEXANDER, 1940: Philipp. J. Sci., **71**: 43 (*Antocha*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Amur obl., Primorskiy kray, Sakhalin); Asia: North Korea.
- lacteibasis** ALEXANDER, 1935: Philipp. J. Sci., **57**: 211 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- libanotica** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 8 (*Antocha*). Type-locality: Becharré (Lebanon).—Distr.: USSR: TC, SMA (Tu, Tj); Asia: Lebanon, Iran, Afghanistan.
- lindneri** (NIELSEN, 1963): Stuttg. Beitr. Naturk., No **118**: 2 (*Taphrophila*). Type-localities: several localities in Afghanistan.—Distr.: Asia: Afghanistan.
- minuticornis** ALEXANDER, 1931: Philipp. J. Sci., **44**: 351 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- multidentata** ALEXANDER, 1932: Philipp. J. Sci., **49**: 388 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- nebulipennis** ALEXANDER, 1931: Philipp. J. Sci., **44**: 352 (*Antocha*). Type-locality: Mupin, Sichuan (China).—Distr.: Asia: Afghanistan, China (Gansu, Sichuan, Tibet); Nepal, India.
- nebulipennis immaculata** ALEXANDER, 1938: Philipp. J. Sci., **66**: 319 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan); Burma.
- nigribasis** ALEXANDER, 1932: Philipp. J. Sci., **49**: 390 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pallidella** ALEXANDER, 1933: Philipp. J. Sci., **50**: 143 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- phoenicia** THOMAS et DIA, 1982: Annls Limnol., **18**: 323 (*Antocha*). Type-locality: Nahr el Hamman tributary, basin of Nahr ed Damour, between Saïda and Beyrouth (Lebanon).—Distr.: Asia: Lebanon.

- picturata** ALEXANDER, 1936: Philipp. J. Sci., **58**: 415 (*Antocha*). Type-locality: Gehang, Sichuan (China).—Distr.: Asia: China (Sichuan).
- platyphallus** ALEXANDER, 1935: Philipp. J. Sci., **58**: 247 (*Antocha*). Type-locality: Yumoto, Shimotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- pterographa** ALEXANDER, 1953: Ann. Mag. nat. Hist., (12) **6**: 185 (*Antocha*). Type-locality: Gautsa, Tibet (China).—Distr.: Asia: China (Tibet).
- ramulifera** SAVCHENKO, 1983: Limoniidae of south Primorye: 107 (*Antocha*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- rectispina** ALEXANDER, 1954: Mushi, **27**: 27 (*Antocha*). Type-locality: Siachitui-Kaolochen, Shanxi (China).—Distr.: Asia: China (Shanxi).
- sagana** ALEXANDER, 1932: Philipp. J. Sci., **49**: 116 (*Antocha*). Type-locality: Saga, Kyoto pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- satsuma** ALEXANDER, 1919: Ann. ent. Soc. Am., **12**: 332 (*Antocha*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu), ?China.
- scapularis** ALEXANDER, 1968: Proc. R. ent. Soc. Lond. (B), **37**: 48 (*Antocha*). Type-locality: Dhar, Pauri Garhwal, Kumaon (India).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki); Asia: India.
- setigera** ALEXANDER, 1933: Philipp. J. Sci., **50**: 144 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- shansiensis** ALEXANDER, 1954: Mushi, **27**: 28 (*Antocha*). Type-locality: Chen-haissu-Taihuaichen, Shanxi (China).—Distr.: Asia: China (Shanxi).
- spiralis** ALEXANDER, 1932: Philipp. J. Sci., **49**: 389 (*Antocha*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan); India.
- subconfluenta** ALEXANDER, 1930: Philipp. J. Sci., **42**: 516 (*Antocha*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).
- subdentifera** ALEXANDER, 1969: Trans. Shikoku ent. Soc., **10**: 35 (*Antocha*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu).
- turkestanica** DE MEIJERE, 1921: Tijdschr. Ent., **64**: 107 (*Antocha*). Type-locality: Turkestan (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA; Asia: Afghanistan.
- libitina** ALEXANDER, 1960: Philipp. J. Sci., **88**: 159 (*Antocha*). Type-locality: Qualatak, Salang valley, Hindukush range (Afghanistan).
- afghana** (NIELSEN, 1962): Vidensk. Meddr dansk naturh. Foren., **124**: 167 (*Taphrophila*). Type-locality: Istalif (Afghanistan).
- yatungensis** ALEXANDER, 1963: Bull. Br. Mus. nat. Hist. (B), **14**: 338 (*Antocha*). Type-locality: Yatung, Tibet (China).—Distr.: Asia: China (Tibet).
- vitripennis** (MEIGEN, 1830): Syst. Besch., **6**: 278 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, E, F (incl. Corsica), GB, GR, I, IRE, N, NL, PL, R, S, YU;

USSR: NET (Komi ASSR), CET (west), SET (Carpathians), TC; Asia: Afghanistan.

obscura STROBL, 1906: *Mems R. Soc. esp. Hist. nat.*, **3**: 412 (*Antocha*, as var. of *opalizans*: authors, not OSTEN SACKEN). Type-locality: Ronda (Spain).

fulvescens LACKSCHEWITZ, 1940: *Annln naturh. Mus. Wien*, **50**: 7 (*Antocha*).

Type-locality: Vernet-les-Bains (France).

opalizans: European authors, not OSTEN SACKEN, 1860, misidentifications.

saxicola: European authors, not OSTEN SACKEN, 1860, misidentifications.

Subgenus ORIMARGULA MIK, 1883

MIK, 1883: *Wien. ent. Ztg.*, **2**: 198 (as genus).

Type-species: *Orimargula alpigena* MIK, 1883: l.c.: 199 (orig. des.).

alpigena (MIK, 1883): *Wien. ent. Ztg.*, **2**: 199 (*Orimargula*). Type-localities: several districts of Austria.—Distr.: Europe: A, BG, CH, CS, D, F, I, YU; USSR: SET (Carpathians), TC (west).

flavella (ALEXANDER, 1926): *Philipp. J. Sci.*, **31**: 366 (*Orimargula*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

flavella fuscolineata (ALEXANDER, 1926): *Philipp. J. Sci.*, **31**: 366 (*Orimargula*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

Subgenus PROANTOCHA ALEXANDER, 1919

ALEXANDER, 1919: *Ann. ent. Soc. Am.*, **12**: 330 (as subgenus of *Antocha* OSTEN SACKEN, 1860).

Type-species: *Antocha spinifer* ALEXANDER, 1919: l.c.: 331 (orig. des.).

spinifer ALEXANDER, 1919: *Ann. ent. Soc. Am.*, **12**: 331 (*Antocha*). Type-locality: Chichibu, Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Sakhalin); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).

serricauda ALEXANDER, 1924: *Philipp. J. Sci.*, **24**: 563 (*Antocha*). Type-locality: Jozankei, Hokkaido (Japan).

quadrivittata (ALEXANDER, 1932): *Philipp. J. Sci.*, **49**: 115 (*Proantocha*). Type-locality: Saga, Kyoto pref., Honshu (Japan).

uyei (ALEXANDER, 1928): *Philipp. J. Sci.*, **35**: 472 (*Proantocha*). Type-locality: Yamaga, Oita pref., Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).

Elliptera SCHINER, 1863

SCHINER, 1863: Wien. ent. Mschr., 7: 222.

Type-species: *Elliptera omissa* SCHINER, 1863: l.c.: 223 (orig. des.).

Ellipoptera BERGROTH, 1913: Ann. Mag. nat. Hist., (8) 11: 576, unjustified emendation.

hungarica MADARASSY, 1881: Természetr. Füzet., 5: 37 (*Elliptera*). Type-locality: Herkules-fürdő [= Baile Herculane] (Roumania).—Distr.: Europe: A, AL, BG, CH, CS, D, F, H, I, R, YU.

jacoti ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) 15: 388 (*Elliptera*). Type-locality: Taishan, Shandong (China).—Distr.: USSR: WS (near Krasnoyarsk), FE (Primorskiy kray, Sakhalin); Asia: North Korea, China (Shandong, Zhejiang).

omissa SCHINER, 1863: Wien. ent. Mschr., 7: 223 (*Elliptera*). Type-locality: not given (Austria).—Distr.: Europe: A, AL, B, BG, CH, CS, D, F, ?GB, ?H, I, NL, PL, R, YU; USSR: SET (southwest).

zipanguensis ALEXANDER, 1924: Philipp. J. Sci., 24: 559 (*Elliptera*). Type-locality: Shikotsu, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).

Limnorimarga ALEXANDER, 1945

ALEXANDER, 1945: Trans. R. ent. Soc. Lond., 95: 241 (as subgenus of *Orimarga* OSTEN SACKEN, 1869).

Type-species: *Orimarga limonioides* ALEXANDER, 1945: l.c.: 242 (orig. des.).

limonioides (ALEXANDER, 1945): Trans. R. ent. Soc. Lond., 95: 242 (*Orimarga*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea, Japan (Shikoku, Kyushu).

Orimarga OSTEN SACKEN, 1869

OSTEN SACKEN, 1869: Smithson. misc. Collns, 8(219): 120.

Type-species: *Limnobia alpina* ZETTERSTEDT, 1851: Dipt. scand., 10: 3894 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 580) [= *attenuata* (WALKER, 1848)].

Ninguis WALLENGREN, 1882: Ent. Tidskr., (1) 2(4): 183 and 206. Type-species: *Limnobia virgo* ZETTERSTEDT, 1851, Dipt. scand., 10: 3896 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 576).

- aequivena** ALEXANDER, 1934: Philipp. J. Sci., **53**: 277 (*Orimarga*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- attenuata** (WALKER, 1848): List Dipt. Brit. Mus., **1**: 56 (*Limnobia*). Type-locality: Hammerfest (Norway).—Distr.: Europe: A, BG, CH, CS, D, F, I, IRE, N, R, S, SF; USSR: CET (west), NET (west), SET (Carpathians), KZ (northeast); North Africa: ?Algeria.
- alpina** (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3894 (*Limnobia*). Type-localities: "alpihus Åreskutan et Mulfjellen Jemtlandiae" (Sweden); "Kalahögar Norwegiae.....regionem nivalem" (Norway) (Mulfjell, Sweden, by lectotype des. of TJEDER, 1958).
- hygropetrica** VAILLANT, 1951: Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble, **41/42**: 43 (*Orimarga*). Type-locality: near Grenoble (France).
- basalis** ALEXANDER, 1936: Philipp. J. Sci., **58**: 416 (*Orimarga*). Type-locality: Skardu, Kashmir (India).—Distr.: USSR: SMA (Tj); Asia: India.
- basilobata** ALEXANDER, 1934: Philipp. J. Sci., **54**: 327 (*Orimarga*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- cruciformis** ALEXANDER, 1930: Philipp. J. Sci., **42**: 517 (*Orimarga*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- distalis** ALEXANDER, 1936: Philipp. J. Sci., **59**: 239 (*Orimarga*). Type-locality: Mt. Daisen, Hoki, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- frommeri** ALEXANDER, 1970: Bonn. zool. Beitr., **21**: 145 (*Orimarga*). Type-locality: Ein Gedi (Israel).—Distr.: Asia: Israel.
- guttipennis** ALEXANDER, 1940: Philipp. J. Sci., **71**: 184 (*Orimarga*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- juvenilis** (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3897 (*Limnobia*). Type-localities: Fardhem, Gotland; Bro (Sweden); Sand (?Norway) (the first by lectotype des. of TJEDER, 1958).—Distr.: Europe: A, BG, CH, CS, GB, I, IRE, ?N, S, SF, YU; USSR: SET (Carpathians).
- latissima** ALEXANDER, 1934: Philipp. J. Sci., **54**: 326 (*Orimarga*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- longiventris** SAVCHENKO, 1974: Vestn. zool., **1974**(6): 32 (*Orimarga*). Type-locality: near Lachin, Karabakh upland (USSR: Az).—Distr.: USSR: TC (Az).
- nudivena** ALEXANDER, 1934: Philipp. J. Sci., **53**: 276 (*Orimarga*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- omeina** ALEXANDER, 1930: Philipp. J. Sci., **42**: 518 (*Orimarga*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pruinosa** ALEXANDER, 1928: Philipp. J. Sci., **36**: 465 (*Orimarga*). Type-locality: Mt. Bantaizan, Fukushima pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- seticosta** ALEXANDER, 1930: Philipp. J. Sci., **42**: 519 (*Orimarga*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- setilobata** ALEXANDER, 1969: Trans. Shikoku ent. Soc., **10**: 36 (*Orimarga*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).

- stenoptera** (SÉGUY, 1936): Bull. Soc. ent. Fr., **41**: 334 (*Gonomyia*). Type-locality: Tigzirt (Algeria).—Distr.: North Africa: Algeria.
- stenotes** ALEXANDER, 1969: Trans. Shikoku ent. Soc., **10**: 37 (*Orimarga*). Type-locality: Yoshigahira, near Mt. Sumon, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- streptocerca** ALEXANDER, 1936: Philipp. J. Sci., **60**: 181 (*Orimarga*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- virgo** (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3896 (*Limnobia*). Type-locality: Ejsta, Gotland (Sweden) (the same by lectotype des. of TJEDER, 1958).—Distr.: Europe: A, CH, CS, D, F, GB, I, S, YU; USSR. SET (Carpathians); Asia: Lebanon.
- anomala** MIK, 1883: Wien. ent. Ztg, **2**: 201 (*Orimarga*). Type-locality: Gorizia (Italy).
- yakushimana** ALEXANDER, 1930: Philipp. J. Sci., **42**: 517 (*Orimarga*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).

Thaumastoptera MIK, 1866

MIK, 1866: Verh. zool.-bot. Ges. Wien, **16**: 302.

Type-species: *Thaumastoptera calceata* MIK, 1866: l.c.: 303 (mon.).

- calceata** MIK, 1866: Verh. zool.-bot. Ges. Wien, **16**: 303 (*Thaumastoptera*). Type-locality: Gorizia (Italy).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, F, GB, I, IRE, R, YU.
- insignis** LACKSCHEWITZ, 1940: Annln naturh. Mus. Wien, **50**: 9 (*Thaumastoptera*). Type-locality: Algeciras (Spain).—Distr.: Europe: E.
- intermixta** SAVCHENKO, 1974: Vestn. zool., **1974**(6): 34 (*Thaumastoptera*). Type-locality: Khino, Kobuleti district, Adzhar ASSR (USSR).—Distr.: USSR: TC (Ge), SMA (southeast).

Tribe Limoniini

Achyrolimonia ALEXANDER, 1965

ALEXANDER, 1965: Trans. Am. ent. Soc., **91**: 48 (as subgenus of *Limonia* MEIGEN, 1803).

Type-species: *Limnobia trigonia* EDWARDS, 1919: J. fed. Malay St. Mus., **8**: 15 (orig. des.); not Palaearctic.

basispina (ALEXANDER, 1924): Philipp. J. Sci., **24**: 554 (*Limonia*). Type-locality: Panketo, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku), China (Sichuan).

coeiana (NIELSEN, 1959): Glasn. Prirodov. Mus. Beograd (B), **12**: 211 (*Limonia*). Type-locality: Pl'vice, Croatia (Yugoslavia).—Distr.: Europe: CS, PL, YU; USSR: TC (Az).

decemmaculata (LOEW, 1873): Berl. ent. Z., **17**: 35 (*Limnobia*). Type-locality: not given (1873: Beschr. europ. Dipt., **3**: 39: Germany, Kurdistan, Galicia (Poland)).—Distr.: Europe: A, B, CH, CS, D, DDR, F, GB, H, I, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC; Asia: Iran.

monacantha (ALEXANDER, 1924): Philipp. J. Sci., **24**: 553 (*Limonia*). Type-locality: Teppetsu, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu), China (Sichuan).

neonebulosa (ALEXANDER, 1924): Philipp. J. Sci., **24**: 555 (*Limonia*, as new name for *Dicranomyia nebulosa* ALEXANDER, 1913, at time of replacement a junior secondary homonym of *Limnobia nebulosa* ZETTERSTEDT, 1838).—Distr.: Europe: A, BG, CH, CS, D, R; USSR: CET (southwest), SET (Uk, southeast), WS (Altai), FE (Primorskiy kray, Sakhalin); Asia: Iran, China (as far south as Zhejiang and Sichuan), Japan (Hokkaido, Honshu, Shikoku); Nearctic Region.

nebulosa (ALEXANDER, 1913): Can. Ent., **45**: 203 (*Dicranomyia*). Type-locality: Tokyo, Honshu (Japan).

delicatula (LACKSCHEWITZ, 1964): Ent. Obozr., **43**: 714 (*Dicranomyia*). Type-locality: Yareski, Poltava obl. (USSR: Uk).

protrusa (ALEXANDER, 1936): Philipp. J. Sci., **58**: 412 (*Limonia*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

Atypophthalmus BRUNETTI, 1911

BRUNETTI, 1911: Rec. Indian Mus., **6**: 273.

Type-species: *Atypophthalmus holopticus* BRUNETTI, 1911: l.c.: 273 (mon.) [= *umbratus* (DE MEIJERE, 1911)].

- crinitus** (ALEXANDER, 1924): Insecutor Inscit. menstr., 12: 154 (*Limonia*). Type-locality: Shimokebo, Hitaka-no-kuni, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).
- inustus** (MEIGEN, 1818): Syst. Besch., 1: 135 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, N, ?NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (west), SET, TC, WS (Altai, Khakass AO), FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido).
- obscuricornis** (BELING, 1873): Verh. zool.-bot. Ges. Wien, 23: 559 (*Limnobia*). Type-locality: not given [DDR].
- kuntzei** (SCHULTZE in KUNTZE, 1920): Dt. ent. Z., 1920: 57 (*Limnobia*, as new name for *Limnobia meridiana*: STROBL, 1895, not STAEGGER, 1840, misidentification).
- strobli** (NIELSEN, 1920): Ent. Meddr, 13: 162 (*Limnobia*, as new name for *Limnobia meridiana*: authors, not STAEGGER, 1840, misidentifications).
- angustistria** (ALEXANDER, 1924): Philipp. J. Sci., 24: 556 (*Limonia*). Type-locality: Kamuikotan, Hokkaido (Japan).
- multisetosus** SAVCHENKO, 1983: Limoniidae of south Primorye: 123 (*Atypophthalmus*). Type-locality: near Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- quinquevittatus** (SANTOS ABREU, 1923): Mem. R. Acad. Cienc. Artes Barcelona, 18: 106 (*Limonia*). Type-localities: Barranco del Río; Lomo de los Gómeros (Canary Is: La Palma) (Lomo de los Gómeros by lectotype des. of THEOWALD, 1977).—Distr.: Canary Is.
- aurifrons** (SANTOS ABREU, 1923): Mem. R. Acad. Cienc. Artes Barcelona, 18: 110 (*Limonia*). Type-locality: Barranco de la Madera, La Palma (Canary Is).
- stylacantha** (ALEXANDER, 1971): Trans. Shikoku ent. Soc., 11: 10 (*Limonia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu).
- umbratus** (DE MEIJERE, 1911): Tijdschr. Ent., 54: 25 (*Dicranomyia*). Type-locality: Batavia [= Djakarta] (Indonesia).—Distr.: Asia: Israel; pantropical.

Dicranomyia STEPHENS, 1829

STEPHENS, 1829: Syst. Cat. Brit. Ins., 2: 243.

Type-species: *Limnobia modesta* MEIGEN, 1818: Syst. Besch., 1: 134 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 533).

Furcomyia MEIGEN, 1818: Syst. Besch., 1: 133. Type-species: *Limnobia lutea* MEIGEN, 1818: Syst. Besch., 1: 133 (mon.) [= *mitis* (MEIGEN, 1830)]. [Published in synonymy and unavailable.]

Ataracta LOEW, 1850: Programm k. Realschule zu Meseritz, 1850: 38 (fossil).

Telecephala PIERRE, 1921: Bull. Soc. Sci. nat. Maroc, 1: 21. Type-species: *Limnobia*

- longicollis* MACQUART, 1846: Mém. Soc. Agric. Lille, **1844**: 18 (mon.).
Tedotea SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 143
 Type-species: *Tedotea domestica* SANTOS ABREU, 1923: l.c.: 144 (mon.) [= *vicina* (MACQUART, 1839)].
- Glochina* MEIGEN, 1830: see below as subgenus.
Numantia BIGOT, 1854: see below as subgenus.
Euglochina ALEXANDER, 1921: see below as subgenus.
Idioglochina ALEXANDER, 1921: see below as subgenus.
Pseudoglochina ALEXANDER, 1921: see below as subgenus.
Sivalimnobia ALEXANDER, 1963: see below as subgenus.
Melanolimonia ALEXANDER, 1965: see below as subgenus.
Erostrata SAVCHENKO, 1976: see below as subgenus.
Idiopyga SAVCHENKO, 1987: see below as subgenus.

Subgenus DICRANOMYIA STEPHENS, 1829

- amplificata** (ALEXANDER, 1940): Philipp. J. Sci., **71**: 180 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- amurensis** ALEXANDER, 1925: Proc. U.S. natn. Mus., **68**(4): 5 (*Dicranomyia*). Type-locality: Amagu village, Siberia (USSR).—Distr.: USSR: FE (Amur obl.).
- aperta** WAHLGREN, 1904: Arkiv Zool., **2**(7): 8 (*Dicranomyia*). Type-locality: not given.—Distr.: Europe: A, CH, CS, DK, GB, H, I, S, SF; USSR: NET (southwest), CET (northwest), SMA (Ki, Tj), KZ (Zailiyskiy Alatau), south Siberia from Altai in the west to Transbaikalia in the east; Asia: Afghanistan, Mongolia; Nearctic Region.
- atropos** SAVCHENKO, 1983: Limoniidae of south Primorye: 134 (*Dicranomyia*). Type-locality: near Vladivostok, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- autumnalis** (STAEGER, 1840): Naturh. Tidsskr., **3**: 51 (*Glochina*). Type-locality: Ordrukskrat, near Copenhagen (Denmark).—Distr.: Europe: A, ?AL, B, CH, CS, D, DDR, DK (incl. Faeroes), E, F, GB, I, IRE, IS, N, NL, PL, R, S, SF, YU; USSR: NET (west), CET (northwest), SET (Uk); Asia: India.
- unicolor* (STROBL, 1898): Glasn. zemalj. Mus. Bosni Herceg., **10**: 611 (*Limnobia*, as var. of *autumnalis*). Type-locality: Jablanica (Yugoslavia).
 [*bifusifera* (EDWARDS, 1927): Ann. Mag. nat. Hist., (9) **20**: 225 (*Limonia*). Type-locality: Kashmir (India).]
- baileyana** (ALEXANDER, 1963): Bull. Br. Mus. nat. Hist. (B), **14**: 355 (*Limonia*). Type-locality: Chumbi valley, Tibet (China).—Distr.: Asia: China (Tibet).
- baileyi** EDWARDS, 1928, Ann. Mag. nat. Hist., (10) **1**: 702 (*Dicranomyia*). Type-locality: Chumbi valley, Tibet (China).—Distr.: Asia: China (Tibet).

- baileyi omeiana** (ALEXANDER, 1964): Philipp. J. Sci., **93**: 299 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- basiseta** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 66 (*Dicranomyia*). Type-locality: lake Chuzenji, near Nikko, Shimotsuke-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- chorea** (MEIGEN, 1818): Syst. Besch., **1**: 134 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, CY, D, DDR, DK, F (incl. Pyrenees and Corsica), GB, GR (Kerkira, Crete, Samos), H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC; Asia: Iran; North Africa: Morocco; Canary Is, ?Madeira; Nearctic Region.
- lutea** (MEIGEN, 1804): Klass. Besch., **1**: 55 (*Limonia*). Type-locality: not given (?near Stolberg [D]). [A questionable senior synonym.]
- quadra** (MEIGEN, 1838): Syst. Besch., **7**: 29 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- flavicollis** BECKER, 1908: Mitt. zool. Mus. Berl., **4**: 82 (*Dicranomyia*). Type-locality: Port Orotava, Tenerife (Canary Is).
- longipes** SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 68 (*Dicranomyia*). Type-locality: Barranco del Río, La Palma (Canary Is).
- vidua** SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 45 (*Dicranomyia*). Type-locality: Barranco de la Madera, La Palma (Canary Is).
- grisescens** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, **42**: 211 (*Dicranomyia*, as form of *chorea*). Type-locality: Vienna (Austria).
- lutescens** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, **42**: 211 (*Dicranomyia*, as form of *chorea*). Type-locality: Vienna (Austria).
- circassica** LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1941: 16. Limoniidae, Fliegen pal. Reg., **3(5)2**: 19 (*Dicranomyia*). Type-locality: not given (LACKSCHEWITZ, 1964: Kislovodsk, Stavropolskiy kray, USSR).—Distr.: USSR: SET (southeast), TC (Ge).
- clathrata** SAVCHENKO, 1984: Tax. Zoog. Insects, Kiev: 99 (*Dicranomyia*). Type-locality: Akorchashme, source of Nurdovanla river, Gyaz-Gedyk Mts (USSR: Tu).—Distr.: USSR: SMA (Tu, Tj).
- commixta** (ALEXANDER, 1933): Philipp. J. Sci., **50**: 136 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- conchifera** (STROBL, 1901): Jber. naturh. Landesmus. Kärnten, **26**: 189 (*Limnobia*). Type-locality: Villach (Austria).—Distr.: Europe: A, AL, BG, CH, CS, D, F, GR, I, L, PL, R, YU.
- consimilis** (ZETTERSTEDT, [1838]): Insecta Lapp.: 837 (*Limnobia*). Type-locality: Lycksele (Sweden).—Distr.: Europe: DK, ?F (?Corsica), GB, N, S, SF; USSR: NET, CET (northwest), ES (south), FE (Magadan obl., Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu), North Korea, China (Sichuan).
- mesosternata** ALEXANDER, 1919: Ann. ent. Soc. Am., **12**: 329 (*Dicranomyia*). Type-locality: Meguro, Tokyo, Honshu (Japan).

- coxitalis** (ALEXANDER, 1934): Philipp. J. Sci., **54**: 320 (*Limonia*). Type-locality: Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).
- depauperata** ALEXANDER, 1918: Ann. ent. Soc. Am., **11**: 444 (*Dicranomyia*). Type-locality: Kyoto, Honshu (Japan).—Distr.: Asia: Japan (Honshu), China (Sichuan); China (Jiangxi), Taiwan.
- dichroa** SAVCHENKO, 1974: Vestn. zool., **1974**(4): 65 (*Dicranomyia*). Type-locality: Rakhaty, Gissar valley (USSR: Tj).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Tj).
- didyma** (MEIGEN, 1804): Klass. Beschr. **1**: 55 (*Limonia*). Type-locality: not given ("aus Herrn Baumhauers Sammlung").—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK (incl. Faeroes), E, F (incl. Corsica), GB, H, I, IRE, IS, N, NL, P, PL, R, S, SF, YU; USSR: NET, CET, SET, TC; Asia: Iran, Afghanistan, ?China (?Shanxi); North Africa: Morocco.
- trinotata** (MEIGEN, 1818): Syst. Beschr., **1**: 143 (*Limnobia*). Type-locality: Portugal.
- oscillans** HALIDAY, 1833: Ent. Mag., **1**: 154 (*Dicranomyia*). Type-localities: Sliebh Donard; Holywood (Ireland).
- novemmaculata** (STROBL, 1906): Mems R. Soc. esp. Hist. nat., **3**: 411 (*Limnobia*). Type-locality: Gibraltar. [Synonymy not certain.]
- distendens** LUNDSTRÖM, 1912: Acta Soc. Fauna Flora fenn., **36**(1): 51 (*Dicranomyia*). Type-localities: Muonio; Karislojo (Finland).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, N, NL, PL, R, S, SF; USSR: NET (west), CET (west), SET (west), FE (Kamchatka, Sakhalin, Kuril Is); Nearctic Region.
- [uliginosa]** (ALEXANDER, 1929): Bull. Brooklyn ent. Soc., **24**: 27 (*Limonia*). Type-locality: lake Pleasant, Hamilton Co., New York (USA).]
- distendens pallida** SAVCHENKO, 1983: Limoniidae of south Primorye: 130 (*Dicranomyia*). Type-locality: Kedrovaya Pad, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray, Kuril Is).
- francki** (ALEXANDER, 1932): Philipp. J. Sci., **49**: 379 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- frontalis** (STAEGER, 1840): Naturh. Tidsskr., **3**: 52 (*Glochina*). Type-locality: Ordrupskrat, near Copenhagen (Denmark).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, H, I, N, NL, PL, R, S, SF, YU; USSR: NET (west), CET (northwest), SET (Uk), TC (Ge), WS (south), ES (south), FE (Magadan obl., Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is); Asia: Mongolia, North Korea, Japan (Hokkaido, Honshu, Shikoku, Kyushu); Pakistan, India, China (Jiangxi); Nearctic Region.
- ostensackeni** WESTHOFF, 1882: Bau Hypopygiums Tipula: 57 (*Dicranomyia*). Type-locality: Coerheide near Münster [D].
- immodestoides** ALEXANDER, 1919: Ann. ent. Soc. Am., **12**: 327 (*Dicranomyia*). Type-locality: Meguro, Tokyo, Honshu (Japan).

- goritiensis** (MIK, 1864): Verh. zool.-bot. Ges. Wien, **14**: 792 (*Limnobia*). Type-locality: Gorizia (Italy).—Distr.: Europe: A, CH, E, F (incl. Corsica), GB, GR (Crete), I, IRE, YU; USSR: SET (Crimea); North Africa: Morocco, Algeria.
- cornubiensis** (EDWARDS, 1938): Trans. Soc. Br. Ent., **5**: 34 (*Limonia*, as var. of *goritiensis*). Type-locality: St. Ives bay, Cornwall (Great Britain).
- gracilirostris** (ALEXANDER, 1938): Philipp. J. Sci., **66**: 469 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- halobia** (TOKUNAGA, 1936): Annotnes zool. jap., **15**: 465 (*Limonia*). Type-locality: Shiroya, Tomioka, Amakusa Is, Kumamoto pref., Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- halterata** OSTEN SACKEN, 1869: Smithson. misc. Collns, **8**(219): 71 (*Dicranomyia*). Type-locality: Labrador (Canada).—Distr.: Europe: CS, GB (Scotland), N, S, SF; USSR: NET, CET (northwest), north Siberia eastward to Magadan obl. and Chukotka; Nearctic Region.
- cinereipennis** LUNDSTRÖM, 1912: Acta Soc. Fauna Flora fenn., **36**(1): 52 (*Dicranomyia*). Type-localities: Enontekiä; Muonio; Pallastunturi; Messuby (Finland).
- handlirschi** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, **42**: 226 (*Dicranomyia*). Type-locality: Prachatice (Czechoslovakia).—Distr.: Europe: A, CH, CS, D, DK, N, PL, R, S; USSR: NET (southwest), CET (northwest), SET (Uk), WS (Tuva), FE (Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is).
- handlirschi ontakeana** (ALEXANDER, 1970): Trans. Shikoku ent. Soc., **10**: 69 (*Limonia*, as species). Type-locality: Mt. Ontake, Hida, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- hyalinata** (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3883 (*Limnobia*). Type-localities: Wadstena; Fylla; Medhamra; Mulfjellet; Skanstugan; Gotland (Sweden).—Distr.: Europe: DK, N, S, SF; USSR: KZ (southeast), WS, ES, FE (from Magadan obl. to Kuril Is); Asia: Mongolia; Nearctic Region.
- [**aquita** DIETZ, 1915: Can. Ent., **47**: 331 (*Dicranomyia*). Type-locality: Fort Resolution, Northwest Territories (Canada).]
- incisurata** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, **42**: 216 (*Dicranomyia*). Type-localities: several localities in Austria, north Italy and Yugoslavia.—Distr.: Europe: A, CH, CS, D, I, N, YU; USSR: WS (Tuva); Asia: Mongolia, China (Gansu, Tibet); Nearctic Region.
- sjoestedti** (ALEXANDER, 1934): Arkiv Zool., **27**(A)(17): 18 (*Limonia*). Type-locality: Kung-tze-tagga, Tsaluk valley, Min Mts, Gansu (China).
- infensa** (ALEXANDER, 1938): Philipp. J. Sci., **67**: 135 (*Limonia*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.
- intermedia** SANTOS ABREU, 1923: Mem. R. Acad. Cienc. Artes Barcelona, **18**: 52 (*Dicranomyia*). Type-localities: Barranco del Río; Mazo (Canary Is: La Palma) (Barranco del Río by lectotype des. of THEOWALD, 1977).—Distr.: Canary Is.

- junctura** (ALEXANDER, 1949): Ann. Mag. nat. Hist., (12) 2: 531 (*Limonia*). Type-locality: Ta-chu-lan, Fujian (China).—Distr.: Asia: North Korea; China (Fujian).
- kandybinae** SAVCHENKO in KANDYBINA, LANTZOV and SAVCHENKO, 1987: Catalog type-specimens Zool. Inst. Leningrad: 10 (*Dicranomyia*, as new name for *Dicranomyia clotho* SAVCHENKO, 1983, a junior secondary homonym of *Limonia clotho* ALEXANDER, 1964, now in *Dicranomyia*).—Distr.: USSR: FE (Primorskiy kray).
- clotho* SAVCHENKO, 1983: Limoniidae of south Primorye: 133 (*Dicranomyia*). Type-locality: Anisimovka, Shkotovo district, Primorskiy kray (USSR).
- kirishimana** ALEXANDER, 1925: Ann. ent. Soc. Am., 17: 432 (*Dicranomyia*). Type-locality: Mt. Kirishima, on boundary between Osumi and Hiuga, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- lachesis** SAVCHENKO, 1983: Limoniidae of south Primorye: 133 (*Dicranomyia*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- laticellula** (ALEXANDER, 1932): Philipp. J. Sci., 49: 381 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan); India. [See *limonioides*.]
- lethe** (ALEXANDER, 1938): Philipp. J. Sci., 66: 317 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- limonioides** SAVCHENKO, 1974: Dopov. Akad. Nauk ukr. RSR (B), 1974: 470 (*Dicranomyia*). Type-locality: Kvak, near Kondara, Gissar Mts (USSR: Tj).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Tj). [?Conspecific with *laticellula* ALEXANDER, 1932.]
- livornica** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, 42: 214 (*Dicranomyia*). Type-localities: Livorno; Sicily (Italy).—Distr.: Europe: F, GR (Crete), I (incl. Sicily).
- longicollis** (MACQUART, 1846): Mém. Soc. Agric. Lille, 1844: 18 (*Limnobia*). Type-locality: Oran (Algeria).—Distr.: Europe: E; North Africa: Morocco, Algeria.
- longipennis** (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 104 (*Limnobia*). Type-locality: near Wrocław (Poland).—Distr.: Europe: A, BG, CH, CS, D, E, PL, R, S, SF, YU; USSR: NET, CET, SET, TC, KZ, SMA (Ki, Tj), WS (south), ES (south), FE (Primorskiy kray); Asia: Iran, Mongolia, Japan (Hokkaido, Honshu, Shikoku, Kyushu), ?Syria; India; Nearctic Region.
- tiefii* (STROBL, 1901): Jber. naturh. Landesmus. Kärnten, 26: 190 (*Limnobia*). Type-locality: near Villach (Austria).
- lorettae** GEIGER, 1985: Bull. zool. Mus. Univ. Amsterdam, 10: 58 (*Dicranomyia*). Type-locality: Vezia (Switzerland).—Distr.: Europe: CH.
- lucida** DE MEIJERE, 1918: Tijdschr. Ent., 61: 128 (*Dicranomyia*). Type-locality: Bunde (The Netherlands).—Distr.: Europe: B, BG, CH, CS, D, F, GB, GR (Crete), NL, R, YU; USSR: TC.

- luteipennis** GOETGHEBUER in GOETGHEBUER and TONNOIR, 1920: Bull. Soc. ent. Belg., 2: 108 (*Dicranomyia*). Type-localities: Hockai; Gedinne; Gand (Belgium).—Distr.: Europe: B, BG, CH, CS, D, F, I, PL, R, ?YU.
- maderensis** (WOLLASTON, 1858): Ann. Mag. nat. Hist., (3) 1: 114 (*Limnobia*). Type-locality: Madeira.—Distr.: Madeira.
- mariana** SELIGO, 1931: Ber. westpreuss. bot.-zool. Ges., 53(9): 9 (*Dicranomyia*). Type-locality: Mariensee [Poland].—Distr.: Europe: PL.
- mattheyi** GEIGER, 1985: Bull. zool. Mus. Univ. Amsterdam, 10: 55 (*Dicranomyia*). Type-locality: Fuorn (Switzerland).—Distr.: Europe: CH.
- melanacaena** (ALEXANDER, 1970): Trans. Shikoku ent. Soc., 10: 67 (*Limonia*). Type-locality: Kurokawa, Echigo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- melanantha** SAVCHENKO, 1984: Tax. Zoog. Insects, Kiev: 98 (*Dicranomyia*). Type-locality: Khandy, Dzhavakhetskiy Mts, Akhalkalaki district (USSR: Ge).—Distr.: Europe: F (Corsica); USSR: SET (Caucasus), TC (Ge, Az); Asia: ?Lebanon. [?Conspecific with *nigritorus* ALEXANDER, 1975.]
- mesosternatoides** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) 15: 65 (*Dicranomyia*). Type-locality: Akan, Kushiro-no-kuni, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido).
- japonica* LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1941: 16. Limoniidae, Fliegen pal. Reg., 3(5)2: 22 (*Dicranomyia*, as var. of *consimilis* ZETTERSTEDT). Type-locality: Japan.
- michaeli** (THEOWALD, 1977): Beaufortia, 26: 177 (*Limonia*). Type-locality: Pico de Vara, São Miguel (Azores).—Distr.: Azores, Madeira, Canary Is.
- micronychia** LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1941: 16. Limoniidae, Fliegen pal. Reg., 3(5)2: 29 (*Dicranomyia*). Type-locality: not given ("aus Loew's Sammlung ohne Fundortsangabe").—Distr.: Europe: F (Corsica).
- mishimana** (ALEXANDER, 1970): Trans. Shikoku ent. Soc., 10: 68 (*Limonia*). Type-locality: Mt. Ontake, Hida, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- mitis** (MEIGEN, 1830): Syst. Besch., 6: 278 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK (incl. Faeroes), E, F (?incl. Corsica), GB, H, I, IRE, L, N, NL, PL, R, S, SF, YU; USSR: NET (south), CET, SET, TC, SMA (Tu); North Africa: Morocco, Algeria. [A junior synonym adopted in accordance with usage.] [*mitis*, *lutea* and *affinis*, as defined by EDWARDS, 1938, are probably valid species with quite different ecologies, STUBBS, in litt., 1990.]
- lutea* (MEIGEN, 1818): Syst. Besch., 1: 133 (*Limnobia*). Type-locality: not given (?near Stolberg [D]). [A junior secondary homonym of *Limonia lutea* MEIGEN, 1804.]
- affinis* (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 127 (*Limnobia*). Type-locality: near Wrocław (Poland). [A questionable senior synonym.]

- excisa* (WALKER, 1848): List Dipt. Brit. Mus., 1: 47 (*Limnobia*). Type-locality: Alten [= Alta] (Norway).
- lutea* LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, 42: 213 (*Dicranomyia*, as form of *mitis*). Type-localities: England, and several localities in Austria and north Italy.
- infusca* LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, 42: 213 (*Dicranomyia*, as var. of *mitis*). Type-localities: Algeciras; Albarracin (Spain).
- imbecilla* LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1941: 16. Limoniidae, Fliegen pal. Reg., 3(5)2: 30 (*Dicranomyia*, as var. of *mitis*). Type-locality: river Saale near Burgk [D].
- hygropetrica* VAILLANT, 1952: Revue fr. Ent., 19: 250 (*Dicranomyia*). Type-locality: Constantine (Algeria).
- modesta** (MEIGEN, 1818): Syst. Besch., 1: 134 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E, F (incl. Corsica), GB, H, I, IRE, L, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC, KZ, SMA (Tj, Ki, TU), WS, ES, FE; Asia: Iran, Afghanistan, Japan (all major islands); Nearctic Region.
- simplex* (MEIGEN, 1830): Syst. Besch., 6: 277 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- nova* (MEIGEN, 1830): Syst. Besch., 6: 278 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).
- takahashii* ALEXANDER, 1920: Trans. Am. ent. Soc., 46: 2 (*Dicranomyia*). Type-locality: Tokyo, Honshu (Japan).
- spinicauda* ALEXANDER, 1924: Philipp. J. Sci., 24: 545 (*Dicranomyia*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).
- moniliformis** DOANE, 1900: Jl N.Y. ent. Soc., 8: 184 (*Dicranomyia*). Type-localities: Colorado; Long Island; Nantucket Island (USA).—Distr.: Europe: S; Nearctic Region.
- monostromia** (TOKUNAGA, 1930): Mem. Coll. Agric. Kyoto Univ., 10: 1 (*Limonia*). Type-locality: Seto, Wakayama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- neopulchripennis** (ALEXANDER, 1940): Notes Ent. chin., 8: 19 (*Limonia*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang); China (Jiangxi).
- nigritorus** (ALEXANDER, 1975): Jl N.Y. ent. Soc., 83: 130 (*Limonia*). Type-locality: Barajan (Iran).—Distr.: Asia: Iran. [See *melanantha*.]
- ochripes** (ALEXANDER, 1955): Philipp. J. Sci., 83: 279 (*Limonia*). Type-locality: Mt. Saragamine, Iyo, Shikoku (Japan).—Distr.: USSR: FE (Kurul Is); Asia: Japan (Shikoku).
- omissinervis** DE MEIJERE, 1918: Tijdschr. Ent., 61: 129 (*Dicranomyia*). Type-locality: Zwammerdam (The Netherlands).—Distr.: Europe: CH, CS, D, F, GB, NL, PL, S, YU; USSR: NET (southwest), CET (northwest), SET (Carpathians), WS (Tuva), ES (Irkutsk obl.), FE (Magadan obl., Kamchatka).

- Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is); Asia: Mongolia.
- ornata** (MEIGEN, 1818): Syst. Besch., 1: 144 (*Limnobia*). Type-locality: near Stolberg [D].—Distr.: Europe: A, B, CH, CS, D, DDR, E, F (incl. Corsica), GB, I, L, NL, P, PL, SF, R, YU; USSR: CET (west), SET (Carpathians, Crimea); Asia: Turkey.
- pammelas** ALEXANDER, 1925: Ann. ent. Soc. Am., 17: 433 (*Dicranomyia*). Type-locality: Mt. Minomo, Settsu-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Kyushu), China (Zhejiang).
- patens** LUNDSTRÖM, 1907: Acta Soc. Fauna Flora fenn., 29(8): 7 (*Dicranomyia*). Type-locality: Kuustö (Finland).—Distr.: Europe: ?GB, N, ?PL, S, SF; USSR: NET (west), CET (northwest), ES (south), FE (Magadan obl., Kamchatka, Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is); Nearctic Region.
- paupercula** ALEXANDER, 1921: Ann. ent. Soc. Am., 14: 112 (*Dicranomyia*). Type-locality: Koiwai farm, near Morioka, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- patricia** STARÝ, 1982: Bull. zool. Mus. Univ. Amsterdam, 9: 33 (*Dicranomyia*). Type-locality: Bel Mehtia (Tunisia).—Distr.: Europe: ?BG; North Africa: Tunisia.
- poli** (ALEXANDER, 1941): Philipp. J. Sci., 76: 44 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu), China (Sichuan); China (Jiangxi).
- pontica** LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1941: 16. Limoniidae. Fliegen pal. Reg., 3(5)2: 20 (*Dicranomyia*). Type-locality: not given (LACKSCHEWITZ, 1964: Adzhary near Chalta on Kodor river, Sukhumi district, Abkhaz ASSR, USSR).—Distr.: USSR: SET (southeast), TC (Ge).
- [**punctulata** DE MEIJERE, 1911: Tijdschr. Ent., 54: 26 (*Dicranomyia*). Type-locality: Semarang, Java (Indonesia).—Distr.: Asia: ?Japan (?Kyushu); Taiwan, Malaya, Indonesia, Mentawai Is.]
- rectidens** (ALEXANDER, 1934): Philipp. J. Sci., 54: 323 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan, Zhejiang); China (Jiangxi), Sri Lanka.
- reductissima** (ALEXANDER, 1952): Ann. Mag. nat. Hist., (12) 5: 1109 (*Limonia*). Type-locality: Poshö, Kyari Dzong, east Tibet (China).—Distr.: USSR: WS (south), ES (south), FE (Magadan obl.); Asia: China (Tibet), Mongolia; Nearctic Region.
- [**lindrothi** (TJEDER, 1963): Opusc. ent., 28: 229 (*Limonia*). Type-locality: Nome, Alaska (USA).]
- sachalina** ALEXANDER, 1924: Philipp. J. Sci., 24: 543 (*Dicranomyia*). Type-locality: Sakaehama [= Starodubskoye], Dolinskiy district, Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin).
- schmidiana** (ALEXANDER, 1975): J. N.Y. ent. Soc., 83: 131 (*Limonia*). Type-locality: Darband (Iran).—Distr.: Asia: Iran.

- sera** (WALKER, 1848): List Dipt. Brit. Mus., 1: 46 (*Limnobia*). Type-locality: England (Great Britain).—Distr.: Europe: A, B, BG, CS, D, DDR, DK, F (incl. Corsica), GB, IRE, NL, PL, R, S, SF; USSR: SET, KZ, SMA (Ki), WS (south), ES (south), FE (Chukotka, Primorskiy kray); Asia: Afghanistan, Mongolia; Nearctic Region.
- disjuncta** (WALKER, 1848): List Dipt. Brit. Mus., 1: 48 (*Limnobia*). Type-locality: England (Great Britain).
- globata** (WALKER, 1848): List Dipt. Brit. Mus., 1: 52 (*Limnobia*). Type-locality: England (Great Britain).
- forcipula** DE MEIJERE, 1918: Tijdschr. Ent., 61: 128 (*Dicranomyia*). Type-localities: Diemen; Monnikendam (The Netherlands).
- discors** KUNTZE, 1919: Dt. ent. Z., 1919: 143 (*Dicranomyia*). Type-locality: Esbjerg (Denmark).
- [erostrata]** (ALEXANDER, 1930): Bull. Brooklyn ent. Soc., 25: 71 (*Limonia*). Type-locality: Saltair, Utah (USA).]
- shinanoensis** (ALEXANDER, 1933): Philipp. J. Sci., 50: 137 (*Limonia*). Type-locality: Kumanoyu, Shinano, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku).
- signata** LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1941: 16. Limoniidae. Fliegen pal. Reg., 3(5)2: 31 (*Dicranomyia*). Type-localities: Corsica (France); Palestina.—Distr.: Europe: BG, F (Corsica), I, YU; Asia: Israel.
- sparsa** ALEXANDER, 1924: Philipp. J. Sci., 24: 544 (*Dicranomyia*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin); Asia: North Korea.
- strobli** PAGAST in LACKSCHEWITZ and PAGAST, 1941: 16. Limoniidae. Fliegen pal. Reg., 3(5)2: 31 (*Dicranomyia*). Type-locality: Alps.—Distr.: Europe: A, CH, CS, D, F, I, R, ?YU.
- subdichroa** SAVCHENKO, 1974: Dopov. Akad. Nauk ukr. RSR (B), 1974: 471 (*Dicranomyia*). Type-locality: Eldere gorge, Kopet-Dag Mts (USSR: Tu).—Distr.: USSR: SMA (Tu).
- subdidyma** (ALEXANDER, 1975): JI N.Y. ent. Soc., 83: 132 (*Limonia*). Type-locality: Darband (Iran).—Distr.: Asia: Iran.
- sublimis** (ALEXANDER, 1932): Philipp. J. Sci., 49: 384 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan, Tibet); India, Burma.
- subpulchripennis** (ALEXANDER, 1931): Philipp. J. Sci., 44: 350 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- suspensa** (ALEXANDER, 1933): Philipp. J. Sci., 51: 394 (*Limonia*). Type-locality: Seto, Kii, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- takeuchii** ALEXANDER, 1922: Insecutor Inscit. menstr., 10: 179 (*Dicranomyia*). Type-locality: Mt. Ibuki, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku).

- terraenovae** ALEXANDER, 1920: Pomona Coll. J. Ent. Zool., **12**: 85 (*Dicranomyia*). Type-locality: Spruce Brook, Newfoundland (Canada).—Distr.: Europe: DK, N, S, SF; USSR: NET, CET (northwest), WS (south), ES (south), FE (Kamchatka, Magadan obl., Khabarovskiy kray); Asia: Mongolia; Nearctic Region.
- tenuipes** (ZETTERSTEDT, [1838]): Insecta Lapp.: 837 (*Limnobia*). Type-localities: Lycksele; Kengis (Sweden). [A junior primary homonym of *Limnobia tenuipes* SAY, 1823.]
- decora** (STAEGER, 1840): Naturh. Tidsskr., **3**: 47 (*Limnobia*). Type-locality: Silkeborg (Denmark). [A junior primary homonym of *Limnobia decora* HALIDAY, 1833.]
- tessulata** (SAVCHENKO, 1974): Vestn. zool., **1974**(4): 68 (*Rhipidia*). Type-locality: Alma-Atinskoye lake, Zailiyskiy Alatau (USSR).—Distr.: USSR: KZ (Zailiyskiy Alatau), SMA (Ki, Tj).
- trifilamentosa** (ALEXANDER, 1932): Philipp. J. Sci., **49**: 112 (*Limonia*). Type-locality: Seto, Wakayama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Kyushu).
- trispinula** (ALEXANDER, 1933): Philipp. J. Sci., **50**: 139 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- tristina** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 512 (*Limonia*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Shikoku, Kyushu).
- unicinctifera** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 513 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- unispinosa** ALEXANDER, 1921: Ann. ent. Soc. Am., **14**: 114 (*Dicranomyia*). Type-locality: Gifu, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: Japan (Honshu, Kyushu).
- variispina** ALEXANDER, 1925: Ann. Mag. nat. Hist., (9) **15**: 65 (*Dicranomyia*). Type-locality: Hinoemata, Iwashiro-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- ventralis** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 136 (*Limnobia*). Type-locality: Charlottenbrunn [= Jedlina Zdrój, S of Walbrzych] (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E, F, GB, H, I, N, NL, PL, R, S, SF; USSR: NET (west), CET (west), SET (Uk, Crimea), TC, SMA (Ki), Siberia eastward to Yakutsk ASSR; Asia: Iran, Afghanistan, North Korea; India.
- [*simplex* BRUNETTI, 1912: Fauna Brit. India, Dipt., **1**: 384 (*Dicranomyia*). Type-locality: Calcutta (India).]
- perserotina** (ALEXANDER, 1945): Trans. R. ent. Soc. Lond., **95**: 240 (*Limonia*). Type-locality: Ompo (North Korea).
- [*pristomera* (ALEXANDER, 1968): Orient. Ins., **1**: 204 (*Limonia*). Type-locality: Piriapatna, Mysore (India).]

- veternosa** (ALEXANDER, 1935): Philipp. J. Sci., **57**: 208 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- vicina** (MACQUART in WEBB and BERTHELOT, 1839): Hist. nat. Iles Canaries, **2**(2): 101 (*Limnobia*). Type-locality: not given (Canary Is).—Distr.: Azores, Madeira, Canary Is.
- canariensis** BECKER, 1908: Mitt. zool. Mus. Berl., **4**: 82 (*Dicranomyia*). Type-localities: Gran Canaria; Tenerife (Canary Is).
- punctipennis** PIERRE, 1921: Bull. Mus. natn. Hist. nat. Paris, **27**: 298 (*Dicranomyia*). Type-locality: Tafira, Gran Canaria (Canary Is).
- bifasciata** SANTOS ABREU, 1923: Mem. R. Acad. Cienc. Artes Barcelona, **18**: 44 (*Dicranomyia*, as var. of *canariensis*). Type-locality: Dehesa de la Encarnación, La Palma (Canary Is).
- domestica** (SANTOS ABREU, 1923): Mem. R. Acad. Cienc. Artes Barcelona, **18**: 144 (*Tedotea*). Type-locality: Santa Cruz de la Palma, La Palma (Canary Is).
- pallidula** SANTOS ABREU, 1923: Mem. R. Acad. Cienc. Artes Barcelona, **18**: 44 (*Dicranomyia*, as var. of *canariensis*). Type-locality: Barranco de Morera, La Palma (Canary Is).
- zernyi** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, **42**: 217 (*Dicranomyia*). Type-locality: Mader in Böhmerwald [= Modrava na Sumave] (Czechoslovakia).—Distr.: Europe: CS, D, N, S; USSR: CET (Li), SET (Carpathians), Ural, ES (Buryat ASSR), FE (Chukotka, Primorskiy kray, Sakhalin, Kuril Is); Nearctic Region.

Subgenus EROSTRATA SAVCHENKO, 1976

SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 130-131 (as subgenus of *Dicranomyia* STEPHENS, 1829).

Type-species: *Dicranomyia globithorax* OSTEN SACKEN, 1869: Smithson. misc. Collns, **8**(219): 74 (orig. des.).

- [**globithorax** OSTEN SACKEN, 1869: Smithson. misc. Collns, **8**(219): 74 (*Dicranomyia*). Type-localities: White Mts; Washington D.C. (USA).—Distr.: USA, Canada.]
- globithorax globulithorax** ALEXANDER, 1924: Philipp. J. Sci., **24**: 547 (*Dicranomyia*, as species). Type-locality: Shikotsu, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: Japan (Hokkaido, Shikoku).
- tabashii** (ALEXANDER, 1934): Philipp. J. Sci., **55**: 39 (*Limonia*). Type-locality: Suigen (North Korea).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea.

Subgenus EUGLOCHINA ALEXANDER, 1921

ALEXANDER, 1921: Can. Ent., **53**: 207 (as subgenus of *Dicranomyia* STEPHENS, 1829).

Type-species: *Dicranomyia cuneiformis* DE MEIJERE, 1911: Tijdschr. Ent., **54**: 23 (orig. des.) [= *saltens* (DOLESCHALL, 1857)]; not Palearctic.

curtivena ALEXANDER, 1922: Insecutor Inscit. menstr., **10**: 179 (*Dicranomyia*).

Type-locality: Gifu, Honshu (Japan).—Distr.: Asia: Japan (Honshu); Taiwan.

dignitosa (ALEXANDER, 1931): Philipp. J. Sci., **44**: 351 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan, Zhejiang); China (Jiangxi).

Subgenus GLOCHINA MEIGEN, 1830

MEIGEN, 1830: Syst. Besch., **6**: 280 (as genus).

Type-species: *Glochina sericata* MEIGEN, 1830: l.c.: 280 (by present designation).

Siagona MEIGEN, 1830: Syst. Besch., **6**: plate 65 (as genus). Type-species: *Glochina sericata* MEIGEN, 1830: l.c.: 280 (mon.).

Salebria SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 140 (as subgenus of *Dicranomyia* STEPHENS, 1829). Type-species: *Limnobia tristis* SCHUMMEL, 1829: Beitr. Ent., Breslau, **1**: 135 (orig. des.).

Salebriella SAVCHENKO, 1978: Vestn. zool., **1978**(5): 49 (as subgenus of *Dicranomyia* STEPHENS, 1829, as new name for *Salebria* SAVCHENKO, 1976, a junior homonym of *Salebria* ZELLER, 1856). Type-species: *Limnobia tristis* SCHUMMEL, 1829: Beitr. Ent., Breslau, **1**: 135 (aut.).

bangerteri (MENDL, 1974): Fragm. ent., Roma, **9**: 205 (*Limonia*). Type-locality: Colla valley, near Diano Castello, Imperia, Liguria (Italy).—Distr.: Europe: CH, F, I.

basifusca ALEXANDER, 1919: Ann. ent. Soc. Am., **12**: 328 (*Dicranomyia*). Type-locality: Meguro, Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu); Bonin Is.

atripleura ALEXANDER, 1919: Ann. ent. Soc. Am., **12**: 328 (*Dicranomyia*). Type-locality: Choshi, Chiba pref., Honshu (Japan).

brevispina SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 141 (*Dicranomyia*). Type-locality: near Yuzhno-Kurilsk, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).

cretica MENDL, 1979: Spixiana, **2**: 170 (*Dicranomyia*). Type-locality: Episkopi, Crete (Greece).—Distr.: Europe: GR (Crete).

- hansiana** STARÝ et GEIGER, 1985: Annotnes zool.-bot. Bratisl., **166**: 2 (*Dicranomyia*). Type-locality: Il Fuorn, Graubünden (Switzerland).—Distr.: Europe: CH, I.
- kaszabi** (MANNHEIMS et SAVCHENKO, 1973): Annls hist.-nat. Mus. natn. hung., **65**: 260 (*Limonia*). Type-locality: Chamardavaa ul, 80 km SE Somon Chalingol (Mongolia).—Distr.: Asia: Mongolia.
- kinensis** (ALEXANDER, 1934): Arkiv Zool., **27**(A)(17): 17 (*Limonia*). Type-locality: Kung-tze-tagga, Tsaluk valley, Min Mts, Gansu (China).—Distr.: Europe: A, CH, CS, I, NL; USSR: TC (Ge), FE (Primorskiy kray); Asia: China (Gansu).
- liberta** OSTEN SACKEN, 1860: Proc. Acad. nat. Sci. Philad., **1859**: 209 (*Dicranomyia*). Type-localities: Washington D.C.; Mobile, Alabama; Dalton, Georgia; Wisconsin (USA).—Distr.: USSR: WS (near Tomsk); Nearctic Region.
- mediterranea** LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1942: 16. Limoniidae, Fliegen pal. Reg., **3**(5)2: 35 (*Dicranomyia*). Type-localities: Algeria; southern Europe.—Distr.: Europe: AL, I; North Africa: Algeria.
- pauli** GEIGER, 1983: Revue suisse Zool., **90**: 639 (*Dicranomyia*). Type-locality: Verschiez (Switzerland).—Distr.: Europe: CH, GB, I, YU.
- perobtusa** (ALEXANDER, 1945): Notes Ent. chin., **21**: 23 (*Limonia*). Type-locality: Kunming, Yunnan (China).—Distr.: Asia: China (Tibet); China (Yunnan).
- persordida** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 142 (*Dicranomyia*). Type-locality: near Alekhino, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- schineri** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, **42**: 223 (*Dicranomyia*). Type-locality: not given.—Distr.: Europe: A, CH, CS, DDR, H, I, R, S, SF; USSR: CET (Ural), SET (south), KZ (Zailiyskiy Alatau), SMA (Ki), WS (Altai, Tuva); Asia: Mongolia.
- schineriana* (ALEXANDER, 1964): Philipp. J. Sci., **93**: 282 (*Limonia*, as new name for *Dicranomyia schineri* LACKSCHEWITZ, 1928, at time of replacement a junior secondary homonym of *Peripheroptera schineri* OSTEN SACKEN, 1887, replaced after 1961 and to date not considered congeneric).
- sericata** (MEIGEN, 1830): Syst. Besch., **6**: 280 (*Glochina*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, AL, B, BG, CH, CS, D, ?DDR, E, F (incl. Corsica), GB, GR (incl. Crete, Rodhos), H, I (incl. Sicily), R, YU; USSR: SET (Carpathians, Crimea), TC (southeast); Asia: Turkey.
- grisea* (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 156 (*Limnobia*). Type-locality: not given (northern France). [A questionable senior synonym.]
- glabrata* (WALKER, 1856): Ins. Brit., Dipt., **3**: 299 (*Limnobia*). Type-locality: not given (Great Britain).
- croatica* (EGGER, 1863): Verh. zool.-bot. Ges. Wien, **13**: 1108 (*Limnobia*). Type-locality: Croatia (Yugoslavia).

- sordida** BRUNETTI, 1912: Fauna Brit. India, Dipt., 1: 382 (*Dicranomyia*). Type-locality: Kurseong, Darjeeling (India).—Distr.: Asia: Tibet; widespread Oriental, Australasian and Oceanian Regions.
- sordidipennis** (ALEXANDER, 1940): Lingnan Sci. J., 19: 111 (*Limonia*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: USSR: FE (Primorskiy kray); Asia: China (Zhejiang).
- transsilvanica** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, 42: 223 (*Dicranomyia*). Type-locality: Siebenbürgen [= Transylvania (Roumania)].—Distr.: Europe: A, CH, CS, ?DDR, I, R, YU; USSR: SET, TC (Arm, Az).
- tristis** (SCHUMMEL, 1829): Beitr. Ent., Breslau, 1: 135 (*Limnobia*). Type-localities: near Wrocław; Pöpelwitz (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, E, F, H, I, N, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET, SET, TC, SMA (Ki), southern Siberia eastward to Primorskiy kray; North Africa: Algeria; Asia: North Korea, Japan (Hokkaido); China (Jiangxi); Nearctic Region.
- maculosa** (STROBL, 1900): Wien. ent. Ztg, 19: 212 (*Limnobia*, as form of *tristis*). Type-locality: Brincola (Spain). [Synonymy not certain.]
- subtristis** ALEXANDER, 1924: Philipp. J. Sci., 24: 542 (*Dicranomyia*). Type-locality: Kamuikotan, Hokkaido (Japan).
- retroflexa** BANGERTER, 1948: Mitt. schweiz. ent. Ges., 21: 185 (*Dicranomyia*). Type-locality: Sensetal (Switzerland).
- tristoides** (ALEXANDER, 1929): Philipp. J. Sci., 40: 328 (*Limonia*). Type-locality: Koshurei, Kongchuling, Manchuria (China).—Distr.: Asia: Mongolia, China (Manchuria).

Subgenus IDIOGLOCHINA ALEXANDER, 1921

ALEXANDER, 1921: Can. Ent., 53: 207 (as subgenus of *Dicranomyia* STEPHENS, 1829).

Type-species: *Rhipidia tusitala* ALEXANDER, 1921: Bull. Brooklyn ent. Soc., 16: 10 (orig. des.); not Palaeartic.

- medidorsalis** (TOKUNAGA, 1936): Annotnes zool. jap., 15: 460 (*Limonia*). Type-locality: Kurose, Tomie, Goto Is, Nagasaki pref., Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- tokunagai** (ALEXANDER, 1932): Philipp. J. Sci., 49: 113 (*Limonia*). Type-locality: Seto, Wakayama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Kyushu); Japan (Ryukyu Is).
- tokunagana** (ALEXANDER, 1964): Philipp. J. Sci., 93: 282 (*Limonia*, as new name for *Limonia gloriosa* TOKUNAGA, 1938, a junior secondary homonym of *Furcomyia gloriosa* ALEXANDER, 1912).—Distr.: Asia: Japan (Honshu).
- gloriosa** (TOKUNAGA, 1938): Annotnes zool. jap., 17: 165 (*Limonia*). Type-locality: Hayama, Honshu (Japan).

Subgenus IDIOPYGA SAVCHENKO, 1987

SAVCHENKO, 1987: Vestn. zool., **1987**(6): 81 (as subgenus of *Dicranomyia* STEPHENS, 1829, as new name for *Sphaeropyga* SAVCHENKO, 1976, a junior homonym of *Sphaeropyga* BAIER, 1960).

Type-species: *Limnobia stigmatica* MEIGEN, 1830: Syst. Besch., 6: 278 (aut.).
Sphaeropyga SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 146 (as subgenus of *Dicranomyia* STEPHENS, 1829). Type-species: *Limnobia stigmatica* MEIGEN, 1830: Syst. Besch., 6: 278 (orig. des.).

alpina BANGERTER, 1948: Mitt. schweiz. ent. Ges., **21**: 187 (*Dicranomyia*). Type-locality: alpine meadows above Mürren, Berner Oberland (Switzerland).—Distr.: Europe: A, CH, CS, D.

ctenopyga (ALEXANDER, 1943): Am. Midl. Nat., **29**: 156 (*Limonia*). Type-locality: Copper Creek below Judd Falls, Colorado (USA).—Distr.: USSR: SET (southeast), WS (Altai, Tuva), ES (south), FE (Magadan obl., Kamchatka, Primorskiy kray); Nearctic Region. [?Conspecific with *retrograda* ALEXANDER, 1941.]

danica KUNTZE, 1919: Dt. ent. Z., **1919**: 144 (*Dicranomyia*). Type-locality: Faeroes (Denmark).—Distr.: Europe: A, CS, D, DDR, DK (incl. Faeroes), GB, H, NL, PL, S, SF; USSR: SMA (Ki).

esbeni (NIELSEN, 1940): Ent. Meddr., **20**: 575 (*Limonia*). Type-locality: near Lerkenfeld, Jutland (Denmark).—Distr.: Europe: DK.

grahamiana (ALEXANDER, 1933): Philipp. J. Sci., **51**: 529 (*Limonia*). Type-locality: near Tang-Gu (China).—Distr.: Asia: China (Sichuan-Tibet border).

halterella EDWARDS, 1921: Trans. R. ent. Soc. Lond., **1921**: 201 (*Dicranomyia*). Type-locality: Catacol, Arran (Great Britain).—Distr.: Europe: A, CH, CS, D, F, GB, N, S, SF; USSR: NET (west), CET (west), SET (Carpathians), SMA (Ki), WS (Altai, Tuva), FE (Magadan obl., Kamchatka, Primorskiy kray, Sakhalin); Nearctic Region.

[*gracilis* DOANE, 1900: Jl N.Y. ent. Soc., **8**: 184 (*Dicranomyia*, at time of replacement by TJEDER, 1958, a junior secondary homonym of *Limnobia gracilis* WIEDEMANN, 1828, an unplaced species of Limoniidae, and *Limnobia gracilis* ZETTERSTEDT, 1838, now in *Gonomyia*). Type-locality: Mt. Moscow, Idaho (USA).]

intricata ALEXANDER, 1927: Can. Ent., **59**: 221 (*Dicranomyia*). Type-locality: Lesser Slave lake, Alberta (Canada).—Distr.: Europe: S; Nearctic Region.

suecica (NIELSEN, 1953): Z. wien. ent. Ges., **38**: 34 (*Limonia*). Type-locality: near Abisko (Sweden).

klefbecki (TJEDER, 1941): Opusc. ent., **6**: 57 (*Limonia*). Type-locality: Dalecarlia, Floda, Syrholn (Sweden).—Distr.: Europe: S; USSR: CET (Est), ES, FE (Magadan obl., Khabarovskiy kray); Asia: Mongolia; Nearctic Region.

- [*michigana* (ALEXANDER, 1950): Ent. News, **61**: 166 (*Limonia*). Type-locality: Edwin S. George reserve, Livingston Co., Michigan (USA).]
- megapygos* LACKSCHEWITZ, 1964: Ent. Obozr., **43**: 712 (*Dicranomyia*). Type-locality: valley of Ivanovka river, Nizhnyi Kar district, Transbaikalia (USSR).
- lackschewitzi* EDWARDS, 1928: Encycl. ent. (B II) Dipt., **4**: 182 (*Dicranomyia*). Type-locality: 2 mi above Corte, Restonica valley, Corsica (France).—Distr.: Europe: CS, F (Corsica).
- lulensis* (TJEDER, 1969): Opusc. ent., **34**: 250 (*Limonia*). Type-locality: Änonjalma, Kvikkjokk delta, Lapland (Sweden).—Distr.: Europe: S.
- magnicauda* LUNDSTRÖM, 1912: Acta Soc. Fauna Flora fenn., **36**(1): 54 (*Dicranomyia*). Type-locality: Karislojo, Regio Aboënsis (Finland).—Distr.: Europe: DK, GB, S, SF; USSR: NET, CET (northwest), FE (Magadan obl.); ?Nearctic Region.
- [*broweriana* (ALEXANDER, 1941): Ent. News, **52**: 193 (*Limonia*). Type-locality: Richardson lake, near Oquassoc, Oxford Co., Maine (USA).] [Synonymy not certain.]
- megacauda* ALEXANDER, 1924: Philipp. J. Sci., **24**: 546 (*Dicranomyia*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: Europe: CH; USSR: FE (Primorskiy kray, Sakhalin, Kuril Is).
- melleicauda* ALEXANDER, 1917: Can. Ent., **49**: 22 (*Dicranomyia*). Type-locality: Bear Creek, Morrison Co., Colorado (USA).—Distr.: USSR: CET (Saratov), WS (south), ES (south), FE (Magadan obl., Kamchatka); Asia: Mongolia; Nearctic Region.
- trispinosa* LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1941: 16. Limoniidae, Fliegen pal. Reg., **3**(5)2: 20 (*Dicranomyia*). Type-locality: not given (Zagan lake, 100 km W Ulan-Bator, Mongolia, by holotype [= lectotype] des. of LACKSCHEWITZ, 1964).
- melleicauda complicata* DE MEIJERE, 1918: Tijdschr. Ent., **61**: 129 (*Dicranomyia*, as species). Type-locality: Diemen (The Netherlands).—Distr.: Europe: B, D, DK, F, GB, NL.
- melleicauda stenoptera* SAVCHENKO, 1970: Dopov. Akad. Nauk ukr. RSR (B), **1970**: 468 (*Dicranomyia*, as subsp. of *complicata*). Type-locality: Khibiny, Murmansk obl. (USSR).—Distr.: USSR: NET (north).
- murina* (ZETTERSTEDT, 1851): Dipt. scand., **10**: 3882 (*Limnobia*). Type-localities: Lapponia Lulenis; Ristanfors (Sweden).—Distr.: Europe: ?D, N, S; USSR: NET (southwest), CET (northwest), WS (Tuva), ES (Yakutsk ASSR), FE (Magadan obl., Kamchatka); Nearctic Region.
- nigristigma* NIELSEN, 1919: Ent. Meddr., **13**: 12 (*Dicranomyia*). Type-localities: Tvillum; Sminge; Funder (Denmark).—Distr.: Europe: CH, CS, D, DK, F, GB.
- piscataquis* (ALEXANDER, 1941): Can. Ent., **73**: 86 (*Limonia*). Type-locality: Sourdnahunk lake, Piscataquis Co., Maine (USA).—Distr.: USSR: FE (Magadan obl., Kamchatka, Kuril Is); Nearctic Region.

- kamtshatica* LACKSCHEWITZ, 1964: Ent. Obozr., **43**: 711 (*Dicranomyia*). Type-locality: Kamchatka (USSR).
- ponojensis* LUNDSTRÖM, 1912: Acta Soc. Fauna Flora fenn., **36**(1): 53 (*Dicranomyia*). Type-locality: Ponoy river, Kola peninsula (USSR).—Distr.: Europe: N, S, SF; USSR: NET (west), CET (northwest), FE (Magadan obl., Kamchatka, Sakhalin); ?Nearctic Region.
- [*sphagnicola* ALEXANDER, 1925: Occ. Pap. Boston Soc. nat. Hist., **5**: 173 (*Dicranomyia*). Type-locality: May lake, Berkshire Co., Massachusetts (USA).] [Synonymy not certain.]
- retrograda* (ALEXANDER, 1941): Philipp. J. Sci., **76**: 45 (*Limonia*). Type-locality: Tatsienlu, Sichuan (China).—Distr.: USSR: SMA (Ki, Tj); Asia: China (Sichuan). [See *ctenopyga*.]
- sternolobata* (ALEXANDER, 1936): Philipp. J. Sci., **60**: 339 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- stigmatica* (MEIGEN, 1830): Syst. Besch., **6**: 278 (*Limnobia*). Type-locality: near Hamburg [D].—Distr.: Europe: A, B, CH, CS, D, DDR, DK, E, F, GB, I, N, NL, PL, R, S, SF; USSR: NET (southwest), CET (northwest), SET (Uk), WS (north), FE (Kamchatka).
- tseni* (ALEXANDER, 1938): Philipp. J. Sci., **66**: 315 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- violovitshi* SAVCHENKO, 1974: Vestn. zool., **1974**(4): 67 (*Dicranomyia*). Type-locality: near Shurmak, Tuva (USSR).—Distr.: USSR: WS (Tuva).

Subgenus MELANOLIMONIA ALEXANDER, 1965

ALEXANDER, 1965: Philipp. J. Sci., **93**: 468 (as subgenus of *Limonia* MEIGEN, 1803).

Type-species: *Tipula morio* FABRICIUS, 1787: Mantissa insect., **2**: 324 (orig.des.).

- azorica* (NIELSEN, 1963): Bolm Mus. munic. Funchal, **17**: 80 (*Limonia*). Type-locality: Caldeira, Faial (Azores).—Distr.: Azores.
- caledonica* EDWARDS, 1926: Entomologist's mon. Mag., **62**: 31 (*Dicranomyia*). Type-locality: Nethy Bridge, Inverness (Great Britain).—Distr.: Europe: A, BG, CH, CS, D, DK (incl. Faeroes), F, GB, H, I, IRE, N, PL, R, S, SF; USSR: NET (west), SET, TC, WS (Tuva), ES (Taymyr), FE (Chukotka).
- hamata* BECKER, 1908: Mitt. zool. Mus. Berl., **4**: 83 (*Dicranomyia*). Type-locality: Villa Orotava, Tenerife (Canary Is).—Distr.: Europe: F (Corsica); Azores, Canary Is.
- saxetana* SANTOS ABREU, 1923: Mem. R. Acad. Cienc. Artes Barcelona, **18**: 64 (*Dicranomyia*). Type-locality: Barranco del Río, La Palma (Canary Is).
- umbraticola* SANTOS ABREU, 1923: Mem. R. Acad. Cienc. Artes Barcelona, **18**: 58 (*Dicranomyia*). Type-locality: Barranco del Río, La Palma (Canary Is).

- tyrrhenica* EDWARDS, 1928: *Encycl. ent. (B II) Dipt.*, **4**: 182 (*Dicranomyia*).
Type-localities: Restonica valley; river Porto near Evisa (France: Corsica).
- kansuensis** (ALEXANDER, 1930): *Philipp. J. Sci.*, **42**: 510 (*Limonia*). Type-locality: Hwëhsien, Gansu (China).—Distr.: Asia: China (Gansu).
- kongosana** (ALEXANDER, 1934): *Philipp. J. Sci.*, **55**: 43 (*Limonia*). Type-locality: Mt. Kongo (North Korea).—Distr.: USSR: FE (Sakhalin); Asia: North Korea, Japan (Shikoku).
- morio** (FABRICIUS, 1787): *Mantissa insect.*, **2**: 324 (*Tipula*). Type-locality: Kiel [D].—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F (incl. Corsica), GB, GR, H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET (west), CET (north-west), SET, TC; Asia: Iran; North Africa: Morocco.
- leucocephala* (MEIGEN, 1818): *Syst. Besch.*, **1**: 136 (*Limnobia*). Type-locality: not given ("von Hrn. Wiedemann").
- reperta* (WALKER, 1848): *List Dipt. Brit. Mus.*, **1**: 45 (*Limnobia*). Type-localities: Alten [= Alta]; Hammerfest (Norway).
- pauliani* (SÉGUY, 1941): *Revue fr. Ent.*, **8**: 26 (*Limonia*). Type-locality: Tachdirt, Toubkal (Morocco).—Distr.: North Africa: Morocco.
- nesomorio** ALEXANDER, 1928: *Philipp. J. Sci.*, **35**: 465 (*Dicranomyia*). Type-locality: Mt. Rantaizan (Taiwan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Taiwan.
- occidua** EDWARDS, 1926: *Entomologist's mon. Mag.*, **62**: 32 (*Dicranomyia*). Type-locality: Ingleton, Yorks (Great Britain).—Distr.: Europe: A, CH, CS, D, F, GB, I, N, R, S, YU; USSR: NET (southwest), CET (northwest), SET (Carpathians).
- paramorio** ALEXANDER, 1926: *Philipp. J. Sci.*, **31**: 363 (*Dicranomyia*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: USSR: FE (Kamchatka, Primorskiy kray); Asia: China (Zhejiang).
- paramorio platysoma** (ALEXANDER, 1933): *Philipp. J. Sci.*, **51**: 530 (*Limonia*). Type-locality: Mt. Wakasugi, Chikuzen, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- parviloba** (ALEXANDER, 1940): *Philipp. J. Sci.*, **71**: 41 (*Limonia*). Type-locality: Seren Mts (North Korea).—Distr.: Asia: North Korea.
- parvincisa** (ALEXANDER, 1940): *Philipp. J. Sci.*, **71**: 42 (*Limonia*, as subsp. of *parviloba* ALEXANDER). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea, Japan (Shikoku).
- nankaidoensis* (ALEXANDER, 1953): *Philipp. J. Sci.*, **82**: 160 (*Limonia*). Type-locality: Mt. Tsurugi, Awa, Shikoku (Japan).
- penita** (ALEXANDER, 1936): *Philipp. J. Sci.*, **59**: 234 (*Limonia*). Type-locality: Wen Chuan, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pseudomorio** ALEXANDER, 1920: *Trans. Am. ent. Soc.*, **46**: 3 (*Dicranomyia*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).

- rufiventris** (STROBL, 1901): Jber. naturh. Landesmus. Kärnten, **26**: 191 (*Limnobia*, as var. of *morio* FABRICIUS). Type-locality: Silesia (Poland).—Distr.: Europe: A, CH, CS, D, F, GB, N, PL, R, S, SF; USSR: NET (west), CET (northwest), SET (Carpathians). ES (Taymyr, Irkutsk obl.), FE (Magadan obl., Kamchatka, Sakhalin); Asia: Mongolia; Nearctic Region.
- argentea** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 153 (*Limnobia*). Type-locality: not given (northern France). [A questionable senior synonym.]
- stylifera** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, **42**: 220 (*Dicranomyia*). Type-localities: several localities in Austria (Austria, by lectotype des. of SAVCHENKO and KANDYBINA, 1987).—Distr.: Europe: A, CH, CS, D, F, GB, I, IRE, N, S, SF, YU; USSR: SET (Carpathians).
- angustipennis** (ZETTERSTEDT, [1838]): Insecta Lapp., 838 (*Limnobia*). Type-localities: several localities in Lapland (Umenäs, Lappmark, by [lecto]-type des. of TJEDER, 1958). [A junior primary homonym of *Limnobia angustipennis* MEIGEN, 1818.]
- subaurita** (ALEXANDER, 1938): Philipp. J. Sci., **67**: 137 (*Limonia*). Type-locality: Ompo (North Korea).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: North Korea, China (east).
- submorio** ALEXANDER, 1920: Trans. Am. ent. Soc., **46**: 2 (*Dicranomyia*). Type-locality: Saitama pref., Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu).

Subgenus NUMANTIA BIGOT, 1854

BIGOT, 1854: Annlis Soc. ent. Fr., (3) **2**: 457 and 470 (as genus).

Type-species: *Limonia fusca* MEIGEN, 1804: Klass. Beschr., **1**: 54 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 576).

- fusca** (MEIGEN, 1804): Klass. Beschr., **1**: 54. (*Limonia*). Type-locality: not given (?near Stoiberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, I, IRE, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (west), SET, TC, FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Iran, Japan (Hokkaido, Honshu, Shikoku); Nearctic Region.
- atra** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 151 (*Limnobia*). Type-locality: not given (northern France).
- laevigata** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 157 (*Limnobia*). Type-locality: not given (northern France).
- turpis** (WALKER, 1856): Ins. Brit., Dipt., **3**: 300 (*Limnobia*). Type-locality: not given (Great Britain).
- pilipennis** (EGGER, 1863): Verh. zool.-bot. Ges. Wien, **13**: 1108 (*Limnobia*). Type-locality: Austria.

Subgenus PSEUDOGLOCHINA ALEXANDER, 1921

ALEXANDER, 1921: Can. Ent., **53**: 208 (as subgenus of *Libnotes* WESTWOOD, 1876).

Type-species: *Libnotes pulchripes* ALEXANDER, 1920: Proc. R. Soc. Qd, **32**: 95 (orig. des.); not Palearctic.

bryophila (ALEXANDER, 1934): Philipp. J. Sci., **53**: 275 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

Subgenus SIVALIMNOBIA ALEXANDER, 1963

ALEXANDER, 1963: Philipp. J. Sci., **92**: 220 (as subgenus of *Limonia* MEIGEN, 1803).

Type-species: *Dicranomyia fortis* BRUNETTI, 1912: Fauna Brit. India, Dipt., **1**: 385 (orig. des.); not Palearctic.

aquosa VERRALL, 1886: Entomologist's mon. Mag., **23**: 156 (*Dicranomyia*). Type-localities: falls of the Shin river; Oykel (Great Britain).—Distr.: Europe: A, AL, B, BG, CH, CS, F (incl. Corsica), GB, I, IRE, YU.

pedicellata EDWARDS, 1928: Encycl. ent. (B II) Dipt., **4**: 181 (*Dicranomyia*). Type-locality: Restonica valley, Corsica (France).

euphileta (ALEXANDER, 1924): Insecutor Inscit. menstr., **12**: 154 (*Limonia*). Type-locality: Ozenuma on boundary between Iwashiro-no-kuni and Kotsuke-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu); Borneo.

biceps (ALEXANDER, 1925): Ann. Mag. nat. Hist., (9) **15**: 386 (*Limonia*). Type-locality: Gokanosho, Higo-no-kuni, Kyushu (Japan).

Doubtful species of *Dicranomyia*

majuscula PIERRE, 1924: Bull. Soc. Sci. nat. Maroc, **4**: 200 (*Dicranomyia*). Type-locality: Haut Imminen, High Atlas (Morocco).

Discobola OSTEN SACKEN, 1865

OSTEN SACKEN, 1865: Proc. ent. Soc. Philad., 4: 226.

Type-species: *Limnobia argus* SAY in KEATING, 1824: Major Long's second expedition, 2: 358 (des. COQUILLETT, 1910: Proc. U.S. natn. Mus., 37: 534) [= *annulata* (LINNAEUS, 1758)].

Trochobola OSTEN SACKEN, 1869: Smithson. misc. Collns, 8(219): 97 (as [unnecessary] new name for *Discobola* OSTEN SACKEN, 1865). Type-species: *Limnobia argus* SAY in KEATING, 1824: Major Long's second expedition, 2: 358 (des. COQUILLETT, 1910: Proc. U.S. natn. Mus., 37: 617) [= *annulata* (LINNAEUS, 1758)].

acurostris (ALEXANDER, 1943): Proc. R. ent. Soc. Lond. (B), 12: 177 (*Limonia*).

Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

annulata (LINNAEUS, 1758): Syst. Nat., Ed. 10, 1: 586 (*Tipula*). Type-locality: Europe.—Distr.: Europe: A, BG, CH, CS, D, DDR, F, GB, N, PL, R, S, SF, YU; USSR: NET (southwest), CET (west), SET (west), WS (Altai), ES, FE (Kamchatka, Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is); Asia: from Japan (Hokkaido) to Nepal; India, Taiwan, Philippines, Borneo, New Guinea; Nearctic Region.

imperialis (LOEW, 1851): Linn. ent., 5: 403 (*Limnobia*). Type-locality: Leningrad region (USSR).

armorica (ALEXANDER, 1942): Rec. Indian Mus., 44: 54 (*Limonia*). Type-locality: Adung valley (Burma).—Distr.: Asia: China (Tibet); Burma.

caesarea (OSTEN SACKEN, 1854): Stettin. ent. Ztg, 15: 212 (*Limnobia*). Type-locality: near Leningrad (USSR).—Distr.: Europe: A, CH, CS, D, F, H, I, PL, S, SF; USSR: NET (south), CET, SET (west), WS (Tuva), FE (Khabarovskiy kray, Primorskiy kray).

frejana (NIELSEN, 1961): Commentat. biol., 24(2): 5 (*Limonia*). Type-locality: Furnas, São Miguel (Azores).—Distr.: Azores.

fumihalterata (ALEXANDER, 1955): Philipp. J. Sci., 83: 281 (*Limonia*). Type-locality: Mt. Takanawa, Shikoku (Japan).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: Japan (Shikoku, Kyushu).

margarita ALEXANDER, 1924: Philipp. J. Sci., 24: 539 (*Discobola*). Type-locality: Kamiotoineppu, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu), North Korea; Taiwan, Thailand, India.

moiwana ALEXANDER, 1924: Philipp. J. Sci., 24: 540 (*Discobola*). Type-locality: Mt. Moiwa, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido).

parvispinula (ALEXANDER, 1947): Ann. ent. Soc. Am., 40: 350 (*Limonia*). Type-locality: Kamikochi, Shinano, Honshu (Japan).—Distr.: Europe: CS; USSR: NET (Komi ASSR), SET (Carpathians), WS (Altai), ES (Krasnoyarskiy kray), FE (Amur obl., Primorskiy kray, Sakhalin); Asia: Japan (Honshu).

taivanella (ALEXANDER, 1930): Philipp. J. Sci., **43**: 511 (*Limonia*). Type-locality: Hassensan (Taiwan).—Distr.: Asia: China (Sichuan); Taiwan.

Geranomyia HALIDAY, 1833

HALIDAY, 1833: Ent. Mag., **1**: 154.

Type-species: *Geranomyia unicolor* HALIDAY, 1833: l.c.: 155 (mon.).

Aporosa MACQUART in WEBB and BERTHELOT, 1839: Hist. nat. Iles Canaries, **2**(2): 100. Type-species: *Aporosa maculipennis* MACQUART, 1839: l.c.: 100 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 509) [= *canariensis* BERGROTH, 1889].

Parageranomyia SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 100. Type-species: *Parageranomyia palmensis* SANTOS ABREU, 1923: l.c.: 101 (mon.) [= *canariensis* BERGROTH, 1889].

annandalei EDWARDS, 1913: J. Proc. asiat. Soc. Beng. (N.S.), **9**: 47 (*Geranomyia*). Type-locality: Plain of Gennesaret (Israel).—Distr.: Asia: Israel.

atlantica (WOLLASTON, 1858): Ann. Mag. nat. Hist., (3) **1**: 115 (*Limnobia*). Type-locality: Porto Santo (Madeira).—Distr.: Azores, Madeira.

atlantica annulirostris PIERRE, 1921: Bull. Mus. natn. Hist. nat. Paris, **27**: 298 (*Geranomyia*, as species). Type-locality: near Las Palmas, Gran Canaria (Canary Is).—Distr.: Canary Is, Selvagens Is.

cabrerae SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 81 (*Geranomyia*). Type-locality: Tenerife (Canary Is).

dimidiata SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 91 (*Geranomyia*). Type-locality: Barranco de Morera, La Palma (Canary Is).

teneriffae SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 97 (*Geranomyia*). Type-locality: Tenerife (Canary Is).

avocetta ALEXANDER, 1913: Can. Ent., **45**: 205 (*Geranomyia*). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku).

bezzii ALEXANDER et LEONARD, 1912: Can. Ent., **44**: 205 (*Geranomyia*). Type-locality: Djerba Is (Tunisia).—Distr.: Europe: AL, GB, I; North Africa: Algeria, Tunisia, Libya; Canary Is.

fusconitens SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 77 (*Geranomyia*). Type-locality: Barranco de Quintero, La Palma (Canary Is).

rubida SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, **18**: 84 (*Geranomyia*). Type-locality: Dehesa de la Encarnación, La Palma (Canary Is).

bifurcula (ALEXANDER, 1933): Philipp. J. Sci., **50**: 141 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

bivittata BECKER, 1908: Mitt. zool. Mus. Berl., **4**: 187 (*Geranomyia*). Type-locality: north Madeira. —Distr.: Madeira.

- caloptera** MIK, 1867: Verh. zool.-bot. Ges. Wien, 17: 423 (*Geranomyia*, as new name for *Geranomyia maculipennis* MIK, 1864, a junior primary homonym of *Geranomyia maculipennis* CURTIS, 1835).—Distr.: Europe: A, BG, CH, D, F (incl. Corsica), I, YU.
- maculipennis* MIK, 1864: Verh. zool.-bot. Ges. Wien, 14: 791 (*Geranomyia*). Type-locality: Gorizia (Italy).
- canariensis** BERGROTH, 1889: Wien. ent. Ztg, 8: 118 (*Geranomyia*, as new name for *Aporosa maculipennis* MACQUART, 1839, a junior secondary homonym of *Geranomyia maculipennis* CURTIS, 1835).—Distr.: Madeira, Canary Is.
- maculipennis* (MACQUART in WEBB and BERTHELOT, 1839): Hist. nat. Iles Canaries: 2(2): 100 (*Aporosa*). Type-locality: not given (Canary Is).
- quadrimaculata* SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, 18: 76 (*Geranomyia*, as var. of *canariensis*). Type-localities: La Palma; Gome-
ra (Canary Is).
- terminalis* SANTOS ABREU, 1923: Mems R. Acad. Cienc. Artes Barcelona, 18: 77 (*Geranomyia*, as var. of *canariensis*). Type-locality: La Palma (Canary Is).
- palmensis* (SANTOS ABREU, 1923): Mems R. Acad. Cienc. Artes Barcelona, 18: 101 (*Parageranomyia*). Type-locality: Barranco del Río, La Palma (Canary Is).
- gifuensis** ALEXANDER, 1921: Ann. ent. Soc. Am., 14: 114 (*Geranomyia*). Type-locality: Gifu, Honshu (Japan).—Distr.: USSR: FE (Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku), North Korea.
- hakoneana** (ALEXANDER, 1955): Ann. ent. Soc. Am., 48: 371 (*Limonia*). Type-locality: Miyonoshita, Hakone, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- inornata** LACKSCHEWITZ, 1928: Annln naturh. Mus. Wien, 42: 197 (*Geranomyia*). Type-localities: Trieste (Italy); Durrës (Albania).—Distr.: Europe: AL, I, YU.
- multipuncta** ALEXANDER, 1922: Insecutor Inscit. menstr., 10: 177 (*Geranomyia*). Type-locality: Gifu, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).
- neavocetta** (ALEXANDER, 1938): Philipp. J. Sci., 67: 138 (*Limonia*). Type-locality: Ompo (North Korea).—Distr.: Asia: North Korea.
- obesistyla** (ALEXANDER, 1940): Philipp. J. Sci., 71: 181 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- obscura** STROBL, 1900: Wien. ent. Ztg, 19: 213 (*Geranomyia*, as var. of *caloptera* MIK). Type-locality: Algeciras (Spain).—Distr.: Europe: E; North Africa: Morocco, Algeria.
- radialis** (ALEXANDER, 1930): Philipp. J. Sci., 42: 62 (*Limonia*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu), ?China.
- suensoniana** (ALEXANDER, 1929): Philipp. J. Sci., 40: 330 (*Limonia*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang).

- tenuispinosa** (ALEXANDER, 1929): Philipp. J. Sci., **40**: 329 (*Limonia*). Type-locality: hills S of Ning-po, Zhejiang (China).—Distr.: Asia: China (Zhejiang); China (Guangdong).
- unicolor** HALIDAY, 1833: Ent. Mag., **1**: 155 (*Geranomyia*). Type-locality: near harbour of Donaghadee (Ireland).—Distr.: Europe: F, GB, IRE; Azores, Madeira, Canary Is.
- maculipennis* CURTIS, 1835: Brit. Ent., **12**: 573 (*Geranomyia*). Type-locality: Isle of Wight (Great Britain). [Synonymy not certain.]
- inmaculata* SANTOS ABREU, 1923: Mem. R. Acad. Cienc. Artes Barcelona, **18**: 95 (*Geranomyia*). Type-locality: Barranco del Río, La Palma (Canary Is).
- umbratica* SANTOS ABREU, 1923: Mem. R. Acad. Cienc. Artes Barcelona, **18**: 88 (*Geranomyia*). Type-locality: Barranco del Río, La Palma (Canary Is).

Libnotes WESTWOOD, 1876

WESTWOOD, 1876: Trans. R. ent. Soc. Lond., **1876**: 505.

Type-species: *Libnotes thwaitesiana* WESTWOOD, 1876: l.c.: 505 (mon.); not Palaearctic.

Laosa EDWARDS, 1926: see below as subgenus.

Afrolimonia ALEXANDER, 1965: see below as subgenus.

Subgenus AFROLIMONIA ALEXANDER, 1965

ALEXANDER, 1965: Trans. Am. ent. Soc., **91**: 48 (as subgenus of *Limonia* MEIGEN, 1803).

Type-species: *Limonia rhizosema* SPEISER, 1909: Wiss. Ergebn. schwed. zool. Exped. Kilimandjaro, Meru, **10** (Diptera): 48 (orig. des.); not Palaearctic.

ladogensis (LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1940): 16. Limoniidae, Fliegen pal. Reg., 3(5)2: 6 (*Limonia*). Type-locality: not given (Petrokrepost [= ?Mednaya], Leningrad obl., USSR, by holotype [= lectotype] des. of LACKSCHEWITZ, 1964; invalid lectotype des. by SAVCHENKO and KANDYBINA, 1987).—Distr.: Europe: CS, R, YU; USSR: NET (southwest), CET, SET (Carpathians), WS (Altai, Tuva), FE (Amur obl., Khabarovskiy kray, Primorskiy kray).

jugoslavica (NIELSEN, 1959): Glasn. prirod. Mus. Beograd (B), **12**: 211 (*Limonia*). Type-locality: Plitvice, Croatia (Yugoslavia).

plutonis (ALEXANDER, 1924): Philipp. J. Sci., **24**: 552 (*Limonia*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu).

Subgenus LAOSA EDWARDS, 1926

EDWARDS, 1926: *Encycl. ent. (B II) Dipt.*, 3: 48 (as genus).

Type-species: *Laosa gloriosa* EDWARDS, 1926: l.c.: 49 (orig. des.) [= *iris* (ALEXANDER, 1950)]; not Palaearctic.

charmosyne (ALEXANDER, 1958): *Trans. Shikoku ent. Soc.*, 6: 3 (*Limonia*). Type-locality: Mt. Ishizuchi, Iyo, Shikoku (Japan).—Distr.: Asia: Japan (Shikoku).

diphragma (ALEXANDER, 1934): *Philipp. J. Sci.*, 54: 317 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

kariyana (ALEXANDER, 1947): *Ann. ent. Soc. Am.*, 40: 351 (*Limonia*). Type-locality: Mt. Ontake, Hida, Japanese Alps, Honshu (Japan).—Distr.: USSR: FE (Amur obl., Primorskiy kray, Kuril Is); Asia: Japan (Honshu).

Subgenus LIBNOTES WESTWOOD, 1876

amatrix (ALEXANDER, 1922): *Insecutor Inscit. menstr.*, 10: 181 (*Limnobia*). Type-locality: Mt. Ibuki, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Honshu, Shikoku, Kyushu).

basisstrigata (ALEXANDER, 1934): *Philipp. J. Sci.*, 55: 40 (*Limonia*). Type-locality: Mt. Kongo, Diamond Mts (North Korea).—Distr.: Asia: North Korea; China (Fujian).

divaricata (ALEXANDER, 1924): *Ann. ent. Soc. Am.*, 17: 61 (*Limonia*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).

infumosa SAVCHENKO, 1983: *Limoniidae of south Primorye*: 112 (*Libnotes*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

longistigma ALEXANDER, 1921: *Insecutor Inscit. menstr.*, 9: 180 (*Libnotes*). Type-locality: Kotosho Is (Taiwan).—Distr.: USSR: FE (Khabarovskiy kray, Primorskiy kray, Kuril Is); Asia: Japan (Hokkaido); Taiwan (Kotosho Is).

nohirai ALEXANDER, 1918: *Ann. ent. Soc. Am.*, 11: 445 (*Libnotes*). Type-locality: Iwate, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu), North Korea.

ingentissima (ALEXANDER, 1947): *Ann. ent. Soc. Am.*, 40: 352 (*Limonia*). Type-locality: Kamikochi, Shinano, Honshu (Japan).

[poeciloptera OSTEN SACKEN, 1881: *Annali Mus. civ. Stor. nat. Genova*, 16: 403 (*Libnotes*). Type-localities: Mt. Singalang (Sumatra); Java (Indonesia).—Distr.: Asia: ?Japan; Indonesia (Sumatra, Java).]

puella ALEXANDER, 1925: *Ann. ent. Soc. Am.*, 17: 434 (*Libnotes*). Type-locality: Mt. Kirishima, on boundary between Osumi and Hiuga, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu); Japan (Ryukyu Is).

- recurvinervis** (ALEXANDER, 1930): Philipp. J. Sci., **42**: 61 (*Limonia*). Type-locality: Kwanhsien, Sichuan (China).—Distr.: Asia: China (Sichuan).
- regina** ALEXANDER, 1920: Trans. Am. ent. Soc., **46**: 6 (*Libnotes*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- undulata** MATSUMURA, 1916: Thousand Ins. Japan, Add. **2**: 467 (*Libnotes*). Type-locality: Kyoto, Honshu (Japan).—Distr.: USSR: FE (Amur obl., Khabarovskiy kray, Primorskiy kray); Asia: Japan (Honshu, Shikoku).

Limonia MEIGEN, 1803

MEIGEN, 1803: Mag. Insektenk., **2**: 262.

Type-species: *Tipula tripunctata* FABRICIUS, 1782: Species insect., **2**: 405 (des. WESTWOOD, 1840: Synopsis: 129) [= *phragmitidis* (SCHRANK, 1781)].

Amphinome MEIGEN, 1800: Nouve. class.: 15. Type-species: *Tipula tripunctata* FABRICIUS, 1782: Species insect., **2**: 405 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 505) [= *phragmitidis* (SCHRANK, 1781)]. [Suppressed by I.C.Z.N., Bull. zool. Nom., **20**: Opinion 678.]

Limnobia MEIGEN, 1818: Syst. Besch., **1**: 116 (as [unnecessary] new name for *Limonia* MEIGEN, 1803). Type-species: *Tipula tripunctata* FABRICIUS, 1782: Species insect., **2**: 405 (aut.) [= *phragmitidis* (SCHRANK, 1781)].

Unomyia MEIGEN, 1818: Syst. Besch., **1**: 135. Type-species: *Tipula tripunctata* FABRICIUS, 1782: Species insect., **2**: 405 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., **37**: 618) [= *phragmitidis* (SCHRANK, 1781)].

Limnomyza RONDANI, 1856: Dipt. Ital. Prodromus, **1**: 185. Type-species: *Tipula tripunctata* FABRICIUS, 1782: Species insect., **2**: 405 (orig. des.) [= *phragmitidis* (SCHRANK, 1781)].

albifrons (MEIGEN, 1818): Syst. Besch., **1**: 137 (*Limnobia*). Type-locality: Austria.—Distr.: Europe: A, CH, CS, D, DDR, F, H, I, PL, R, YU; USSR: CET (Li), SET (west).

alpicola (LACKSCHEWITZ, 1928): Annln naturh. Mus. Wien, **42**: 231 (*Limnobia*). Type-locality: Watzmann, Berchtesgadener Alps [D].—Distr.: Europe: A, CH, CS, D, F, R; USSR: SET (Carpathians), ?SMA (?Tj).

amabilis ALEXANDER, 1924: Philipp. J. Sci., **24**: 557 (*Limonia*). Type-locality: Kamiotoineppu, Hokkaido (Japan).—Distr.: USSR: ?FE (?Kuril Is); Asia: Japan (Hokkaido, Honshu).

amabilis antistes ALEXANDER, 1938: Philipp. J. Sci., **66**: 467 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

annulata LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1940: 16. Limoniidae, Fliegen pal. Reg., **3**(5)2: 6 (*Limonia*). Type-locality: not given (LACKSCHEWITZ, 1964: Kadilniy, west Baikal, USSR; invalid lectotype

- des. by SAVCHENKO and KANDYBINA, 1987).—Distr.: USSR: southern Siberia from Altai in the west to Amur obl. in the east; Asia: Mongolia.
- anthracina** (ALEXANDER, 1922): *Insecutor* Inscit. menstr., **10**: 180 (*Limnobia*). Type-locality: Mt. Minomo, Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku, Kyushu).
- aquilina** STARYĚ, 1984: *Acta ent. bohemoslov.*, **81**: 236 (*Limonia*). Type-locality: Hrubá Voda near Olomouc, Moravia (Czechoslovakia).—Distr.: Europe: CS.
- atrisoma** ALEXANDER, 1940: *Notes Ent. chin.*, **8**: 17 (*Limonia*). Type-locality: Mt. Tien-mu, Zhejiang (China).—Distr.: Asia: China (Zhejiang).
- bidens** SAVCHENKO, 1979: *Ent. Obozr.*, **58**: 153 (*Limonia*). Type-locality: Shirokiy, Selendzhinskiy district, Amur obl. (USSR).—Distr.: USSR: WS (Yamal), ES (Buryat ASSR), FE (Amur obl.).
- caucasica** LACKSCHEWITZ in LACKSCHEWITZ and PAGAST, 1940: 16. *Limoniidae*, *Fliegen pal. Reg.*, **3(5)2**: 13 (*Limonia*). Type-localities: Murov-Dagh, Caucasus (USSR); Iran.—Distr.: USSR: SET (Dagestan), TC (Ge, Arm, Az), SMA (Tu); Asia: Iran.
- dilutior** (EDWARDS, 1921): *Trans. R. ent. Soc. Lond.*, **1921**: 203 (*Limnobia*). Type-localities: Sandy; Woodborough; Victoria Park; Aberlady (Great Britain).—Distr.: Europe: A, D, DDR, DK, F, GB, NL, R, YU.
- dilutissima** ALEXANDER, 1933: *Philipp. J. Sci.*, **51**: 532 (*Limonia*). Type-locality: Yin-Kuan-Tsai (China).—Distr.: Asia: China (Sichuan-Tibet border).
- edura** ALEXANDER, 1935: *Philipp. J. Sci.*, **58**: 242 (*Limonia*). Type-locality: Yumoto, Shimotsuke, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- eos** STARYĚ et SAVCHENKO, 1976: *Acta ent. bohemoslov.*, **73**: 183 (*Limonia*). Type-locality: Kacha river, near Shelkovichnoye, Bakhchisaray district, Crimea (USSR).—Distr.: USSR: SET (Crimea, southeast), TC (Ge, Arm).
- episema** ALEXANDER, 1924: *Philipp. J. Sci.*, **24**: 551 (*Limonia*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (from Kamchatka to Primorskiy kray, Sakhalin and Kuril Is); Asia: Japan (Hokkaido, Honshu).
- esakii** (ALEXANDER, 1922): *Insecutor* Inscit. menstr., **10**: 78 (*Limnobia*). Type-locality: Tattaka (Taiwan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Honshu, Shikoku); Taiwan.
- flavipes** (FABRICIUS, 1787): *Mantissa insect.*, **2**: 323 (*Tipula*). Type-locality: Kiel [D].—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, I (incl. Sicily), IRE, L, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC; North Africa: Morocco, ?Algeria.
- nebulosa** (ZETTERSTEDT, [1838]): *Insecta Lapp.*: 836 (*Limnobia*). Type-locality: Bjoerkvik (Norway).
- vaillanti** THOMAS, 1968: *Ann. Limnol.*, **4**: 226 (*Limonia*). Type-locality: Lastie river, Pyrenees (France).

- fusciceps** ALEXANDER, 1924: Insecutor Inscit. menstr., **12**: 155 (*Limonia*). Type-locality: Shimokebo, Hitaka-no-kuni, Hokkaido (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu).
- fusciceps nigricusps** ALEXANDER, 1938: Philipp. J. Sci., **66**: 112 (*Limonia*). Type-locality: Matsuo, Iwate pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- gissarica** SAVCHENKO, 1979: Ent. Obozr., **58**: 155 (*Limonia*). Type-locality: bank of Lajrun river, Gissar Mts (USSR: Tj).—Distr.: USSR: SMA (Tj).
- hercegovinae** (STROBL, 1898): Glasn. zemalj. Mus. Bosni Herceg., **10**: 610 (*Limnobia*). Type-locality: Jablanica (Yugoslavia).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, E, F, GR, H, I, ?IS, NL, R, YU; USSR: SET (Carpathians, southeast), TC; Asia: Iran.
- hostilis** ALEXANDER, 1933: Philipp. J. Sci., **51**: 533 (*Limonia*). Type-locality: near Yien-Long-Shien, Tibet border (China).—Distr.: Asia: China (Tibet border, Sichuan); Pakistan, India, Burma.
- interjecta** STARÝ, 1974: Annotnes zool.-bot. Bratisl., **99**: 1 (*Limonia*). Type-locality: Malá Studená valley, High Tatra (Czechoslovakia).—Distr.: Europe: A, CH, CS, N, PL.
- japonica** (ALEXANDER, 1913): Can. Ent., **45**: 200 (*Dicranomyia*). Type-locality: Tokyo, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- juvenca** ALEXANDER, 1935: Philipp. J. Sci., **58**: 243 (*Limonia*). Type-locality: Yumoto, Shimotsuke, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu).
- karafutonis** ALEXANDER, 1924: Philipp. J. Sci., **24**: 550 (*Limonia*). Type-locality: Toyohara [= Yuzhno-Sakhalinsk], Sakhalin (USSR).—Distr.: USSR: FE (Kamchatka, Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Honshu), North Korea.
- kashmirica** (EDWARDS, 1927): Ann. Mag. nat. Hist., (9) **20**: 226 (*Limnobia*). Type-locality: Kashmir (India).—Distr.: Asia: China (Tibet); India.
- lackschewitziana** ALEXANDER, 1933: Philipp. J. Sci., **50**: 134 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Tibet border, Sichuan).
- lindbergi** NIELSEN, 1962: Vidensk. Meddr dansk naturh. Foren., **124**: 166 (*Limonia*). Type-locality: Tchehel Sotoun, 50 km W Kabul (Afghanistan).—Distr.: Asia: Afghanistan.
- macrostigma** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 108 (*Limnobia*). Type-locality: near Wrocław (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC, KZ, SMA, WS (Altai), FE (Primorskiy kray); Asia: Mongolia, ?North Korea; Pakistan.
- venerabilis** ALEXANDER, 1938: Philipp. J. Sci., **67**: 134 (*Limonia*). Type-locality: Ompo (North Korea). [Synonymy not certain.]

- maculicosta** (COQUILLET, 1905): Jl N.Y. ent. Soc., **13**: 57 (*Limnobia*). Type-locality: Mt. Kokanee, British Columbia (Canada).—Distr.: Europe: ?B, S, SF; USSR: FE (Kamchatka); Asia: Japan (Honshu); Nearctic Region.
- maculipennis** (MEIGEN, 1818): Syst. Besch., **1**: 136 (*Limnobia*). Type-locality: Portugal.—Distr.: Europe: B, D, E, F, GB, ?I, P.
- analis** (MEIGEN, 1818): Syst. Besch., **1**: 141 (*Limnobia*). Type-locality: near Aachen [D].
- nitida** (VERRALL, 1886): Entomologist's mon. Mag., **23**: 124 (*Limnobia*). Type-localities: Plumstead Marshes; Exning near Newmarket (Great Britain).
- laufferi** (STROBL, 1906): Mems R. Soc. esp. Hist. nat., **3**: 410 (*Limnobia*, as var. of "nigra Verr." [= *nitida* VERRALL]). Type-locality: prov. Madrid (Spain).
- proxima** (KUNTZE, 1920): Zool. Jb. Syst., **43**: 416 (*Limnobia*). Type-locality: Digne (France).
- masoni** (EDWARDS, 1921): Trans. R. ent. Soc. Lond., **1921**: 204. (*Limnobia*). Type-locality: King's Lynn (Great Britain).—Distr.: Europe: GB, YU.
- messaura** MENDL, 1971: Ent. scand., **2**: 267 (*Limonia*). Type-locality: Messaure, Lapland (Sweden).—Distr.: Europe: S.
- messaura boreoorientalis** SAVCHENKO, 1987: Vestn. zool., **1987**(6): 78 (*Limonia*). Type-locality: Icha river, Kamchatka (USSR).—Distr.: USSR: FE (Kamchatka).
- nemoralis** SAVCHENKO, 1983: Limoniidae of south Primorye: 146 (*Limonia*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- neindigena** ALEXANDER, 1924: Philipp. J. Sci., **24**: 549 (*Limonia*). Type-locality: Panketo, Hokkaido (Japan).—Distr.: USSR: FE (Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu).
- nigrella** ALEXANDER, 1929: Philipp. J. Sci., **40**: 246 (*Limonia*, as new name for *Limonia nigronitida* ALEXANDER, 1923, at time of replacement a junior secondary homonym of *Geranomyia nigronitida* ALEXANDER, 1921).—Distr.: Asia: Japan (Hokkaido).
- nigronitida** ALEXANDER, 1923: Ann. ent. Soc. Am., **16**: 60 (*Limonia*). Type-locality: Teshio, Hokkaido (Japan).
- nigropunctata** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 112 (*Limnobia*). Type-localities: near Wrocław; near Lissa [= W of Wrocław] (Poland).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F, GB, H, I, NL, PL, R, S, YU; USSR: NET (southwest), CET (west), SET (Uk).
- sexpunctata** (FABRICIUS, 1782): Species insect., **2**: 405 (*Tipula*). Type-locality: Italy. [A questionable senior synonym.]
- nigrescens** (LACKSCHEWITZ, 1928): Annln naturh. Mus. Wien, **42**: 238 (*Limnobia*, as var. of *nigropunctata*). Type-localities: several localities in Austria, Yugoslavia and north Italy.

- nigropunctata intermixta** SAVCHENKO *in* SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 154 (*Limonia*). Type-locality: Sernovodsk, Kunashir, Kuril Is (USSR).—Distr.: USSR: FE (Kuril Is).
- nominata** ALEXANDER, 1936: Philipp. J. Sci., **59**: 233 (*Limonia*). Type-locality: Wen Chuan, Sichuan (China).—Distr.: Asia: China (Sichuan).
- nubeculosa** MEIGEN, 1804: Klass. Beschr., **1**: 60 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E, F (incl. Corsica), GB, GR (incl. Kerkira, Crete, Rodhos), H, I (incl. Sicily), IRE, N, NL, PL, R, S, SF, YU; USSR: CET (Li), SET, TC, WS (Altai), FE (Kamchatka, Sakhalin, Kuril Is); Asia: Turkey, North Korea, Japan (Hokkaido, Honshu, Shikoku); North Africa: Morocco, Algeria; Canary Is; Nearctic Region.
- [*sciophila* (OSTEN SACKEN, 1877): Bull. U.S. geol. geogr. Survey Terr., **3**: 197 (*Limnobia*). Type-locality: Several localities in Marin and Sonoma counties, California (USA).]
- subnubeculosa* (ALEXANDER, 1920): Trans. Am. ent. Soc., **46**: 5 (*Limnobia*). Type-locality: Saitama pref., Honshu (Japan).
- omniflava** ALEXANDER, 1936: Philipp. J. Sci., **60**: 336 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pabulina** (MEIGEN, 1818): Syst. Beschr., **1**: 140 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: ?D, R, YU.
- pallidipleura** ALEXANDER, 1924: Insecutor Inscit. menstr., **12**: 150 (*Limonia*). Type-locality: Hinoemata, Iwashiro-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- pannonica** (KOWARZ, 1868): Verh. zool.-bot. Ges. Wien, **18**: 213 (*Limnobia*). Type-locality: "Losonc" [= Lucenec] (Czechoslovakia).—Distr.: Europe: A, AL, BG, CS, GR (incl. Rodhos), H, I, R; USSR: SET (Uk, Mo).
- parvipennis** ALEXANDER, 1940: Philipp. J. Sci., **71**: 39 (*Limonia*). Type-locality: Seren Mts (North Korea).—Distr.: USSR: FE (Primorskiy kray); Asia: North Korea, Japan (Honshu).
- perbeata** ALEXANDER, 1938: Philipp. J. Sci., **66**: 314 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pernigrina** ALEXANDER, 1938: Philipp. J. Sci., **66**: 466 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- phragmitidis** (SCHRANK, 1781): Enum. ins. austr. indig.: 426 (*Tipula*). Type-locality: not given (?Austria).—Distr.: Europe: A, AL, B, BG, CH, CS, D, DDR, DK, F (incl. Corsica), GB, H, I (incl. Sicily), IRE, L, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC, KZ (Zailiyskiy Alatau), SMA (Ki), WS (Altai); Asia: Turkey, Israel.
- tripunctata* (FABRICIUS, 1782): Species insect., **2**: 405 (*Tipula*). Type-locality: Italy. [A junior primary homonym of *Tipula tripunctata* MÜLLER, 1764.]

- propior** ALEXANDER, 1963: Bull. Br. Mus. nat. Hist. (B), **14**: 333 (*Limonia*). Type-locality: Zayul, Di Chu valley, SE Tibet (China).—Distr.: Asia: China (Tibet); Burma.
- prudentia** ALEXANDER, 1935: Philipp. J. Sci., **57**: 207 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- pullata** ALEXANDER, 1924: Insecutor Inscit. menstr., **12**: 151 (*Limonia*). Type-locality: Hinoemata, Iwashiro-no-kuni, Honshu (Japan).—Distr.: Asia: Japan (Honshu).
- pullata aquila** SAVCHENKO, 1983: Limoniidae of south Primorye: 145 (*Limonia*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- splendens** (KUNTZE, 1920): Zool. Jb. Syst., **43**: 408 (*Limnobia*). Type-localities: Mostar (Yugoslavia); Millstatt (Austria).—Distr.: Europe: A, BG, CS, GR, H, YU.
- stigma** (MEIGEN, 1818): Syst. Besch., **1**: 138 (*Limnobia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, I, NL, PL, R, S, SF, YU; USSR: NET (west), CET (northwest), SET (Uk).
- terrestris* (LINNAEUS, 1758): Syst. Nat., Ed. 10, **1**: 586 (*Tipula*). Type-locality: Europe. [A questionable senior synonym.]
- sexnotata* (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 111 (*Limnobia*). Type-locality: near Wrocław (Poland).
- punctigera* (WALKER, 1856): Ins. Brit., Dipt., **3**: 298 (*Limnobia*). Type-locality: not given (Great Britain).
- subaequalis** SAVCHENKO, 1979: Ent. Obozr., **58**: 158 (*Limonia*). Type-locality: near Bakhmaro, Adzharo-Imeretin Mts (USSR: Ge).—Distr.: USSR: SET (Crimea, southeast), TC.
- sylvicola** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 116 (*Limnobia*). Type-locality: near Charlottenbrunn [= Jedlina Zdrój, S of Walbrzych] (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DK, F, H, I, N, NL, PL, R, S, SF, YU; USSR: NET (west), CET (northwest), SET (Carpathians), WS (Altai, Tuva), ?ES (?Irkutsk obl.).
- affinis* (ZETTERSTEDT, [1838]): Insecta Lapp.: 836 (*Limnobia*). Type-locality: Kengis (Sweden).
- tripunctata* (ZETTERSTEDT, [1838]): Insecta Lapp.: 837 (*Limnobia*). Type-locality: Härnösand (Sweden).
- synempora** ALEXANDER, 1933: Philipp. J. Sci., **51**: 534 (*Limonia*). Type-locality: Yu-Long-Si (China).—Distr.: Asia: China (Tibet border).
- tanakai** (ALEXANDER, 1921): Ann. ent. Soc. Am., **14**: 111 (*Limnobia*). Type-locality: Ikaho, Gumma pref., Honshu (Japan).—Distr.: Asia: Japan (Honshu, Shikoku).

- taurica** (STROBL, 1895): Mitt. naturw. Ver. Steierm., **31**: 223 (*Limnobia*). Type-locality: Scheiplsee, Bösenstein (Austria).—Distr.: Europe: A, AL, B, BG, CH, CS, D, E, F, I (incl. Sicily), PL, R, YU; USSR: SET (Carpathians); Asia: Turkey.
- sudetica** CZIŽEK, 1931: Z. mähr. Landesmus., **28**: 48 (*Limonia*, as var. of *taurica*). Type-locality: Altvater [= Praded], Moravia (Czechoslovakia).
- tessellatipennis** ALEXANDER, 1936: Philipp. J. Sci., **60**: 337 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).
- trivittata** (SCHUMMEL, 1829): Beitr. Ent., Breslau, **1**: 114 (*Limnobia*). Type-localities: near Wrocław at Pöpelwitz; Grüneiche (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, I, IRE, IS, L, N, NL, PL, R, S, SF, YU; USSR: NET (as far north as Ust-Tsylma on Petchora river), CET, SET, TC (Ge), SMA (Ki, Uz), KZ (southeast), WS (Altai, Tuva), ?FE (?Kamchatka).
- nigrirostris** (GIMMERTHAL, 1847): Bull. Soc. nat. Moscou, **20**(2): 145 (*Limnobia*). Type-locality: Curland (USSR). [Synonymy not certain.]
- yakushimensis** ALEXANDER, 1930: Philipp. J. Sci., **42**: 511 (*Limonia*). Type-locality: Kosugidani, Yakushima, Kyushu (Japan).—Distr.: Asia: Japan (Kyushu).
- zebrina** SAVCHENKO, 1979: Ent. Obozr., **58**: 156 (*Limonia*). Type-locality: east of Goderdzi pass, Arsian Mts, Adzhar ASSR (USSR: Ge).—Distr.: USSR: TC (southwest).

Doubtful species of *Limonia*

- bibula** (WIEDEMANN, 1828): Aussereurop. zweifl. Insekt., **1**: 552 (*Limnobia*). Type-locality: China.
- flavescens** (MACQUART, 1834): Hist. nat. Ins., Dipt., **1**: 103 (*Limnobia*). Type-locality: Paris (France).
- marginata** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 151 (*Limnobia*). Type-locality: not given (northern France).
- sachalinensis** (MATSUMURA, 1911): J. Coll. Agric. Tohoku Imp. Univ., **4**: 63 (*Limnobia*). Type-locality: Tonnaitcha, Sakhalin (USSR).
- unimaculata** (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, **1823-1824**: 157 (*Limnobia*). Type-locality: not given (northern France).
- vormanni** (WESTHOFF, 1882): Bau Hypopygiums Tipula: 56 (*Limnobia*). Type-localities: Münster; Oeding [D].

Metalimnobia MATSUMURA, 1911

MATSUMURA, 1911: J. Coll. Agric. Tohoku imp. Univ., **4**: 63.

Type-species: *Metalimnobia vittata* MATSUMURA, 1911: l.c.: 63 (orig. des.) [= ?*bifasciata* (SCHRANK, 1781)].

bifasciata (SCHRANK, 1781): Enum. ins. austr. indig.: 429 (*Tipula*). Type-locality: Linz (Austria).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, I, IRE, N, NL, PL, R, S, SF; USSR: NET, CET, SET, TC (Ge), SMA (Tj), Siberia (north and eastward to Yakutsk ASSR), FE (Kamchatka, Amur obl., Primorskiy kray, Sakhalin, Kuril Is); Asia: Mongolia.

xanthoptera (MEIGEN, 1804): Klass. Beschr., **1**: 56 (*Limonia*). Type-locality: not given.

vittata MATSUMURA, 1911: J. Coll. Agric. Tohoku imp. Univ., **4**: 63 (*Metalimnobia*). Type-locality: Naipchi, Sakhalin (USSR). [Synonymy not certain.]

bifasciata avis (ALEXANDER, 1918): Ann. ent. Soc. Am., **11**: 444 (*Limnobia*, as species). Type-locality: Takuhara, Shinano, Honshu (Japan).—Distr.: USSR: FE (Kuril Is); Asia: Japan (Hokkaido, Honshu).

bifasciata flavoabdominalis (ALEXANDER, 1918): Ann. ent. Soc. Am., **11**: 445 (*Limnobia*, as subsp. of *avis*). Type-locality: not given (Honshu, Japan).—Distr.: Asia: Japan (Honshu, Shikoku).

cinctipes (SAY, 1823): J. Acad. nat. Sci. Philad., **3**: 21 (*Limnobia*). Type-locality: Missouri (USA).—Distr.: USSR: FE (Primorskiy kray, ?Amur obl.); Nearctic Region.

dualis SAVCHENKO, 1986: Vestn. zool., **1986**(1): 322 (*Metalimnobia*). Type-locality: Artybash, Gorno-Altai AO (USSR).—Distr.: USSR: WS (Altai), ?FE (?Primorskiy kray). [?Conspecific with *mendax* ALEXANDER, 1924.]

improvisa (ALEXANDER, 1933): Philipp. J. Sci., **51**: 535 (*Limonia*). Type-locality: near Tong-Gu, Tibet border (China).—Distr.: Asia: China (Tibet border, Sichuan).

lanceolata SAVCHENKO, 1983: Limoniidae of south Primorye: 142 (*Metalimnobia*). Type-locality: near Sokolchi, Lozovskiy district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

mendax (ALEXANDER, 1924): Insecutor Inscit. menstr., **12**: 152 (*Limonia*). Type-locality: Jozankei, Ishikari-no-kuni, Hokkaido (Japan).—Distr.: Asia: Japan (Hokkaido). [See *dualis*.]

quadrimaculata (LINNAEUS, 1761): Fauna Sveciae, Ed. 2: 430 (*Tipula*). Type-locality: not given (?Sweden).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, F, GB, H, I, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, TC, WS (south), ES (south), FE (Kamchatka, Amur obl., Primorskiy kray, Sakhalin, Kuril Is); Asia: Mongolia, Japan (Hokkaido, Honshu); Nearctic Region.

- calmariensis* (LINNAEUS, 1761): Fauna Sveciae, Ed. 2: 430 (*Tipula*). Type-locality: "Calmariae" (Sweden).
- quatuormaculata* (MEIGEN, 1804): Klass. Beschr., 1: 62 (*Limonia*). Type-locality: not given (?near Stolberg [DJ]).
- annulus* (MEIGEN, 1818): Syst. Beschr., 1: 145 (*Limnobia*). Type-locality: not given (?near Stolberg [DJ]).
- truncata* (ALEXANDER, 1924): Philipp. J. Sci., 24: 548 (*Limonia*, as subsp. of *annulus*). Type-locality: Shikotsu, Hokkaido (Japan). [Synonymy not certain.]
- quadrinotata** (MEIGEN, 1818): Syst. Beschr., 1: 144 (*Limnobia*). Type-locality: not given (?near Stolberg [DJ]).—Distr.: Europe: A, B, CH, CS, D, DDR, DK, E, F, GB, H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET, CET, SET, SMA (Ki), WS, ES (east to Yakutsk ASSR), FE (Magadan obl., Amur obl.); Asia: China (Gansu), Mongolia.
- variegata* (MACQUART, 1826): Mém. Soc. Sci. Agric. Lille, 1823-1824: 153 (*Limnobia*). Type-locality: not given (northern France).
- quadrinotata tenua** SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 151 (*Metallimnobia*). Type-localities: several localities in ES and FE (USSR).—Distr.: USSR: ES (Buryat ASSR), FE (Kamchatka, Primorskiy kray, Sakhalin, Kuril Is); Asia: ?Japan (?Hokkaido).
- xanthopteroides** (RIEDEL, 1917): Arch. Naturgesch., 82(A)(5): 110 (*Limnobia*). Type-locality: Toa Tsui Kutsu (Taiwan).—Distr.: Asia: China (Sichuan, Zhejiang); Taiwan.
- zetterstedti** (TJEDER, 1968): Opusc. ent., 33: 280 (*Limonia*, as new name for *Limnobia elegans* ZETTERSTEDT, 1838, a junior primary homonym of *Limnobia elegans* WIEDEMANN, 1830).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, I, N, PL, S, SF; USSR: CET (Li), NET (west), SET (Carpathians), WS (Tuva), ES (Yakutsk ASSR), FE (Amur obl., Primorskiy kray, Sakhalin); Asia: Mongolia.
- elegans* (ZETTERSTEDT, [1838]): Insecta Lapp.: 837 (*Limnobia*). Type-localities: several localities in Swedish Lapland.

Microllimonia SAVCHENKO, 1976

SAVCHENKO in SAVCHENKO and KRIVOLUTSKAYA, 1976: Limoniidae of the south Kuril Islands and south Sakhalin: 147 (as subgenus of *Dicranomyia* STEPHENS, 1829).

Type-species: *Limonia inelegans* ALEXANDER, 1924: Insecutor Inscit. menstr., 12: 156 (orig. des.).

bicornigera (ALEXANDER, 1932): Philipp. J. Sci., 49: 382 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

egressa (ALEXANDER, 1938): Philipp. J. Sci., **66**: 468 (*Limonia*). Type-locality: Pehlütting (Beh-Luh-Din), 30 mi N Chengdu, Sichuan (China).—Distr.: Asia: China (Sichuan).

inelegans (ALEXANDER, 1924): Insecutor Inscit. menstr., **12**: 156 (*Limonia*). Type-locality: Chuzenji, Shimotsuke-no-kuni, Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku), China (as far west as Sichuan); Taiwan.

machidai (ALEXANDER, 1921): Ann. ent. Soc. Am., **14**: 113 (*Dicranomyia*). Type-locality: Nakano, Honshu (Japan).—Distr.: Europe: A, CH, CS, D, H, PL, R; USSR: SET (Carpathians), TC (Az), WS (Altai), FE (Khabarovskiy kray, Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Kyushu, Shikoku); China (Jiangxi).

pusilla (LACKSCHEWITZ, 1928): Annln naturh. Mus. Wien, **42**: 232 (*Limnobia*). Type-locality: Dornbach near Vienna (Austria).

omogoensis (ALEXANDER, 1954): Philipp. J. Sci., **82**: 283 (*Limonia*). Type-locality: Omogokei, Shikoku (Japan).—Distr.: USSR: FE (Khabarovskiy kray, Primorskiy kray); Asia: Japan (Shikoku).

Neollimonia ALEXANDER, 1964

ALEXANDER, 1964: Bull. Inst. Jamaica, Sci. Ser., **14**: 28. (as subgenus of *Limonia* MEIGEN, 1803).

Type-species: *Furcomyia eiseni* ALEXANDER, 1912: Can. Ent., **44**: 338 (orig. des.); not Palaearctic.

dumetorum (MEIGEN, 1804): Klass. Beschr., **1**: 54 (*Limonia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, E, F (incl. Corsica), GB, H, I, IRE, L, N, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET, SET, TC.

transversalis (WALKER, 1856): Ins. Brit., Dipt., **3**: 294 (*Limnobia*). Type-locality: not given (Great Britain).

Rhipidia MEIGEN, 1818

MEIGEN, 1818: Syst. Beschr., **1**: 153.

Type-species: *Rhipidia maculata* MEIGEN, 1818: l.c.: 153 (mon.).

Eurhipidia ALEXANDER, 1965: see below as subgenus.

Subgenus EURHIPIDIA ALEXANDER, 1965

ALEXANDER, 1965: Trans. Am. ent. Soc., **91**: 53 (as subgenus of *Limonia* MEIGEN, 1803).

Type-species: *Rhipidia rostrifera* EDWARDS, 1916: Ann. Mag. nat. Hist., (8) **17**: 352 (orig. des.) [= *productiva* (ALEXANDER, 1942)]; not Palearctic.

expansimacula (ALEXANDER, 1934): Philipp. J. Sci., **54**: 324 (*Limonia*, as subsp. of *formosana* ALEXANDER). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

garrula (ALEXANDER, 1933): Philipp. J. Sci., **50**: 140 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

garruloides (ALEXANDER, 1933): Philipp. J. Sci., **51**: 395 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

Subgenus RHIPIDIA MEIGEN, 1818

ctenophora LOEW, 1871: Besch. europ. Dipt., **2**: 4 (*Rhipidia*). Type-locality: Frankfurt am Main [D].—Distr.: Europe: A, BG, CH, D, F, GB, NL, R.

degradans SAVCHENKO, 1983: Limoniidae of south Primorye: 118 (*Rhipidia*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).

hypomelania (ALEXANDER, 1936): Philipp. J. Sci., **59**: 236 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

isospilota (ALEXANDER, 1936): Philipp. J. Sci., **59**: 235 (*Limonia*). Type-locality: Kibune, Kyoto pref., Honshu (Japan).—Distr.: USSR: FE (Primorskiy kray); Asia: Japan (Honshu).

lucea SAVCHENKO, 1974: Vestn. zool., **1974**(4): 70 (*Rhipidia*). Type-locality: near Lerik, Talysh (USSR: Az).—Distr.: USSR: TC (Az).

maculata MEIGEN, 1818: Syst. Besch., **1**: 153 (*Rhipidia*). Type-locality: not given (?near Stolberg [D]).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, ?E, F (?incl. Corsica), GB, H, I, IRE, N, NL, PL, R, S, SF, YU; USSR: NET (incl. Kola peninsula), CET, SET, TC, WS, ES, FE (from Magadan obl. and Kamchatka to Primorskiy kray, Sakhalin and Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku), China (northeast); Nearctic Region. [Not considered a junior secondary homonym of *Limonia maculata* MEIGEN, 1804, now in *Eloeophila*, and not replaced prior to 1961.]

[*lecontei* (ALEXANDER, 1940): Am. Midl. Nat., **24**: 624 (*Limonia*, as subsp. of *maculata*). Type-locality: Mt. Leconte, Huffs Lodge, Tennessee (USA).]

duplicata: European authors, not DOANE, 1900, misinterpretation.

monoctenia (ALEXANDER, 1935): Philipp. J. Sci., **57**: 210 (*Limonia*). Type-locality: Mt. Omei, Sichuan (China).—Distr.: Asia: China (Sichuan).

- pauperior** KUNTZE, 1920: Zool. Jb. Syst., **43**: 421 (*Rhipidia*). Type-localities: Zlatoust (USSR); Chamonix (France).—Distr.: Europe: F; USSR: CET (east).
- punctiplena** MIK, 1887: Verh. zool.-bot. Ges. Wien, **37**: 173 (*Rhipidia*). Type-locality: Aigen near Salzburg (Austria).—Distr.: Europe: A, CH, CS, R; USSR: SET (Carpathians, southeast), ES (Irkutsk obl.), FE (Primorskiy kray).
- reductispina** SAVCHENKO, 1983: Limoniidae of south Primorye: 117 (*Rhipidia*). Type-locality: Kedrovaya Pad, Khasan district, Primorskiy kray (USSR).—Distr.: USSR: FE (Primorskiy kray).
- septentrionis** ALEXANDER, 1913: Can. Ent., **45**: 206 (*Rhipidia*, as subsp. of *pulchra* DE MEIJERE). Type-locality: Tokyo, Honshu (Japan).—Distr.: USSR: FE (Amur obl., Primorskiy kray, Sakhalin, Kuril Is); Asia: Japan (Hokkaido, Honshu, Shikoku, Kyushu), China (northeast).
- synspilota** (ALEXANDER, 1935): Philipp. J. Sci., **56**: 548 (*Limonia*). Type-locality: Kaj-Nag range, Kashmir (India).—Distr.: Asia: China (Tibet); India.
- triarmata** (ALEXANDER, 1930): Philipp. J. Sci., **43**: 514 (*Limonia*). Type-locality: Hassensan (Taiwan).—Distr.: USSR: ES (basin of Indigirka river), FE (Primorskiy kray, Kuril Is); Asia: ?Japan (?Honshu), China (Sichuan); China (Jiangxi), Taiwan.
- uniseriata** SCHINER, 1864: Fauna Austr. Dipt., **2**: 564 (*Rhipidia*). Type-locality: Silesia (Poland).—Distr.: Europe: A, B, BG, CH, CS, D, DDR, DK, F, GB, H, I, NL, PL, R, S, SF, YU; USSR: NET (southwest), CET (northwest), SET, TC (Ge), WS (Tuva, Novosibirsk obl.), FE (Khabarovskiy kray, Primorskiy kray, Kuril Is).
- sibirica* ALEXANDER, 1925: Proc. U.S. natn. Mus., **68**(4): 6 (*Rhipidia*). Type-locality: Okeanskaya, near Vladivostok, Primorskiy kray (USSR).
- uniseriata lutea** SAVCHENKO, 1974: Vestn. zool., **1974**(4): 72 (*Rhipidia*). Type-locality: Sary-Chelek nature reserve, Dzhahalal-Abad obl. (USSR: Ki).—Distr.: USSR: SMA (Ki, Tj).

Thrypticomyla SKUSE, 1890

SKUSE, 1890: Proc. Linn. Soc. N.S.W., (2) **4**: 774.

Type-species: *Thrypticomyla aureipennis* SKUSE, 1890: l.c.: 775 (mon.); not Palaearctic.

- unisetosa** (ALEXANDER, 1929): Philipp. J. Sci., **40**: 248 (*Limonia*, as new name for *Thrypticomyla arcuata* ALEXANDER, 1920, at time of replacement a junior secondary homonym of *Peripheroptera arcuata* ALEXANDER, 1913).—Distr.: USSR: FE (Primorskiy kray, Kuril Is); Asia: Japan (Honshu, Shikoku); China (southeast), Taiwan.
- arcuata* ALEXANDER, 1920: Trans. Am. ent. Soc., **46**: 4 (*Thrypticomyla*). Type-locality: Tokyo, Honshu (Japan).

Doubtful genera and species of Limoniidae

- Alfredia* BEZZI, 1918: Atti Soc. ital. Sci. nat., **57**: 20. Type-species: *Alfredia acrobata* BEZZI, 1918: l.c.: 22 (orig. des.). [?Limnophilini.]
- Dohrnia* BIGOT, 1854: Annls Soc. ent. Fr., (3) **2**: 457 and 470; without included species. [?Limoniini.]
- Orosmya* RONDANI, 1856: Dipt. Ital. Prodromus, **1**: 182. Type-species: *Orosmya appennina* RONDANI, 1856: l.c.: 182 (orig. des.).
- Pelosia* RONDANI, 1856: Dipt. Ital. Prodromus, **1**: 185. Type-species: *Pelosia albifrons* RONDANI, 1856: l.c.: 185 (orig. des.).
- Rondania* BIGOT, 1854: Annls Soc. ent. Fr., (3) **2**: 457 and 470 ("Pars gen. *Limnobia* Macq."); without included species. [?Ulini.]
- Spyloptera* RONDANI, 1856: Dipt. Ital. Prodromus, **1**: 181. Type-species: *Spyloptera meridionalis* RONDANI, 1856: l.c.: 181 (orig. des.). [?Antochini.]
- acrobata* BEZZI, 1918: Atti Soc. ital. Sci. nat., **57**: 22 (*Alfredia*). Type-locality: Piz Ventina (Italy). [?Limnophilini.]
- albifrons* RONDANI, 1856: Dipt. Ital. Prodromus, **1**: 185 (*Pelosia*). Type-locality: not given (Italy).
- appennina* RONDANI, 1856: Dipt. Ital. Prodromus, **1**: 182 (*Orosmya*). Type-locality: not given (Italy).
- breviceps* MOTSCHULSKY, 1859: Bull. Soc. nat. Moscou, **32**(3): 503 (*Tipulina*). Type-locality: Nikolayevsk-na-Amure (USSR).
- fuscifemorata* VON ROSER, 1840: CorrespBl. Württ. landw. Ver., Stuttg. (N.S.), **17**(1): 51 (*Limnobia*). Type-locality: not given (Württemberg [D]). [?Limoniini.]
- latipennis* MACQUART, 1834: Hist. nat. Ins., Dipt., **1**: 107 (*Limnobia*). Type-locality: not given ("Du cabinet de M. Percheron"). [Limoniinae; ?Palaeartic.]
- marginepunctata* VON ROSER, 1840: CorrespBl. Württ. landw. Ver., Stuttg. (N.S.), **17**(1): 51 (*Limnobia*). Type-locality: not given (Württemberg [D]). [?Limoniini.]
- meridionalis* RONDANI, 1856: Dipt. Ital. Prodromus, **1**: 181 (*Spyloptera*). Type-locality: not given (Italy). [?Antochini.]
- nigricans* MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, **1823-1824**: 149 (*Limnobia*). Type-locality: not given (northern France). [?Limnophilini.]
- obsoleta* MEIGEN, 1818: Syst. Besch., **1**: 124 (*Limnobia*). Type-locality: Portugal. [?Limnophilini.]
- platyptera* MACQUART, 1826: Mém. Soc. Sci. Agric. Lille, **1823-1824**: 150 (*Limnobia*). Type-locality: not given (northern France). [Hexatominae.]

Family **Ptychopteridae** (Liriiopeidae)

By R. Rozkošný

The adults exhibit a tipuloid appearance, the shining black prevails in their coloration. Head is rather small, wider than long, bearing the convex and well-separated compound eyes, ocelli are missing. The filiform antennae consist of sixteen segments each. Thorax is strongly convex, with a relatively small scutellum. Legs are long, with the strongly developed coxae, tibiae are armed with the terminal spurs and the basitarsi are almost twice as long as the other tarsomeres together. Wings bear mostly conspicuous spots. They are characterized by the circumambient costa, the missing discal cell and by the venae spuriae that run between veins R_5 and M , and Cu and A , respectively. Male abdomen is 9-segmented, the distal segments became shorter but markedly wider. A so-called auxiliary copulatory organ is usually developed on the 3rd abdominal sternum. Female terminalia on the 10-segmented female abdomen consist of scissor-shaped cerci, a vaginal apodeme and a subgenital plate (= 8th sternum). The size varies from 7 to 15 mm.

The metapneustic larvae are slender, long and spindle-shaped, eucephalic. Their anal region is characteristically produced into a long retractable respiratory tube. On the ventral side of the first 3 abdominal segments there are 3 pairs of the tubercle-like prolegs, each with an apical spine. Two slender retractable anal papillae are present ventrally at base of the respiratory tube. From the mouthparts, especially the hypostoma and the hypostomal bridge seem to be of taxonomic importance.

The pupae exhibit the right pupal respiratory horn produced into a respiratory tube that used to be about twice as long as the pupa. The left pupal respiratory horn is small and degenerate.

Larvae and pupae develop in water of a lenitic character; they live in the upper layers of mud, communicating with the water surface only through their respiratory tubes.

At present 64 world species of the family are known, 24 of which have been found in the Palearctic Region. Two of them belong to the genus *Bittacomorphella* ALEXANDER and the other to the genus *Ptychoptera* MEIGEN.

References: BRINDLE, 1962, 1966; FREY, 1959; JOOST, 1974, 1978; PEUS, 1958, 1967; STUBBS, 1972; TJEDER, 1968; WAGNER, 1978; ZITEK-ZWYRTEK, 1971.

Bittacomorphella ALEXANDER, 1916

ALEXANDER, 1916: Proc. Acad. nat. Sci. Philad., 1916: 545 (as subgenus of *Bittacomorpha* WESTWOOD, 1835).

Type-species: *Bittacomorpha jonesi* JOHNSON, 1905: Psyche, 12: 75 (orig. des.); not Palearctic.

esakii TOKUNAGA, 1938: Mushi, 11: 189 (*Bittacomorphella*). Type-locality: Kaku-mazawa, Nagano-ken, Honshu (Japan).—Distr.: Asia: Japan.

nipponensis ALEXANDER, 1924: Insecutor Inscit. menstr., 12: 51 (*Bittacomorphella*). Type-locality: Hinoemata, Iwashiro-no-kuni (Japan).—Distr.: Asia: Japan.

Ptychoptera MEIGEN, 1803

MEIGEN, 1803: Mag. Insektenk., 2: 262.

Type-species: *Tipula contaminata* LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (des. LATREILLE, 1810: Consid. générales nat. animaux: 442).

Liriope MEIGEN, 1800: Nouve. Class.: 14. Type-species: *Tipula contaminata* LINNAEUS, 1758: Syst. Nat., Ed. 10, 1: 586 (des. COQUILLET, 1910: Proc. U.S. natn. Mus., 37: 562). [Suppressed by I.C.Z.N., Bull. zool. Nom., 20: Opinion 678.]

Paraptychoptera TONNOIR, 1919: Annls Soc. ent. Belg., 59: 115. Type-species: *Ptychoptera paludosa* MEIGEN, 1804: Klass. Beschr., 1(1): 82 (by present designation).

albimana (FABRICIUS, 1787): Mantissa insect., 2: 323 (*Tipula*). Type-locality: Kiel [D].—Distr.: Europe: from Central Scandinavia to I; USSR: NET, CET, SET (Uk).

bellula ALEXANDER, 1937: Philipp. J. Sci., 63: 367 (*Ptychoptera*). Type-locality: Kiangsi, Hong San (China).—Distr.: Asia: China.

clitellaria ALEXANDER, 1935: Philipp. J. Sci., 57: 195 (*Ptychoptera*). Type-locality: Yachow, Sichuan (China).—Distr.: Asia: Japan, China.

contaminata (LINNAEUS, 1758): Syst. Nat., Ed. 10, 1: 586 (*Tipula*). Type-locality: "Europe".—Distr.: Europe: from Central Scandinavia to E; USSR: NET, CET, SET.

fuscipes (GMELIN, 1790): Syst. Nat., Ed. 13, 1(5): 2819 (*Tipula*). Type-locality: "Europa".

daimio ALEXANDER, 1921: Insecutor Inscit. menstr., 9: 80 (*Ptychoptera*). Type-locality: Teshio, Hokkaido (Japan).—Distr.: Asia: Japan.

handlirschi (CZIŽEK, 1919): Z. mähr. Landesmus., 17: 13 (*Liriope*). Type-locality: Neudorf, Tesstal [= Zárová, Desná Valley] (Czechoslovakia).—Distr.: Europe: CS, PL.

- helena** (PEUS, 1958): 10b. Liriopidae, Fliegen pal. Reg., 3(1): 31 (*Liriop*). Type-locality: Oiti Mts, Phthiotis (Greece).—Distr.: Europe: GR.
- hugoi** TJEDER, 1968: Opusc. ent., 33: 74 (*Ptychoptera*). Type-locality: Gratangen, Troms (Norway).—Distr.: Europe: N, S.
- japonica** ALEXANDER, 1913: Can. Ent., 45: 198 (*Ptychoptera*). Type-locality: Tokyo (Japan).—Distr.: Asia: Japan.
- lacustris** MEIGEN, 1830: Syst. Besch., 6: 291 (*Ptychoptera*). Type-locality: not given (Germany).—Distr.: Europe: from South Scandinavia to F and the Alps; USSR: NET, CET, SET.
- longicauda** (TONNOIR, 1919): Annls Soc. ent. Belg., 59: 121 (*Paraptychoptera*). Type-localities: Bruxelles, Genval, Virton (Belgium).—Distr.: Europe: GB, S, DK, B, CS.
- minuta** TONNOIR, 1919: Annls Soc. ent. Belg., 59: 120 (*Ptychoptera*). Type-locality: Audernem (Belgium).—Distr.: Europe: GB, N, S, SF, DK, NL, B, CS; USSR: NET, WS.
- obscura** (PEUS, 1958): 10b. Liriopidae, Fliegen. pal. Reg., 3(1): 33 (*Liriop*). Type-locality: Berlin. —Distr.: Europe: Berlin.
- paludosa** MEIGEN, 1804: Klass. Besch., 1(1): 82 (*Ptychoptera*). Type-locality: not given (Germany).—Distr.: Europe: from Central Scandinavia to F and the Alps; USSR: NET, CET, SET.
- peusi** JOOST, 1974: Ent. Nachr., Dresden, 18: 173 (*Ptychoptera*). Type-locality: Irik (Central Caucasus) (USSR).—Distr.: USSR: SET (Rs).
- scutellaris** MEIGEN, 1818: Syst. Besch., 1: 206 (*Ptychoptera*). Type-locality: Stolberg [D].—Distr.: Europe: from GB, S and SF to F and the Alps; USSR: NET, CET, SET (Rs); Asia: Mongolia.
- silvicola** ZWYRTEK et ROZKOŠNÝ, 1967: Acta Mus. Mor., Sci. nat., 52: 197 (*Ptychoptera*). Type-locality: Vihorlat Mts (Czechoslovakia).—Distr.: Europe: CS.
- subscutellaris** ALEXANDER, 1921: Insecutor Inscit. menstr., 9: 81 (*Ptychoptera*). Type-locality: Sapporo, Hokkaido (Japan).—Distr.: Asia: Japan.
- surcoufi** (SÉGUY, 1925): Encycl. ent. (B II) Dipt., 2: 22 (*Paraptychoptera*). Type-locality: Rouiba (Algeria).—Distr.: North Africa: Algeria.
- takeuchii** TOKUNAGA, 1938: Mushi, 11: 187 (*Ptychoptera*). Type-locality: Koyasan, Wakayamaken, Honshu (Japan).—Distr.: Asia: Japan.
- yankovskiana** ALEXANDER, 1945: Trans. R. ent. Soc. Lond., 95: 228 (*Ptychoptera*). Type-locality: Puksu Pyaksan, Kaukyo Nando (Korea).—Distr.: Asia: Korea.
- yasumatsui** TOKUNAGA, 1939: Mushi, 12: 78 (*Ptychoptera*). Type-locality: Hikosan, Buzen, Hukuoka-ken, Kyushu (Japan).—Distr.: Asia: Japan.

Doubtful species in Ptychoptera

- coerulea* STROBL, 1898: Glasnik. zemalj. Mus. Bosni Herceg., 10: 602 (*Ptychoptera*, as var. of *paludosa* MEIGEN). Type-locality: "Sucha" (Yugoslavia).
fasciata (SCOPOLI, 1763): Entom. carniolica: 321 (*Tipula*). Type-locality: not given (Carniolia, Yugoslavia).
ocreata (SCHRANK, 1781): Enum. ins. austr. indig.: 427 (*Tipula*). Type-locality: "Austria superiore".
pectinata MACQUART, 1834: Hist. nat. Ins., Dipt., 1: 77 (*Ptychoptera*). Type-locality: North France. - See also Tipulidae: *Dictenidia* BRULLÉ, 1833.

Family Nymphomyiidae

By L. Jedlička

The Nymphomyiidae are small, peculiar, little known, archaic Diptera. Body of imago pale, about 2 mm long. Head small, conical, prognathous in type, anteriorly with a rostrum. Oral opening is on the ventral side of rostrum, but no functional mouthparts present. Eyes separated dorsally, but connected ventrally. Two large ocelli present. Antennae 5-segmented, short. The 3rd segment largest one, 2 distal flagellar segments very small, apical on the 3rd segment. Thorax cylindrical. Pronotum small, divided in two lateral parts. Mesonotal praescutum and scutum fused, postscutellum elongated, scutellum small. Metanotum reduced. Each thoracal segment with a large sternum. Spiracles absent. Legs slender, small, all femora and tibiae subdivided each in 2 parts by membraneous ring. Tarsi 5-segmented, with long claws and a slender empodium. Wings elongated, narrow, triangular, deciduous along a definite line near base, with a long hair fringe along the fore and hind margin. Veins present as slight thickenings only. Abdomen 9-segmented, cylindrical, with paired appendages on different segments. The 8th segment sexually modified, in some genera with paratergal appendages. Hypopygium simple, normal in position. Aedeagus simple, supported by an apodeme. Gonopods large, basistyles long, fused to 9th sternite, dististyles small. Unsegmented cerci large, horn-like, immovable. In female, an ovipositor-like structure present between cerci. The homology of abdominal appendages is uncertain.

Larvae aquatic, small, polypodous, eucephalic, apneustic. Body whitish, 1-2 mm long. head ovoid, yellow to brown, with Y-shaped epicranial suture and anteriorly with a subconical rostrum. A single lateral eyespot on each side. Antennae 3-segmented, 1st segment the longest one, cylindrical; at base of 2nd antennal segment are 2 spatulate sensillae, longer than this segment. Mouthparts of chironomid type. All 3 thoracic segments distinct, cylindrical, without legs. Abdomen with 9 apparent segments, first 7 and

terminal segment each with a pair of 2-segmented prolegs (according to ROHDENDORF pseudosegmentation only), terminated with 1 or 2 crowns of spines.

Pupa libera, about 2.5 mm long. Head prognathous, antennal sheaths parallel with rostrum. Sheaths of wings and legs fixed at the base only. Abdominal segmentation the same type as in imago; on the hind margin of each of 2nd to 8th segments one row of strong triangular thorns.

Adults live in summer, they spring into the air on taking flight by flexing their abdomen. Females enter flowing water to oviposit and remain there with eggs attached to their body until hatching. Microphagous larvae are associated with aquatic mosses. Pupae probably move actively.

Five species are described, four in Asia (one of them Oriental), and one in North America. The subfamily *Oreadomyiinae* with *Oreadomyia albertae* KEVAN et CUTTEN, 1975, was erected by ROHDENDORF (1977) in family rank. An undescribed Brazilian genus assigned by IDE to *Nymphomyiidae* belongs probably to *Cecidomyiidae* (CUTTEN and KEVAN, 1970).

References: CUTTEN and KEVAN, 1970; IDE, 1965; MAKARCHENKO, 1979; ROHDENDORF and KALUGINA, 1974; TOKUNAGA, 1932.

***Nymphomyia* TOKUNAGA, 1932**

TOKUNAGA, 1932: *Annotnes zool. jap.*, **13**: 560.

Type-species: *Nymphomyia alba* TOKUNAGA, 1932: l.c.: 561 (orig. des.).

alba TOKUNAGA, 1932: *Annotnes zool. jap.*, **13**: 561 (*Nymphomyia*). Type-locality: Kibune, Kyoto Pref. (Japan).—Distr.: Asia: Japan (Honshu).

levanidovae ROHDENDORF et KALUGINA, 1974, *Ent. Obozr.*, **53**: 687 (*Nymphomyia*). Type-locality: "reka Elduga, bassejn r. Sujfun" (USSR: FE, South Primor'ye region).—Distr.: USSR: FE.

rohdendorfi MAKARCHENKO, 1979: *Zool. Zh.*, **58**: 1070 (*Nymphomyia*). Type-locality: "ruchej Anjuradat, pos. Sibit-Tyellach" (USSR: FE, Kolyma river basin).—Distr.: USSR: FE.

Bibliography

Abreu, E. S. (See Santos Abreu, E.)

Agharkar, S. P.

- 1914 VIII. On a new species of Blepharocerid fly from Kashmir, together with a description of some larvae from the same locality. *Rec. Indian Mus.*, **10**: 159-164.

Agrell, I.

- 1945 Notes on new Limnobiidae from Sweden. *Opusc. ent.*, **10**: 21-26.

Alexander, C. P.

- 1911 Notes on two Tipulidae (Dipt.). *Ent. News*, **22**: 349-354.
- 1912 New species of Furcomya (Tipulidae). *Can. Ent.*, **11**: 333-341, 361-364.
- 1912 On the Tropical American Rhipididae (Tipulidae, Dipt.). *Bull. Brooklyn ent. Soc.*, **8**: 6-17.
- 1913 A synopsis of part of the Neotropical crane-flies of the subfamily Limnobiinae. *Proc. U.S. natn. Mus.*, **44**: 481-549.
- 1913 The Neotropical Tipulidae in the Hungarian National Museum, 1 (Diptera). *Ent. News*, **24**: 404-449.
- 1913 Report on a collection of Japanese crane-flies (Tipulidae) with a key to the species of Ptychoptera. *Can. Ent.*, **45**: 197-210, 285-295, 313-322.
- 1914 The craneflies collected in Costa Rica by Dr. P. P. Calvert (Tipulidae, Diptera). *Jl N.Y. ent. Soc.*, **22**: 116-124.
- 1914 On a collection of crane-flies from British Guiana (Tipulidae, Diptera). *Trans. Am. ent. Soc.*, **40**: 223-255.
- 1914 Report on a collection of Japanese crane-flies (Tipulidae) with a key to the species of Ptychoptera. *Can. Ent.*, **46**: 157-164; 205-211, 236-242.
- 1914 New or little-known craneflies from the United States and Canada. Tipulidae, Diptera. *Proc. Acad. nat. Sci. Philad.*, **1914**: 579-606.
- 1915 New or little known crane-flies from the United States and Canada. Tipulidae, Diptera, 2. *Proc. Acad. nat. Sci. Philad.*, **1915**: 458-514.
- 1915 New Nearctic crane-flies in the United States National Museum (Diptera, Tipulidae). *Insecutor Inscit. menstr.*, **3**: 127-142.
- 1916 New Limnophilina crane-flies from the United States and Canada (Tipulidae, Diptera). *Jl N.Y. ent. Soc.*, **24**: 118-125.
- 1916 New North American species of the genus *Gonomyia* Meigen (Tipulidae, Diptera). *Can. Ent.*, **48**: 316-325.

- 1916 New or little known crane-flies from the United States and Canada. Tipulidae, Ptychopteridae, Diptera, 3. *Proc. Acad. nat. Sci. Philad.*, **1916**: 486-550.
- 1917 New Nearctic crane-flies (Tipulidae, Diptera), 2. *Can. Ent.*, **49**: 22-31, 61-64.
- 1918 New Nearctic crane-flies (Tipulidae, Diptera), 4. *Can. Ent.*, **50**: 60-71.
- 1918 New species of Tipuline crane-flies from eastern Asia (Tipulidae, Diptera). *Jl N.Y. ent. Soc.*, **26**: 66-75.
- 1918 A new interpretation of the wing-venation of the Pediciine crane-flies (Tipulidae, Diptera). *Ent. News*, **29**: 201-205.
- 1918 New species of Tipuline crane-flies from eastern Asia (Tipulidae, Diptera). *Jl N.Y. ent. Soc.*, **26**: 66-75.
- 1918 Records of Japanese crane-flies (Diptera). *Ann. ent. Soc. Am.*, **11**: 443-449.
- 1919 Undescribed species of Japanese crane-flies (Tipulidae, Diptera). *Ann. ent. Soc. Am.*, **12**: 327-348.
- 1919 The crane-flies collected by the Canadian arctic expedition, 1913-1918. *Rep. can. arct. Exped., 1913-1918*, **3** (C: Diptera): 3-30.
- 1919 The crane-flies of New York, 1. Distribution and taxonomy of the adult flies. *Mem. Cornell Univ. agric. Exp. Stn*, **25**: 765-993.
- 1919 New species of Eriopterine crane-flies from the United States (Tipulidae, Diptera). *Insecutor Inscit. menstr.*, **7**: 143-148.
- 1920 New or little known crane-flies in the Queensland Museum (Tipulidae, Diptera). *Mem. Qd Mus.*, **7**: 52-63.
- 1920 New or little-known crane-flies from Japan (Tipulidae, Diptera). *Trans. Am. ent. Soc.*, **46**: 1-26.
- 1920 Undescribed Tipulidae (Diptera) from western North America. *Proc. Calif. Acad. Sci.*, (4) **10**: 35-46.
- 1920 Undescribed species of African crane-flies in the collection of the British Museum (Natural History): Tipulidae, Diptera, 1. Subfamily Limnobiinae. *Ann. Mag. nat. Hist.*, (9) **6**: 1-44, 336-364.
- 1920 New or little-known Australian crane-flies (Tipulidae, Diptera). *Proc. R. Soc. Qd*, **32**: 91-109.
- 1920 New species of crane-flies from the United States and Canada (Tipulidae, Diptera). *Pomona Coll. J. Ent. Zool.*, **12**: 85-92.
- 1920 The crane-flies collected by the Swedish expedition (1895-1896) to southern Chile and Tierra del Fuego (Tipulidae, Diptera). *Arkiv Zool.*, **13**(6): 1-32.
- 1920 The crane-flies of New York, 2. Biology and phylogeny. *Mem. Cornell Univ. agric. Exp. Stn*, **38**: 691-1133.
- 1920 Tipulidae collected by the American Museum Congo expedition. *Bull. Am. Mus. nat. Hist.*, **43**: 9-20.

- 1920 Scientific results of the Katmai expedition of the National Geographical Society. The crane flies (Tipulidae, Diptera). *Ohio J. Sci.*, **20**: 193-203.
- 1920 New or little-known crane-flies from Formosa (Tipulidae, Diptera). *Ann. ent. Soc. Am.*, **13**: 249-270.
- 1920 New Nearctic crane-flies (Tipulidae, Diptera), 9. *Can. Ent.*, **52**: 109-112.
- 1920 New or little-known crane-flies from Japan (Tipulidae, Diptera). *Trans. Am. ent. Soc.*, **46**: 1-26.
- 1920 New species of Japanese crane-flies (Tipulidae, Diptera), 1. *Insecutor Inscit. menstr.*, **8**: 134-138.
- 1920 Undescribed crane-flies of the Paris Museum (Tipulidae, Diptera): African species, 2. *Bull. Mus. natn. Hist. nat. Paris*, (1) **26**: 402-406.
- 1921 Undescribed or little-known crane-flies from the Pacific islands (Tipulidae, Diptera). *Bull. Brooklyn ent. Soc.*, **16**: 9-13.
- 1921 Undescribed species of Japanese crane-flies (Tipulidae, Diptera), 2. *Ann. ent. Soc. Am.*, **14**: 111-134.
- 1921 Undescribed crane-flies in the Paris Museum (Tipulidae, Diptera), 3. *Bull. Mus. natn. Hist. nat. Paris*, (1) **27**: 303-306, 346-350, 539-542.
- 1921 Two undescribed species of Japanese Ptychopteridae (Diptera). *Insecutor Inscit. menstr.*, **9**: 80-83.
- 1921 New species of Japanese crane-flies (Tipulidae, Diptera), 2. *Insecutor Inscit. menstr.*, **9**: 179-186.
- 1921 New species of crane-flies from north Queensland (Tipulidae, Diptera). *Can. Ent.*, **53**: 205-211.
- 1922 *Report of the scientific results of the Norwegian expedition to Novaya Zemlya, 1921*. No 5, The crane-flies (Superfamily Tipuloidea, order Diptera). Kristiania: 1-16.
- 1922 New or little-known species of Australian Tipulidae (Diptera), 1. *Proc. Linn. Soc. N.S.W.*, **47**: 581-590.
- 1922 An undescribed Net-Winged Midge from Japan. *Insecutor Inscit. menstr.*, **10**: 21-23.
- 1922 Four undescribed species of Limnobia from the Oriental region (Diptera, Tipulidae). *Insecutor Inscit. menstr.*, **10**: 75-80.
- 1922 The Blepharocerid genus *Bibiocephala* Osten-Sacken in Japan. *Insecutor Inscit. menstr.*, **10**: 111-112.
- 1922 New species of Japanese crane-flies (Diptera, Tipulidae), 3. *Insecutor Inscit. menstr.*, **10**: 177-188.
- 1922 Undescribed crane-flies of the Paris Museum (Tipulidae, Diptera): 3 (continued). *Bull. Mus. natn. Hist. nat. Paris*, (1) **28**: 73-75.
- 1922 Undescribed crane-flies of the Paris Museum (Tipulidae, Diptera): 4. Asiatic species. *Bull. Mus. natn. Hist. nat. Paris*, (1) **28**: 295-299.
- 1923 Undescribed species of Japanese crane-flies (Tipulidae, Diptera), 3. *Ann. ent. Soc. Am.*, **16**: 57-76.

- 1923 Diptera of the Pribilof islands, Alaska (Tipulidae and Rhyphidae). *North Am. Fauna*, **46**: 159-169.
- 1923 Undescribed crane-flies of the Paris Museum (Tipulidae, Diptera): 4. Asiatic species (continued). *Bull. Mus. natn. Hist. nat. Paris*, (1) **29**: 97-102.
- 1923 Undescribed crane flies from Formosa and Luzon (Tipulidae, Diptera). *Philipp. J. Sci.*, **22**: 467-481.
- 1924 New or little-known Tipulidae (Diptera), 20. Australasian species. *Ann. Mag. nat. Hist.*, (9) **13**: 177-194.
- 1924 New or little-known Tipulidae (Diptera), 21. Australasian species. *Ann. Mag. nat. Hist.*, (9) **13**: 359-380.
- 1924 New or little-known crane-flies of northern Japan (Tipulidae, Diptera). *Philipp. J. Sci.*, **24**: 531-611.
- 1924 New or little-known Tipulidae (Diptera), 25. Palaearctic species. *Ann. Mag. nat. Hist.*, (9) **14**: 457-477.
- 1924 New species of two-winged flies from western North America belonging to the family Tipulidae. *Proc. U.S. natn. Mus.*, **64**(10): 1-16.
- 1924 Undescribed species of Nematocera from Japan. *Insecutor Inscit. menstr.*, **12**: 49-55.
- 1924 Undescribed species of Nematoceros Diptera from North America and Japan. *Insecutor Inscit. menstr.*, **12**: 81-84.
- 1924 New species of Japanese crane flies (Tipulidae, Diptera), 4. *Insecutor Inscit. menstr.*, **12**: 150-159.
- 1924 Undescribed species of Japanese crane-flies (Tipulidae, Diptera), 4. *Ann. ent. Soc. Am.*, **17**: 59-74.
- 1924 Zoological results of the Swedish expedition to central Africa, 1921. *Insecta*, 6, Tipulidae (Diptera). *Arkiv Zool.*, **16**(18): 1-15.
- 1925 Undescribed species of Japanese crane-flies (Tipulidae, Diptera), 5. *Ann. ent. Soc. Am.*, **17**: 431-448. [Usually cited as 1924.]
- 1925 New or little-known Tipulidae (Diptera), 26. Palaearctic species. *Ann. Mag. nat. Hist.*, (9) **15**: 65-81.
- 1925 New or little-known Tipulidae (Diptera), 27. Palaearctic species. *Ann. Mag. nat. Hist.*, (9) **15**: 385-408.
- 1925 The crane-flies (Tipulidae) of New England: First supplementary list. *Occ. Pap. Boston Soc. nat. Hist.*, **5**: 169-174.
- 1925 Crane-flies from the maritime province of Siberia. *Proc. U.S. natn. Mus.*, **68**(4): 1-21.
- 1925 New or little-known crane-flies, 1. *Encycl. ent. (B II) Dipt.*, **2**: 87-93.
- 1926 Diptera collected by the late Allen Crawford on Wrangel island. The Tipulidae. *Can. Ent.*, **58**: 291-293.
- 1926 New or little-known Tipulidae from eastern Asia, 1. *Philipp. J. Sci.*, **31**: 363-383.
- 1926 Undescribed species of crane-flies from the United States and Canada (Diptera, Tipulidae). *Insecutor Inscit. menstr.*, **14**: 19-24.

- 1926 Undescribed species of crane-flies from the United States and Canada, 2. *Insecutor Inscit. menstr.*, **14**: 114-122.
- 1927 Entomologische Ergebnisse der Schwedischen Kamchatka- Expedition 1920-1922. 12, Tipulidae. *Arkiv Zool.*, **19(A)**(9): 1-10.
- 1927 Undescribed crane-flies from the Holarctic region in the United States National Collection. *Proc. U.S. natn. Mus.*, **72**(2):1-17.
- 1927 Records and descriptions of crane-flies from Alberta (Tipulidae, Diptera), 1. *Can. Ent.*, **59**: 214-225.
- 1927 The oriental Tipulidae in the collection of the Indian Museum, 1. *Rec. Indian Mus.*, **29**: 167-214.
- 1928 New or little-known Tipulidae from the eastern Asia, 2. *Philipp. J. Sci.*, **35**: 455-489.
- 1928 New or little-known Tipulidae from the eastern Asia, 3. *Philipp. J. Sci.*, **36**: 455-485.
- 1929 New Nearctic crane-flies (Tipulidae, Diptera), 13. *Can. Ent.*, **61**: 15-22.
- 1929 New or little-known Tipulidae from the Philippines (Diptera), 5. *Philipp. J. Sci.*, **40**: 239-273.
- 1929 A list of the crane-flies of Quebec (Diptera), 1. *Can. Ent.*, **61**: 231-236, 247-251.
- 1929 New or little-known Tipulidae from eastern Asia (Diptera), 4. *Philipp. J. Sci.*, **40**: 317-348.
- 1929 New or little-known Tipulidae from eastern Asia (Diptera), 5. *Philipp. J. Sci.*, **40**: 519-547.
- 1929 The crane-flies of New York: Third supplementary list. *Bull. Brooklyn ent. Soc.*, **24**: 22-29.
- 1930 New or little-known Tipulidae from eastern Asia (Diptera), 6. *Philipp. J. Sci.*, **42**: 59-83.
- 1930 New or little-known Tipulidae from eastern Asia (Diptera), 7. *Philipp. J. Sci.*, **42**: 507-535.
- 1930 New or little-known Tipulidae from eastern Asia (Diptera), 8. *Philipp. J. Sci.*, **43**: 507-536.
- 1930 New or insufficiently-known crane-flies from the Nearctic region (Tipulidae, Diptera), 1. *Bull. Brooklyn ent. Soc.*, **25**: 71-77.
- 1930 Records and descriptions of Trichoceridae from the Japanese Empire (Ord. Diptera). *Konowia*, **9**: 103-109.
- 1931 New or little-known Tipulidae from eastern Asia (Diptera), 9. *Philipp. J. Sci.*, **44**: 339-368.
- 1931 New or little-known Tipulidae from the Philippines (Diptera), 9. *Philipp. J. Sci.*, **45**: 415-448.
- 1931 New or little-known Tipulidae from the Philippines (Diptera), 11. *Philipp. J. Sci.*, **46**: 269-304.
- 1931 Crane-flies of the Baltic amber (Diptera). *Bernst. Forsch.*, **2**: 1-135.

- 1931 36. Deutsche Limnologische Sunda-Expedition. The crane-flies (Tipulidae, Diptera). *Arch. Hydrobiol., Suppl.*, **2**: 135-191.
- 1932 The Dipterous family Tipulidae in Japan (Insecta). *Annotnes zool. jap.*, **13**: 273-281.
- 1932 New or little-known Tipulidae from eastern Asia (Diptera), 10. *Philipp. J. Sci.*, **49**: 105-136.
- 1932 New or little-known Tipulidae from eastern Asia (Diptera), 11. *Philipp. J. Sci.*, **49**: 373-406.
- 1933 New or little-known Tipulidae from eastern Asia (Diptera), 12. *Philipp. J. Sci.*, **50**: 129-162.
- 1933 New or little-known Tipulidae from eastern Asia (Diptera), 13. *Philipp. J. Sci.*, **51**: 369-408.
- 1933 New or little-known Tipulidae from eastern Asia (Diptera), 14. *Philipp. J. Sci.*, **51**: 507-544.
- 1933 New or little-known Tipulidae from eastern Asia (Diptera), 15. *Philipp. J. Sci.*, **52**: 131-166.
- 1934 New or little-known Tipulidae from eastern Asia (Diptera), 16. *Philipp. J. Sci.*, **52**: 305-348. [Usually cited as 1933.]
- 1934 New or little-known Tipulidae from eastern Asia (Diptera), 17. *Philipp. J. Sci.*, **52**: 395-442. [Usually cited as 1933.]
- 1934 New or little-known Tipulidae from eastern Asia (Diptera), 18. *Philipp. J. Sci.*, **53**: 267-300.
- 1934 Undescribed Tipulidae from the Ethiopian region. *Encycl. ent. (B II) Dipt.*, **7**: 49-62.
- 1934 Tipuloidea. In: Curran, C. H. (ed.): *The families and genera of North American Diptera*. New York: 28-60.
- 1934 New or little-known Tipulidae from the Philippines (Diptera), 17. *Philipp. J. Sci.*, **53**: 429-468.
- 1934 New or little-known Tipulidae from eastern Asia (Diptera), 19. *Philipp. J. Sci.*, **54**: 309-342.
- 1934 Schwedisch-Chinesische wissenschaftliche Expedition nach den Nordwestlichen Provinzen China, 32 Diptera, 7 Tipulidae. *Arkiv Zool.*, **27(A)**(17): 1-24.
- 1934 New or little-known Tipulidae from eastern Asia (Diptera), 21. *Philipp. J. Sci.*, **55**: 19-60.
- 1935 New or little-known Tipulidae from eastern Asia (Diptera), 22. *Philipp. J. Sci.*, **55**: 133-164. [Usually cited as 1934.]
- 1935 New or little-known Tipulidae from eastern Asia (Diptera), 23. *Philipp. J. Sci.*, **56**: 339-372.
- 1935 New or little-known Tipulidae from eastern Asia (Diptera), 24. *Philipp. J. Sci.*, **56**: 525-562.
- 1935 New or little-known Tipulidae from eastern Asia (Diptera), 25. *Philipp. J. Sci.*, **57**: 81-148.

- 1935 New or little-known Tipulidae from eastern Asia (Diptera), 26. *Philipp. J. Sci.*, **57**: 195-225.
- 1935 New or little-known Tipulidae from eastern Asia (Diptera), 27. *Philipp. J. Sci.*, **58**: 213-252.
- 1936 New or little-known Tipulidae from eastern Asia (Diptera), 28. *Philipp. J. Sci.*, **58**: 385-426. [Usually cited as 1935.]
- 1936 New or little-known Tipulidae from eastern Asia (Diptera), 29. *Philipp. J. Sci.*, **59**: 225-257.
- 1936 New or little-known Tipulidae from eastern Asia (Diptera), 30. *Philipp. J. Sci.*, **60**: 165-204.
- 1936 New or little-known Tipulidae from eastern Asia (Diptera), 31. *Philipp. J. Sci.*, **60**: 323-359.
- 1936 New or little-known Tipulidae from eastern Asia (Diptera), 33. *Philipp. J. Sci.*, **61**: 169-203.
- 1937 New or little-known Tipulidae from eastern China, 1. *Notes Ent. chin.*, **4**: 1-28.
- 1937 New or little-known Tipulidae from eastern China, 2. *Notes Ent. chin.*, **4**: 65-88.
- 1937 New or little-known Tipulidae from eastern Asia (Diptera), 35. *Philipp. J. Sci.*, **63**: 365-404.
- 1938 New or little-known Tipulidae from eastern Asia (Diptera), 36. *Philipp. J. Sci.*, **66**: 93-134.
- 1938 New or little-known Tipulidae from eastern Asia (Diptera), 37. *Philipp. J. Sci.*, **66**: 221-259.
- 1938 New or insufficiently-known crane-flies from the Nearctic Region (Tipulidae, Diptera), 4. *Bull. Brooklyn ent. Soc.*, **33**: 71-78.
- 1938 New or little-known Tipulidae from eastern Asia (Diptera), 38. *Philipp. J. Sci.*, **66**: 309-342.
- 1938 New or little-known Tipulidae from eastern Asia (Diptera), 39. *Philipp. J. Sci.*, **66**: 439-478.
- 1938 Studies on the Tipulidae of China (Diptera), 2. New or little-known crane-flies from southeastern China. *Lignan Sci. J.*, **17**: 337-356.
- 1938 New or little-known Tipulidae from eastern Asia (Diptera), 40. *Philipp. J. Sci.*, **67**: 129-166.
- 1939 New or little-known Tipulidae from eastern China (Order Diptera). *Arkiv Zool.*, **30(B)**(6): 1-5. [Usually cited as 1938.]
- 1940 New or little-known Tipulidae from eastern Asia (Diptera), 41. *Philipp. J. Sci.*, **67**: 39-76.
- 1940 Records and descriptions of North American crane-flies (Diptera), 1. Tipuloidea of the Great Smoky Mountains National Park, Tennessee. *Am. Midl. Nat.*, **24**: 602-644.
- 1940 New or little-known Tipulidae from eastern Asia (Diptera), 42. *Philipp. J. Sci.*, **71**: 169-204.

- 1940 Studies on the Tipulidae of China (Diptera), 3. New or little-known crane-flies from Tien-mu-shan, Chekiang. *Lingnan Sci. J.*, **19**: 105-119.
- 1940 Studies on the Tipulidae of China (Diptera), 4. New or little-known crane-flies from Tien-mu-shan, Chekiang (continued). *Lingnan Sci. J.*, **19**: 121-132.
- 1940 New or little-known Tipulidae from eastern China, 3. *Notes Ent. chin.*, **8**: 1-28.
- 1941 New or little-known Tipulidae from eastern Asia (Diptera), 43. *Philipp. J. Sci.*, **73**: 375-420. [Usually cited as 1940.]
- 1941 New Nearctic crane-flies (Tipulidae, Diptera). *Can. Ent.*, **73**: 85-90.
- 1941 Undescribed species of crane-flies from the eastern United States and Canada (Dipt.: Tipulidae), 7. *Ent. News*, **52**: 192-196.
- 1941 New or little-known Tipulidae from eastern Asia (Diptera), 44. *Philipp. J. Sci.*, **76**: 27-66.
- 1942 The Oriental Tipulidae in the collection of the Indian Museum, 2. *Rec. Indian Mus.*, **44**: 29-72.
- 1942 Diptera or true flies of Connecticut. Part 6. *Bull. Conn. St. geol. nat. Hist. Survey*, **64**: 183-486.
- 1943 Records and descriptions of North American crane-flies (Diptera), 3. Tipuloidea of the Upper Gunnison Valley, Colorado. *Am. Midl. Nat.*, **29**: 147-179.
- 1943 New or little-known species of exotic Tipulidae (Diptera). *Proc. R. ent. Soc. Lond. (B)*, **12**: 173-180.
- 1944 New or little-known species of exotic Tipulidae (Diptera). *Proc. R. ent. Soc. Lond. (B)*, **13**: 74-80.
- 1945 Undescribed species of Tipulidae from the western United States (Diptera). *Pan-Pacif. Ent.*, **21**: 91-97.
- 1945 Undescribed species of crane-flies from northern Korea (Diptera, Tipuloidea). *Trans. R. ent. Soc. Lond.*, **95**: 227-246.
- 1946 Notes on the Tropical American species of Tipulidae (Diptera), 1. The genus *Teucholabis* Osten Sacken. *Revta Ent.*, **17**: 375-400.
- 1947 Undescribed species of Japanese crane-flies (Diptera: Tipulidae), 6. *Ann. ent. Soc. Am.*, **40**: 350-371.
- 1947 Notes on the Tropical American species of Tipulidae (Diptera), 3. The specialized Eriopterini: *Rhabdomastix*, *Cryptolabis*, *Erioptera*, *Molophilus*, *Styringomyia*, *Toxorhina*, and allies. *Revta Ent.*, **18**: 317-360.
- 1948 Records and descriptions of North American crane-flies (Diptera), 7. The Tipuloidea of Utah, 1. *Am. Midl. Nat.*, **39**: 1-82.
- 1949 Records and descriptions of North American crane-flies (Diptera), 8. The Tipuloidea of Washington, 1. *Am. Midl. Nat.*, **42**: 257-333.
- 1949 Entomological results from the Swedish expedition 1934 to Burma and British India. Diptera: Tipulidae - Pediciini. *Arkiv Zool.*, **42(A)(2)**: 1-21.

- 1949 New or little-known Tipulidae (Diptera), 85. Oriental-Australasian species. *Ann. Mag. nat. Hist.*, (12) 2: 512-538.
- 1950 Notes on the Tropical American species of Tipulidae (Diptera), 6. The tribe Limoniini, genus Limonia: subgenera Limonia, Neolimnobia, Discobola and Rhipidia. *Revta Ent.*, 21: 161-221.
- 1950 Undescribed species of Japanese crane-flies (Diptera: Tipulidae), 7. *Ann. ent. Soc. Am.*, 43: 418-436.
- 1950 Undescribed species of crane-flies from the eastern United States and Canada (Dipt.: Tipulidae), 11. *Ent. News*, 61: 163-171.
- 1951 New or little-known Tipulidae (Diptera), 91. Oriental-Australasian species. *Ann. Mag. nat. Hist.*, (12) 4: 1072-1102.
- 1952 A new genus of Trichoceridae from Japan (Diptera). *Trans. Shikoku ent. Soc.*, 3: 14-16.
- 1952 New or little known Tipulidae (Diptera), 93. Oriental-Australasian species. *Ann. Mag. nat. Hist.*, (12) 5: 1090-1111.
- 1952 The Oriental Tipulidae in the collection of the Indian Museum, 3. *Rec. Indian Mus.*, 50: 321-358.
- 1952 Undescribed species of nematocerous Diptera. Part 1. *Bull. Brooklyn ent. Soc.*, 47: 91-94.
- 1953 New or little-known Tipulidae (Diptera), 94. Oriental-Australasian species. *Ann. Mag. nat. Hist.*, (12) 6: 174-192.
- 1953 The insect fauna of mount Ishizuchi and Omogo valley, Iyo, Japan. The Tipulidae (Diptera). *Trans. Shikoku ent. Soc.*, 3: 71-83.
- 1953 Records and descriptions of Japanese Tipulidae (Diptera), 1. The crane-flies of Shikoku, 1. *Philipp. J. Sci.*, 82: 21-75.
- 1953 Records and descriptions of Japanese Tipulidae (Diptera), 2. The crane-flies of Shikoku, 2. *Philipp. J. Sci.*, 82: 141-179.
- 1953 New or little-known Tipulidae (Diptera), 95. Oriental-Australasian species. *Ann. Mag. nat. Hist.*, (12) 6: 739-757.
- 1953 New or little-known Tipulidae (Diptera), 96. Oriental-Australasian species. *Ann. Mag. nat. Hist.*, (12) 6: 897-914.
- 1953 Undescribed species of nematocerous Diptera. Part 3. *Bull. Brooklyn ent. Soc.*, 48: 97-103.
- 1954 Records and descriptions of Japanese Tipulidae (Diptera), 3. The crane-flies of Shikoku, 3. *Philipp. J. Sci.*, 82: 263-308. [Usually cited as 1953.]
- 1954 New or little-known Tipulidae (Diptera), 98. Oriental-Australasian species. *Ann. Mag. nat. Hist.*, (12) 7: 895-912.
- 1954 The Tipulidae of mount Ishizuchi and the Omogo valley, Iyo, Shikoku, Japan. First supplementary list. *Trans. Shikoku ent. Soc.*, 4: 23-31.
- 1954 Tipulidae from Shansi, North China (Diptera). *Mushi*, 27(4): 23-32.
- 1955 Records and descriptions of Japanese Tipulidae (Diptera), 4. The crane-flies of Shikoku, 4. *Philipp. J. Sci.*, 83: 263-306. [Usually cited as 1954.]

- 1955 Undescribed species of Japanese crane-flies (Diptera: Tipulidae), 8. *Ann. ent. Soc. Am.*, **48**: 364-374.
- 1955 New or little-known species of Cladura from Japan (Diptera, Tipulidae). *Bull. Brooklyn ent. Soc.*, **50**: 18-22.
- 1955 The crane flies of Alaska and the Canadian northwest (Tipulidae, Diptera). The genus Erioptera Meigen. *Misc. Publs Mus. Zool. Univ. Mich.*, **90**: 1-33.
- 1955 New or little-known Tipulidae (Diptera), 99. Oriental-Australasian species. *Ann. Mag. nat. Hist.*, (12) **8**: 657-674.
- 1955 New or little-known Tipulidae (Diptera), 100. Oriental-Australasian species. *Ann. Mag. nat. Hist.*, (12) **9**: 36-53.
- 1956 Tipulidae. *Ruwenzori Expedition 1934-35*. British Museum (Natural History), **1**(7): 129-380.
- 1956 The crane-flies of South Africa in the Natal Museum (Diptera: Tipulidae). *Ann. Natal Mus.*, **13**: 395-433.
- 1956 Undescribed species of nematocerous Diptera. Part 4. *Bull. Brooklyn ent. Soc.*, **51**: 75-81.
- 1956 Two new crane-flies from Point Barrow, Alaska (Diptera: Tipulidae). *Pan-Pacif. Ent.*, **32**: 123-125.
- 1957 New or little-known Tipulidae (Diptera), 102. Oriental-Australasian species. *Ann. Mag. nat. Hist.*, (12) **10**: 97-115.
- 1957 Records and descriptions of Japanese Tipulidae (Diptera), 5. The crane-flies of Honshu, 1. *Philipp. J. Sci.*, **85**: 349-388.
- 1957 New or little-known Tipulidae (Diptera), 104. Oriental-Australasian species. *Ann. Mag. nat. Hist.*, (12) **10**: 287-304.
- 1958 Records and descriptions of Japanese Tipulidae (Diptera), 6. The crane-flies of Honshu, 2. *Philipp. J. Sci.*, **86**: 281-330.
- 1958 Undescribed species of Japanese Tipulidae (Diptera), 1. *Trans. Shikoku ent. Soc.*, **6**: 1-8.
- 1958 Geographical distribution of the net-winged midges (Blepharoceridae, Diptera). *Proc. 10th Int. Congr. Ent.*, **1**(1956): 813-828.
- 1958 Undescribed species of nematocerous Diptera. Part 5. *Bull. Brooklyn ent. Soc.*, **53**: 48-52.
- 1959 Undescribed species of crane-flies from the western United States and Canada (Dipt.: Tipulidae), 19. *Ent. News*, **70**: 47-54.
- 1959 Undescribed species of nematocerous Diptera. Part 7. *Bull. Brooklyn ent. Soc.*, **54**: 53-59.
- 1959 Undescribed species of nematocerous Diptera. Part 8. *Bull. Brooklyn ent. Soc.*, **54**: 129-135.
- 1960 Undescribed species of nematocerous Diptera. Part 9. *Bull. Brooklyn ent. Soc.*, **55**: 114-120.
- 1960 New or little-known Tipulidae from eastern Asia (Diptera), 46. *Philipp. J. Sci.*, **88**: 137-184.

- 1961 New or little-known Tipulidae from eastern Asia (Diptera), 48. *Philipp. J. Sci.*, **90**: 97-149.
- 1961 New or little-known Tipulidae from eastern Asia (Diptera), 50. *Philipp. J. Sci.*, **90**: 397-445.
- 1961 New or little-known Tipulidae from eastern Asia (Diptera), 51. *Philipp. J. Sci.*, **92**: 205-246.
- 1961 Undescribed species of crane-flies from the Himalaya mountains (Tipulidae, Diptera), 6. *Jl N.Y. ent. Soc.*, **69**: 121-130.
- 1961 Undescribed species of nematoceros Diptera. Part 9. *Bull. Brooklyn ent. Soc.*, **55**: 114-120.
- 1961 Undescribed species of nematoceros Diptera. Part 10. *Bull. Brooklyn ent. Soc.*, **56**: 121-127.
- 1963 Classification and synonymy of the crane-flies described by Enrico Brunetti (Diptera: Families Ptychopteridae, Trichoceridae, and Tipulidae). *Rec. Indian Mus.*, **59**: 19-34.
- 1963 Some Tipulidae from Tibet and upper Burma in the British Museum (Diptera). *Bull. Br. Mus. nat. Hist. (B)*, **14**: 319-340.
- 1964 The crane-flies of Jamaica (Diptera, Tipulidae). *Bull. Inst. Jamaica, Sci. Ser.*, **14**: 1-86.
- 1964 New or little-known Tipulidae from eastern Asia (Diptera), 53. *Philipp. J. Sci.*, **93**: 77-129.
- 1964 New or little-known Tipulidae from eastern Asia (Diptera), 54. *Philipp. J. Sci.*, **93**: 277-324.
- 1965 New or little-known Tipulidae from Madagascar (Diptera). *Trans. Am. ent. Soc.*, **91**: 39-83.
- 1965 New or little-known Tipulidae from eastern Asia (Diptera), 55. *Philipp. J. Sci.*, **93**: 427-478.
- 1965 New subgenera and species of crane-flies from California (Diptera: Tipulidae). *Pacif. Insects*, **7**: 333-386.
- 1965 Undescribed species of crane-flies from the Himalaya mountains (Diptera: Tipulidae), 10. *Jl N.Y. ent. Soc.*, **73**: 33-38.
- 1965 Tipulidae. In: Stone, A. et al. (eds): *A catalog of the Diptera of America, North of Mexico*. Washington: 16-90.
- 1966 New subgenera and species of crane-flies from California (Ptychopteridae and Tipulidae, Diptera). *Trans. Am. ent. Soc.*, **92**: 103-132.
- 1966 New or little-known Tipulidae from eastern Asia (Diptera), 56. *Philipp. J. Sci.*, **94**: 235-286. [Usually cited as 1965.]
- 1966 New species of Eriopterine crane flies from southern Asia (Tipulidae, Diptera). *Bull. Brooklyn ent. Soc.*, **59/60**: 1-22.
- 1966 The crane-fly fauna of the southern Kuriles (Tipulidae, Diptera). *Mushi*, **39**: 119-126.
- 1968 New and little-known Indian craneflies (Diptera: Tipulidae), 1. *Orient. Ins.*, **1**: 197-209.

- 1968 New or little-known species of exotic Tipulidae (Diptera), 15. *Proc. R. ent. Soc. Lond. (B)*, **37**: 43-49.
- 1968 New or little-known Tipulidae from eastern Asia (Diptera), 62. *Philipp. J. Sci.*, **96**: 29-71. [Usually cited as 1970.]
- 1968 Undescribed species of Nearctic Tipulidae (Diptera), 7. *Gt Basin Nat.*, **28**: 16-23.
- 1968 The crane-flies (Trichoceridae and Tipulidae, Diptera). *Khumbu Himal.*, **3**: 82-100.
- 1969 Undescribed species of Japanese Tipulidae (Diptera), 2. *Trans. Shikoku ent. Soc.*, **10**: 33-40.
- 1969 New or little known species of Asiatic Tipulidae (Diptera), 2. *Trans. Am. ent. Soc.*, **95**: 459-515.
- 1969 A new subfamily of winter crane flies. Diptera: Trichoceridae. *Pan-Pacif. Ent.*, **45**: 51-53.
- 1970 New or little known species of Asiatic Tipulidae (Diptera), 3. *Trans. Am. ent. Soc.*, **96**: 307-352.
- 1970 An undescribed species of Orimarga from Israel (Tipulidae, Diptera). *Bonn. zool. Beitr.*, **21**: 145-148.
- 1970 Undescribed species of Japanese Tipulidae (Diptera), 3. *Trans. Shikoku ent. Soc.*, **10**: 67-78.
- 1971 Undescribed species of Japanese Tipulidae (Diptera), 4. *Trans. Shikoku ent. Soc.*, **11**: 1-13.
- 1972 New subgenera of North American crane flies (Tipulidae, Diptera). *Ent. News*, **83**: 29-37.
- 1973 Undescribed species of crane-flies from the Himalaya mountains (Diptera: Tipulidae), 22. *Jl N.Y. ent. Soc.*, **81**: 81-86.
- 1974 New or little-known crane flies from Iran (Diptera: Tipulidae), 1. *Jl N.Y. ent. Soc.*, **82**: 279-284.
- 1975 New or little-known crane flies from Iran (Diptera: Tipulidae), 2. *Jl N.Y. ent. Soc.*, **83**: 2-9.
- 1975 New or little-known crane flies from Iran (Diptera: Tipulidae), 3. *Jl N.Y. ent. Soc.*, **83**: 121-128.
- 1975 New or little-known crane flies from Iran (Diptera: Tipulidae), 4. *Jl N.Y. ent. Soc.*, **83**: 129-138.

Alexander, C. P. (See Dahl, C. and Alexander, C. P.)

Alexander, C. P. and Alexander, M. M.

- 1967 Family Trichoceridae (Petauristidae, Melusinidae). In: Papavero, N. (ed.): *A Catalogue of the Diptera of the Americas south of the United States*. São Paulo, **3**: 1-4.
- 1973 Family Trichoceridae. In: Delfinado, M. D. and Hardy, D. E. (eds): *A Catalog of the Diptera of the Oriental Region*. Honolulu, **1**: 7-9.
- 1973 Family Tipulidae. In: Delfinado, M. D. and Hardy, D. E. (eds): *A Catalog of the Diptera of the Oriental Region*. Honolulu, **1**: 10-224.

Alexander, C. P. and Byers, G. W.

- 1981 Tipulidae. In: McAlpine, J. F., Peterson, B. V., Shewell, G. E., Teskey, H. J., Vockeroth, J. R. and Wood, D. M. (eds): *Manual of Nearctic Diptera*. Ottawa, 1: 153-190 (Agric. Can. Monogr., 27).

Alexander, C. P. and Leonard, M. D.

- 1912 A new Palaearctic Geranomyia (Tipulidae, Diptera). *Can. Ent.*, **44**: 205-207.

Alexander, M. M. (See Alexander, C. P. and Alexander, M. M.)**Am Stein, J. R.**

- 1860 Dipterologische Beiträge. *Jber. naturf. Ges. Graubünden* (N.F.), **5**: 96-101.

Arnaud, P. H. and Byers, G. W.

- 1990 Holorusia hespera, a new name for Holorusia grandis (Bergroth) (= Holorusia rubiginosa Loew) (Diptera: Tipulidae). *Myia*, **5**: 1-9.

Audouin, J. V., Blanchard, E., Doyère, L. and Edwards, H. M.

- 1836- Orthoptères, Hémiptères, Névroptères, Hyménoptères, Lépidoptères, Rhipi-
1846 ptères et Diptères. In: Cuvier, G. L. C. F. D.: *Le règne animal distribué d'après son organisation pour servir de base à l'histoire naturelle des animaux, et d'introduction à l'anatomie comparée, par une réunion de disciples de Cuvier*. Ed. 4. Les Insectes (Part 2). Paris: plates 76-182.

Báez, M. (See Oromi, P., Báez, M. and Machado, A.)**Bangerter, H.**

- 1947 Neue Eriopterini (Dipt., Tipulidae). *Mitt. schweiz. ent. Ges.*, **20**: 353-380.
1948 Neue Diptera Nematocera. *Mitt. schweiz. ent. Ges.*, **21**: 185-192.

Barnes, H. F.

- 1923 A hitherto undescribed Gonomyia Steph. *Entomologist's mon. Mag.*, **59**: 255-256.
1924 Gonomyia bispinosa Barnes; change of name. *Entomologist's mon. Mag.*, **60**: 140.

Becher, E.

- 1886 Insecten von Jan Mayen. *Beob. Erg. Österr. Polarstat. Jan Mayen*, **3**: 59-66.

Becker, T.

- 1903 Ägyptische Dipteren. *Mitt. zool. Mus. Berl.*, **2**: 67-195.
1907 Die Ergebnisse meiner dipterologischen Frühjahrsreise nach Algier und Tunis 1906. *Z. syst. Hymenopt. Dipterol.*, **7**: 225-256.
1908 Dipteren der Kanarischen Inseln. *Mitt. zool. Mus. Berl.*, **4**: 1-180.
1908 Dipteren der Insel Madeira. *Mitt. zool. Mus. Berl.*, **4**: 181-206.
1912 Note préliminaire sur un Diptère nouveau de Belgique. *Annls Soc. ent. Belg.*, **56**: 142-144.

Becker, T. and Schnabl, J.

- 1926 Dipteren von W. W. Sowinsky an den Ufern des Baikal-Sees im Jahre 1902 gesammelt. *Ent. Mitt.*, **15**: 33-46.

Beling, T.

- 1873 Acht neue Arten Deutscher zweiflügeliger Insecten. *Verh. zool.-bot. Ges. Wien*, **23**: 547-560.
 1884 Beleuchtung einiger Arten aus der Familie der Tipuliden. *Wien. ent. Ztg*, **3**: 229-238.

Bellés, X. (See Escolà, O. and Bellés, X.)**Berendt, G. C.**

- 1845 *Die im Bernstein befindlichen organischen Reste der Vorwelt gesammelt in Verbindung mit mehreren bearbeitet. Der Bernstein und die in ihm befindlichen Pflanzenreste der Vorwelt.* Danzig, **1**(2): IV+1-125.

Bergroth, E.

- 1888 On some South African Tipulidae. *Ent. Tidskr.*, **9**: 127-141.
 1888 Österreichische Tipuliden gesammelt von Prof. J. A. Palmén im Jahre 1870. *Verh. zool.-bot. Ges. Wien*, **38**: 645-656.
 1889 Über einige palaearktische Tipulidae. *Wien. ent. Ztg*, **8**: 113-126.
 1891 Beitrag zur Tipuliden-Fauna der Schweiz. *Mitt. naturf. Ges. Bern*, **1890**: 131-138.
 1907 Note sur quelques Tipulides de France. *Bull. Soc. ent. Fr.*, **1907**: 143-145.
 1908 Über eine österreichische Tipula-Art. *Wien. ent. Ztg*, **27**: 218.
 1912 A new British tipulid. *Entomologist's mon. Mag.*, **23**: 133-136.
 1913 A new genus of Tipulidae from Turkestan, with notes on other forms. *Ann. Mag. nat. Hist.*, (8) **11**: 575-584.
 1913 On some Limnobiinae from northern Europe. *Acta Soc. Fauna Flora fenn.*, **37**(6): 1-10.
 1915 Some Tipulid synonymy. *Psyche*, **22**: 54-59.
 1922 A new species of Dicranota Zett. from Denmark, with synonymical notes (Dipt., Tipulidae). *Ent. Meddr*, **14**: 17-20.

Bertrand, H.

- 1950 La nymphe de *Stygeropis pubescens* Loew (Dipt. Tipulidae). *l'Entomologiste*, **6**: 119-123.

Bezzi, M.

- 1892 Contribuzione alla fauna ditterologica della provincia di Pavia, 2. *Boll. Soc. ent. ital.*, **24**: 64-82, 97-149.
 1892 Aggiunte alla "Contribuzione alla fauna ditterologica della provincia di Pavia". *Boll. Soc. ent. ital.*, **24**: 150-151.
 1895 Contribuzioni alla fauna ditterologica Italiana, 1. Ditteri della Calabria. *Boll. Soc. ent. ital.*, **27**: 39-78.
 1900 Sulla presenza del genere *Chionea* Dalman in Italia, e la riduzione delle ali nei ditteri. *Rend. r. Ist. Lomb. Sci. Lett.*, Ser. 2, **33**: 511-526.
 1903 Alcune notizie sui ditteri cavernicoli. *Rivista ital. Spel.*, **1**: 8-16.
 1907 Ulteriori notizie sulla ditterofauna delle caverne. *Atti Soc. ital. Sci. nat.*, **46**: 177-187.
 1908 Nomenklatorisches über Dipteren, 3. *Wien. ent. Ztg*, **27**: 74-84.

- 1908 Die Chionea der Alpen. *Societas ent.*, **23**(13): 97-99.
- 1911 Biospeologica. XX. Diptères (première série) suivie d'un appendice sur les Diptères cavernicoles recueilles par le Dr Absolon dans les Balcons. *Arch. Zool. Exper. Gen.*, **5** 8(1): 1-87.
- 1913 Blefaroceridi Italiani con descrizione di una nuova forma e di due specie esotiche. *Boll. Soc. ent. ital.*, **44**(1912): 3-113.
- 1914 Ditteri cavernicoli dei Balconi raccolti dal dott K. Absolon (Brünn). *Atti Soc. ital. Sci. nat.*, **53**: 207-230.
- 1914 Sui Blefaroceridi della Nuova Zelanda con aggiunte alla precedente memoria. *Boll. Soc. ent. ital.*, **45**: 115-129.
- 1916 Riduzione e scomparsa delle ali negli insetti ditteri. *Rivista Sci. nat. "Natura"*, **7**: 85-182.
- 1918 Un nuovo genere di ditteri subatterii scoperto dal prof. A. Corti sull'Alpi della Valtellina. *Atti Soc. ital. Sci. nat.*, **57**: 19-28.
- 1919 Rinvenimento di una "Chionea" (Dipt.) nei dintorni di Torino. *Boll. Soc. ent. ital.*, **49**: 12-49.
- 1921 Ditteri di Cirenaica. *Atti Soc. ital. Sci. nat.*, **60**: 432-443.
- 1922 Materiali per lo studio della fauna Tunisina raccolti da G. e L. Doria. Ditteri. *Annali Mus. civ. Stor. nat. Genova*, **50**: 97-139.
- 1922 Contributo allo studio della fauna Libica. Ditteri di Cirenaica raccolti dal Rev. Miss. Don Vito Zanon. *Memorie Soc. ent. ital.*, **1**: 140-157.
- 1924 Una nuova Tipula delle Alpi con ali ridotte anche nel maschio (Dipt.). *Annali Mus. civ. Stor. nat. Genova*, **51**: 228-233.
- 1925 Missione del Dr. E. Festa in Cirenaica. 11. Ditteri di Cirenaica. *Boll. Mus. Zool. Anat. Comp. Univ. Torino*, **39**(18): 1-26.
- 1926 Materiali per una fauna dell'arcipelago Toscano. XVII. Ditteri del Giglio. *Annali Mus. civ. Stor. nat. Giacomo Doria*, **50**: 291-354.
- Bezzi, M. and Stefani-Perez, T. de**
- 1897 Enumerazione dei ditteri fino ad ora raccolti in Sicilia. *Nat. Siciliano*, **1897**: 25-72.
- Bierkander, C.**
- 1779 Ron, om Rot-masken. *K. svenska VetenskAkad. Handl.*, **40**: 161-164.
- Bigot, J. M. F.**
- 1854 Essai d'une classification générale et synoptique de l'ordre des insectes diptères (3e mémoire). Tribu de Tipulidii (mihi). *Annls Soc. ent. Fr.*, (3) **2**: 447-482.
- 1859 Diptères de Madagascar, 1. *Annls Soc. ent. Fr.*, (3) **7**: 115-135.
- 1861 Diptères de Sicile recueillis par M. E. Bellier de la Chavignerie et description de onze espèces nouvelles. *Annls Soc. ent. Fr.*, (3) **8**: 765-784.
- 1862 Diptères nouveaux de la Corse découverts dans la partie montagneuse de cette île par M. E. Bellier de la Chavignerie, pendant l'été de 1861. *Annls Soc. ent. Fr.*, (4) **2**: 109-114.

- 1887 Diptères [sect. v.]. In: Ministères de la Marine et de l'Instruction Publique: *Mission scientifique du Cap Horn, 1882-1883*. Paris, 6(2): 1-45.
- Bischof, J.**
- 1905 Neuropteren und Dipteren. In: Penther A. and Zederbauer, E.: Ergebnisse einer naturwissenschaftlichen Reise zum Erdschias- Dagh (Klein-Asien). *Annl'n naturh. Mus. Wien*, 20: 170-179.
- Bischoff, W.**
- 1922 Zur Kenntnis der Blepharoceriden. *Zool. Jb. Syst.*, 46: 60-120.
- 1923 2. Die belgische Liponeura (Blepharoceridae (Dipt.)) Lestages und Rousseau; nicht Liponeura cinerascens Lw., sondern eine neue Art: Liponeura belgica nov. spec. sowie einige Notizen über die paläarktischen Liponeura-Arten. *Zool. Anz.*, 58: 253-261.
- 1924 Liponeura cordata Vimmer = Liponeura brevirostris var. hetschkoi Bischoff. *Zool. Anz.*, 59: 280-281.
- 1925 Die Metamorphose der Liponeura decipiens var. (?) minor n. var. (?) (Blepharoceridae (Dipt.)) sowie tabellarische Übersichten der bisher bekannten Liponeuren als Larven, Puppen und Imagines nebst Bestimmungsschlüssel dieser. *Zool. Jb. Syst.*, 51: 329-374.
- 1928 Blepharoceriden aus Bulgarien nebst einigen Bemerkungen zu der armenischen Blepharocera. *Zool. Jb. Syst.*, 54: 449-466.
- 1930 Neues über paläarktische Blepharoceriden. *Zool. Anz.*, 92: 9-17.
- 1935 Blepharoceridae aus dem Kaukasus. *Arch. Hydrobiol.*, 28: 462-491.
- Bitsch, J.**
- 1955 Le genre Chionea (Dipt., Tipulidae). Ecologie, systématique et morphologie. *Trav. Lab. Zool. St. aquic. Grimaldi Dijon*, 1955, 11: 1-26.
- Blanchard, E.** (See Audouin, J. V., Blanchard, E., Doyère, L. and Edwards, H. M.)
- Bloch, D.**
- 1776 Beytrag zur Naturgeschichte des Kopals. *Beschäft. Berl. Ges. naturforsch. Ver.*, 2: 91-196.
- Block, H. L. von**
- 1799 Insecta. In: Becker, W. G: *Naturgeschichte des Plauischen Grundes*. Nürnberg: 95-120.
- Boersma, E. A.**
- 1977 A world check-list of the Ctenophorinae (Diptera, Tipulidae). *Versl. techn. geg. Inst. Tax. Zool. Univ. Amsterdam*, 14: 1-82.
- Boheman, C. H.**
- 1846 Ny art af släktet Chionea (C. crassipes). *Öfvers. K. svenska VetenskAkad. Förh.*, 1846: 178-179.
- Bouché, P. F.**
- 1834 *Naturgeschichte der Insekten, besonders in Hinsicht ihrer ersten Zustände als Larven und Puppen. Erste Lieferung*. Berlin: VI+1-126.

Bourne, J. D.

- 1979 Description de trois nouvelles espèces du genre *Niphadobata* (Diptera: Tipulidae) avec quelques remarques biogéographiques. *Revue suisse Zool.*, **86**: 233-249.
- 1981 Une nouvelle espèce du genre *Niphadobata* des Pyrénées françaises (Diptera: Tipulidae). *Revue suisse Zool.*, **88**: 765-767.

Bouzidi, A. (See Giudicelli, J. and Bouzidi, A.)**Bretten, S.** (See Hofsvang, T., Solem, J. O. and Bretten, S.)**Bretten, S.** (See Mendl, H., Solem, J. O. and Bretten, S.)**Brindle, A.**

- 1960 The larvae and pupae of the British Tipulinae. *Trans. Soc. Br. Ent.*, **14**: 63-114.
- 1962 Taxonomic notes on the larvae of British Diptera. 9. The family Ptychopteridae. *Entomologist*, **95**: 212-216.
- 1966 Taxonomic notes on the larvae of British Diptera. No. 24. Revisional notes. *Entomologist*, **99**: 225-227.
- 1967 The larvae and pupae of the British Cylindrotominae and Limoniinae. *Trans. Soc. Br. Ent.*, **17**: 151-216.

Brodo, F. A.

- 1967 A review of the subfamily Cylindrotominae in North America (Diptera, Tipulidae). *Kansas Univ. Sci. Bull.*, **47**: 71-115.
- 1987 A revision of the genus *Prionocera* (Diptera: Tipulidae). *Evol. Monogr.*, **8**: 1-93.

Brodsky, K. (= Brodskij, K.)

- 1930 Zur Kenntnis der Wirbellosenfauna der Bergströme Mittelasiens. 3. Blepharoceridae. 1. Imagines. *Zool. Anz.*, **90**: 129-146.
- 1935 Contribution to the knowledge of the invertebrate fauna of mountain streams of Central Asia. 1. The Issyk River. *Trudy Gosud. Sredneas. Univ., ser 8a, Zool.*, **15**: 1-112 (In Russian).
- 1936 Contribution to the knowledge of the invertebrate fauna of mountain streams of Central Asia. 4. Blepharoceridae. 2. *Trudy zool. Inst., Leningr.*, **4**: 71-105 (In Russian).
- 1954 Blepharoceridae (Diptera) of the Altai and South Primorye. *Trudy zool. Inst., Leningr.*, **15**: 229-256 (In Russian).
- 1972 *Asioreas* (gen. nov.) altaica (Brodsky) - Blepharoceridae from Mongolia. *Insects of Mongolia*, **1**: 741-750 (In Russian).
- 1972 New species and changes in the status of previously described species of Middle Asiatic Blepharoceridae (Diptera). *Ent. Obozr.*, **51**: 637-645 (In Russian) (English translation: *Ent. Rev.*, **51**: 384-389).

Brullé, A. M.

- 1832 *Expédition scientifique de Morée. Section des Sciences Physiques*, **3**(1) (Zoologie 2). Paris: 1-400.

- 1832 Mémoire sur un genre nouveau de Diptères, de la famille des Tipulaires. *Annls Soc. ent. Fr.*, (1) 1: 205-209.
- 1833 Sur le genre *Xiphura* formé aux dépens de celui de *Ctenophora* de Meigen. *Annls Soc. ent. Fr.*, (1) 2: 398-402.
- Brunetti, E.**
- 1911 New oriental *Nemocera*. *Rec. Indian Mus.*, 4: 259-316.
- 1911 Revision of the Oriental Tipulidae with descriptions of new species. *Rec. Indian Mus.*, 6: 231-314.
- 1912 Diptera Nematocera (excluding Chironomidae and Culicidae). In: Blanford, W. T. (ed.): *Fauna Brit. India, Dipt.*, 1: 1-581.
- 1913 New and interesting Diptera from the eastern Himalayas. *Rec. Indian Mus.*, 9: 255-277.
- 1918 Revision of the Oriental Tipulidae with descriptions of new species, Part 2. *Rec. Indian Mus.*, 15: 255-344.
- 1920 Catalogue of the Oriental and south Asiatic *Nemocera*. *Rec. Indian Mus.*, 17: 1-300.
- 1924 Diptera of the Siju Cave, Garo Hills, Assam, 1. Tipulidae, Tabanidae, Anthomyiidae, Acalyprate Muscidae and Phoridae. *Rec. Indian Mus.*, 26: 99-106.
- Brunhes, J.**
- 1984 Relations entre gîtes larvaires de quelques Diptères et associations végétales des toubières d'Auvergne (Massif central français). *Acta biol. mont.*, 4: 277-289.
- 1986 Un Limoniide aptère nouveau du Massif Central français: *Niphadobata arverna* n. sp. (Dipt.). *Bull. Soc. ent. Fr.*, 91: 47-52.
- Brunhes, J. and Dufour, C.**
- 1984 Les différentes étapes de la perte de l'aptitude au vol chez tipulidés et les limonidés (Diptera, Nematocera) vivant sous climat froid. *Bull. Écol.*, 15: 185-198.
- 1989 Les Tipulides (Dipt. Nematocera) de la Région Auvergne: catalogue, affinités du peuplement et principales localités étudiées. *l'Entomologiste*, 45: 225-235.
- Brunhes, J.** (See Dufour, C. and Brunhes, J.)
- Brunhes, J.** (See Thomas, A. G. B., Vaillant, F. and Brunhes, J.)
- Burghiele-Bălăcescu, A.**
- 1969 Révision des genres *Chionea* et *Niphadobata* en Europe centrale et méridionale (Dipt. Tipulidae). *Annls Soc. ent. Fr. (N.S.)*, 5: 983-1000.
- Burmeister, H. C.**
- 1829 Ueber die Gattung *Nematocera*, Meigens, *Hexatoma*, Latreille's. *Entom. Arch.*, 2(1): 35-36.
- Byers, G. W.**
- 1961 The crane fly genus *Dolichocheza* in North America. *Univ. Kans. Sci. Bull.*, 42: 665-924.

- 1963 Type specimens of North American Tipulidae (Diptera) described by Francis Walker. *J. Kans. ent. Soc.*, **36**: 146-161.
- 1983 The crane fly genus *Chionea* in North America. *Univ. Kans. Sci. Bull.*, **52**: 59-195.
- Byers, G. W.** (See Alexander, C. P. and Byers, G. W.)
- Byers, G. W.** (See Arnaud, P. H. and Byers, G. W.)
- Caspers, N.**
- 1980 *Molophilus franzi* sp. n., eine neue Limoniide aus dem Hunsrück (Diptera, Nematocera). *Spixiana*, **3**: 137-139.
- 1983 Sukzessionsanalyse des Makrozoobenthos eines neu angelegten stehenden Gewässers. *Arch. Hydrobiol., Suppl.*, **65**: 300-370.
- Caspers, N. and Noll, R.**
- 1981 Beitrag zur Kenntnis der Limoniidae, Trichoceridae und Tipulidae des Naturparks Kottenforst-Ville (Insecta, Diptera, Nematocera). *Decheniana*, **134**: 197-214.
- Cederhielm, J.**
- 1798 *Faunae Ingricae Prodomus exhibens methodicam descriptionem Insectorum agri petropotensis praemissa mammaliam, avium, amphibiorum et piscium enumeratione*. Lipsiae [= Leipzig]: XVIII+1-348.
- Chandler, P. J.** (See Stubbs, A. E. and Chandler, P. J.)
- Chernov, Y. I.** (See Lantsov, V. I. and Chernov, Y. I.)
- Chiswell, J. R.**
- 1956 A taxonomic account of the last instar larvae of some British Tipulinae (Diptera: Tipulidae). *Trans. R. ent. Soc. Lond.*, **108**: 409-484.
- Christian, E.**
- 1980 Eine neue Schneefliege aus der *Chionea*-Verwandtschaft: *Niphadobata austriaca* n. sp. (Dipt.: Tipulidae). *Z. Arbgem. öst. Ent.*, **32**: 77-79.
- Cockerell, T. D. A.**
- 1917 New Tertiary Insects. *Proc. U.S. natn. Mus.*, **52**: 373-384.
- Coe, R. L.**
- 1950 Family Tipulidae. *Handbk Ident. Br. Insects*, **9**(2): 1-66.
- 1958 Diptera taken in Yugoslavia from May to July, 1955, with localities and notes. *Bull. Mus. Hist. nat. Belgrade (B)*, **12**: 181-209.
- 1960 A further collection of Diptera from Yugoslavia, with localities and notes. *Bull. Mus. Hist. nat. Belgrade (B)*, **16**: 43-67.
- Coquillett, D. W.**
- 1898 Report on a collection of Japanese Diptera, presented to the U.S. National Museum by the Imperial University of Tokyo. *Proc. U.S. natn. Mus.*, **21**: 301-340.
- 1899 Order Diptera. In: Jordan, D. S.: *The fur seals and fur-seal islands of the North Pacific Ocean*. Washington, **4**: 341-346.
- 1900 Papers from the Harriman Alaska expedition. 9. Entomological results (3): Diptera. *Proc. Wash. Acad. Sci.*, **2**: 389-464.

- 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.
- Craig, D. A.** (See Exner, K. and Craig, D. A.)
- Cramer, E.**
- 1968 Die Tipuliden des Naturschutzparkes Hoher Vogelsberg. *Dt. ent. Z. (N.F.)*, **15**: 133-232.
- Crampton, G. C.**
- 1926 A phylogenetic study of the thoracic sclerites of the Psychodoid Diptera with remarks on the relationships of the nematocera. *Ent. News*, **37**: 33-38, 65-70.
- 1926 The external anatomy of the primitive Tanyderid Dipteran *Macrochile spectrum* Loew, preserved in Baltic Amber. *Bull. Brooklyn ent. Soc.*, **21**: 1-14.
- Crisp, G. and Lloyd, L.**
- 1954 The community of insects in a patch of woodland mud. *Trans. R. ent. Soc. Lond.*, **105**: 269-313.
- Curran, C. H.**
- 1923 Studies in Canadian Diptera. II. The genera of the family Blephariceridae. *Can. Ent.*, **55**: 266-269.
- Curtis, J.**
- 1825 *British Entomology*. London, **2**: pls. 51-98.
- 1833 *British Entomology*. London, **10**: pls. 434-481.
- 1834 *British Entomology*. London, **11**: pls. 482-529.
- 1835 Descriptions, andc. of the insects brought home by commander James Clark Ross, R. N., F. R. S., andc. In: Ross, J.: *Appendix to the narrative of a second voyage in search of a north-west passage and of a residence in the arctic regions during the years 1829, 1830, 1831, 1832, 1833*. London: LIX-LXXX.
- 1835 *British Entomology*. London, **12**: pls. 530-577.
- 1836 *British Entomology*. London, **13**: pls. 578-625.
- Cutten, F. and Kevan, D. K. McE.**
- 1970 The Nymphomyiidae (Diptera), with special reference to *Palaedipteron walkeri* Ide and its larva in Quebec, and a description of a new genus and species from India. *Can. J. Zool.*, **48**: 1-24.
- Czerny, L. and Strobl, P. G.**
- 1909 Spanische Dipteren. 3. Beitrag. *Verh. zool.-bot. Ges. Wien*, **59**: 121-301.
- Czižek, K.**
- 1911 Tipulidae Moravicae (Die Mährischen Schnaken). *Z. mähr. Landesmus.*, **11**: 1-90.
- 1912 *Tipula decipiens* n.sp. (Dipt.). *Wien. ent. Ztg*, **31**: 171-174.
- 1912 Eine neue österreichische Tipula. *Verh. zool.-bot. Ges. Wien*, **62**: 49-54.

- 1913 Tipulidae Moravicae (Die Mährischen Schnaken), 2. Teil. *Z. mähr. Landesmus.*, **13**: 53-178.
- 1919 Die mährischen Formen der Dipterenfamilie Liriopidae. *Z. mähr. Landesmus.*, **17**: 1-16.
- 1931 Die mährischen Arten der Dipterenfamilien Limoniidae und Cylindrotomidae. *Z. mähr. Landesmus.*, **28**: 1-207.
- Dahl, C.**
- 1957 Die Gattung Trichocera in Spitzbergen, Bäreninsel und Jan Mayen (Dipt.). *Opusc. ent.*, **22**: 227-237.
- 1960 Trichocera arctica Lundström (Dipt. Nematoc.), new to North America. *Opusc. ent.*, **25**: 150-152.
- 1965 Studies on swarming activity in Trichoceridae (Dipt.) in southern Sweden. *Opusc. ent., Suppl.*, **27**: 1-68.
- 1966 Trichoceridae aus Bayern nebst Beschreibung einer neuen Art (Dipt. Nematocera). *Beitr. Ent.*, **16**: 271-273.
- 1966 Notes on the taxonomy and distribution of Swedish Trichoceridae (Dipt. Nemat.). *Opusc. ent.*, **31**: 93-118.
- 1967 Notes on Arctic and Subarctic Trichoceridae (Dipt. Nem.) from Canada, Alaska and Greenland. *Opusc. ent.*, **32**: 49-78.
- 1967 Additional notes on the taxonomy and distribution of Swedish Trichoceridae. *Opusc. ent.*, **32**: 188-200.
- 1968 Taxonomy and distribution of Trichoceridae from Finland and adjacent areas of the USSR. *Opusc. ent.*, **33**: 365-370.
- 1969 A revision of the Trichoceridae (Dipt. Nemat.) in coll. Siebke, Norway. *Opusc. ent.*, **34**: 130-131.
- 1969 The influence of light, humidity and temperature on Trichoceridae (Dipt.). *Oikos*, **20**: 409-430.
- 1970 Distribution, phenology and adaptation to arctic environment in Trichoceridae (Dipt. Nemat.). *Oikos*, **21**: 185-202.
- 1971 Trichoceridae (Dipt.) from the Baltic Amber. *Ent. scand.*, **2**: 29-40.
- 1973 Notes on the arthropod fauna of Spitsbergen III. 14. Trichoceridae (Dipt.) of Spitsbergen. *Annls ent. fenn.*, **39**: 49-59.
- 1975 Trichocera Meigen: 1803: Proposed addition to the Official List of Generic Names in Zoology (Insecta: Diptera). Z.N. (S.) 1407. *Bull. zool. Nom.*, **32**: 41-42.
- 1975 Atractocera Meigen: 1803 (Diptera): Designation of a genus type-species. Z.N. (S.) 2092. *Bull. zool. Nom.*, **32**: 43-44.
- 1976 Description of three new species of Trichoceridae (Diptera, Nematocera) from northern Sweden and the Alps. *Ent. scand.*, **7**: 59-65.
- 1980 Comparison of postembryonic organization of the genital segments in Trichoceridae, Tipulidae, and Anisopodidae (Diptera, Nematocera). *Zool. Scripta*, **9**: 165-185.

Dahl, C. and Alexander, C. P.

- 1976 A world catalogue of Trichoceridae Kertész, 1902 (Diptera). *Ent. scand.*, 7: 7-18.

Dale, J. C.

- 1842 Descriptions, &c. of a few rare and undescribed species of British Diptera, principally from the collection of J. C. Dale, Esq., M. A., F. L. S., &c. *Ann. Mag. nat. Hist.*, (1) 8: 430-433.

Dalman, J. W.

- 1816 Försök till systematisk uppställning af Sveriges fjärilar Chionea araneoides, ett nytt inländskt insekt af Tvaningarnes Ordning. *K. svenska VetenskAkad. Handl.*, (3) 19: 48-101, 102-105.

De Geer, C.

- 1776 *Mémoires pour servir à l'histoire des Insectes*. Stockholm, 6: VIII+1-523.
1778 *Mémoires pour servir à l'histoire des Insectes*. Stockholm, 7: XII+1-950.

Dia, A. (See Thomas, A. G. B. and Dia, A.)**Dia, A. and Theowald, Br.**

- 1982 *Tipula (Vestiplex) relictata* nov. spec., ein frühpleistozänes Relikt aus Libanon (Diptera, Tipulidae). *Bull. zool. Mus. Univ. Amsterdam*, 9: 21-24.

Dienske, J. W.

- 1987 An illustrated key to the genera and subgenera of the western palaearctic Limoniidae (Insecta, Diptera) including a description of the external morphology. *Stuttg. Beitr. Naturk. (A)*, No 409: 1-52.

Dietz, W. G.

- 1915 Two new Tipulidae from northern Alberta. *Can. Ent.*, 47: 329-332.
1916 Synoptical table of the North American species of Ormosia Rondani (*Rhypholophus Kolenati*), with descriptions of new species (Diptera). *Trans. Am. ent. Soc.*, 42: 135-146.

Doane, R. W.

- 1900 New north American Tipulidae. *Jl N.Y. ent. Soc.*, 8: 182-198.
1901 Descriptions of new Tipulidae. *Jl N.Y. ent. Soc.*, 9: 97-127.
1908 New species of the tipulid genus *Rhypholophus*, with a table for determining the North American species. *Ent. News*, 19: 200-202.

Dodonov, B.

- 1925 Eine neue Pachyrhina-Art aus Persien. *Konowia*, 4: 108-109.
1926 Zwei neue Pachyrhina-Arten aus Turkestan (Dipt.: Tipulidae). *Ent. Mitt.*, 15: 106-108.

Doleschall, C. L.

- 1857 Tweede bijdrage tot de kennis der Dipterologische fauna van Nederlandsch Indië. *Natuurk. Tijdschr. Ned.-Indië*, 14: 377-418.

Doyère, L. (See Audouin, J. V., Blanchard, E., Doyère, L. and Edwards, H. M.)

Dufour, C.

- 1981 *Tipula* (*Pterelachisus*) *padana* sp.n. from southern Switzerland (Ticino, Valais) and northern Italy (Diptera: Tipulidae). *Ent. Ber., Amst.*, **41**: 125-128.
- 1982 *Tipula* (*Pterelachisus*) *sauteri* sp. n. from Valais in Huguenin's collection (Diptera, Tipulidae). *Mitt. schweiz. ent. Ges.*, **55**: 313-315.
- 1983 *Tipula* (*Savtshenkia*) *tulipa* sp. n. from xerothermic valleys of the Swiss Alps (Diptera: Tipulidae). *Mitt. schweiz. ent. Ges.*, **56**: 275-281.
- 1984 *Tipula* (*Vestiplex*) *carolae* sp. n., a high alpine species of the excisa group (Diptera, Tipulidae). *Mitt. schweiz. ent. Ges.*, **57**: 79-84.
- 1986 Les Tipulidae de Suisse. Doc. Faun. Helvetiae, **2**: 1-187, fiches 1-149.

Dufour, C. (See Brunhes, J. and Dufour, C.)

Dufour, C. (See Theowald, Br. and Dufour, C.)

Dufour, C. (See Theowald, Br., Dufour, C. and Oosterbroek, P.)

Dufour, C. and Brunhes, J.

- 1984 Les Tipulidae brachyptères de la région paléarctique occidentale avec les descriptions des femelles holoptères de *Tipula* (*Savtshenkia*) *gimmerthali* Lackschewitz et de *Tipula* (*Pterelachisus*) *luteipennis agilis* ssp. n. (Diptera, Tipulidae). *Mitt. schweiz. ent. Ges.*, **57**: 133-151.

Edwards, F. W.

- 1912 The Percy Sladen Trust expedition to the Indian Ocean in 1905, under the leadership of Mr J. Stanley Gardiner, M. A., 4, (14), Diptera, Tipulidae. *Trans. Linn. Soc. Lond.*, (2) **15**: 195-214.
- 1913 Tipulidae and Culicidae from the Lake of Tiberias and Damascus. *J. Proc. asiat. Soc. Beng. (N.S.)*, **9**: 47-51.
- 1914 A revision of the Tipulid genus *Styringomyia*, Lw. *Trans. R. ent. Soc. Lond.*, **1914**: 206-227.
- 1916 New Tipulidae from the Malay Peninsula. *Ann. Mag. nat. Hist.*, (8) **17**: 349-362.
- 1916 New and little-known Tipulidae, chiefly from Formosa. *Ann. Mag. nat. Hist.*, (8) **18**: 245-269.
- 1920 A new *Trichocera* from Siberia (Diptera Polyneura). *Ann. Mag. nat. Hist.*, (9) **5**: 431-432.
- 1921 British Limnobiidae: Some records and corrections. *Trans. R. ent. Soc. Lond.*, **1921**: 196-230.
- 1921 Seven new species of *Pselliophora* (Diptera, Tipulidae). *Ann. Mag. nat. Hist.*, (9) **7**: 373-378.
- 1921 The Old-World species of *Eriocera* in the British Museum collection (Diptera, Tipulidae). *Ann. Mag. nat. Hist.*, (9) **8**: 67-99.
- 1921 New and little-known Tipulidae, chiefly from Formosa, 2. *Ann. Mag. nat. Hist.*, (9) **8**: 99-115.
- 1922 *Deuterophlebia mirabilis*, gen. et sp. n., a remarkable Dipterous insect from Kashmir. *Ann. Mag. nat. Hist.*, (9) **9**: 379-387.

- 1924 Notes on some British species of *Tipula*. *Entomologist's mon. Mag.*, **60**: 81-85.
- 1926 On some crane-flies from French Indo-China. *Encycl. ent. (B II) Dipt.*, **3**: 48-55.
- 1926 Additions to the list of British crane-flies. *Entomologist's mon. Mag.*, **12**: 31-35.
- 1927 New Indian Tipulidae (Diptera). *Ann. Mag. nat. Hist.*, (9) **20**: 225-230.
- 1927 Some nematocerous Diptera from Ceylon. *Spolia zeylan.*, **14**: 117-128.
- 1928 Some nematocerous Diptera from Yunnan and Tibet. *Ann. Mag. nat. Hist.*, (10) **1**: 681-703.
- 1928 The nematocerous Diptera of Corsica. *Encycl. ent. (B II) Dipt.*, **4**: 157-189.
- 1928 Diptera Fam. Trichoceridae. In: Wytzman: *Genera Insectorum*, Fasc. **190**: 30-37.
- 1931 Some suggestions on the classification of the genus *Tipula* (Diptera, Tipulidae). *Ann. Mag. nat. Hist.*, (10) **8**: 73-82.
- 1933 Diptera Nematocera from Mount Kinabalu. *J. fed. Malay St. Mus.*, **17**: 223-296.
- 1936 The British species of *Ilisia* (Diptera, Tipulidae). *Entomologist*, **69**: 218-219.
- 1938 British short-palped craneflies. Taxonomy of adults. *Trans. Soc. Br. Ent.*, **5**: 1-168.
- 1938 A new species of the genus *Nephrotoma* Mg with notes on the species of the *flavescens* group (Diptera, Tipulidae). *Encycl. ent. (B II) Dipt.*, **9**: 97-101.
- 1939 Additions to the list of British crane-flies. *Entomologist's mon. Mag.*, **75**: 241-249.
- Edwards, H. M.** (See Audouin, J. V., Blanchard, E., Doyère, L. and Edwards, H. M.)
- Egger, J.**
- 1863 Dipterologische Beiträge. *Verh. zool.-bot. Ges. Wien*, **13**: 1101-1110.
- Eiroa (Alvarez), M. E.**
- 1988 Inventario dos Tipulidos de Galicia (Insecta: Diptera: Tipulidae). *Cadern. Area Cienc. biol. Invent.*, **3**: 1-29.
- 1989 Descripción de *Tipula* (*Lunatipula*) *gallaeca* n.sp. de la Península Ibérica (Diptera, Tipulidae). *Nouv. Revue Ent. (N.S.)*, **6**: 37-39.
- 1989 Nuevos datos sobre la distribución de Tipulidos en la Península Ibérica (Diptera, Tipulidae). *Eos*, **65**: 25-29.
- Eiroa (Alvarez), M. E. and Novoa, F.**
- 1985 Citas interesantes de Tipulidae (diptera) ibéricos. *Bol. Soc. port. Ent., Supl.*, **1**: 135-140.
- El-Bialy, S.** (See Steyskal, G. C. and El-Bialy, S.)

Enderlein, G.

- 1912 Studien über die Tipuliden, Limoniiden, Cylindrotomiden und Ptychopteriden. *Zool. Jb. Syst.*, **32**: 1-88.
- 1921 Dipterologische Studien, 17. *Zool. Anz.*, **52**: 219-232.
- 1934 Entomologische Ergebnisse der Deutsch-Russischen Alai-Pamir-Expedition 1928 (III). *Dt. ent. Z.*, **1933**: 129-146.
- 1936 Zweiflügler, Diptera. *Tierwelt Mitteleurop.*, 6(2), Ins., 3(16): 1-259.
- 1937 Notizen zur Klassifikation der Blepharoceriden (Diptera). *Mitt. dt. ent. Ges.*, **7** (1936): 42-43.
- 1940 Die Dipterenfauna der Juan-Fernandez-Inseln und der Oster-Insel. In: Skottsberg, C.: *The Natural History of Juan Fernandez and Easter Islands*, *Zool.*, (3) **60**: 643-680.

Erhan (Dincă), E.

- 1962 Date noi cu privire la fauna de Tipuline (Diptera-Tipulidae) din R.P.R. *Studii Cerc. Biol., Ser. Biol. Anim.*, **14**: 91-109.
- 1962 Contributii la studiul faunei de Tipulinae (Diptera-Tipulidae) din R.P.R. *Studii Cerc. Biol., Ser. Biol. Anim.*, **14**: 351-370.
- 1971 Noi specii de Tipulinae (Diptera-Tipulidae) din fauna Romaniei. *Studii Cerc. Biol., Ser. Zool.*, **23**: 537-550.
- 1973 Noi contributii la cunoasterea Tipulinelor (Diptera-Tipulidae) din Romania. *Studii Cerc. Biol., Ser. Zool.*, **25**: 437-445.
- 1976 Contributii la studiul Tipulinelor din subgenul Lunatipula (Diptera-Tipulidae) din Romania. *Studii Cerc. Biol., Ser. Biol. Anim.*, **28**: 13-20.
- 1984 Some new or little known species of the Limoniidae (Diptera-Nematocera) fauna of Romania. *Trav. Mus. Hist. nat. Grigore Antipa*, **26**: 163-183.
- 1985 *Gonomyia* (s. str.) *marini* n. sp. *Trav. Mus. Hist. nat. Grigore Antipa*, **27**: 183-185.
- 1986 Contributii la cunoasterea faunei de Limoniidae (Diptera) din Nordul Carpatilor orientali ai Romaniei. *Lucrarile celei de a III-a Conferinta de Entomologia, Iasi*, **1983**: 85-92.
- 1986 Genul *Symplecta* (Diptera-Nematocera) in R. S. Romania. *Lucrarile celei de a III-a Conferinta de Entomologia, Iasi*, **1983**: 93-98.
- 1986 Contributii la cunoasterea faunei de Tipulidae din R. S. Romania. *Lucrarile celei de a III-a Conferinta de Entomologia, Iasi*, **1983**: 99-105.

Erhan (Dincă), E. and Theowald, Br.

- 1961 Tipulidae of Roumania (Dipt., Nematocera). *Ent. Ber., Amst.*, **21**: 245-252.

Erichson, W. F.

- 1851 Insekten. In: Ménétériés, E.: *Dr. A. Th. v. Middendorff's Reise in den äussersten Norden und Osten Sibiriens, Wirbellose Thiere*. St. Petersburg, **2**(1): 45-76.

Esaki, T.

- 1950 *Diptera. Iconographia Insectorum Japonicorum*, Ed. 2: Hokuryukan, Tokyo.

Escolà, O. and Bellés, X.

- 1977 Sobre el gènere *Niphadobata* Enderlein a la Península Ibèrica. *Biospeleologia*, 1977: 65-68.

Exner, K. and Craig, D. A.

- 1976 Larvae of Alberta Tanyderidae, Diptera: Nematocera. *Quaest. ent.*, 12: 219-237.

Fabricius, J. C.

- 1775 *Systema entomologiae, sistens insectorum classes, ordines, genera, species adiectis synonymis, locis, descriptionibus, observationibus*. Flensburgi et Lipsiae [= Flensburg and Leipzig]: 1-832.
- 1779 *Reise nach Norwegen mit Bemerkungen aus der Naturhistorie und Oekonomie*. Hamburg: LXIV+1-388.
- 1782 *Species insectorum exhibentes eorum differentias specificas, synonyma, auctorum, loca natalia, metamorphosin adiectis observationibus, descriptionibus*. Hamburgi et Kilonii [= Hamburg and Kiel], 2: 1-517. [Usually cited as 1781.]
- 1787 *Mantissa insectorum sistens species nuper detectas adiectis characteribus, genericis, differentiis, specificis, emendationibus, observationibus*. Hafniae [= Copenhagen], 2: 1-382.
- 1794 *Entomologia systematica emendata et aucta. Secundum classes, ordines, genera, species, adiectis synonymis, locis observationibus, descriptionibus*. Hafniae [= Copenhagen], 4: VIII+1-472.
- 1798 *Supplementum entomologiae systematicae*. Hafniae [= Copenhagen]: 1-572.
- 1805 *Systema antliatorum secundum ordines, genera, species, adiectis synonymis, locis observationibus, descriptionibus*. Brunsvigae [= Brunswick]: XIV+15-372+30.

Ferris, G. F. (See Rees, B. E. and Ferris, G. F.)**Fourcroy, A. F. de**

- 1785 *Entomologia Parisiensis*. Paris, 2: 233-544.

Franz, H.

- 1989 *Diptera Orthorapha*. In: *Die Nord-Ost Alpen im Spiegel ihrer Landtierwelt*. Innsbruck, 6(1): 1-413.

Freeman, P.

- 1951 The British species of *Tasiocera* Skuse (Diptera, Tipulidae). *Proc. R. ent. Soc. Lond. (B)*, 20: 29-36.

Frey, R.

- 1921 Beschreibung einer neuen *Pedicia*-Art aus dem nördlichen Europa. *Notul. ent.*, 1: 110-112.

- 1933 Bidrag till kännedomen om Finlands harkrankar (Dipt.). *Mem. Soc. Fauna Flora fenn.*, 9: 29-31.
- 1959 Finlands Ptychopterider (Dipt. Nemat.). *Acta Soc. Fauna Flora fenn.*, 34 (1957-1958): 85-86.
- Frey, R.** (See Lundström, C. and Frey, R.)
- Frommer, S. I.**
- 1963 Gross morphological studies of the reproductive system in representative North American crane flies (Diptera: Tipulidae). *Univ. Kansas Sci. Bull.*, 44: 535-625.
- Gachet, M.**
- 1967 Un Diptère Limoniidae nouveau et ses premier stades. *Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble*, 57/58: 51-55.
- Geiger, W.**
- 1983 *Dicranomyia* (Salebriella) pauli sp. n. from western Europe (Diptera Nematocera, Limoniidae). *Revue suisse Zool.*, 90: 639-642.
- 1985 Limoniidae (Diptera), sous-famille Limoniinae de Suisse: synonymies nouvelles. *Mitt. schweiz. ent. Ges.*, 58: 69-76.
- 1985 Two new species of *Dicranomyia* Stephens, 1829, with notes on related species (Diptera, Limoniidae). *Bull. zool. Mus. Univ. Amsterdam*, 10: 53-60.
- 1986 Bibliographie raisonnée des Limoniidae (Diptera Nematocera) de la zone Palaearctique ouest. (Publications 1900-1982). 1. Sous-famille Limoniinae. *Bull. Romand ent.*, 4: 3-121.
- 1986 Diptera Limoniidae 1: Limoniinae. *Insecta Helvetica, Catalogus*, 5: 1-66, 84 fiches.
- 1986 Diptera Limoniidae 1: Limoniinae. *Insecta Helvetica, Fauna*, 8: 1-131.
- Geiger, W.** (See Starý, J. and Geiger, W.)
- Gelhaus, J. K.**
- 1986 Larvae of the crane fly genus *Tipula* in North America (Diptera: Tipulidae). *Univ. Kans. Sci. Bull.*, 53: 121-182.
- Geoffroy, M.**
- 1799 *Histoire abrégé des Insectes, Nouvelle Édition*. Paris, 2: 1-734.
- Georgian, T.** (See Hogue, C. L. and Georgian, T.)
- Gérard, M.**
- 1968 *Pilaria ripicola* n.sp. Morphologie de la larve, de la nymphe et de l'imago. Anatomie de la larve. *Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble*, 59/60: 165-184.
- Gimmerthal, B. A.**
- 1834 Observations de quelques nouvelles especes de Diptères. *Bull. Soc. nat. Moscou*, 7: 98-121.
- 1847 Vierter Beitrag zur Dipterologie Russlands. *Bull. Soc. nat. Moscou*, 20(2): 140-208.

Giudicelli, J.

- 1963 Les Blépharocérides endémiques de la Corse. Description d'une espece nouvelle (Diptera, Blepharoceridae). *Bull. Soc. zool. Fr.*, **88**: 378-387.
- 1963 Présence du genre *Dioptopsis* Enderlein (Diptera, Blepharoceridae) en Corse. Description de *Dioptopsis vernus*, n. sp. *Bull. Soc. zool. Fr.*, **88**: 591-600.
- 1965 Nouvelle contribution a la connaissance des Blépharocérides (Dipt., Nematocera) de la Corse. A propos des especes récoltées en 1928 par F.W. Edwards. *Annls Soc. ent. Fr. (N.S.)*, **1**: 363-371.
- 1970 Les stades préimaginaux des Blépharocérides (Diptera, Nematocera) de Corse. Étude taxonomique et écologique. *Annls Limnol.*, **6**: 87-100.

Giudicelli, J. and Bouzidi, A.

- 1987 Les Blépharicérides (Diptera) du Maroc. Taxonomie et écologie. *Vie Milieu*, **37**: 201-206.

Giudicelli, J. and Lavandier, P.

- 1975 Les Blépharocérides de la vallée d'Aure (Hautes-Pyrénées, France). Systématique et écologie (Dipt., Nematocera). *Annls Limnol.*, **10**(1974): 245-261.

Gmelin, J. F.

- 1790 *Caroli a Linné. Systema naturae per regna tria naturae secundum classes, ordines, genera, species, cum caracteribus, differentiis, synonymis, locis.* Ed. 13, Lipsiae [= Leipzig], **1**(5): 2225-3020.

Goetghebuer, M.

- 1924 Notes additionnelles au catalogue des Tipulidae de Belgique. *Bull. Soc. ent. Belg.*, **6**: 83-85.
- 1929 Une espèce nouvelle de *Molophilus* (Dipt. Limnobiidae). *Bull. Ann. Soc. ent. Belg.*, **69**: 240-241.
- 1930 Aspects de la faune entomologique de la région du Bas-Escaut. *Mém. Soc. ent. Belg.*, **23**: 147-162.
- 1931 Les Diptères du Plateau des Hautes-Fagnes. *Bull. Ann. Soc. ent. Belg.*, **71**: 171-182.
- 1934 Diptères Némocères de la zone littorale de Belgique. *Bull. Ann. Soc. ent. Belg.*, **74**: 35-48.
- 1940 Diptères Némocères de la Campine. *Bull. Ann. Soc. ent. Belg.*, **80**: 105-117.
- 1943 Faunule Dipterologique des bois en Flandre. *Biologisch Jaarboek*, **10**: 56-70.

Goetghebuer, M. and Tonnoir, A. L.

- 1920 Catalogue raisonné des Tipulidae de Belgique. *Bull. Soc. ent. Belg.*, **2**: 104-112, 131-147.
- 1921 Catalogue raisonné des Tipulidae de Belgique (Suite). *Bull. Soc. ent. Belg.*, **3**: 47-58, 105-125.

Gravenhorst, J. L. C.

- 1807 *Vergleichende Uebersicht des Linneischen und einiger neueren zoologischen Systeme*. Göttingen: XX+1-476.

Grimshaw, P. H.

- 1901 *Diptera. Fauna hawaii.*, 3: 1-77.

Grootaert, P.

- 1984 Redescription of *Niphadobata belgica* (Becker, 1912) comb. nov. (Diptera: Tipulidae), a snowfly from low altitudes in Belgium. *Annls Soc. r. zool. Belg.*, 114: 241-247.

Grünberg, K.

- 1903 Eine neue Tipulidengattung *Idiophlebia* nov. gen. von der Farolinen. *Zool. Anz.*, 26: 524-528.

Guérin-Ménéville, F. E.

- 1831 Insectes. In: Duperrey, L. I. (ed.): *Voyage autour du monde sur la corvette de sa majesté La Coquille etc. Zoologie Atlas*. Paris: plates 1-21.
1838 Première division. Crustacés, arachnides et insectes. Div. 1, 1-216, 217-319 (=livrs. 25, 26) In: Duperrey, L. I. (ed.): *Voyage autour du monde sur la corvette de sa majesté La Coquille etc. Zoologie*. Paris, 2(2): 1-319.

Guérin-Ménéville, F. E. (See Latreille, P. A., Lepeletier, A. L. M., Serville, J. G. A. and Guérin-Ménéville, F. E.)**Gulicka, J.**

- 1966 Die Blepharoceriden (Diptera) Mittel und Südeuropas und des Kaukasus. *Sb. slov. narod. Muz.*, 12: 45-150.

Gullefors, B. (See Mendl, H. and Gullefors, B.)**Hackman, W.**

- 1980 A check list of the Finnish Diptera. 1. Nematocera and Brachycera (s. str.). *Notul. ent.*, 60: 17-48.

Halgoš, J. (See Jedlička, L. and Halgoš, J.)**Haliday, A. H.**

- 1833 Catalogue of the Diptera occurring about Holywood in Downshire. *Ent. Mag.*, 1: 147-180.

Hancock, E. G.

- 1988 A crane fly, *Tipula* (*Savtshenkia*) *invenusta* Riedel (Diptera: Tipulidae), new to the British Isles. *Entomologist*, 107: 96-98.

Handlirsch, A.

- 1909 Zur Phylogenie und Flügelmorphologie der Ptychopteriden (Dipteren). *Annln naturh. Mus. Wien*, 23: 263-272.

Hansen, H. J.

- 1881 Faunula Insectorum Faeroeensis. *Naturh. Tidsskr.*, (3) 13: 229-280.

Harris, M.

- 1776- *An exposition of English insects with curious observations and remarks*.
1780 London: 1-166+8.

Hartig, F.

- 1971 Contributo alla conoscenza dei Tipulidi e Limoniidi in Italia. *Entomologica*, **7**: 123-135.

Heer, O.

- 1865 Die Fliegen 6. *Urwelt der Schweiz*. Zürich: 393-396.

Hendel, F.

- 1908 Nouvelle classification des mouches à deux ailes (Diptera L.). D'après un plan tout nouveau par J. G. Meigen, Paris, an VIII (1800 v.s.). Mit einem Kommentar. *Verh. zool.-bot. Ges. Wien*, **58**: 43-69.

Hennig, W.

- 1948 *Die Larvenformen der Dipteren*. Berlin, **1**: 1-185.
1973 Diptera (Zweiflügler). *Handbuch der Zoologie*, **4** (2) 2/31: 1-337.

Herbst, J. F. W.

- 1784 *Kurze Einleitung zur Kenntniss der Insekten für Ungeübte und Anfänger*. Berlin, **6**: 1-278.

Hetschko, A.

- 1912 Biologisches über *Apistomyia elegans* Big. (Dipt., Blepharoc.). *Wien. ent. Ztg*, **31**: 305-307.

Heijerman, T.

- 1987 De sneeuwmug *Niphadobata belgica* (Becker, 1912) in Nederland (Diptera: Tipulidae). *Ent. Ber., Amst.*, **47**: 113-118.

Hincks, W. D. (See Kloet, G. S. and Hincks, W. D.)**Hofsvang, T.**

- 1974 Tipulidae (Diptera) from a high mountain area, Finse, South Norway. *Norsk ent. Tidsskr.*, **21**: 1-4.
1981 The species of the subgenus *Tipula* L. (Dipt., Tipulidae) in Norway. *Fauna norv., Ser. B*, **28**: 93-95.
1986 Stankelben. *Norske Insekttabeller*, **10**: 1-84.
1987 Four species of Tipulidae (Diptera) new to Norway. *Fauna norv., Ser. B*, **34**: 92.

Hofsvang, T., Solem, J. O. and Bretten, S.

- 1987 Distribution and season abundance of adult Tipulidae (Diptera) in the Dovrefjell National Park, south Norway. *Fauna norv., Ser. B*, **34**: 51-56.

Hogue, C. L.

- 1973 Family Blephariceridae. In: Delfinado, M. D. and Hardy, D. E. (eds): *A Catalog of the Diptera of the Oriental Region*. Honolulu, **1**: 258-260.
1973 The net-winged midges or Blephariceridae of California. *Bull. Calif. Insect Survey*, **15**: 1-84.
1978 The net-winged midges of eastern North America, with notes on new taxonomic characters in the family Blephariceridae (Diptera). *Contr. Sci.*, No. **291**: 1-41.

- 1982 Revised status of net-winged midges of the genus *Bibiocephala* in North America based on a study of quantitative variation in the males (Diptera: Blephariceridae). *Contr. Sci.*, No. 338: 1-16.
- 1987 Blephariceridae. In: Griffiths, G. C. D. (ed.): *Flies of the Nearctic Region*, 2(4): 1-172.
- Hogue, C. L. and Georgian, T.**
- 1986 Recent discoveries in the *Blepharicera tenuipes* group, including descriptions of two new species from Appalachia (Diptera: Blephariceridae). *Contr. Sci.*, No. 377: 1-20.
- Hollander, J. den**
- 1975 *Tipula* (*Tipula*) *plumbea* Fabricius, 1781: Designation of a neotype. *Bull. zool. Mus. Univ. Amsterdam*, 4: 53-58.
- Holmgren, A.**
- 1883 *Insecta a viris doctissimis Nordenskiöld illum ducum sequentibus in insulis Waigatsch et Novaja Semlia anno 1875 collecta. Hymenoptera et Diptera. Ent. Tidskr.*, 4: 143-190.
- Host, N.**
- 1789 Entomologica. In: Jacquin, J. von: *Collectanea*, 3: 291-302.
- Hubault, É.**
- 1927 Contribution à l'étude des invertébrés torrenticoles. *Bull. biol. Fr. Belg., Suppl.*, 9: 1-388.
- Huguenin, G.**
- 1888 Diptera, Familie Tipulidae Schiner. *Fauna insectorum helvetiae*. Schaffhausen: 1-73.
- Hutson, A. M. and Stubbs, A. E.**
- 1974 *Limonia* (*Dicranomyia*) *omissinervis* de Meijere new to Britain, and the identity of *L. (D.) patens* in Britain (Diptera: Tipulidae). *Entomologist's Gaz.*, 25: 297-301.
- Hutson, A. M. and Vane-Wright, R. I.**
- 1969 Corrections and additions to the list of British Nematocera (Diptera) since Kloet and Hincks' "A check list of British Insects" (1945). Part 1. Introduction and families Tipulidae, Trichoceridae and Anisopodidae (Tipuloidea). *Entomologist's Gaz.*, 20: 231-256.
- Hynes, C. D.**
- 1990 Description of the immatures of *Styringomyia neocaledoniae* Alexander (Diptera: Tipulidae) and notes on its biology. *Pan-Pacif. Ent.*, 66: 89-92.
- Ide, F. P.**
- 1965 Family Nymphomyiidae. In: Stone, A. et al. (eds): *A Catalog of the Diptera of America North of Mexico*. Washington: 98.
- Ishida, H.**
- 1955 The catalogue of the Japanese Tipulidae, with the keys to the genera and subgenera, I. Tipulinae (part). *Ann. Rep. Hyogo Agric. Coll. (Kenkyu Shuroku, 1954)*, 4: 106-135.

- 1956 The catalogue of the Japanese Tipulidae, with the keys to the genera and subgenera, 2. *Tipula* (part) and *Cylindrotominae*. *Ann. Rep. Hyogo Agric. Coll.* (Kenkyu Shuroku, 1955), 5: 59-77.
- 1957 The catalogue of the Japanese Tipulidae, with the keys to the genera and subgenera, 3. *Limoniinae*, Tribe *Limoniini*. *Ann. Rep. Hyogo Agric. Coll.* (Kenkyu Shuroku, 1955), 5: 122-149.
- 1958 The catalogue of the Japanese Tipulidae, with the keys to the genera and subgenera, 4. *Limoniinae*, Tribe *Pediciini*. *Sci. Rep. Hyogo Univ. Agric., Ser. Nat. Sci.*, 3(2): 37-42.
- 1959 The catalogue of the Japanese Tipulidae, with the keys to the genera and subgenera, 5. *Limoniinae*, Tribe *Hexatomini*. *Sci. Rep. Hyogo Univ. Agric., Ser. Nat. Sci.*, 4(1): 3-11.
- 1960 The catalogue of the Japanese Tipulidae, with the keys to the genera and subgenera, 6. *Limoniinae*, Tribe *Eriopterini* (1). *Sci. Rep. Hyogo Univ. Agric., Ser. Nat. Sci.*, 4(2): 27-34.
- 1961 The catalogue of the Japanese Tipulidae, with the keys to the genera and subgenera, 6. *Limoniinae*, Tribe *Eriopterini* (2). *Sci. Rep. Hyogo Univ. Agric., Ser. Nat. Sci.*, 5(1): 1-8.
- 1965 *The check-list of the Japanese Tipulidae*. 1-43 (privately publ.).
- Ishida, H.** (See Tokunaga, M., Ishida, H. and Nobuchi, A.)
- Ito, S.**
- 1948 Two undescribed species of the tipulid genus *Elephantomyia* from Japan. *Mushi*, 18: 89-92.
- 1948 Zwei für die Fauna von Insel Kyushu neue Tipuliden. *Mushi*, 18: 93.
- Jedlička, L.**
- 1980 Notes on the distribution of mountain midges (Diptera: Deuterophlebiidae) with special regard to Asian species. *Acta Univ. Carol. Biol.*, 1977: 311-315.
- Jedlička, L. and Halgoš, J.**
- 1981 *Deuterophlebia sajanica* sp. n., a new species of mountain midges from Mongolia (Diptera: Deuterophlebiidae). *Biologia, Bratisl.*, 36: 973-981.
- Johnson, C. W.**
- 1905 Synopsis of the tipuloid genus *Bittacomorpha*. *Psyche*, 12: 75-76.
- Jong, H. de**
- 1984 The Japanese species of *Tipula* subgenus *Acutipula* Alexander, 1924, with the description of a new species (Diptera, Tipulidae). *Trans. Shikoku ent. Soc.*, 16: 13-18.
- 1987 Keys for the identification of the Tipuloidea (Insecta, Diptera) recorded for the Canary Islands. *Eos*, 63: 73-92.
- Jong, W. H. de**
- 1925 Een studie over emelten en hare bestrijding. *Versl. Meded. plziektenk. Dienst, Wageningen*, 42: 1-108.

Joost, W.

- 1974 *Ptychoptera peusi* n. sp. - eine neue Faltenmücke (Dipt., Ptychopteridae) aus dem oberen Baksangebiet (UdSSR, Zentralkaukasus). *Ent. Nachr., Dresden*, **18**: 173-178.
- 1978 Erste Mitteilung über das Vorkommen der Faltenmücken (Diptera, Ptychopteridae) im Westkaukasus. *Ent. Nachr., Dresden*, **22**: 12-14.

Joost, W., Klausnitzer, B. and Zimmerman, W.

- 1986 Die Sekundärproduktion eines Thüringer Wald-Baches im Ergebnis dreijähriger Emergenz-Untersuchungen. *Limnologica*, **17**: 29-52.

Joost, W. and Zimmerman, W.

- 1983 *Dreijährige Emergenz-Untersuchungen an einem rhithralen Gewässer des Thüringer Waldes als Beitrag zur Ökologie, insbesondere Produktionsbiologie merolimnischer Fraktionen der Bergbach-Biozönose*. Dissertation Universität Leipzig: 1-220.

Joseph, A. N. T.

- 1971 The Brunetti types of Tipulidae (Diptera) in the collection of the Zoological Survey of India: Part 1, Holorusia Loew. *J. Ent. (B)*, **40**: 121-131.
- 1973 The Brunetti types of Tipulidae (Diptera) in the collection of the Zoological Survey of India: Part 2, Nephrotoma Meigen and Ctenophora Meigen. *J. Ent. (B)*, **42**: 59-70.
- 1974 The Brunetti types of Tipulidae (Diptera) in the collection of the Zoological Survey of India: Part 3, Tipula Linnaeus. *Orient. Ins.*, **8**: 241-280.

Joseph, A. N. T. and Parui, P.

- 1969 On a small collection of Tipulidae from Uttar Pradesh, India. *Orient. Ins.*, **3**: 71-77.

Kalugina, N. S. (See Rohdendorf, B. B. and Kalugina, N. S.)

Kandybina, M. N. (See Savchenko, E. N. and Kandybina, M. N.)

Kariya, S.

- 1934 The genus *Pedicia* with special reference to the Japanese species of the genus. *Philipp. J. Sci.*, **53**: 301-309.
- 1935 On the family Tanyderidae from Japan (Diptera). *Mushi*, **8**: 39-41 (In Japanese with English description).
- 1987 A revision of the Japanese species of *Tipula* (*Vestiplex*) (Diptera, Tipulidae). *Makunagi*, **15**: 13-19.

Kariya, S. and Sugawara, H.

- 1987 On the scientific and Japanese names of *Tipula longicauda* Matsumura (Diptera: Tipulidae). *Makunagi*, **15**: 20-23.

Kaul, B. K.

- 1971 Torrenticole insects of the Himalaya V. Description of some new Diptera: Psychodidae and Blephariceridae. *Orient. Ins.*, **5**: 401-434.
- 1976 Torrenticole insects of the Himalaya VII. A new genus of the Blephariceridae (Diptera). *Orient. Ins.*, **10**: 25-31.

- 1984 Description of a new genus and some new species of torrenticole Diptera of the northwest Himalaya. *J. Bombay Nat. Hist. Soc.*, **81**: 158-165.
- Kennedy, H. D.**
- 1958 Biology and life history of a new species of mountain midge, *Deuterophlebia nielsoni*, from eastern California (Diptera: Deuterophlebiidae). *Trans. Am. microsc. Soc.*, **77**: 201-228.
- 1960 *Deuterophlebia inyoensis*, a new species of mountain midge from the alpine zone of the Sierra Nevada range, California (Diptera: Deuterophlebiidae). *Trans. Am. microsc. Soc.*, **79**: 191-201.
- Kertész, K.**
- 1902 *Catalogus dipterorum huscuque descriptorum*. Leipzig and Budapest, **1**: 1-339.
- Keilin, D. and Tate, P.**
- 1940 The early stages of the families Trichoceridae and Anisopodidae (+Rhyphidae) (Diptera: Nematocera). *Trans. R. ent. Soc. Lond.*, **90**: 39-62.
- Kellog, V. L.**
- 1903 The net-winged midges (Blepharoceridae) of North America. *Proc. Calif. Acad. Sci., Zool.*, **3**: 187-233.
- Kevan, D. K. McE.** (See Cutten, F. and Kevan, D. K. McE.)
- Kirby, W.**
- 1798 History of *Tipula Tritici*, and *Ichneumon Tipulae*, with some observations upon other Insects that attend the wheat, in a letter to Thomas Marsham, Esq. Sec. L. S. *Trans. Linn. Soc. Lond.*, **4**: 230-239.
- Kitakami, S.**
- 1931 The Blepharoceridae of Japan. *Mem. Coll. Sci. Kyoto Univ. (B)*, **6**: 53-108.
- 1937 Supplementary notes on the Blepharoceridae of Japan. *Mem. Coll. Sci. Kyoto Univ. (B)*, **12**: 115-136.
- 1938 The Deuterophlebiidae of Japan. *Annotnes zool. jap.*, **17**: 487-507.
- 1938 A new genus and species of Blepharoceridae from Japan. *Mem. Coll. Sci. Kyoto Univ. (B)*, **14**: 341-352.
- 1941 On the Blepharoceridae of Formosa, with a note on *Apistomyia uenoi* (Kitakami). *Mem. Coll. Sci. Kyoto Univ. (B)*, **16**: 59-74.
- 1950 The revision of the Blepharoceridae of Japan and Adjacent Territories. *J. Kumamoto Women's Univ.*, **2**: 15-80.
- Klausnitzer, B.** (See Joost, W., Klausnitzer, B. and Zimmerman, W.)
- Kloet, G. S. and Hincks, W. D.**
- 1976 A check list of British insects. Part 5: Diptera and Siphanoptera. *Handbk Ident. Br. Insects*, **9(5)**: IX+1-139.
- Klopp-Albrecht, M.**
- 1974 Fauna de Tipulidae du Grand-Duché de Luxembourg. *Arch. Inst. G.-D. Luxemb., Sect. Sci. nat., phys., math. (N.S.)*, **36**: 137-223.

Knight, A. W.

- 1963 Description of the Tanyderid larva *Protanyderus marginata* Alexander, from Colorado. *Bull. Brooklyn ent. Soc.*, **58**: 99-103.
- 1964 Description of the Tanyderid pupa *Protanyderus marginata* Alexander, from Colorado. *Ent. News*, **75**: 237-241.

Kocak, A. O.

- 1981 A replacement name in the family Limoniidae. *Priamus*, **1**: 111.

Kolenati, F. A.

- 1859 Naturhistorische Durchforschung des Altvatergebirges. *Jahresh. nat. Sect. k.k. mähr.-schles. Ges. Ackerbau, Natur-, Landesk.*, **1858**: 1-83.
- 1860 Einige neue Insekten-Arten vom Altvater. *Wien. ent. Mschr.*, **4**: 381-394.

Komárek, J.

- 1914 Über die Blepharoceriden aus dem Kaukasus und Armenien. *Sber. K. böhm. Ges. Wiss., Cl. II*, **1914**(IX): 1-19.
- 1914 Die Morphologie und Physiologie der Haftscheiben der Blepharoceriden-larven. *Sber. K. böhm. Ges. Wiss., Cl. II*, **1914**(XXV): 1-28.
- 1932 Blepharoceridae Jugoslaviae meridionalis. *Acta Soc. ent. jugosl.*, **5-6** (1930-1931): 8-22.

Komárek, J. and Vimmer, A.

- 1922 The larvae of the European Blepharoceridae (Diptera). *Annl. Biol. lacustre*, **11**: 63-77.
- 1934 Blepharoceridae Balkanicae (Dipt.). *Mitt. kgl. naturw. Inst. Sofia*, **7**: 1-35.

Kowarz, F.

- 1868 Dipterologische Notizen, 2. *Verh. zool.-bot. Ges. Wien*, **18**: 213-222.

Kratochvíl, J.

- 1936 Renseignements sur les espèces de genre *Chionea* Dalm. de Tchécoslovaquie (Dipt. Tipulidae). *Bull. Soc. ent. Fr.*, **41**: 243-250.

Krivolutskaya, G. O. (See Savchenko, E. N. and Krivolutskaia, G. O.)**Kröber, O.**

- 1929 Die Ausbeute der Deutschen Chaco-Expedition 1925/6 (Diptera). *Konowia*, **8**: 170-193.

Krogerus, R.

- 1937 Zwei neue Diptera Polyneura aus Finnland. *Notul. ent.*, **17**: 57-59.

Krzemiński, W.

- 1978 The genera *Chionea* Dalm. and *Niphadobata* Enderl. (Diptera, Limoniidae) in Poland. *Prace Zool.*, **24**: 109-127.
- 1982 Contributions to the taxonomy of the European species of *Chionea* Dalman (Diptera: Limoniidae). *Ent. scand.*, **13**: 193-200.
- 1984 Limoniidae of Bulgaria, I (Diptera, Nematocera). *Acta zool. bulg.*, **24**: 27-33.
- 1984 Limoniidae of Poland (Diptera, Nematocera). Part 1: subfamily Eriopterinae. *Acta zool. Cracov.*, **27**: 437-518.

Krzemiński, W. (See Stary, J. and Krzemiński, W.)

Krzemiński, W. and Stary, J.

- 1984 A new species of *Baeoura* Alexander, 1924 (Diptera, Limoniidae), from Algeria. *Polskie Pismo ent.*, **54**: 359-361.
- 1989 Limoniidae of Bulgaria, 2 (Diptera, Nematocera). *Polskie Pismo ent.*, **59**: 253-279.

Krzemiński, W. and Wiedeńska, J.

- 1982 Species of Diptera, family Limoniidae (Diptera, Nematocera), new for Poland. *Przegląd zool.*, **26**: 173-176 (In Polish).

Kuntze, A.

- 1913 Dipterologische Sammelreise in Korsika des Herrn W. Schnuse in Dresden im Juni und Juli 1899. *Dt. ent. Z.*, **1913**: 545-552.
- 1914 Bestimmungstabellen der paläarktischen Eriopterinen (Diptera, Nematocera, Polyneura). *Annln naturh. Mus. Wien*, **28**: 361-388.
- 1919 Vier neue Limoniden. *Dt. ent. Z.*, **1919**: 141-144.
- 1919 Eine neue *Crypteria* Bergroth. *Dt. ent. Z.*, **1919**: 366-368.
- 1920 Eine neue *Ephelia* Schin. *Dt. ent. Z.*, **1920**: 56.
- 1920 Notiz über *Limnobia meridiana* Staeg. *Dt. ent. Z.*, **1920**: 57.
- 1920 Limoniidae Meig. Tabellen zum Bestimmen der paläarktischen Limoniinae. *Zool. Jb. Syst.*, **43**: 371-432.

Lackschewitz, P.

- 1923 Der Formenkreis der *Tipula lateralis* Meig. (s. lat.) im Ostbaltischen Gebiet. *Arb. NaturfVer. Riga (N.F.)*, **15**: 1-16.
- 1925 Neue Limnobiiden und Tipuliden aus dem Ostbaltikum. *Arb. NaturfVer. Riga (N.F.)*, **16**: 3-15.
- 1927 Revision der Gimmerthalschen und Sintenisschen Tipuliden. *KorrespBl. NaturfVer. Riga (N.F.)*, **59**: 1-8.
- 1927 Diagnosen neuer Limnobiiden (Diptera) aus dem Ostbaltikum. *KorrespBl. NaturfVer. Riga (N.F.)*, **59**: 9-11.
- 1928 Die palaearktischen Limnobiiden (Diptera) des Wiener Naturhistorischen Museums. *Annln naturh. Mus. Wien*, **42**: 197-244.
- 1929 Revision der v. Roser'schen Limnobiiden in der Württembergischen Naturaliensammlung in Stuttgart. *Jh. Ver. vaterl. Naturk., Württ.*, **85**: 204-209.
- 1930 Die Oleracea-Gruppe des Genus *Tipula*. *Konowia*, **9**: 257-278.
- 1932 *Tipula zangherii* n.sp. aus Italien. *Boll. Soc. ent. ital.*, **64**: 181-183.
- 1932 Tipuliden-Studien, 1 (Dipt., Nematoc. polyn.). *Konowia*, **11**: 74-86.
- 1932 Eine neue *Elephantomyia* O. S. (Dipt., Nematoc. polyn.) aus dem Ostbaltikum. *Konowia*, **11**: 218-222.
- 1933 Zwei neue Tipulae aus den Apenninen. *Boll. Soc. ent. ital.*, **65**: 179-183.
- 1933 Revision der in Siebke's Catalogus Diterorum angeführten Tipuliden. *Norsk ent. Tidsskr.*, **3**: 238-256.
- 1933 Tipuliden-Studien, 2 (Dipt., Nematoc. polyn.). *Konowia*, **12**: 129-144.

- 1934 Ueber einige hochnordische Trichocera-Arten (Dipt., Nematocera). *Tromsø Mus. Årsh.*, **54**(1): 1-8.
- 1934 Tipuliden-Studien, 3 (Dipt., Nematoc. polyn.). *Konowia*, **13**: 125-144.
- 1935 Neue Eriopterinen (Dipt. Nematoc.) aus dem Deutschen Entomologischen Institut. *Natuurh. Maandbl.*, **24**: 9-14.
- 1935 Zur Kenntnis der polyneuren Nematoceren (Dipt.) des nördlichen Norwegens. *Tromsø Mus. Årsh.*, (4) **53**(4): 3-27.
- 1935 Über *Limnophila nigronotata* Siebke (Dipt. Nematoc.), eine in Vergessenheit geratene Art. *Norsk ent. Tidsskr.*, **4**: 76-78.
- 1935 Blepharoceridae (Dipt.). In: Visser, Ph. C. and Visser-Hooft, J. (eds): *Wissenschaftliche Ergebnisse der Niederländischen Expeditionen in den Karakorum und die angrenzenden Gebiete in den Jahren 1922, 1925, 1929/30*, **1**: 391.
- 1936 Das Genus *Tipula* in der Arktis und dem borealen Waldgebiet Eurasiens. *Trudy zool. Inst., Leningr.* [Trav. Inst. zool., Leningr.], **4**: 245-312.
- 1936 New species of *Tipula* from the Pyrenees and Madeira (Diptera, Tipulidae). *Proc. R. ent. Soc. Lond. (B)*, **5**: 109-112.
- 1936 A new species of *Tipula* from the Azores (Diptera). *Proc. R. ent. Soc. Lond. (B)*, **5**: 118.
- 1936 Über *Ilisia obscuripes* Zett. und zwei neue Eriopterinen (Dipt. Nemat.) aus Lappland. *Norsk ent. Tidsskr.*, **4**: 110-116.
- 1940 Die paläarktischen Rhamphidiinen und Eriopterinen des Wiener Naturhistorischen Museums. *Annln naturh. Mus. Wien*, **50**: 11-67.
- 1940 Die paläarktischen Limnophilinen, Anisomerinen und Pediciinen des Wiener Naturhistorischen Museums. *Annln naturh. Mus. Wien*, **50**: 68-122.
- 1964 New and little-known palaearctic crane-flies of the family Limoniidae (Diptera, Tipuloidea). *Ent. Obozr.*, **43**: 710-733 (In Russian).
- Lackschewitz, P. and Pagast, F.**
- 1940 16. Limoniidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, 3(5)2, Lief. 135: 1-16.
- 1941 16. Limoniidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, 3(5)2, Lief. 139: 17-32.
- 1942 16. Limoniidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, 3(5)2, Lief. 145: 33-64.
- Laever, E. de and Mannheims, B.**
- 1958 Tipulides nouveaux pour la Belgique. *Bull. Anns Soc. r. ent. belg.*, **94**: 230-231.
- Lamarck, J. B.**
- 1794 Appendix. In: *Voyages du Professeur Pallas, dans plusieurs provinces de l'Empire de Russie et dans l'Asie Septentrionale*. Paris, **8**: VIII+1-463.

Lantsov, V. I.

- 1987 A new species of arctic winter gnats (Diptera, Trichoceridae). *Zool. Zh.*, **65**: 153-155.

Lantsov, V. I. and Chernov, Y. I.

- 1987 *Tipuloid crane-flies in the tundra zone*. Moscow: 1-175 (In Russian).

Latreille, P. A.

- 1802 Histoire naturelle, générale et particulière, des Crustacés et des Insectes. In: Sonnini, C. S. (ed.): *Histoire naturelle par Buffon*. Paris, **3**: 1-468.

- 1804 Tableau méthodique des Insectes: 129-200. In: Société de Naturalistes et d'Agriculteurs: *Nouveau dictionnaire d'histoire naturelle, appliquée aux arts, principalement à l'agriculture et à l'économie rurale et domestique. Tableaux méthodiques d'histoire naturelle*. Paris, **24**(3): 1-238.

- 1809 *Genera crustaceorum et insectorum secundum ordinem naturalem in familias disposita, iconibus exemplisque plurimis explicata*. Paris and Strasbourg, **4**: 1-399.

- 1810 *Considérations générales sur l'ordre naturel des animaux*. Paris: 1-444.

Latreille, P. A., Lepeletier, A. L. M., Serville, J. G. A. and Guérin-Ménéville, F. E.

- 1828 Entomologie, ou histoire naturelle des Crustacés, des Arachnids et des Insects. In: Société de Gens de Lettres, de Savans et d'Artistes: *Encyclopédie méthodique [q.v.]. Histoire naturelle*. Paris, **10**(2): 345-833.

Laurence, B. R.

- 1957 The British species of Trichocera (Diptera: Trichoceridae). *Proc. R. ent. Soc. Lond. (B)*, **32**: 132-138.

Lavandier, P. (See Giudicelli, J. and Lavandier, P.)**Leonard, M. D. (See Alexander, C. P. and Leonard, M. D.)****Lepeletier, A. L. M. (See Latreille, P. A., Lepeletier, A. L. M., Serville, J. G. A. and Guérin-Ménéville, F. E.)****Lewis, S. E.**

- 1973 Two new species of fossil crane flies from the Ruby River Basin (Oligocene) of southwestern Montana. *Ann. ent. Soc. Am.*, **66**: 706-707.

Lindeman, E.

- 1846 Beitrag zu der Abhandlung des Herrn V. von Motschulsky: Die Coleopterologischen Verhaeltnisse Russlands. *Bull. Soc. nat. Moscou*, **19**(2): 224-243.

Lindner, E. (Eberhard)

- 1958 Zur Kenntnis der Eier der Limoniidae. *Mitt. zool. Mus. Berl.*, **34**: 113-133.

- 1959 Beiträge zur Kenntnis der Larven der Limoniidae. *Z. Morph. Ök. Tiere*, **48**: 209-319.

Lindner, E. (Erwin)

- 1930 1b. Petauristidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, **2**(1): 1-21.

- 1930 2. Blepharoceridae + Deuterophlebiidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, 2(1): 1-36.
- 1966 *Pedicia rivos*a L. im Schwarzwald brachypter [*Pedicia rivos*a mannheimsi, n. ssp. (Limoniidae, Diptera)]. *Stuttg. Beitr. Naturk.*, No 149: 1-7.
- Linnaeus, C.** (Linné, C. von)
- 1758 *Systema naturae per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis*. Ed. 10, Holmiae [= Stockholm], 1: 1-824.
- 1761 *Fauna svecica sistens animalia sveciae regni: mammalia, aves, amphibia, pisces, insecta, vermes. Distributa per classes & ordines, genera & species, cum differentiis specierum, synonymis auctorum, nominibus incolarum, locis natalium, descriptionibus insectorum*. Ed. 2, Stockholmiae [= Stockholm]: 1-578.
- 1767 *Systema naturae per regna tria naturae, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis*. Ed. 12, Holmiae [= Stockholm], 1(2): 533-1327.
- Liroy, P.**
- 1863 I ditteri distribuiti secondo un nuovo metodo di classificazione naturale. *Atti R. Ist. veneto Sci.*, (3) 9: 187-236.
- Little, C. J.** (See Stubbs, A. E. and Little, C. J.)
- Loew, E.** (see Loew, H.)
- Loew, H.**
- 1844 Beschreibung einiger neuen Gattungen der europäischen Dipterenfauna. *Stettin ent. Ztg*, 5: 114-130, 154-173.
- 1845 Dipterologische Beiträge. Erster Theil. *Öffentl. K. Friedrich-Wilhelms Gymnasium zu Posen*, 1845: 1-52.
- 1849 *Cylindrotoma nigriventris*, *Dixa laeta*, *Dixa puberula* und *Dixa obscura*, vier neue Arten. *Stettin ent. Ztg*, 10: 341-349.
- 1850 Über den Bernstein und die Bernsteinfauna. *Programm k. Realschule zu Meseritz*, 1850: 3-44.
- 1851 Beschreibung einiger neuen *Tipularia terricola*. *Linn. Ent.*, 5: 385-418.
- 1856 Neue Beiträge zur Kenntnis der Dipteren. Vierter Beitrag. *Programm k. Realschule zu Meseritz*, 1856: 1-57.
- 1858 Über einige neue Fliegengattungen. *Berl. ent. Z.*, 2: 101-122.
- 1858 Beschreibung einiger japanischen Dipteren. *Wien. ent. Mschr.*, 2: 100-122.
- 1862 Ueber griechische Dipteren. *Berl. ent. Z.*, 6: 69-89.
- 1863 *Diptera Americae septentrionalis indigena*. Centuria quarta. *Berl. ent. Z.*, 7: 275-326.
- 1864 *Diptera Americae septentrionalis indigena*. Centuria quinta. *Berl. ent. Z.*, 8: 49-104.
- 1864 Die europäischen *Tipula*-Arten, deren Weibchen verkümmerte Flügel haben. *Wien. ent. Mschr.*, 8: 120-128.

- 1864 *Tipula sinuata* und ihre nächsten Verwandten. *Wien. ent. Mschr.*, 8: 128-131.
- 1865 Neue *Tipula* bei Bad Liebenstein. *Z. ges. Naturw.*, 26: 135-136.
- 1865 Ueber die bisher beschriebenen europäischen *Anisomera*-Arten. *Z. ges. Naturw.*, 26: 395-426.
- 1866 *Diptera Americae septentrionalis indigena*. *Centuria sexta. Berl. ent. Z.*, 9: 127-186.
- 1869 *Beschreibungen europäischer Dipteren*. Halle, 1: XVI+1-310.
- 1869 *Diptera Americae septentrionalis indigena*. *Centuria octava. Berl. ent. Z.*, 13: 1-52.
- 1869 La famiglia dei *Blefaroceridi* (*Blepharoceridae*). *Boll. Soc. ent. ital.*, 1: 85-98.
- 1871 *Beschreibungen europäischer Dipteren*. Halle, 2: VIII+1-320.
- 1872 *Diptera Americae septentrionalis indigena*. *Centuria decima. Berl. ent. Z.*, 16: 49-115.
- 1873 *Beschreibungen europäischer Dipteren*. Halle, 3: VI+1-320.
- 1873 *Diptera nova*, in Pannonia inferiori et in confinibus Daciae regionibus a Ferd. Kowarzio capta. *Berl. ent. Z.*, 17: 33-52.
- 1874 *Diptera nova* a Hug. Theod. Christophe collecta. *Z. ges. Naturw.*, 43: 413-420.
- 1876 *Eclimus hirtus* und *Hapalothrix lugubris*, zwei neue europäische Dipteren. *Dt. ent. Z.*, 20: 209-214.
- 1877 Revision der *Blepharoceridae*. *Z. ent., Breslau*, 6: 54-98.
- Loi, G.**
- 1964 *Tipula venturii* n.sp. (Dipt., Tipulidae). *Frustula ent.*, 7(2): 1-5.
- 1971 Un nuovo Tipulide (Dipt.) con femmine meiottere: *Tipula* (*Lunatipula*) *gelensis* n.sp. (Gruppo *livida*). *Boll. Sed. Accad. gioenia Sci. nat. Catania*, (4) 11: 135-147.
- Lukasheva, N. V.**
- 1987 *Xylophagous Diptera of the northwest Caucasus*. Leningrad: 1-143 (In Russian).
- Lundbeck, W.**
- 1898 *Diptera groenlandica*. *Vidensk Meddr dansk Naturh. Foren.*, (5) 10: 236-314.
- Lundström, C.**
- 1907 Beiträge zur Kenntnis der Dipteren Finlands, 2. Tipulidae (Tipulidae Longipalpi Ost.-Sack.). *Acta Soc. Fauna Flora fenn.*, 29(2): 1-27.
- 1907 Beiträge zur Kenntnis der Dipteren Finlands, 3. Cylindrotomidae und Limnobiidae. *Acta Soc. Fauna Flora fenn.*, 29(8): 1-31.
- 1912 Beiträge zur Kenntnis der Dipteren Finlands, 8. Suppl. 2, Mycetophilidae, Tipulidae, Cylindrotomidae und Limnobiidae. *Acta Soc. Fauna Flora fenn.*, 36(1): 1-70.

1913 Verzeichnis mehrerer von Dr. E. Strand in Norwegen gesammelten Dipteren Nematocera. *Nyt Mag. Naturvid.*, **51**: 310-319.

1915 Diptera-Nematocera aus den arctischen Gegenden Sibiriens. *Mém. Acad. Sci. Petersb.* [Zap. Imp. Akad. Nauk], (8) **29**(8): 1-33.

Lundström, C. and Frey, R.

1916 Beiträge zur Kenntnis der Dipteren Finlands X, Suppl. 4, Bibionidae, Chironomidae, Tipulidae. *Acta Soc. Fauna Flora fenn.*, **44**(2): 1-26.

Luppova, E. P. and Savchenko, E. N.

1966 The crane-flies (Diptera, Tipulidae) of Tajikistan. In: *The insect fauna and zoogeography of Middle Asia*. Dushanbe: 178-223 (In Russian).

Machado, A. (See Oromi, P., Báez, M. and Machado, A.)

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. In: Roret, N. E. (ed.): *Nouvelles suites à Buffon*. Paris, **1**: 1-578.

1835 Histoire naturelle des Insectes. Diptères. In: Roret, N. E. (ed.): *Nouvelles suites à Buffon*. Paris, **2**: 1-710.

1838 *Diptères exotiques nouveaux ou peu connus*. Paris, **1**(1): 1-221.

1839 Diptères. In: Webb, P. B. and Berthelot, S. (eds): *Histoire naturelle des Iles Canaries*. **2**(2): 97-119.

1843 Description d'un nouveau genre d'Insectes Diptères. *Annls Soc. ent. Fr.*, (2) **1**: 59-63.

1844 Nouvelle observation sur l'Insecte Diptère formant le type du genre Blépharicère. *Annls Soc. ent. Fr.*, (2) **2**: 69-72.

1846 Diptères exotiques nouveaux ou peu connus. Supplément. *Mém. Soc. Agric. Lille*, **1844**: 133-364.

Madarassy, L.

1881 Diptera nova ex Hungaria. *Természetr. Füzet.*, **5**: 37-39 (In Hungarian).

Makarchenko, E. A.

1979 *Nymphomyia rohdendorfi* sp. n., a new representative of archaic insects (Diptera, Nymphomyiidae) from the Upper Kolyma flow. *Zool. Zh.*, **58**: 1070-1073 (In Russian with English summary).

Mannheims, B.

1935 Beiträge zur Biologie und Morphologie der Blepharoceriden (Dipt.). *Zool. Forsch.*, **2**: 1-115.

1937 Zur Synonymie der europäischen Blepharoceriden (Dipt.). *Mitt. dt. ent. Ges.*, **7**: 90-96.

1938 Über das Vorkommen der Gattung *Curupira* in Manschukuo nebst Beschreibung der Entwicklungsstadien zweier neuer Blepharoceriden aus Anatolien und Süd-Chile. *Arb. morph. taxon. Ent. Berl.*, **5**: 328-333.

- 1939 Eine bisher unbekannte europäische Blepharoceriden-Larve (Dipt., Bleph.). Zugleich einige Bemerkungen über den Gattungsbegriff innerhalb der Familie. *Mitt. dt. ent. Ges.*, **9**: 57-63.
- 1950 Neue Tipula-Arten aus Italien (Dipt., Tipulidae). *Bonn. zool. Beitr.*, **1**: 70-78.
- 1950 Die Tipula oleracea-Gruppe in Europa, ein Beispiel für Formenkreis-Parallelismus (Dipt., Tipulidae). *Syllogomena biologica, Festschrift Kleinschmidt*: 231-247.
- 1951 15. Tipulidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, **3(5)1**, Lief. 167: 1-64.
- 1951 Zur Synonymie der europäischen Tipuliden (Dipt.), 1. *Bonn. zool. Beitr.*, **2**: 139-140.
- 1951 Zur Synonymie der europäischen Tipuliden (Dipt.), 2. *Bonn. zool. Beitr.*, **2**: 228.
- 1952 15. Tipulidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, **3(5)1**, Lief. 170: 65-112.
- 1953 Zur Kenntnis der Tipuliden Italiens (Dipt., Tipulidae). Ricerche zoologiche sul Massiccio del Pollino (Lucania-Calabria), *7. Ann. Ist. Mus. Zool. Univ. Napoli*, **5**: 1-8.
- 1953 Zur Synonymie der europäischen Tipuliden (Dipt.), 3. *Bonn. zool. Beitr.*, **4**: 344.
- 1953 15. Tipulidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, **3(5)1**, Lief. 173: 113-136.
- 1954 Die Blepharoceriden Griechenlands und Mitteleuropas (Dipt.). *Bonn. zool. Beitr.*, **1**: 87-110.
- 1954 Die Tipuliden Griechenlands (Dipt.). *Bonn. zool. Beitr.*, Sonderband 1954, **1**: 149-182.
- 1954 Die Tipuliden Ostfennoskandiens (Dipt.). *Notul. ent.*, **34**: 29-50.
- 1954 Zur Synonymie der europäischen Tipuliden (Dipt.), 4. *Bonn. zool. Beitr.*, **5**: 162.
- 1954 Zur Synonymie der europäischen Tipuliden (Dipt.), 5. *Bonn. zool. Beitr.*, **5**: 166.
- 1959 Die europäischen Phyllolabis-Arten (Dipt., Limoniidae). *Bonn. zool. Beitr.*, **10**: 149-156.
- 1959 Zur Synonymie der europäischen Tipuliden (Dipt.), 6. *Bonn. zool. Beitr.*, **10**: 157-159.
- 1961 Ergebnisse der Deutschen Afghanistan-Expedition 1956 der Landessammlungen für Naturkunde Karlsruhe, Tipulidae (Dipt.). *Beitr. naturk. Forsch. SüdwDtl.*, **19**: 309-311.
- 1962 Zur Synonymie der europäischen Tipuliden (Dipt.), 7. *Bonn. zool. Beitr.*, **13**: 193-195.
- 1962 Tipula stenoptera n.sp. von den Azoren (Dipt., Tipulidae). *Notul. ent.*, **42**: 128-129.

- 1962 Die Tipuliden Madeiras (Dipt., Tipulidae). *Notul. ent.*, **42**: 130-136.
- 1963 Zwei für Fennoskandien neue Tipula-Arten (Dipt., Tipulinae). *Notul. ent.*, **43**: 37-41.
- 1963 Eine Tipula der ostasiatischen "sempiterna"-Gruppe in Finnland (Dipt., Tipulidae). *Notul. ent.*, **43**: 69-74.
- 1963 Tipula (Acutipula) luctuosa sp.n. aus Italien (Diptera, Tipulidae). *Boll. Ass. romana Ent.*, **18**: 33-35.
- 1963 15. Tipulidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, 3(5)1, Lief. 238: 137-176.
- 1964 Zur Kenntnis der Limoniiden Italiens (Diptera, Limoniidae). *Boll. Ass. romana Ent.*, **19**: 3-7.
- 1964 Tipuliden und Limoniiden aus Südwest-Finnland (Finnland). *Lounais-Hämeen Luonto*, **15**: 20-22.
- 1964 Tipuliden aus Iran (Dipt.). Ergebnisse der Entomologischen Reisen Willi Richter, Stuttgart, im Iran 1954 und 1956. *Stuttg. Beitr. Naturk.*, No **126**: 1-7.
- 1964 Die Tipuliden der Sammlung Meigen. *Bonn. zool. Beitr.*, **15**: 103-108.
- 1964 Zur Synonymie der europäischen Tipuliden (Dipt.), 9. *Bonn. zool. Beitr.*, **15**: 109-113.
- 1965 Enumeratio Tipulidarum Fenniae. *Lounais-Hämeen Luonto*, **20**: 1-3.
- 1965 Sechzehn für Finnland neue Limoniiden mit Liste der Tipulidae, Limoniidae, Cyndrotomidae, Liriopeidae, Trichoceridae und Phryneidae (Diptera, Nematocera) Südwest-Finnlands. *Lounais-Hämeen Luonto*, **20**: 4-9.
- 1965 15. Tipulidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, 3(5)1, Lief. 256: 177-212.
- 1966 Ergebnisse der Albanien-Expedition 1961 des Deutschen Entomologischen Institutes. 56. Beitrag, Diptera: Tipulidae. *Beitr. Ent.*, **16**: 489-502.
- 1966 Die Tipuliden Ungarns (Dipt.) aus der Sammlung des Ungarischen Naturwissenschaftlichen Museum. *Folia ent. hung.*, (S. N.), **19**: 273-283.
- 1966 Zur Synonymie der europäischen Tipuliden (Dipt.), 10. *Bonn. zool. Beitr.*, **17**: 265-266.
- 1966 15. Tipulidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, 3(5)1, Lief. 267: 213-256.
- 1967 Blepharoceridae. In: Illies, J. (ed.): *Limnofauna Europaea*, Ed. 1. Stuttgart: 313-314.
- 1967 Tipulidae und Cyndrotomidae. In: Illies, J. (ed.): *Limnofauna Europaea*, Ed. 1. Stuttgart: 315-320.
- 1967 Ergebnisse der Albanien-Expedition 1961 des Deutschen Entomologischen Institutes. 63. Beitrag. Diptera: Limoniidae. *Beitr. Ent.*, **17**: 459-476.
- 1967 Eine für Europa neue Ctenophora-Art (Diptera, Tipulidae) mit faunistischen Angaben über Tipuliden und Limoniiden Fennoskandiens. *Bonn. zool. Beitr.*, **18**: 199-206.

- 1967 Beiträge zur Kenntnis der Fauna Afghanistans. Tipulidae and Limoniidae, Diptera. *Cas. morav. Mus. Brne, Suppl.*, **52**: 177-182.
- 1967 *Tipula* (Vestiplex) *bo* sp.n. und andere Tipuliden aus Fennoskandien (Diptera). *Notul. ent.*, **47**: 147-156.
- 1967 15. Tipulidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, **3(5)1**, Lief. 270: 257-288.
- 1968 15. Tipulidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, **3(5)1**, Lief. 275: 289-320.
- 1969 Zwei neue europäische *Tipula*-Arten der fulvipennis-Gruppe. *Bonn. zool. Beitr.*, **20**: 253-256.
- 1969 Die Limoniiden Ungarns nach der Sammlung des Ungarischen Naturwissenschaftlichen Museums. *Folia ent. hung.*, (S. N.), **22**: 353-364.
- 1971 Zur Synonymie der europäischen Tipuliden (Dipt.), 11. *Bonn. zool. Beitr.*, **22**: 343-344.
- 1972 The invertebrate fauna of the Kilpisjärvi area, Finnish Lapland, 16. Diptera Tipuloidea. *Acta Soc. Fauna Flora fenn.*, **80**: 233-237.
- Mannheims, B.** (See Laever, E. de and Mannheims, B.)
- Mannheims, B.** (See Theowald, Br. and Mannheims, B.)
- Mannheims, B. and Nielsen, P.**
- 1953 *Tipula* (*Oreomyza*) *caerulea* n.sp. (Dipt.). *Ent. Meddr*, **26**: 586-587.
- Mannheims, B., Nørrevang, A. and Theowald, Br.**
- 1964 Die Tipuliden der Faröer (Diptera). *Ent. Meddr*, **32**: 193-198.
- Mannheims, B. and Pechlaner, E.**
- 1963 Die Tipuliden Nordtirols (Dipt.). *Stuttg. Beitr. Naturk.*, No **102**: 1-29.
- Mannheims, B. and Savchenko, E. N.**
- 1967 Ergebnisse der zoologischen Forschungen von Dr. Z. Kaszab in der Mongolei (Diptera), 105. Tipulidae. *Reichenbachia*, **9**: 147-156.
- 1973 Ergebnisse der zoologischen Forschungen von Dr. Z. Kaszab in der Mongolei, 303. Tipulidae (Diptera), 2. *Folia ent. hung.*, (S. N.), *Suppl.*, **26**: 157-186.
- 1973 Ergebnisse der zoologischen Forschungen von Dr. Z. Kaszab in der Mongolei, 304. Limoniidae (Diptera). *Annls hist.-nat. Mus. natn. hung.*, **65**: 257-269.
- Mannheims, B. and Theowald, Br.**
- 1959 Die Tipuliden Italiens (Dipt. Tipulidae). *Memorie Soc. ent. ital.*, **38**: 15-54.
- 1962 Zur Synonymie der europäischen Tipuliden (Dipt.), 8. *Bonn. zool. Beitr.*, **13**: 196-197.
- 1971 Die Tipuliden von Grönland (Diptera, Tipulidae). *Bonn. zool. Beitr.*, **22**: 332-342.
- Martinovsky, J.**
- 1971 *Nephrotoma moravica* sp.n. aus der Tschechoslowakei (Diptera, Tipulidae). *Acta ent. bohemoslov.*, **68**: 45-51.

- 1972 Beitrag zur Kenntnis der Tschechoslowakischen Tipula-Arten (Diptera, Tipulidae). *Prírodov. Sb. ostrav. Kraje*, **25**: 213-228 (In Czech with German summary).
- 1974 *Tipula laetibasis* Alexander, 1933 in der Tschechoslowakei (Tipulidae, Diptera). *Folia Fac. Sci. Nat., Univ. Purk. Brne*, **15**: 7-11.
- 1976 *Tipula* (*Lunatipula*) *mendli* sp.n. aus der Türkei (Diptera, Tipulidae). *Acta ent. bohemoslov.*, **73**: 52-55.
- 1979 *Nephrotoma malickyi* sp.n. von der Insel Kreta und Synonymie von zwei *Nephrotoma*-Arten (Diptera, Tipulidae). *Acta ent. bohemoslov.*, **76**: 122-126.
- 1984 Tipulidae. In: Cepelak, J. (ed.): *Diptera Slovenska*. Bratislava, 1: 18-24 (In Slovakian).
- 1987 Tipulidae. In: Check List of Czechoslovak Insects, 2, Diptera. *Acta faun. ent. Mus. natn. Prag.*, **18**: 11-14.

Martinovský, J. (See Slípka, J. and Martinovský, J.)

Martinovský, J. (See Starý, J. and Martinovský, J.)

Martinovský, J. and Starý, J.

- 1969 The discovery of brachypterous females of *Limnophila platyptera* (Macquart), with notes on the classification of this species (Diptera, Tipulidae). *Acta ent. bohemoslov.*, **66**: 381-386.

Masaki, J.

- 1939 A new species of the genus *Pselliophora* Osten-Sacken from Korea. *Mushi*, **12**: 90-91.

Matile, L. (See Menier, J. J. and Matile, L.)

Matsumura, S.

- 1906 *Thousand insects of Japan*. Tokyo, **2**: 1-164 (In Japanese).
- 1911 Erster Beitrag zur Insekten-Fauna von Sachalin. *J. Coll. Agric. Tohoku imp. Univ.*, **4**: 1-415.
- 1915 *Konchu Bunruigaku* (= Insect Taxonomy). Tokyo, **2**: 63.
- 1916 *Thousand insects of Japan*. Tokyo, Add. **2**: 185-474 (In Japanese).
- 1931 *6000 Illustrated Insects of the Japan-Empire*. Tokyo: 1-1392 (In Japanese).
- 1932 *Illustrated common insects of Japan. 4. Hymenoptera, Diptera, Rhynchota*. Shunyodo: 23 plates. [Explanation in Japanese (Pp. 1-99) and English (Pp. 1-145), index (Pp. 1-9)].

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. *Magazin Insektenk. Illiger*, **2**: 259-281.
- 1804 *Klassifikation und Beschreibung der europäischen zweiflügeligen Insekten*. Braunschweig, **1**: XXVIII+1-152, **2**: VI+153-314.
- 1818 *Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten*. Aachen, **1**: XXXVI+1-333.

- 1830 *Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten*. Hamm, 6: XIV+1-401.
- 1838 *Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten*. Aachen, 7: XII+1-435.
- Meijere, J. C. H. de**
- 1904 Neue und bekannte Süd-Asiatische Dipteren. *Bijdr. Dierk.*, 17: 85-115.
- 1911 Studien über Südasiatische Dipteren, 5. Ostindische Tipulidae. *Tijdschr. Ent.*, 54: 21-79.
- 1913 Studien über Südasiatische Dipteren, 7. Ostindische Tipulidae. *Tijdschr. Ent.*, 56: 317-354.
- 1918 Neue holländische Dipteren. *Tijdschr. Ent.*, 61: 128-141.
- 1920 Studien über palaearktische, vorwiegend holländische Limnobiiden, insbesondere über ihre Kopulationsorgane. *Tijdschr. Ent.*, 62: 52-97.
- 1920 Derde supplement op de nieuwe naamlijst van Nederlandsche Diptera. *Tijdschr. Ent.*, 62: 161-195.
- 1920 Studien über palaearktische, vorwiegend holländische Limnobiiden, insbesondere über ihre Kopulationsorgane (Fortsetzung). *Tijdschr. Ent.*, 63: 46-86.
- 1921 Studien über palaearktische, vorwiegend holländische Limnobiiden, insbesondere über ihre Kopulationsorgane (Schluss). *Tijdschr. Ent.*, 64: 54-118.
- 1946 *Oxydiscus* changed in *Oxyrhiza*. *Ent. Ber., Amst.*, 12: 68.
- Melville, R. V.**
- 1960 Report on Mr. C. W. Sabrosky's proposal for the suppression under the plenary powers of the pamphlet entitled "Nouvelle classification des mouche a deux ailes" by J. W. Meigen, 1800 Z. N. (S). 191. *Bull. zool. Nom.*, 18: 9-64.
- 1981 The type species of *Atractocera* Meigen, 1803 (Diptera) is *Tipula regelationis* Linnaeus, 1758 (Opinion 1174). *Bull. zool. Nom.*, 38: 105-106.
- Mendl, H.**
- 1971 Limoniinen aus dem Räume Hamburg und Umgebung (Dipt., Tipul.). *Ent. Mitt. zool. Mus. Hamburg*, 4: 182-187.
- 1971 A new *Limonia* from Swedish Lapland (Dipt., Tipulidae). *Ent. scand.*, 2: 267-268.
- 1971 *Trichocera dahli* n. sp. Eine neue Trichoceride aus dem Allgäu (Diptera, Nematocera). *NachrBl. bayer. Ent.*, 20: 61-63.
- 1972 Förekomsten av *Chionea* i Messaureområdet. *Fauna och Flora*, 5: 200-201.
- 1972 *Plectromyia* Osten-Sacken. Ein für die Palaearktis neues Subgenus der Limoniinen-Gattung *Dicranota* (s. lat.) Zetterstedt. *Fragm. ent., Roma*, 8: 149-156.
- 1973 Limoniinen aus dem Entomologischen Institut in Bozen. 5. Beitrag zur Kenntnis der Limoniinen-Fauna Italiens mit 12 Abbildungen. *Entomologica*, 9: 179-186.

- 1973 Limoniinen aus dem Breitenbach (Diptera, Tipulidae). *Arch. Hydrobiol.*, **71**: 255-270.
- 1973 Limoniinen aus der Zoologischen Staatssammlung in München (Tipulidae, Diptera). *Opusc. zool.*, **123**: 1-7.
- 1973 Drei neue Eriopterini aus dem Allgäu (Diptera, Tipulidae). *NachrBl. bayer. Ent.*, **22**: 65-74.
- 1973 Eine neue Ilisia-Art aus dem Alpenbereich (Diptera, Tipulidae). *NachrBl. bayer. Ent.*, **22**: 114-117.
- 1973 Eine neue Limoniine aus der Türkei (Diptera, Tipulidae). *Mitt. schweiz. ent. Ges.*, **46**: 291-293.
- 1974 Småharkrankarna (Diptera, Tipulidae: Limoniinae) i Messaureområdet. *Norrbottnens Natur*, **30**: 68-71 (In Swedish).
- 1974 Limoniinen aus Norditalien (Diptera, Tipulidae). 6. Beitrag zur Kenntnis der Limoniinen-Fauna Italiens. *Entomologica*, **10**: 195-212.
- 1974 Ormosia (s. str.) baldensis sp. n., eine neue Limoniine aus den Südalpen (Diptera, Tipulidae). *NachrBl. bayer. Ent.*, **23**: 13-16.
- 1974 Neue Limoniinen aus Italien (Diptera, Tipulidae). 2. Beitrag zur Kenntnis der Limoniinen-Fauna Italiens. *Fragm. ent., Roma*, **9**: 205-224.
- 1974 Zum Problem der südlichen gelben Crunobia-Arten (Diptera, Tipulidae). 3. Beitrag zur Kenntnis der Limoniinen-Fauna Italiens. *Fragm. ent., Roma*, **10**: 25-37.
- 1975 Limoniinen aus dem Oberen Fulda-Gebiet insbesondere um Schlitz (Diptera, Tipulidae). *Beitr. Naturk. Osthessen*, **9/10**: 183-206.
- 1975 Eine neue Ormosia-Art aus dem Alpen (Diptera, Tipulidae). *NachrBl. bayer. Ent.*, **24**: 21-25.
- 1976 Limoniiden und Cylindrotomiden aus Nordtirol (Österreich) (Insecta: Diptera - Limoniidae, Cylindrotomidae). Revision der Limoniiden- und Cylindrotomiden-Sammlung Dr. Ernst Pechlaners, Innsbruck/Tirol. *Ber. naturw.-med. Ver. Innsbruck*, **63**: 269-285.
- 1976 Neue Limoniiden aus dem Allgäu und von Rhodos (Diptera, Limoniidae). *NachrBl. bayer. Ent.*, **25**: 33-40, 80.
- 1976 Die von Josef Palm um Ried im Innkreis gesammelten Limoniinen-Arten (Diptera, Limoniidae). *Naturk. Jahrb. Stadt Linz*, **22**: 127-136.
- 1977 Weitere Limoniiden und Cylindrotomiden (Diptera, Nematocera) aus den Sammlungen des Oberösterreichischen Landesmuseum zu Linz an der Donau. *Linzer biol. Beitr.*, **9**: 85-89.
- 1977 Limoniiden (Diptera, Nematocera) aus dem Allgäu. 1. Voralpengebiet. *Mitt. Münch. ent. Ges.*, **66**: 101-125.
- 1978 Die Limoniiden und Cylindrotomiden aus den Sammlungen des Oberösterreichischen Landesmuseums zu Linz a.d. Donau (Diptera - Limoniidae, Cylindrotomidae). *Naturk. Jahrb. Stadt Linz*, **23**: 35-50.
- 1978 Limoniidae. In: Illies, J. (ed.): *Limnofauna Europaea*, Ed. 2. Stuttgart: 367-377.

- 1979 Die Limoniiden-Abbildungen Meigens. *Beitr. Ent.*, **29**: 319-341.
- 1979 Revision der Limoniiden-Sammlung von Hans Bangerter im Naturhistorischen Museum zu Bern/Schweiz (Diptera, Nematocera). *Beitr. Ent.*, **29**: 343-372.
- 1979 Limoniiden (Ins.: Diptera, Nematocera) aus dem Mündungsgebiet des Ångern (Schweden, Ångermanland). *Fauna Norrlandica*, **1979**(2): 1-9.
- 1979 Limoniiden (Diptera, Nematocera) aus dem Gebiet des Torneträsk (Schwedisch-Lappland). *Fauna Norrlandica*, **1979**(5): 1-39.
- 1979 Neue und bisher erst wenig bekannte Limoniiden aus dem Mittelmeergebiet (Diptera, Nematocera, Limoniidae). *Spixiana*, **2**: 167-185.
- 1980 Remarkable finds of *Dicranomyia sera* (Walker) (Diptera, Limoniidae). *Ent. Tidskr.*, **101**: 108 (In Swedish).
- 1981 Limoniiden aus Frankreich. *Entomofauna*, **2**: 287-299.
- 1984 *Molophilus kallemuelleri*, eine neue Limoniide aus dem Mittelmeergebiet (Insecta - Diptera, Nematocera). *Articulata*, **2**: 101-103.
- 1984 Limoniidenfänge aus Jugoslawien (Diptera, Nematocera, Limoniidae). *NachrBl. bayer. Ent.*, **33**: 1-15.
- 1985 *Dicranota* (*Rhaphidolabina*) *claripennis* (Verrall, 1888) neu für Mitteleuropa (Diptera, Nematocera, Limoniidae). *NachrBl. bayer. Ent.*, **34**: 98-100.
- 1985 Eine neue *Tasiocera* Art aus dem Mittelmeergebiet (Diptera, Nematocera, Limoniidae). *Articulata*, **2**: 155-157.
- 1985 Eine neue *Baeoura*-Art aus dem Mittelmeergebiet (Diptera, Nematocera, Limoniidae). *Articulata*, **2**: 196-198.
- 1985 Zur Identität von "*Dicranomyia nigristigma* Nielsen, 1919" (Diptera, Nematocera, Limoniidae). *Articulata*, **2**: 199-204.
- 1986 Eine neue *Molophilus* Art von Kreta (Diptera, Nematocera, Limoniidae). *Articulata*, **2**: 235-237.
- 1986 Zwei neue *Baeoura* Arten aus der Westpaläarktis (Diptera, Nematocera, Limoniidae). *Articulata*, **2**: 293-298.
- 1986 Stelzmücken (Limoniidae) aus Bulgarien (Diptera, Nematocera). *Spixiana*, **9**: 275-282.
- 1987 Crane flies (Insecta, Nematocera, Limoniidae) in coastal areas of the Gulf of Bothnia. *Fauna Norrlandica*, **1987**(4): 1-16.
- 1987 Eine neue *Ellipteroides*-Art aus der Türkei (Diptera, Nematocera, Limoniidae). *Articulata*, **2**: 371-372.
- 1987 Zwei neue *Dicranota* Arten aus dem Mittelmeergebiet (Insecta: Diptera, Nematocera - Limoniidae). *Articulata*, **3**: 11-15.
- 1987 Eine neue *Protagonomyia* Subspecies aus der Ost Türkei (Insecta: Diptera, Nematocera - Limoniidae). *Articulata*, **3**: 17-20.
- 1987 Stelzmücken-Fänge aus Irland (Diptera, Nematocera, Limoniidae). Ein Beitrag zur Limoniiden-Fauna der Republik Irland. *Spixiana*, **10**: 209-223.

- 1988 Zwei Vertreter des Dicranota Subgenus *Rhaphidolabina* Alexander 1916 im Mittelmeergebiet (Insecta: Diptera, Nematocera - Limoniidae). *Articulata*, 3: 93-98.
- 1988 Zum Problem "Dicranota Reitteri Mik" sensu Lackschewitz, 1939 (Diptera, Nematocera: Limoniidae). *Articulata*, 3: 125-130.
- 1988 Weitere Limoniiden aus Jugoslawien (Diptera Nematocera, Limoniidae). *NachrBl. bayer. Ent.*, 37: 84-86.
- Mendl, H.** (See Stary, J. and Mendl, H.)
- Mendl, H. and Gullefors, B.**
- 1987 Limoniidenfänge am Forsån im südlichen Ångermanland (Sweden) (Insecta: Diptera - Limoniidae). *Fauna Norrlandica*, 1987(3): 1-9.
- Mendl, H., Müller, K. and Viramo, J.**
- 1977 Vorkommen und Verbreitung von *Chionea araneoides* Dalm., *C. crassipes* Boh. und *C. lutescens* Lundstr. (Diptera, Tipulidae) in Nordeuropa. *Notul. ent.*, 57: 85-90.
- Mendl, H. and Reusch, H.**
- 1989 Liste der aus der Bundesrepublik Deutschland bis jetzt bekannten Stelzmücken (Diptera Nematocera: Limoniidae). *Braunschw. naturkdl. Schr.*, 3: 429-453.
- Mendl, H. and Solem, J. O.**
- 1972 Notes on Norwegian Limoniinae (Dipt., Tipulidae). *Norw. J. Ent.*, 19: 73-76.
- Mendl, H., Solem, J. O. and Bretten, S.**
- 1987 Distribution and seasonal abundance of adult Limoniidae (Insecta Nematocera: Limoniidae) in the Dovrefjell National Park, South Norway. *Fauna norv. (B)*, 34: 63-72.
- Mendl, H. and Tjeder, B.**
- 1974 A new species of *Baeoura* from the island of Crete (Diptera, Tipulidae). *Ent. scand.*, 5: 247-250.
- 1976 *Baeoura malickyi* n. sp. from the Greek mainland and the island of Rhodes (Diptera, Tipulidae). *Ent. scand.*, 7: 237-238.
- Menier, J. J.**
- 1973 Les Ctenophorinae de France (Dipt. Tipulidae). *Annls Soc. ent. Fr. (N.S.)*, 9: 929-941.
- Menier, J. J. and Matile, L.**
- 1976 Un Tipulide aptère nouveau de France: *Niphadobata ancae* n. sp. *Dipt. Bull. Soc. ent. Fr.*, 81: 277-280.
- Meunier, F.**
- 1899 Études de quelques Diptères de l'Ambre tertiaire. *Bull. Soc. ent. Fr.*, 1899: 334-335, 358-359, 392-393.
- 1906 Monographie des Tipulidae et des Dixidae de l'Ambre de la Baltique. *Ann. Sci. nat. (Zool.)*, (9) 4: 349-401.

Mik, J.

- 1864 Dipterologische Beiträge. *Verh. zool.-bot. Ges. Wien*, **14**: 785-798.
- 1866 Beitrag zur Dipterenfauna des Österreichischen Küstenlandes. *Verh. zool.-bot. Ges. Wien*, **14**: 301-310.
- 1867 Dipterologische Beiträge zur "Fauna austriaca". *Verh. zool.-bot. Ges. Wien*, **17**: 413-423.
- 1869 Beiträge zur Dipteren-Fauna Oesterreichs. *Verh. zool.-bot. Ges. Wien*, **19**: 19-36.
- 1874 Beitrag zur Dipteren-Fauna Oesterreichs. *Verh. zool.-bot. Ges. Wien*, **24**: 329-354.
- 1882 Dipterologische Mittheilungen, 2. *Verh. zool.-bot. Ges. Wien*, **31**: 315-330.
- 1883 Zur Kenntniss der "Limnobia anomala" O. S. *Wien. ent. Ztg.*, **2**: 198-202.
- 1886 Ein neues hochalpines Dipteron. *Wien. ent. Ztg.*, **5**: 57-59.
- 1886 Dipterologische Miscellen, 3. *Wien. ent. Ztg.*, **5**: 317-318.
- 1887 Ueber Dipteren. *Verh. zool.-bot. Ges. Wien*, **37**: 173-188.
- 1889 In: Heyden, L. V. von: Beitrag zur Insectenfauna der östlichen Kirghisen-Steppe. *Horae Soc. ent. ross.*, **23**: 88-111.

Morge, G.

- 1984 Diptera collectionis P. Gabriel Strobl. - XIII (Typen-Designierung der Exemplaren der sogenannten "Typensammlung"). *Beitr. Ent.*, **34**: 319-335.

Motschulsky, V.

- 1859 Catalogue des insectes rapportés des environs de fl Amour, depuis la Schilka jusqu'à Nikolaëvsk, examinés et énumérés. *Bull. Soc. nat. Moscou*, **32**(3): 487-507.

Muschamp, P. A. H.

- 1947 A new crane fly (Dipt., Tipulidae) from Switzerland. *Entomologist's mon. Mag.*, **83**: 131.

Müller, K. (See Mendl, H., Müller, K. and Viramo, J.)**Müller, K.** (See Theischinger, G. and Müller, K.)**Müller, O. F.**

- 1764 *Fauna insectorum Friedrichsdalina*. Hafniae et Lipsiae [= Stockholm and Leipzig]: XXIV+1-96.
- 1776 *Zoologiae Danicae Prodomus*. Havniae [= Stockholm]: XXXII+1-272.

Narchuk, E. P. (See Savchenko E. N., Violovich, N. A. and Narchuk, E. P.)**Needham, J. G.**

- 1908 Report of the entomological field station conducted at Old Forge N.Y., in the summer of 1905. In: Felt, E. P.: 23rd report of the State Entomologist on injurious and other insects of the State of New York, 1907. *Bull. N.Y. St. Mus.*, **124**: 56-248.

Neumann, H.

- 1958 Der Bau und die Funktion der männlichen Genitalapparate von *Trichocera annulata* Meig. und *Tipula paludosa* Meig. (Dipt. Nematocera). *Dt. ent. Z. (N.F.)*, **5**: 235-298.

Nicolai, P.

- 1981 Lo stadio larvale di *Liponeura bezzii* Bischoff, 1924 (Diptera, Blephariceridae). *Fragm. ent.*, **15**: 19-23.
 1982 Note sulla tassonomia delle specie di *Liponeura* del gruppo *cinerascens* Loew (Diptera, Blephariceridae). *Fragm. ent.*, **16**: 281-287.
 1983 Blephariceridi (Diptera: Blephariceridae). *Guide per il riconoscimento delle specie animali delle acque interne Italiane (ed: Cons. naz. Ricerche)*, **25**: 1-45.

Nielsen, I. C.

- 1907 The insects of East-Greenland. *Meddr Grønland*, **29**: 363-409.

Nielsen, P.

- 1919 Description of a new species of Nematocera *Polyneura* from Denmark with notes concerning some other species. *Ent. Meddr*, **13**: 12-16.
 1920 Description of *Trichocera forcipula* n. sp., with notes on *Limnophila meridiana* Staeg. *Ent. Meddr*, **13**: 160-162.
 1922 Notes concerning the synonymy of Danish Tipulidae. *Vidensk. Meddr dansk naturh. Foren.*, **74**: 203-205.
 1923 *Ormosia danica* n. sp. *Vidensk. Meddr dansk naturh. Foren.*, **76**: 111-112
 1929 Contributions to the knowledge of the Palaearctic Tipulidae. *Notul. ent.*, **9**: 48-50.
 1933 Bidrag til en fortegnelse over Bornholms Insektfauna: Nematocera *Polyneura*. *Ent. Meddr*, **18**: 239-245 (In Danish).
 1940 A new species of craneflies from Denmark, *Limonia (Dicranomyia) esbeni* n. sp. (Dipt. Tipul.). *Ent. Meddr*, **20**: 575-576.
 1941 Danmarks Stankelben (Nematocera *polyneura*). *Flora Fauna*, **47**: 81-91.
 1941 Bidrag til en fortegnelse over Bornholms Insektfauna: Nematocera *Polyneura*. Tillaeg 1. *Flora Fauna*, **47**: 92-96 (In Danish).
 1947 Notes on Danish Nematocera, with a description of *Tipula jutlandica* n.sp. *Ent. Meddr*, **25**: 205-208.
 1950 Description of *Pedicia (Crunobia) zangheriana*, a new species of crane-flies from Italy (Diptera: Tipulidae). *Bull. Soc. ent. Ital.*, **80**: 48.
 1951 *Limonia (Dicranomyia) vibei* n. sp. from Grønland (Dipt. Tipul.). *Ent. Meddr*, **26**: 185-186.
 1953 Diagnosen über fünf neue europäische *Limoniinae* (Dipt. Tipulidae). *Z. wien. ent. Ges.*, **38**: 34-36.
 1959 Two *Limonia* from Yugoslavia new to science. *Glasn. Prirodov. Mus. Beograd (B)*, **12**: 211-212.
 1959 Three new species of *Limoniinae* from the Canary Islands. *Ent. Meddr*, **29**: 65-70.

- 1961 Tipulidae from the Azores and Madeira. *Commentat. biol.*, **24**(2): 1-7.
- 1961 *Phyllolabis mannheimsiana* n. sp. from the Canary Islands (Diptera, Nematocera). *Ent. Meddr*, **31**: 110-114.
- 1961 Ergebnisse der Deutschen Afghanistan-Expedition 1956 der Landessammlungen für Naturkunde Karlsruhe, Limoniidae (Diptera, Nematocera). *Beitr. naturk. Forsch. SüdwDtl.*, **19**: 305-307.
- 1962 The 3rd Danish expedition to central Asia. Zoological results 30. Nematocera (Insecta) from Afghanistan. *Vidensk. Meddr dansk naturh. Foren.*, **124**: 165-169.
- 1963 Records and descriptions of Nematocera from Afghanistan. *Stuttg. Beitr. Naturk.*, No **118**: 1-8.
- 1963 Nematocera Polyneura (Diptera) from the Azores and Madeira. *Bolm Mus. munic. Funchal*, **17**: 79-84.
- 1966 Limoniinae from Madeira, the Canary Islands and the Cape Verde Islands. *Notul. ent.*, **46**: 17-22.
- 1967 Limoniidae. In: Illies, J. (ed.): *Limnofauna Europaea*, Ed. 1. Stuttgart: 321-324.
- Nielsen, P.** (See Mannheims, B. and Nielsen, P.)
- Nobuchi, A.** (See Tokunaga, M., Ishida, H. and Nobuchi, A.)
- Noll, R.**
- 1985 Taxonomie und Ökologie der Tipuliden, Cylindrotomiden, Limoniiden und Trichoceriden unter besonderer Berücksichtigung der Fauna Ostwestfalens. *Decheniana, Beiheft* **28**: 1-265.
- Noll, R.** (See Caspers, N. and Noll, R.)
- Nørrevang, A.** (See Mannheims, B., Nørrevang, A. and Theowald, Br.)
- Novoa, F.** (See Eiroa (Alvarez), M. E. and Novoa, F.)
- Nowicki, M.**
- 1867 Beschreibung neuer Dipteren. *Verh. zool.-bot. Ges. Wien*, **17**: 337-354.
- 1869 Nowe owady. *Rocznik Tow. Nauk Kraków*, (3) **14**: 99-150.
- 1887 In: Beuthin, H.: Erster Beitrag zur Kenntnis der Dipteren der Umgegend von Hamburg. *Verh. Ver. naturw. Heimatforsch., Hamburg*, **6**: 11.
- O'Connor, J. P., O'Connor, M. A., Wallace, I. D. and Wallace, B.**
- 1986 Thaumastoptera calceata Mik (Diptera: Limoniidae) new to Ireland. *Ir. Nat. J.*, **22**: 118.
- O'Connor, M. A.** (See O'Connor, J. P., O'Connor, M. A., Wallace, I. D. and Wallace, B.)
- Oosterbroek, P.**
- 1975 Zwei neue Nephrotoma-Arten aus der cornicina-Gruppe (Diptera, Tipulidae). *Bull. zool. Mus. Univ. Amsterdam*, **4**: 119-124.
- 1978 The western palaearctic species of Nephrotoma Meigen, 1803 (Diptera, Tipulidae), part 1. *Beaufortia*, **27**: 1-137.
- 1979 The western palaearctic species of Nephrotoma Meigen, 1803 (Diptera, Tipulidae), part 2. *Beaufortia*, **28**: 57-111.

- 1979 The western palaearctic species of *Nephrotoma* Meigen, 1803 (Diptera, Tipulidae), part 3. *Beaufortia*, **28**: 157-203.
- 1979 The western palaearctic species of *Nephrotoma* Meigen, 1803 (Diptera, Tipulidae), part 4, including a key to the species. *Beaufortia*, **29**: 129-197.
- 1980 The western palaearctic species of *Nephrotoma* Meigen, 1803 (Diptera, Tipulidae), part 5, Phylogeny and Biogeography. *Beaufortia*, **29**: 311-393.
- 1982 New taxa and data of western Palaearctic *Nephrotoma* (Diptera, Tipulidae). *Ent. Ber., Amst.*, **42**: 41-44.
- 1985 The Japanese species of *Nephrotoma* (Diptera, Tipulidae). *Tijdschr. Ent.*, **127**: 235-278.
- 1985 Some Tipulidae new for Corsica and Sardinia (Diptera). *Ent. Ber., Amst.*, **45**: 121-122.
- Oosterbroek, P.** (See Theowald, Br. and Oosterbroek, P.)
- Oosterbroek, P.** (See Theowald, Br. Dufour, C. and Oosterbroek, P.)
- Oosterbroek, P., Schuckard, R. and Theowald, Br.**
- 1976 Die *Nephrotoma*-Verbreitung in der Welt (Diptera, Tipulidae). *Bull. zool. Mus. Univ. Amsterdam*, **5**: 111-123.
- Oosterbroek, P. and Theowald, Br.**
- 1980 Index to the writings of Charles P. Alexander mainly on Tipuloidea. Part 1. *Versl. techn. Geg. Inst. Tax. Zool. Univ. Amsterdam*, **21**: 1-131.
- 1980 Index to the writings of Charles P. Alexander mainly on Tipuloidea. Part 2. *Versl. techn. Geg. Inst. Tax. Zool. Univ. Amsterdam*, **25**: 1-108.
- Oosterbroek, P. and Vuković, M.**
- 1989 *Tipula* (*Lunatipula*) *graeca* n. sp. and other species related to *T. (L.) heros* (Diptera: Tipulidae). *Ent. Ber., Amst.*, **49**: 96-100.
- Oromi, P., Báez, M. and Machado, A.**
- 1978 Contribucion al estudio de los artropodos de las Islas Salvajes. *Historia natural de las Islas Salvajes*, **1**: 177-194.
- Osten Sacken, C. R.**
- 1854 Dipterologisches aus St. Petersburg. *Stettin. ent. Ztg.*, **15**: 203-213.
- 1860 New genera and species of North American Tipulidae with short palpi, with an attempt at a new classification of the tribe. *Proc. Acad. nat. Sci. Philad.*, **1859**: 197-256. [Usually cited as 1859.]
- 1861 Description of nine new North American Limnobiaceae. *Proc. Acad. nat. Sci. Philad.*, **1861**: 287-292.
- 1865 Description of some new genera and species of North American Limnobina. *Proc. ent. Soc. Philad.*, **4**: 224-242.
- 1869 Monographs of the Diptera of North America, 4. *Smithson. misc. Collns.*, **8**(219): XII+1-345.
- 1874 Report on the Diptera collected by Lieut. W. L. Carpenter in Colorado during the summer 1873. *Rep. U.S. geol. Survey Terr.*, **7** (1873): 545-566.
- 1876 Report on the Diptera brought home by Dr. Bessels from the arctic voyage of the "Polaris" in 1872. *Proc. Boston Soc. nat. Hist.*, **19**: 41-43.

- 1877 Western Diptera: Descriptions of new genera and species of Diptera from the region west of the Mississippi and especially from California. *Bull. U.S. geol. geogr. Survey Terr.*, **3**: 189-354.
- 1881 Enumeration of the Diptera of the Malay Archipelago collected by Prof. Odoardo Beccari, Mr. L. M. d'Albertis and others. *Annali Mus. civ. Stor. nat. Genova*, **16**: 393-492.
- 1884 List of the Diptera of the island of Madeira, so far as they are mentioned in entomological literature. *Entomologist's mon. Mag.*, **21**: 32-34.
- 1887 Studies on Tipulidae. Part 1. Review of the published genera of the Tipulidae longipalpi. *Berl. ent. Z.*, **30**: 153-188. [Usually cited as 1886.]
- 1888 Studies on Tipulidae. Part 2. Review of the published genera of the Tipulidae brevipalpi. *Berl. ent. Z.*, **31**: 163-242. [Usually cited as 1887.]
- Pagast, F.** (See Lackschewitz, P. and Pagast, F.)
- Pakalniskis, S. A.**
- 1989 List of the Lithuanian Diptera (to 1988 inclusive). In: *New and rare for the Lithuanian SSR insect species. Records and descriptions of 1989*. Inst. Zool. Parasit. Acad. Sci. Lith. SSR, Vilnius: 32-85.
- Pallas, P. S.**
- 1771 *Reise durch verschiedene Provinzen des Russischen Reichs*. Petersburg [= Leningrad], **1**: XII+1-504.
- 1773 *Reise durch verschiedene Provinzen des Russischen Reichs*. Petersburg [= Leningrad], **2**: X+1-744.
- Panzer, G. W. F.**
- 1798 *Faunae Insectorum Germanicae initia*. Nürnberg, **59**: 1-24.
- 1804 *Enumerationis Systematicae D. Jac. Christiani Schaefferi Iconum Insectorum Ratisbonensium*. Erlangen, **1**: XVI+1-260.
- Parkhomenko, S. I.** (See Savchenko, E. N. and Parkhomenko, S. I.)
- Parui, P.** (See Joseph, A. N. T. and Parui, P.)
- Pechlaner, E.** (See Mannheims, B. and Pechlaner, E.)
- Pennak, R. W.**
- 1945 Notes on mountain midges (Deuterophlebiidae) with a description of the immature stages of a new species from Colorado. *Am. Mus. Novit.*, **1276**: 1-10.
- 1951 Description of the imago of the mountain midge *Deuterophlebia coloradensis* Pennak (Diptera, Deuterophlebiidae). *Am. Mus. Novit.*, **1534**: 1-11.
- Perris, E.**
- 1843 In: Amyot, C. J. B. and Serville, A.: *Histoire naturelle des Insectes*. Roret's Suites à Buffon. Hémiptères. Paris: LXXVI+1-675.
- Peus, F.**
- 1952 17. Cylindrotomidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, **3**(5)3, Lief. 169: 1-80.
- 1958 10a. Tanyderidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, **3**(1), Lief. 200: 1-9.

- 1958 10b. Liriopidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, 3(1), Lief. 200: 10-44.
- 1967 Ptychopteridae, Chaoboridae, Dixidae. In: Illies, J. (ed.): *Limnofauna Europaea*, Ed. 1. Stuttgart: 330-334.
- Philippi, R. A.**
- 1865 Aufzählung der Chilenischen Dipteren. *Verh. zool.-bot. Ges. Wien*, **15**: 595-782.
- Pierre, C.**
- 1917 Description d'un Pachyrhina nouveau des Pyrénées (Dipt. Tipulidae). *Bull. Soc. ent. Fr.*, **1917**: 304-306.
- 1918 Contribution au catalogue des Diptères de France. Tipuliformes, Nematocera-Polyneura, Limnobiidae-Tipulidae-Cylindrotimidae. *Soc. Linn.*, **65**: 63-76.
- 1919 Description d'un Pachyrhina nouveau du Lyonnais (Diptera Tipulidae). *Bull. Soc. ent. Fr.*, **1918**: 230-232. [Usually cited as 1918.]
- 1919 Descriptions de deux Pachyrhina nouveaux, de France (Dipt. Tipulidae). *Bull. Soc. ent. Fr.*, **1919**: 284-286.
- 1919 Diptères envoyés au Muséum de Paris par l'armée d'Orient: Nematocera, Polyneura. *Bull. Mus. natn. Hist. nat. Paris*, **25**: 612-619.
- 1920 Descriptions de trois Tipula nouveaux de France (Dipt. Tipulidae). *Bull. Soc. ent. Fr.*, **1920**: 162-166.
- 1921 Faune entomologique des Iles Canaries, IV, Diptères: Tipulidae. *Bull. Mus. natn. Hist. nat. Paris*, **27**: 298-301.
- 1921 Descriptions de deux Tipula nouveaux (Dipt. Tipulidae). *Bull. Soc. ent. Fr.*, **1921**: 47-49.
- 1921 Nematocera Polyneura recueillis au Maroc par M. Charles Alluaud (1919-1920) (Insectes Diptères). *Bull. Soc. Sci. nat. Maroc*, **1**: 21-24.
- 1921 Nematocera Polyneura recueillis au Maroc par M. Charles Alluaud (2e liste, 1920-1921) (Insectes Diptères). *Bull. Soc. Sci. nat. Maroc*, **1**: 148-151.
- 1922 Descriptions de trois Tipula nouveaux des Pyrénées (Dipt. Tipulidae). *Bull. Soc. ent. Fr.*, **1921**: 262-265. [Usually cited as 1921.]
- 1923 Tipulidae d'Egypte capturés par M. Hassan Efflatoun (Dipt.). *Bull. Soc. R. ent. Égypte*, **1922**: 81-85.
- 1924 Nematocera Polyneura recueillis au Maroc par M. Charles Alluaud (3e liste, 1922-1923) (Insectes Diptères). *Bull. Soc. Sci. nat. Maroc*, **4**: 198-201.
- 1924 Tipulidae nouveaux d'Algérie. *Encycl. ent. (B II) Dipt.*, **1**: 9-12.
- 1924 Tipulidae nouveaux. *Encycl. ent. (B II) Dipt.*, **1**: 79-93.
- 1925 Tipulidae nouveaux. *Encycl. ent. (B II) Dipt.*, **2**: 7-12.
- 1926 Tipulidae nouveaux. *Encycl. ent. (B II) Dipt.*, **3**: 13-16.
- 1926 Tipulidae nouveaux pour la faune de France. *Encycl. ent. (B II) Dipt.*, **3**: 21-22.
- Plyushtch, G. I.** (See Plyushch, G. I.)
- Plyushch, G. I.** (See Savchenko, E. N. and Plyushch, G. I.)

Poda, N.

- 1761 *Insecta musei graecensis que in ordines, genera et species juxta Systema Naturae Caroli Linnaei. Graecii [= Graz]: 1-127+20.*

Podénas, S.

- 1988 32 new to the Lithuanian SSR Limoniid species, found in 1984-1986. In: *New or rare for the Lithuanian SSR insect species. Records and descriptions of 1987.* Vilnius: 80-87 (In Russian).

Pokorný, E.

- 1887 Neue Tipuliden aus der österreichischen Hochalpen. *Wien. ent. Ztg.*, **4**: 50-60.

Pokorný, P.

- 1978 Zur Morphologie und Taxonomie der Eloeophila-Larven und -Puppen. *Acta ent. bohemoslov.*, **75**: 130-142.

Portschinsky, J.

- 1873 Descriptions de quelques Diptères nouveaux de la Sibérie orientale. *Horae Soc. ent. ross.*, **9**: 287-291. [Usually cited as 1872.]
 1887 Diptera europaea et asiatica nova aut minus cognita. *Horae Soc. ent. ross.*, **21**: 3-20.

Preyßler, J. D. E.

- 1791 Beschreibungen und Abbildungen derjenigen Insekten, welche in Sammlungen nicht aufzubewahren sind, dann aller, die noch ganz Neu, dann solcher, von denen wir noch keine oder doch sehr schlechte Abbildungen besitzen [part]. *Mayer Samml. Naturhist. Physikal. Aufsätze, Dresden*, **1**: 55-151.

Pritchard, G.

- 1983 Biology of Tipulidae. *Ann. Rev. Ent.*, **28**: 1-22.

Rautio, A.

- 1985 Diptera (Finland). *Notul. ent.*, **65**: 166.

Razoumowsky, G. de

- 1789 *Histoire Naturelle du Jorat et de ses environs.* Lausanne, **1**: XVI+1-321.

Rees, B. E. and Ferris, G. F.

- 1939 The morphology of *Tipula reesi* Alexander (Diptera: Tipulidae). *Microentomology*, **4**: 143-178.

Remm, H.

- 1986 Eesti Sääriksääsklased (Diptera, Tipulidae). *Abiks loodusevaatlajale*, **86**: 1-70.

Reusch, H.

- 1988 *Niphadobata belgica* (Becker, 1912) neu für Deutschland (Diptera: Limoniidae). *Ent. Z.*, **98**: 300-304.
 1988 Stelzmücken der Sammlung Beling im Staatlichen Naturhistorischen Museum Braunschweig, 1. Imagines. *Braunschw. naturkd. Schr.*, **3**: 19-28.

- 1988 Faunistische und phänologische Untersuchungen über Stelzmücken des Niedersächsischen Tieflandes (Diptera: Limoniidae). *Braunsch. naturkd. Schr.*, 3: 171-203.
- 1988 *Untersuchungen zur Faunistik, Phänologie und Morphologie der Limoniidae im Niedersächsischen Tiefland (Insecta, Diptera, Nematocera)*. Dissertation Universität Hamburg: 1-154+77 Taf.
- 1989 Stelzmücken im Tiefland Norddeutschlands (Diptera Nematocera: Limoniidae). *Braunsch. naturkd. Schr.*, 3: 455-472.
- Reusch, H.** (See Mendl, H. and Reusch, H.)
- Rhynehart, J. G.**
- 1925 The larva and pupa of *Trichocera regelationis* L. (Diptera, Rhyphidae). *Proc. Belfast Nat. Hist. and Phil. Soc.*, 102nd session: 36-50.
- Riedel, M. P.**
- 1910 Die paläarktischen Arten der Dipteren-(Nematocera polyneura-) Gattung *Pachyrhina* Macq (Dipt.) Suit á Buff. (1834.). *Dt. ent. Z.*, 1910: 409-437.
- 1913 Die paläarktischen Arten der Dipteren-Gattung *Tipula* L. *Abh. Ver. naturw. Erforsch. Niederrheins (Bezirksgr. D. Leherever. Naturk.)*, Krefeld, 1: 1-122.
- 1914 Neue und wenig bekannte Limnobiiden aus dem Ungarischen National Museum (Dipt.). *Annls hist.-nat. Mus. natn. hung.*, 12: 146-152.
- 1917 H. Sauter's Formosa-Ausbeute: *Nematocera polyneura* (Dipt.), 3. *Arch. Naturgesch.*, 82(A)(5): 109-116.
- 1918 Alte und neue *Tipula*. *Arch. Naturgesch.*, 82(A)(11): 113-118.
- 1919 Résultats scientifiques de l'Expédition des frères Kuznecov (Kouznetsov) à l'Oural Arctique en 1909, sous la direction de H. Backlund, 8. *Nematocera polyneura*. *Zap. ross. Akad. Nauk [Mém. Acad. Sci. Russ.]*, (8) 28(8): 1-10.
- 1920 *Nematocera Polyneura* (Dipt.) aus dem Kaukasus. *Zool. Jb. Syst.*, 43: 13-22.
- 1920 *Tanyderus beckeri* n. sp. aus Turkestan. Die erste rezente, paläarktische Art der Familie Tanyderidae. *Zool. Jb. Syst.*, 43: 365-370.
- 1925 Eine neue *Tipula* aus Dalmatien (Dipt. Tipulidae). *Dt. ent. Z.*, 1925: 84-85.
- Rietschel, P.**
- 1961 Bau, Funktion und Entwicklung der Haftorgane der Blepharoceriden-larven. *Z. Morph. Ökol. Tiere*, 50: 239-265.
- Risso, A.**
- 1826 *Histoire naturelle des principales productions de l'Europe Méridionale*. Paris, 5: 1-383.
- Röder, V. von**
- 1890 Zwei neue nordamerikanische Dipteren. *Wien. ent. Ztg.*, 9: 230-232.

Rogers, J. S.

- 1926 A new *Dicranomyia* allied to *Dicranomyia immodesta* Osten Sacken. *Fla Ent.*, 9: 49-52.

Rohdendorf, B. B.

- 1977 System and phylogeny of the Diptera. In: Gorodkov, K. B. (ed.): *Systematics and evolution of the Diptera*. Leningrad: 81-88 (In Russian).

Rohdendorf, B. B. and Kalugina, N. S.

- 1974 The discovery of a member of the peculiar family Nymphomyiidae (Diptera) in the Maritime Territory. *Ent. Obozr.*, 53: 686-694 (In Russian) (English translation: *Ent. Rev.*, 53(3): 146-151).

Rondani, C.

- 1842 Nouveau Genre de Diptère Tipulaire sans ailes. *Revue zool.*, 5: 243.
 1842 Note sur un nouveau genre d'Insecte Diptère subaptère. *Magasin Zool. Paris*, (2) 4: 1-2.
 1856 *Dipterologiae Italicae Prodromus. Genera Italica ordinis dipterorum ordinatim disposita et distincta et in familias et stirpes aggregata*. Parmae [= Parma], 1: 1-228.
 1861 *Dipterologiae Italicae Prodromus. Genera Italica ordinis dipterorum ordinatim disposita et distincta et in familias et stirpes aggregata*. Parmae [= Parma], 4: 1-174.

Rose, J. H.

- 1963 Supposed larva of *Protanyderus vipio* (Osten-Sacken) discovered in California (Diptera: Tanyderidae). *Pan-Pacif. Ent.*, 39: 272-275.

Roser, K. L. V. von

- 1840 3. Beiträge zur Vaterlandskunde. Erster Nachtrag zu dem im Jahre 1834 bekannt gemachten Verzeichnisse in Württemberg vorkommender zweiflügliger Insekten. *CorrespBl. württ. landw. Ver.*, Stuttg. (N.S.), 17(1): 49-64.

Rossi, F.

- 1848 *Systematisches Verzeichniss der zweiflügelichten Insecten (Diptera) des Erzherzogthumes Österreich mit Angabe des Standortes, der Flugzeit und einigen andern physiologischen Bemerkungen*. Wien: X+1-86.

Rossi, P.

- 1794 *Mantissa Insectorum*. Pisis, 2: 1-154.

Rozkošný, R. (See Stary, J. and Rozkošný, R.)**Rozkošný, R.** (See Zwyrtek, K. and Rozkosný, R.)**Rybin, S. N.** (See Savchenko, E. N. and Rybin, S. N.)**Sagdiyeva, P. D.** (See Savchenko, E. N. and Sagdiyeva, P. D.)**Sakwa, S.**

- 1962 Tipulidae (Diptera) of the Lodz Upland. *Fragm. Faun.*, 9: 307-329 (In Polish with English summary).

Santos Abreu, D. E.

- 1923 Monografía de los Limonidos de las Islas Canarias. *Mems R. Acad. Cienc. Artes Barcelona*, 18: 35-164.
- 1926 Monografía de los Tipulidos de las Islas Canarias. *Mems R. Acad. Cienc. Artes Barcelona*, 29: 441-457.

Sasakawa, M.

- 1986 A new species of Chionea Dalman from Japan. *Akita (N.S.)*, 77: 1-4.

Savchenko, E. N. (Savtshenko, E. N.)

- 1952 A new species of crane-fly (Diptera, Tipulidae) from the Ukrainian SSR. *Ent. Obozr.*, 32: 307-310 (In Russian).
- 1952 New species of crane-flies (Diptera, Tipulidae) from the Caucasus and northern Iran. *Trudy zool. Inst., Leningr.*, 12: 321-347 (In Russian).
- 1953 Three new species of crane-flies (Diptera, Tipulidae) from Sovjet Middle Asia. *Trudy Zoomus. KDU*, 3: 101-109 (In Russian).
- 1954 New species of crane-flies (Diptera, Tipulidae) from the european parts of the USSR. *Trudy zool. Inst., Leningr.*, 15: 192-198 (In Russian).
- 1954 New species of crane-flies (Diptera, Tipulidae) for the fauna of the USSR. *Trudy Zoomus. KDU*, 4: 109-132 (In Ukrainian).
- 1954 New species of crane-flies (Diptera, Tipulidae) from the Tadzhik SSR. *Dokl. Akad. Nauk Tadzhik SSR*, 12: 47-51 (In Russian).
- 1954 Two new species of crane-flies (Diptera, Tipulidae) from the steppen-region of the European part of the USSR. *Zbirn. Prats zool. Mus., Kiev*, 26: 87-94 (In Ukrainian).
- 1955 A review of the palaearctic crane-fly (Diptera, Tipulidae) species of the Tipula aino group Alex. *Zool. Zh.*, 34: 822-836 (In Russian).
- 1955 Two new species of crane-flies (Diptera, Tipulidae) with short-winged males. *Ent. Obozr.*, 34: 287-297 (In Russian).
- 1956 Survey of the palaearctic species of crane-flies (Diptera, Tipulidae) from the Tipula juncea Mg. group. *Trudy Zool. Mus. KDU*, 5 [Nauk. Zap. KDU, 15(3)]: 129-148 (In Ukrainian).
- 1956 On the fully winged form of Tipula (Vestiplex) opilionimorpha Sav. (Diptera, Tipulidae). *Ent. Obozr.*, 35: 124-129 (In Russian).
- 1956 Contribution to the crane-fly fauna (Diptera, Tipulidae) of the Kuril Islands. *Trudy dal'nevost. Fil. Akad. Nauk SSR, Ser. Zool.*, 3: 173-180 (In Russian).
- 1957 Two new species of crane-flies (Diptera, Tipulidae) from the North Caucasus. *Zool. Zh.*, 36: 1493-1499 (In Russian).
- 1957 New palaearctic Pales Mg. (Diptera, Tipulidae). *Ent. Obozr.*, 36: 211-223 (In Russian and English).
- 1960 A contribution to the taxonomy of crane-flies (Diptera, Tipulidae) of the subgenus Vestiplex Bezzi of the genus Tipula L. *Horae Soc. ent. ross.*, 47: 143-216 (In Russian).

- 1960 Scientific results of the Chinese-Soviet zoological-botanical expeditions of 1955-1957 to South-Western China. On the Crane-flies (Diptera, Tipulidae) of SW China. *Ent. Obozr.*, **39**: 885-892 (In Russian).
- 1961 On the crane-fly fauna (Diptera, Tipulidae) of the Tuva. *Zool. Zh.*, **40**: 1893-1896 (In Russian).
- 1961 Crane-flies (Diptera, Tipulidae), Subfam. Tipulinae, Genus *Tipula* L., 1. *Fauna USSR, Diptera*, **2**(3), (N.S.), 79: 1-488 (In Russian).
- 1963 New species of *Dactylolabis* O.-S. (Diptera, Limoniidae) from the Crimea. *Dopov. Akad. Nauk ukr. RSR (B)*, **1963**: 129-132 (In Ukrainian).
- 1964 Crane-flies (Diptera, Tipulidae), Subfam. Tipulinae, Genus *Tipula* L., 2. *Fauna USSR, Diptera*, **2**(4), (N.S.), 89: 1-503 (In Russian).
- 1964 New species of *Tipula* L. from the livida-group (Diptera, Tipulidae). *Dopov. Akad. Nauk ukr. RSR (B)*, **1964**: 1394-1397 (In Ukrainian).
- 1964 New crane-flies (Diptera, Tipulidae) for the fauna of the far-eastern USSR. *Pratsi Inst. Zool. Akad. Nauk ukr. RSR, Kiev*, **20**: 180-192 (In Ukrainian).
- 1964 On the taxonomy of *Pales impigra* (Al.) and *P. pleuromaculata* (Al.) (Diptera, Tipulidae). *Ent. Obozr.*, **43**: 890-893 (In Russian).
- 1965 On the taxonomy and geographical distribution of *Limonia ladogensis* Lack. (Diptera, Limoniidae). *Dopov. Akad. Nauk ukr. RSR (B)*, **1965**: 382-385 (In Ukrainian).
- 1965 Limoniidae of the genus *Limonia* Mg., new for the fauna of the European part of the USSR. *Dopov. Akad. Nauk ukr. RSR (B)*, **1965**: 1240-1243 (In Ukrainian).
- 1965 A new species of crane-flies (Diptera, Tipulidae) from the himalayensis-group. *Dopov. Akad. Nauk ukr. RSR (B)*, **1965**: 1523-1525 (In Ukrainian).
- 1965 A new species of crane-flies (Diptera, Tipulidae) from Magadan. *New and little-known species of Siberian fauna*, **1**: 29-32 (In Russian).
- 1966 Two new eastpalearctic species of *Nephrotoma* Meig. (Diptera, Tipulidae). *Bonn. zool. Beitr.*, **17**: 260-264.
- 1966 Contribution to the crane-fly fauna (Diptera, Tipulidae) of the Ukrainian Carpathians. *Problemy Zoologii, Akad. Nauk ukr. RSR, Kiev*: 104-121 (In Ukrainian).
- 1966 New Far Eastern species of *Tipula* L. (Diptera, Tipulidae) from the irrorata-group. *Dopov. Akad. Nauk ukr. RSR (B)*, **1966**: 1092-1094 (In Ukrainian).
- 1966 Contribution to the crane-fly fauna of the southern Magadan oblast. *Entomofauna Lesov, Moscow*, **1966**: 90-96 (In Russian).
- 1966 Tipulidae. *Fauna Ukrainy*, **14**(1): 1-551 (In Ukrainian).
- 1967 *Phyllolabis* O.-S., a genus of Limoniid-flies new for the USSR (Diptera, Limoniidae). *Vestn. zool.*, **1967**(4): 16-21 (In Russian).

- 1968 New and little known species of crane-flies (Diptera, Tipulidae) from the Transcaucasus. *Ent. Obozr.*, **47**: 912-936 (In Russian) (English translation: *Ent. Rev.*, **47**: 557-571).
- 1968 On a new species of the crane-fly (Diptera, Tipulidae) from Kamchatka. *Zool. Zh.*, **47**: 1567-1570 (In Russian).
- 1968 Crane-flies (Diptera, Tipulidae) new for the fauna of the USSR. *Dopov. Akad. Nauk ukr. RSR (B)*, **1968**: 469-472 (In Ukrainian).
- 1968 A new species of the crane-fly (Diptera, Tipulidae) from the Tipula (Yamatotipula) caesia Schumm. group. *Dopov. Akad. Nauk ukr. RSR (B)*, **1968**: 766-768 (In Ukrainian).
- 1968 New species of crane-flies (Diptera, Tipulidae) from the Georgien SSR. *Vestn. zool.*, **1968**(5): 29-32 (In Russian).
- 1969 On some little-known crane-flies (Diptera, Tipulidae) of the Transcaucasus. *Zbirn. Prats Zool. Mus., Kiev*, **33**: 51-60 (In Ukrainian).
- 1969 New Sinotipula Al. (Diptera, Tipulidae) from the highlands of the Central Asia. *Dopov. Akad. Nauk ukr. RSR (B)*, **1969**: 653-655 (In Ukrainian).
- 1969 New subarctic species of the Limoniid flies from the genus Austrolimnophila Al. (Diptera, Limoniidae). *Dopov. Akad. Nauk ukr. RSR (B)*, **1969**: 1117-1120 (In Ukrainian).
- 1969 The taxonomic status, geographical distribution and intraspecific structure of the Limoniid-fly Dactylolabis aberrans Sav. (Diptera, Limoniidae). *Vestn. zool.*, **1969**(6): 36-45 (In Russian).
- 1970 Crane-flies from the Tipula (Lunatipula) zarnigor-group (Diptera, Tipulidae). *Dopov. Akad. Nauk ukr. RSR (B)*, **1970**: 371-374 (In Ukrainian).
- 1970 Additions on the fauna of crane-flies (Diptera, Tipulidae) of the Southern Kuriles. *Ent. Obozr.*, **49**: 108-123 (In Russian) (English translation: *Ent. Rev.*, **49**(1): 61-70).
- 1970 On a stenopterous form of Dicranomyia complicata de Meijere (Diptera, Limoniidae). *Dopov. Akad. Nauk ukr. RSR (B)*, **1970**: 466-469 (In Ukrainian).
- 1970 A new subgenus and species of Mosquito-Limoniidae from the genus Dicranoptycha O.-S. (Diptera, Limoniidae). *Dopov. Akad. Nauk ukr. RSR (B)*, **1970**: 563-566 (In Ukrainian).
- 1971 A new species of Austrolimnophila Al. (Diptera, Limoniidae). *Dokl. Akad. Nauk Tadzhik SSR*, **4**: 58-60 (In Russian).
- 1971 Contributions to the Limoniid-fly fauna (Diptera, Limoniidae) of the USSR, 1. Subfamily Eriopterinae, genus Arctoconopa Al. *Vestn. zool.*, **1971**(1): 12-17 (In Russian).
- 1971 New palaearctic species of Limoniid-flies (Diptera, Limoniidae), 1. The genus Prionolabis O.-S. *Dopov. Akad. Nauk ukr. RSR (B)*, **1971**: 754-756 (In Ukrainian).

- 1971 New palaeartic species of Limoniid-flies (Diptera, Limoniidae), 2. The genus *Antocha* O.-S. *Dopov. Akad. Nauk ukr. RSR (B)*, **1971**: 855-857 (In Ukrainian).
- 1971 New palaeartic species of Limoniid-flies (Diptera, Limoniidae), 3. The genus *Gonempeda* Al. *Dopov. Akad. Nauk ukr. RSR (B)*, **1971**: 949-951 (In Ukrainian).
- 1971 *Afrolimnophila* Al, a subgenus of Limoniid-flies (Diptera, Limoniidae) new for the palaeartic fauna. *Vestn. zool.*, **1971**(6): 10-16 (In Russian).
- 1971 Notes on palaeartic crane-flies (Diptera, Tipulidae). *Zbirn. Prats Zool. Mus., Kiev*, **34**: 53-58 (In Ukrainian).
- 1971 Supplements to the crane-flies fauna (Diptera, Tipulidae) from the Magadan region. *Zbirn. Prats Zool. Mus., Kiev*, **34**: 58-59 (In Ukrainian).
- 1971 A new brachypterous species of crane-flies of the genus *Dactylolabis* O.-S. (Diptera, Limoniidae) from the high mountain zone of Mongolia. *Ent. Obozr.*, **50**: 163-166 (In Russian) (English translation: *Ent. Rev.*, **50**(1): 94-96).
- 1971 On the discovery of Tanyderidae (Diptera) in Mongolia. *Ent. Obozr.*, **50**: 167-170 (In Russian) (English translation: *Ent. Rev.*, **50**(1): 96-98).
- 1972 New palaeartic species of Limoniid-flies (Diptera, Limoniidae), 4. The genus *Dicranota* Ztt. *Dopov. Akad. Nauk ukr. RSR (B)*, **1972**: 182-184 (in Ukrainian).
- 1972 The palaeartic Limoniid-flies (Diptera, Limoniidae) of the subgenus *Cladolipes* Lw. *Dopov. Akad. Nauk ukr. RSR (B)*, **1972**: 466-470 (In Ukrainian).
- 1972 New palaeartic species of Limoniid-flies (Diptera, Limoniidae), 5. The genus *Cheilotrichia* Rossi. *Dopov. Akad. Nauk ukr. RSR (B)*, **1972**: 560-562 (In Ukrainian).
- 1972 Contributions to the fauna of Limoniid-flies (Diptera, Limoniidae) of the USSR. The subfamily Eriopterinae, genus *Mesocyphona* O.-S. *Vestn. zool.*, **1972**(5): 26-33 (In Russian).
- 1972 The Limoniid-flies (Diptera, Limoniidae) collected by the Soviet Mongolian expedition 1967-1969. *Insects of Mongolia*, **1**: 721-737 (In Russian).
- 1972 Additions to the fauna of crane-flies (Diptera, Tipulidae) of Mongolia. *Insects of Mongolia*, **1**: 739-740 (In Russian).
- 1972 Some new palaeartic species of the genus *Erioptera* (Diptera, Limoniidae). *Zool. Zh.*, **51**: 671-681 (In Russian).
- 1972 New subgenera and species of the genus *Gonomyia* (Diptera, Limoniidae). *Zool. Zh.*, **51**: 1329-1341 (In Russian).
- 1973 A new Limoniid-fly (Diptera, Limoniidae) from the *Paradelphomyia* (*Oxyrhiza*) *nipponensis* Al. group. *Dopov. Akad. Nauk ukr. RSR (B)*, **1973**: 280-282 (In Ukrainian).
- 1973 New and little-known palaeartic species of Limoniid-flies (Diptera, Limoniidae), 1. The genera *Ormosia* Rond. and *Scleroprocta* Edw. *Ent. Obozr.*,

- 52: 440-462 (In Russian) (English translation: *Ent. Rev.*, 52(2): 303-320).
- 1973 Distribution and new sibling species of the Limoniid-fly *Phylidorea* (s. str.) *ferruginea* (Mg.) (Diptera, Limoniidae). *Dopov. Akad. Nauk ukr. RSR (B)*, 1973: 371-373 (In Ukrainian).
- 1973 Two new species of Limoniid-flies (Diptera, Limoniidae) from the south of the USSR. *Dopov. Akad. Nauk ukr. RSR (B)*, 1973: 568-571 (In Ukrainian).
- 1973 Additions to the crane-flies (Diptera, Tipulidae) of the Transcaucasus. *Zbirn. Prats Zool. Mus., Kiev*, 35: 29-37 (In Ukrainian).
- 1973 Two new species of Limoniid-flies (Diptera, Limoniidae) from the Ukrainian Carpathians. *Zbirn. Prats Zool. Mus., Kiev*, 35: 38-42 (In Ukrainian).
- 1973 Crane-flies (Fam. Tipulidae), Subfam. Tipulinae (End) and Flabelliferinae. *Fauna USSR, Diptera*, 2(5), (N.S.), 105: 1-282 (In Russian).
- 1974 Dipteren aus der Mongolischen Volksrepublik. Ergebnisse der Mongolisch-Deutschen Biologischen Expeditionen seit 1962. Nr. 65. *Mitt. zool. Mus. Berl.*, 50: 223-232 [Familie Tipulidae: 223-224.]
- 1974 Two new species of Limoniid-flies (Diptera, Limoniidae) from the mountains of Middle Asia. *Dopov. Akad. Nauk ukr. RSR (B)*, 1974: 470-473 (In Ukrainian).
- 1974 The palaearctic species of Limoniid-flies (Diptera, Limoniidae) from the *Ilisia maculata* (Meigen, 1804) group. *Zool. Zh.*, 53: 473-477 (In Russian).
- 1974 The second species of the primitive crane-flies (Diptera, Tanyderidae) from the Soviet Middle Asia. *Zool. Zh.*, 53: 1892-1894.
- 1974 The palaearctic species of Limoniid-flies (Diptera, Limoniidae) of the *Cheilotrichia* (s. str.) *exigua* Lack. group. *Dopov. Akad. Nauk ukr. RSR (B)*, 1974: 942-946 (In Ukrainian).
- 1974 New palaearctic species of Limoniid-flies (Diptera, Limoniidae), 6. The genera *Dicranomyia* Steph. and *Rhipidia* Mg. *Vestn. zool.*, 1974(4): 65-71 (In Russian).
- 1974 New palaearctic species of Limoniid-flies (Diptera, Limoniidae), 7. The genera *Dicranoptycha* O.-S., *Orimarga* O.-S. and *Thaumastoptera* Mik. *Vestn. zool.*, 1974(6): 31-36 (In Russian).
- 1975 A new species of *Ormosia* (Diptera, Limoniidae) from Bulgaria. *Dokl. Akad. Nauk ukr. RSR (B)*, 1975: 950-952 (In Russian).
- 1975 On taxonomy and geographical distribution of the Limoniid-fly *Dicranoptycha* (*Ulugbekia*) *mirabilis* Sav. (Diptera, Limoniidae). *Dokl. Akad. Nauk ukr. RSR (B)*, 1975: 1042-1045 (In Russian).
- 1976 *Molophilus* (s. str.) *ermolenkoi* Sav., a new species of the Limoniid-flies (Diptera, Limoniidae) from the Ukrainian Carpathians. *Dokl. Akad. Nauk ukr. RSR (B)*, 1976: 373-377 (In Russian).

- 1976 On the fauna of Limoniid-flies (Diptera, Limoniidae) of the USSR, 1. Genus *Elephantomyia* O.-S. *Dopov. Akad. Nauk ukr. RSR (B)*, **1976**: 466-470 (In Ukrainian).
- 1976 Limoniid-flies (Diptera, Limoniidae) of the subgenus *Palaeogonomyia* Meunier of the genus *Rhabdomastix* Skuse in the fauna of the USSR. *Dopov. Akad. Nauk ukr. RSR (B)*, **1976**: 561-564 (In Ukrainian).
- 1976 New or little-known species of palaearctic Limoniidae (Diptera), 2. Subfam. Eriopterinae, genus *Molophilus* Curt. *Ent. Obozr.*, **55**: 438-451 (In Russian) (English translation: *Ent. Rev.*, **55**(2): 126-136).
- 1976 A new species of the genus *Ormosia* (Diptera, Limoniidae) from the North-West Caucasus. *Zool. Zh.*, **55**: 304-306 (In Russian).
- 1976 New or little-known palaearctic species of the genus *Paradelphomyia* Al. (Diptera, Limoniidae). *Zool. Zh.*, **55**: 387-394 (In Russian).
- 1977 A new genus and species of Limoniid-flies (Diptera, Limoniidae) from the Far East of the USSR. *Dokl. Akad. Nauk ukr. RSR (B)*, **1977**: 566-570 (In Russian).
- 1977 On the hydro- and helobiont fauna of Limoniid-flies fauna (Diptera, Limoniidae) of the nature reserve Kedrovaja Pad and some other districts of south Primorye. *Trudy biol.-pochv. Inst. DVNC AN SSSR, Vladivostok, (N.S.)*, **45**(148): 88-108 (In Russian).
- 1977 The Limoniid-flies fauna (Diptera, Limoniidae) of Chukotka and neighbouring districts of east Siberia. *Trudy biol.-pochv. Inst. DVNC AN SSSR, Vladivostok, (N.S.)*, **46**(149): 75-92 (In Russian).
- 1978 The palaearctic species of Limoniid-flies (Diptera, Limoniidae) of the subgenus *Archilimnophila* Al. of the genus *Austrolimnophila* Al. *Dokl. Akad. Nauk ukr. RSR (B)*, **1978**: 378-381 (In Russian).
- 1978 Species of the crane-fly genus *Ctenophora* Mg. (Diptera, Tipulidae) new for the fauna of the USSR. *Dokl. Akad. Nauk ukr. SSR (B)*, **1978**: 567-570 (In Russian).
- 1978 New species of *Arctotipula* (Diptera, Tipulidae) from the East of the USSR. *Dokl. Akad. Nauk ukr. SSR (B)*, **1978**: 656-660 (In Russian).
- 1978 New or little-known species of palaearctic Limoniidae (Diptera), 3. Subfam. Eriopterinae, genus *Molophilus* Curt. *Ent. Obozr.*, **57**: 399-415 (In Russian) (English translation: *Ent. Rev.*, **57**(2): 280-292).
- 1978 The fauna of Limoniid-flies (Diptera, Limoniidae) of the north Kuriles. In: Systematics and biology of the freshwater organisms of north-east Asia. *Trudy biol.-pochv. Inst. DVNC AN SSSR, Vladivostok, (N.S.)*, **49**(152): 63-68 (In Russian).
- 1978 Additions to the Limoniid-flies fauna (Diptera, Limoniidae) of the North Tien Shan. *Vestn. zool.*, **1978**(5): 40-49 (In Russian).
- 1978 Change of name. *Vestn. zool.*, **1978**(5): 49 (In Russian).

- 1978 New and little-known species and subspecies of Limoniid-flies (Diptera, Limoniidae) from the USSR, 1. Genus *Pedicia*, subgenus *Crunobia*. *Zool. Zh.*, **57**: 700-713 (In Russian).
- 1978 New or little-known Limoniid-flies (Diptera, Limoniidae) from the USSR, 2. The genus *Dactylolabis*, nominative subgenus. *Zool. Zh.*, **57**: 1175-1188 (In Russian).
- 1979 A new subgenus and new species of Limoniid-flies (Diptera, Limoniidae) of the genus *Neolimnomyia* Séguy. *Dopov. Akad. Nauk ukr. RSR (B)*, **1979**: 482-485 (In Ukrainian).
- 1979 Species of the crane-fly genus *Dolichocheza* Curt. (Diptera, Tipulidae) from the Far-East. In: Ler, P. A. (ed.): *Terrestrial arthropods of the Far East*. Vladivostok: 108-116 (In Russian).
- 1979 New species of Limoniid-flies (Diptera, Limoniidae) of the genus *Limonia* Mg. from the USSR. *Ent. Obozr.*, **58**: 153-160 (In Russian) (English translation: *Ent. Rev.*, **58**(1): 87-92).
- 1979 Phylogenie und Systematik der Tipulidae (Diptera). Translated and revised by Br. Theowald and G. Theischinger. *Tijdschr. Ent.*, **122**: 91-126.
- 1979 Limoniid-flies (Diptera, Limoniidae) from the genus *Molophilus* Curt. new for the fauna of the USSR. *Dokl. Akad. Nauk ukr. RSR (B)*, **1979**: 683-687 (In Russian).
- 1979 Two new species of Caucasian Limoniid-flies (Diptera, Limoniidae) from the subfamily Eriopterinae. *Dokl. Akad. Nauk ukr. RSR (B)*, **1979**: 771-775 (In Russian).
- 1979 Additions and correction to the Limoniid-flies fauna (Diptera, Limoniidae) of south Kuriles and south Sakhalin. *Vestn. zool.*, **1979**(1): 23-29 (In Russian).
- 1979 A new species of the genus *Dicranota* (Diptera, Limoniidae) from the south-west Transcaucasus. *Zool. Zh.*, **58**: 1422-1425 (In Russian).
- 1979 The Limoniid-flies fauna (Diptera, Limoniidae) of the Chukot peninsula. *Dopov. Akad. Nauk ukr. RSR (B)*, **1979**: 1053-1056 (In Ukrainian).
- 1979 Tanyderid-flies (Diptera, Tanyderidae) of the USSR fauna. *Reports Academy of Sciences, Ukrainian SSR, ser. B*, No. 1: 72-75 (In Ukrainian).
- 1980 New and little-known species of Limoniidae (Diptera) from the Zailiyskij Alatau. *Ent. Obozr.*, **59**: 391-403 (In Russian) (English translation: *Ent. Rev.*, **59**(2): 134-145).
- 1980 On the crane-fly fauna (Diptera) of the USSR. Subfamily Dolichochezinae, Genus *Oropeza* Needh. In: *Taxonomy of the Insects of the Far East*. Vladivostok: 109-114 (In Russian).
- 1980 Diagnosis and distribution of the Limoniid-fly *Arctoconopa forcipata* (Lundström) (Diptera, Limoniidae). In: *Freshwater Fauna of the Far East*. Vladivostok: 110-112 (In Russian).

- 1980 Two genera new for the palaearctic fauna of Limoniid-flies (Diptera, Limoniidae) and two new species of these genera. *Vestn. zool.*, **1980**(1): 17-25 (In Russian).
- 1980 Two new species of *Gonomyia* (Diptera, Limoniidae) from Sovjet Middle Asia. *Vestn. zool.*, **1980**(3): 36-41 (In Russian).
- 1981 Two new Caucasian species of the genus *Erioptera* (Diptera, Limoniidae). *Zool. Zh.*, **60**: 1585-1588 (In Russian).
- 1981 Three new species of Limoniid-flies (Diptera, Limoniidae) from the USSR. *Vestn. zool.*, **1981**(1): 22-29 (In Russian).
- 1981 On the systematic position of the Limoniid-fly *Chionea crassipes* Boh. (Diptera, Limoniidae). *Vestn. zool.*, **1981**(2): 74-76 (In Russian).
- 1981 A species of crane-flies (Diptera, Tipulidae) new to the fauna of the USSR, *Tipula* (*Platytipula*) *demarcata* (Brunetti, 1912). *Vestn. zool.*, **1981**(3): 10 (In Russian).
- 1981 *Tipula* (*Savtshenkia*) *koreana* Alexander, 1935, a species of crane-flies new to the fauna of the USSR. *Vestn. zool.*, **1981**(3): 10 (In Russian).
- 1981 A species of genus *Nephrotoma* new to the fauna of the USSR, *N. daisensis* Alexander, 1935. *Vestn. zool.*, **1981**(3): 77 (In Russian).
- 1981 *Antocha* (*Proantocha*) *serricauda* Al., a species of Limoniid-flies new to the fauna of the USSR. *Vestn. zool.*, **1981**(4): 50 (In Russian).
- 1981 A species of Limoniid-flies (Diptera, Limoniidae) new to the fauna of Turkmenistan. *Vestn. zool.*, **1981**(5): 92 (In Russian).
- 1981 *Idiocera* (s. str.) *laterospina* Al., a species of Limoniid-flies (Diptera, Limoniidae) new to the fauna of the USSR. *Vestn. zool.*, **1981**(6): 66 (In Russian).
- 1982 What is *Gnophomyia tripudians* Bergroth 1891 (Diptera, Limoniidae). *Vestn. zool.*, **1982**(1): 74 (In Russian).
- 1982 On the synonymy of palaearctic Limoniid-flies (Diptera, Limoniidae). *Vestn. zool.*, **1982**(2): 62 (In Russian).
- 1982 A new *Psiloconopa* (Diptera, Limoniidae) from West Siberia. *Vestn. zool.*, **1982**(2): 70-72 (In Russian).
- 1982 On the distribution of the Limoniid-fly *Atypophthalmus inustus* (Mg.) (Diptera, Limoniidae). *Vestn. zool.*, **1982**(4): 62 (In Russian).
- 1982 Change of name in the family of Limoniid-flies (Diptera, Limoniidae). *Vestn. zool.*, **1982**(4): 81 (In Russian).
- 1982 On the systematics and synonymy of the Limoniid-flies (Diptera, Limoniidae) *Limnophila posthabita* and *L. tetrasticta*. *Vestn. zool.*, **1982**(5): 80-83 (In Russian).
- 1982 Limoniid-flies (subfamily Eriopterinae). *Fauna Ukrainy*, **14**(3): 1-335 (In Ukrainian).
- 1983 Crane-flies (Fam. Tipulidae), Introduction, Subfam. Dolichopezinae, subfam. Tipulinae (start). *Fauna USSR, Diptera*, 2(1-2), (N.S.), 127: 1-585 (In Russian).

- 1983 Three new species of Limoniid-flies (Diptera, Limoniidae) for the fauna of the USSR. *Vestn. zool.*, **1983**(1): 13-20 (In Russian).
- 1983 A new subspecies of *Molophilus* (Diptera, Limoniidae) from Armenia. *Vestn. zool.*, **1983**(1): 52 (In Russian).
- 1983 New data on the distribution of Limoniid-flies (Diptera, Limoniidae) in the USSR. *Vestn. zool.*, **1983**(1): 84 (In Russian).
- 1983 The Limoniid-flies (Diptera, Limoniidae) of the *Ilisia* (*Parilisia*) *fausta* (Al.) group in the fauna of Sovjet Middle Asia. *Vestn. zool.*, **1983**(4): 3-8 (In Russian).
- 1983 A *Molophilus* (Diptera, Limoniidae) new for the fauna of the Ukraine. *Vestn. zool.*, **1983**(5): 31 (In Russian).
- 1983 *Limoniidae of south Primorye*. Akad. Nauk. ukr. SSR, Kiev: 1-156 (In Russian).
- 1983 *Gonomyia* (s. str.) *papposa* sp. n. from the Armenian SSR (Diptera, Limoniidae). *Zool. Zh.*, **62**: 643-645 (In Russian).
- 1984 The palaearctic species of the Limoniid-flies (Diptera, Limoniidae) from the *Dicranomyia* (s. str.) *goritiensis* (Mik) group. In: *Taxonomy and Zoogeography of Insects*. Kiev: 95-102 (In Russian).
- 1984 A new subspecies of *Ilisia* (Diptera, Limoniidae) from Crimea. *Vestn. zool.*, **1984**(1): 88 (In Russian).
- 1984 A new subgenus of Limoniid-flies (Diptera, Limoniidae) for the fauna of the USSR. *Vestn. zool.*, **1984**(2): 7 (In Russian).
- 1984 About the Tipulid fauna (Diptera, Tipulidae) of the Bering Island. *Vestn. zool.*, **1984**(2): 7 (In Russian).
- 1984 A species of Limoniid-flies (Diptera, Limoniidae) new for the fauna of the Ukraine. *Vestn. zool.*, **1984**(5): 70 (In Russian).
- 1985 On the distribution of the Limoniid-fly (Diptera, Limoniidae) *Austrolimnophila* (*Archilimnophila*) *harperi* Al. *Vestn. zool.*, **1985**(3): 40 (In Russian).
- 1985 Limoniid-flies. Subfamily Limoniinae. *Fauna Ukrainy*, **14**(4): 1-180 (In Russian).
- 1986 Three new species of Limoniidae (Diptera) from the USSR. *Vestn. zool.*, **1986**(1): 29-35 (In Russian).
- 1986 On the distribution of the Limoniid-fly (Diptera, Limoniidae) *Erioptera* (s. str.) *cornuta* Sav. *Vestn. zool.*, **1986**(2): 75 (In Russian).
- 1986 Palaearctic Limoniid flies (Diptera, Limoniidae) of the "nigronotata" group of the genus *Phylidorea*. *Vestn. zool.*, **1986**(5): 20-26 (In Russian).
- 1986 Two species of Limoniid-flies (Diptera, Limoniidae) new for the fauna of the USSR. *Vestn. zool.*, **1986**(5): 87 (In Russian).
- 1986 Limoniid-flies (Introduction and subfamilies *Pediciinae* and *Hexatominae*). *Fauna Ukrainy*, **14**(2): 1-340 (In Russian).

- 1987 A species of Limoniid-flies (Diptera, Limoniidae) new for the fauna of the USSR, *Limonia messaurea* Mendl. *Vestn. zool.*, **1987**(6): 78 (In Russian).
- 1987 *Idiopyga* Savtshenko nom. nov. (Diptera, Limoniidae). *Vestn. zool.*, **1987**(6): 81 (In Russian).
- 1987 A new species of the genus *Gonomyia* (Diptera, Limoniidae). *Zool. Zh.*, **66**: 304-306 (In Russian).
- 1988 Limoniid flies (Diptera, Limoniidae) new for the fauna of Kirghizia. *Vestn. zool.*, **1988**(1): 50 (In Russian).
- 1988 A new crane-fly species from the eastern Yakutia (Diptera, Tipulidae). *Vestn. zool.*, **1988**(3): 19-22 (In Russian).
- 1989 *Limoniidae fauna of the USSR*. Akad. Nauk Ukrainian SSR, Kiev: 1-377 (In Russian).
- Savchenko, E. N.** (See Luppova E. P. and Savchenko, E. N.)
- Savchenko, E. N.** (See Mannheims, B. and Savchenko, E. N.)
- Savchenko, E. N.** (See Stary, J. and Savchenko, E. N.)
- Savchenko, E. N.** (See Zinovjev, G. A. and Savchenko, E.N.)
- Savchenko, E. N. and Kandybina, M. N.**
- 1987 Limoniidae. In: Kandybina, M. N., Lantsov, V. I. and Savchenko, E. N. (eds): *A catalog of the type-specimens in the collection of the Zoological Institute, Academy of Sciences of the USSR. Insecta, Diptera, N 3, Families Tanyderidae, Trichoceridae, Limoniidae, Tipulidae*. Leningrad: 8-20 (In Russian).
- 1987 Tipulidae. In: Kandybina, M. N., Lantsov, V. I. and Savchenko, E. N. (eds): *A catalog of the type-specimens in the collection of the Zoological Institute, Academy of Sciences of the USSR. Insecta, Diptera, N 3, Families Tanyderidae, Trichoceridae, Limoniidae, Tipulidae*. Leningrad: 21-61 (In Russian).
- Savchenko, E. N. and Krivolutskaya, G. O.**
- 1966 On the crane-flies (Diptera, Tipulidae) of the Kuril Islands. *Entomofauna Lesov, Moscow*, **1966**: 45-58 (In Russian).
- 1976 *Limoniidae of the south Kuril Islands and south Sakhalin*. Akad. Nauk. ukr. SSR, Kiev: 1-160 (In Russian).
- Savchenko, E. N. and Parkhomenko, S. I.**
- 1974 On the Limoniid-flies fauna (Diptera, Limoniidae) of the Turkmen SSR. *Dopov. Akad. Nauk ukr. RSR (B)*, **1974**: 1048-1051 (In Ukrainian).
- 1978 On the Limoniid-flies fauna (Diptera, Limoniidae) of the Northern Tien Shan. *Vestn. zool.*, **1978**(1): 29-34 (In Russian).
- 1980 Preliminary data on the Limoniid-flies (Diptera, Limoniidae) fauna of Chukotka. In: *Freshwater Fauna of the Far East*, Vladivostok: 95-109 (In Russian).
- 1983 A new polymorphic species of *Paradicranota* (Diptera, Limoniidae) from the North-West Caucasus. *Zool. Zh.*, **57**: 1353-1358 (In Russian).

Savchenko, E. N. and Plyushch, G. I.

- 1984 On the fauna of Limoniidae (Diptera) of the Gissar mountains, 1. *Ent. Obozr.*, **63**: 166-185 (In Russian) (English translation: *Ent. Rev.*, **63**(2): 1-21).
- 1985 On the fauna of Limoniidae (Diptera) of the Gissar mountains, 2. *Ent. Obozr.*, **64**: 616-625 (In Russian).

Savchenko, E. N. and Rybin, S. N.

- 1982 On the Limoniidae fauna (Diptera) of the Alai range. *Ent. Obozr.*, **61**: 392-403 (In Russian) (English translation: *Ent. Rev.*, **61**(2): 142-154).

Savchenko, E. N. and Sagdiyeva, P. D.

- 1972 A new Far-Eastern species of crane-fly from the Tipula (Lunatipula) fascipennis Mg. group (Diptera, Tipulidae). *Dopov. Akad. Nauk ukr. RSR (B)*, **1972**: 83-86 (In Ukrainian).

Savchenko, E. N. and Theischinger, G.

- 1978 Die Arten der Tipula (Lunatipula) recticornis-Gruppe. *Bull. zool. Mus. Univ. Amsterdam*, **6**: 117-128.

Savchenko, E. N. and Tomov, V.

- 1975 A new species of Ormosia (Diptera, Limoniidae) from Bulgaria. *Dokl. Akad. Nauk ukr. RSR (B)*, **1975**: 950-952 (In Russian).

Savchenko E. N. and Violovich, N. A.

- 1967 Review of the crane-flies (Diptera, Tipulidae) of the Tuva. *Annls zool. Warsz.*, **25**: 317-365 (In Russian).

Savchenko E. N., Violovich, N. A. and Narchuk, E. P.

- 1972 Review of the crane-flies (Diptera, Tipulidae) of the Altai mountains. *Ent. Obozr.*, **51**: 74-95 (In Russian) (English translation: *Ent. Rev.*, **51**(1): 45-57).

Savchenko E. N. and Zapolska, T. I.

- 1968 New extralimital locations of the boreoalpine species of crane-flies (Diptera-Tipulidae) on the east European lowland. *Dopov. Akad. Nauk ukr. RSR (B)*, **1968**: 574-576 (In Ukrainian).

Savtshenko, E. N. (See Savchenko, E. N.)**Say, T.**

- 1823 Descriptions of dipterous insects of the United States. *J. Acad. nat. Sci. Philad.*, **3**: 9-54, 73-104.
- 1824 Appendix. Part 1. Natural History, 1. Zoology. E. Class Insecta. In: Keating, W. H.: *Major Long's second expedition*. Philadelphia, **2**: 268-378.
- 1829 Descriptions of North American dipterous insects. *J. Acad. nat. Sci. Philad.*, **6**: 149-178.

Schiner, J. R.

- 1863 Vorläufiger Commentar zum dipterologischen Theile der "Fauna austriaca". *Wien. ent. Mschr.*, **7**: 217-226.
- 1864 *Fauna austriaca. Die Fliegen (Diptera)*. Wien, **2**: XXXII+289-658.
- 1865 Dipterologische Miscellen. *Verh. zool.-bot. Ges. Wien*, **15**: 989-1000.

- 1866 Bericht über die von der Weltumseglungsreise der k. Fregatte Novara mitgebrachten Dipteren. *Verh. zool.-bot. Ges. Wien*, 16: 927-934.
- 1868 Diptera. In: *Reise der österreichischen Fregatte Novara um die Erde in den Jahren 1857, 1858, 1859, unter den Befehlen des Commodore B. von Wüllerstorff-Urbair*. Zoologischer Theil, 2(1) (B). Wien: VI+1-388.
- Schmid, F.**
- 1949 Notes sur quelques Limnobiides du genre *Dasymolophilus*. *Mitt. schweiz. ent. Ges.*, 22: 237-242.
- 1958 Quelques nématocères nouveaux ou intéressants. *Bull. Ins. r. Sci. nat. Belg.*, 34(10): 1-23.
- Schnabl, J.** (See Becker, T. and Schnabl, J.)
- Schrank, F. von Paula**
- 1776 *Beyträge zur Naturgeschichte*. Leipzig: VIII+1-140.
- 1781 *Enumeratio insectorum Austriae indigenorum*. Vindelicorum [Augsburg]: XXIV+1-548.
- 1782 2 Fortsetzung der kritischen Revision des Oesterreichischen Insectenverzeichnisses. *Neues Mag. Liebh. Ent.*, 1: 263-307.
- 1785 Verzeichniss beobachteter Insecten im Fürstenthume Berchtesgaden. *Neues Mag. Liebh. Ent.*, 2: 313-345.
- 1795 *Naturhistorische und ökonomische Briefe über das Donaumoos*. Mannheim: VIII+1-211.
- 1796 *Sammlung naturhistorischer und physikalischer Aufsätze*. Nürnberg: XVI+1-456.
- 1803 *Fauna Boica. Durchgedachte Geschichte der in Baiern einheimischen und zahmen Tiere*. Landshut, 3(1): VIII+1-372+19.
- Schuckard, R.** (See Oosterbroek, P., Schuckard, R. and Theowald, Br.)
- Schultze, P.**
- 1920 In: Kuntze, A: Notiz über *Limnobia meridiana* Staeg. *Dt. ent. Z.*, 1920: 57.
- Schummel, T. E.**
- 1829 Beschreibung der in Schlesien einheimischen Arten einiger Dipteren-Gattungen. 1. *Limnobia*. Meigen. *Beitr. Ent., Breslau*, 1: 97-201.
- 1833 Versuch einer genauen Beschreibung der in Schlesien einheimischen Arten der Gattung *Tipula*. Meigen. *Bachmücke. Beitr. Ent., Breslau*, 3: 9-128.
- Schütze, K. T.**
- 1916 Die *Polyneura*-Arten der Lausitz. *Ber. Naturwiss. Ges. Isis Bautzen*, 1916: 54-59.
- Scopoli, J. A.**
- 1763 *Entomologia carniolica exhibens insecta carnioliae indigena et distributa in ordines, genera, species, varietates, methodo Linnaeana*. Vindobonae [= Vienna]: 1-424.
- Séguy, E.**
- 1925 Description d'un nouveau Paraptychoptera. *Encycl. ent. (B II) Dipt.*, 2: 22.

- 1936 Un *Gonomyia* nouveau d'Algérie. *Bull. Soc. ent. Fr.*, **41**: 334-335.
- 1937 Un nouveau genre de Limoniidae (Dipt. Limoniidae) de la Vallée du Loing. *Bull. mens. Ass. Nat. Vall. Loing*, **13**: 6-7.
- 1938 Un nouveau *Limnophila* de la Forêt de Fontainebleau. *Trav. Nat. Vall. Loing*, **9**: 37-38.
- 1940 IV. Diptères. *Mém. Mus. natn. Hist. nat. (N.S.)*, **14**: 225-227.
- 1941 Récoltes de R. Paulian et A. Villers dans le haut Atlas marocain, 1938, 17, Diptères. *Revue fr. Ent.*, **8**: 25-33.
- 1942 Un nouveau Diptère *Molophilus Pauliani* nov. sp. sur le littoral de la Manche. *Bull. Lab. marit. Dinard*, **24**: 77-80.
- Seligo, A.**
- 1931 Zur Kenntnis der Bodentierwelt des Mariensees. *Ber. westpreuss. bot.-zool. Ver.*, **53**(9): 1-33.
- Senior-White, R.**
- 1922 Notes on Indian Diptera. *Mém. Dept. Agric. India (Ent. Ser.)*, **7**: 83-169.
- Serville, J. G. A.** (See Latreille, P. A., Lepeletier, A. L. M., Serville, J. G. A. and Guérin-Méneville, F. E.)
- Sharp, D.**
- 1890 Diptera. *Zool. Rec., Insects*, **1889**: 1-320.
- Shirt, D. B.** (Ed.)
- 1987 *British red data books: 2. Insects*. Nature Conservancy Council, Peterborough: XLIV+1-402.
- Siebke, H.**
- 1863 Beretning om en i Sommeren 1861 foretagen entomologisk Reise. *Nyt Mag. Naturvid.*, **12**: 105-192.
- 1870 Beretning om en i Sommeren 1869 foretagen entomologisk Reise gjennem Ringerike, Hallingdal og Valdres. *Nyt Mag. Naturvid.*, **17**: 246-314.
- 1872 Bidrag til Norges Insektfauna. *Nyt Mag. Naturvid.*, **19**: 39-102.
- Siitonen, O.**
- 1983 Brief notes (Diptera). *Notul. ent.*, **63**: 215.
- Silfverberg, H.**
- 1986 Additions to the Finnish insect fauna during the years 1981-1985. *Notul. ent.*, **66**: 131-152.
- Simova (Tošić), D.**
- 1959 Beitrag zur Kenntnis der Tipuliden und Limnobiiden von Mazedonien (Diptera-Nematocera). *Fragm. balcan.*, **2**: 125-135.
- 1960 Zweiter Beitrag zur Kenntnis der Tipuliden und Limnobiiden von Mazedonien (Diptera-Nematocera). *Fragm. balcan.*, **3**: 51-63 (In Macedonian).
- 1962 Tipulidae nekih krajeva Jugoslavije (Diptera-Nematocera). *Fragm. balcan.*, **4**: 101-105 (In Macedonian).
- 1972 Dve nove vrste iz familije Tipulidae (Diptera). *Zast. Bilja*, **23**, 121: 333-340 (In Serbo-Croatian).
- 1977 Tipulidae. *Fauna Macedonia*, **3**: 1-198 (In Macedonian).

- 1977 Two rare species of Limoniidae (Diptera) from Slovenia. *Acta ent. Jugosl.*, **13**: 45-49 (In Serbo-Croatian).
- 1978 *Dolichocheira graeca* Mnhs. (Diptera, Tipulidae), a new species for the Yugoslavian fauna. *Fragm. balcan.*, **10**: 136-138 (In Macedonian).
- Simova (Tošić), D. and Vuković, M.**
- 1981 The results of crane flies (Diptera, Tipulidae) studies in Yugoslavia. *Acta ent. Jugosl.*, **17**: 113-119.
- 1987 Tipulidae (Insecta, Diptera). *Fauna Durmitora*, **2**: 155-172.
- Sintenis, F.**
- 1889 Über *Limnophila pilicornis* Zett. *Sber. naturf. Ges. Univ. Dorpat*, **8**: 396-398.
- Skuse, A. A.**
- 1890 Diptera of Australia, Part 7. The Tipulidae brevipalpi. *Proc. Linn. Soc. N.S.W.*, (2) **4**: 757-892.
- Slabber, M.**
- 1778 *Natuurkundige Verlustingen*. Haarlem: VI+1-166.
- Slípka, J.**
- 1950 *Tipula* (*Oreomyza*) *subinvenusta* n.sp. (Dipt.). *Ent. Listy*, **13**: 78-82.
- 1955 Über eine neue Art der Gattung *Tricyphona* Zett., *Tricyphona nielseni* n. sp. aus der Slowakei. *Zool. Anz.*, **154**: 69-71.
- 1959 *Symplectomorpha stictica* Meig. (Diptera-Nematocera) als Fakultativer halobiont. *Izv. zool. Inst. Sofia*, **8**: 105-107.
- Slípka, J. and Martinovský, J.**
- 1977 Tipulidae. In: Döskocil, J. (ed.): *Klíč zvířeny CSSR*. Prague, **5**: 35-44 (In Czech).
- Slípka, J. and Starý, J.**
- 1977 *Cylindrotomidae*. In: Döskocil, J. (ed.): *Klíč zvířeny CSSR*. Prague, **5**: 44-45 (In Czech).
- 1977 *Limoniidae*. In: Döskocil, J. (ed.): *Klíč zvířeny CSSR*. Prague, **5**: 45-56 (In Czech).
- Solem, J. O.** (See Hofsvang, T., Solem, J. O. and Bretten, S.)
- Solem, J. O.** (See Mendl, H. and Solem, J. O.)
- Solem, J. O.** (See Mendl, H., Solem, J. O. and Bretten, S.)
- Soot-Ryen, T.**
- 1928 Diptera from arctic Siberia. *Meddr zool. Mus. Oslo*, **14**: 3-7.
- Speiser, P.**
- 1909 4. Orthoptera. Orthoptera Nematocera. *Wiss. Ergebn. schwed. zool. Exped. Kilimandjaro, Meru*, **10** (Diptera): 31-65.
- Stackelberg, A. A.**
- 1944 Diptera of the Far East of arctic Siberia and their origin. *Izv. Akad. Nauk SSSR, Ser. Biol.*, **5**: 260-271 (In Russian and English).
- 1951 Materials to the Diptera fauna of the Leningrad oblast. 1. Nematocera. Polyneura Diptera. *Trudy zool. Inst., Leningr.*, **9**: 706-742 (In Russian).

Staeger, C.

- 1840 Systematisk fortegnelse over de i Danmark hidtil fundne Diptera. (Fortsat.). *Naturh. Tidsskr.*, **3**: 1-58.

Starý, J.

- 1968 Beitrag zur Kenntnis der Unterfamilie Limoniinae des Jeseníky-Gebirges (Tipulidae, Diptera). *Cas. slezsk. Muz. Opave (A)*, **17**: 129-141.
- 1968 Eine neue *Molophilus* Art aus der Slowakei (Diptera, Tipulidae). *Acta ent. bohemoslov.*, **65**: 239-240.
- 1969 Zwei neue Limoniinen aus der Tschechoslowakei (Diptera, Tipulidae). *Cas. morav. Mus. Brne*, **54**: 123-130.
- 1969 Revision der Arten der Unterfamilie Limoniinae (Tipulidae, Diptera) aus den Sammlungen des Mährischen Museums in Brno mit besonderer Berücksichtigung der Fauna Mährens. Teil 1: Tribus Limoniini und Pediciini. *Cas. morav. Mus. Brne*, **54**: 131-160.
- 1971 Revision der Arten der Unterfamilie Limoniinae (Tipulidae, Diptera) aus den Sammlungen des Mährischen Museums in Brno mit besonderer Berücksichtigung der Fauna Mährens. Teil 2: Tribus Hexatomini und Eriopterini. *Cas. morav. Mus. Brne*, **55**: 133-194.
- 1971 *Ormosia pirinensis* sp. n. und *Molophilus priapoides* sp. n. - Zwei neue Europäische Limoniinen-Arten (Diptera, Tipulidae). *Acta ent. bohemoslov.*, **68**: 95-99.
- 1971 A new palaearctic representative of the subgenus *Protogonomyia* Alexander (Diptera, Tipulidae). *Acta ent. bohemoslov.*, **68**: 319-321.
- 1971 Einige für Mähren neue oder wenig bekannte Limoniinen (Tipulidae, Diptera). *Cas. slezsk. Muz. Opave (A)*, **20**: 69-84.
- 1971 Einige neue oder wenig bekannte Arten der Gattung *Molophilus* Curt. (Diptera, Tipulidae). *Annotnes zool.-bot. Bratisl.*, **70**: 1-12.
- 1972 European species of the genus *Dicranoptycha* Osten-Sacken (Diptera, Tipulidae). *Acta ent. bohemoslov.*, **69**: 401-416.
- 1972 Zwei neue Arten aus der Unterfamilie Limoniinae (Diptera, Tipulidae). *Annotnes zool.-bot. Bratisl.*, **81**: 1-5.
- 1973 Boreoalpinní a alpínský prvek ve faune poduceleďi Limoniinae (Tipulidae, Diptera) Jeseníku. *Zpravy VU Olomouc*, **163**: 21-32.
- 1974 Tschechoslowakische Vertreter der Untergattung *Erioptera* s. str. (Diptera, Tipulidae). *Průřodov. cas. jihoces., Ceske Budejovice*, **13**: 147-160.
- 1974 Beitrag zur Kenntnis der Limoniinen Bulgariens (Diptera, Tipulidae). *Cas. morav. Mus. Brne*, **58**: 113-119.
- 1974 Neue Europäische Arten aus der Unterfamilie Limoniinae (Diptera, Tipulidae). *Annotnes zool.-bot. Bratisl.*, **99**: 1-9.
- 1974 Nachträge und Berichtigungen zur Limoniinen-Fauna der Tschechoslowakei (Tipulidae, Diptera). *Cas. slezsk. Muz. Opave (A)*, **23**: 123-143.

- 1974 Bemerkungen zu einigen wenig bekannten Limoniinen aus der Tschechoslowakei (Tipulidae, Diptera). *Folia Fac. Sci. nat. Univ. Purk. Brune.*, **15** (Biol. 43): 13-22.
- 1974 The identity of *Gonomyia* (Idiocera) *sexguttata* (Diptera, Tipulidae). *Acta ent. bohemoslov.*, **71**: 136-140.
- 1976 Eine neue *Limonia*-Art aus der Krim und vom Kaukasus (Diptera, Limoniidae). *Acta ent. bohemoslov.*, **73**: 183-186.
- 1976 *Erioconopa* gen. n., with the description of a new species from Central Europe (Diptera, Tipulidae). *Acta ent. bohemoslov.*, **73**: 420-429.
- 1976 Neue Europäische Arten aus der Unterfamilie Limoniinae (Diptera, Tipulidae). *Annotnes zool.-bot. Bratisl.*, **112**: 1-7.
- 1977 The identity of *Gonomyia* (Idiocera) *punctata* Edwards (Dipt., Tipulidae). *Entomologist's mon. Mag.*, **112**: 67-70.
- 1977 Zwei neue *Austrolimnophila*-Arten aus dem Mittelmeerraum (Diptera, Limoniidae). *Entomologica*, **13**: 63-70.
- 1978 Zwei neue europäische Arten aus der Verwandtschaft von *Molophilus undulatus* (Diptera, Limoniidae). *Acta ent. bohemoslov.*, **75**: 344-348.
- 1978 Zum taxonomischen Status von *Tricyphona nielsenii* Slípka, 1955 (Diptera, Limoniidae). *Cas. slezsk. Muz. Opave (A)*, **27**: 65-71.
- 1979 A new species of *Gonomyia* Meigen (Idiocera Dale) (Dipt., Tipulidae), with further records of Idiocera from Egypt. *Entomologist's mon. Mag.*, **114**: 91-93.
- 1980 Revision des Materials der Familie Limoniidae aus den Sammlungen des Nationalmuseums in Prag (Diptera). *Acta faun. ent. Mus. natn. Prag.*, **16**: 33-54.
- 1981 Nachträge und Berichtigungen zur Limoniiden-Fauna der Tschechoslowakei (Diptera), 2. *Acta Rer. nat. Mus. natn. Slov., Bratisl.*, **27**: 99-122.
- 1981 Some new or little-known European species of Dicranota (Diptera, Limoniidae). *Acta ent. bohemoslov.*, **78**: 189-198.
- 1981 *Baeoura directa* (Kuntze, 1914), with the description of a new species from Spain. *Reichenbachia*, **19**: 97-103.
- 1982 New species of Limoniidae from the Mediterranean (Diptera). *Bull. zool. Mus. Univ. Amsterdam*, **9**: 25-35.
- 1983 New taxa of Limoniidae from Czechoslovakia (Diptera). *Annotnes zool.-bot. Bratisl.*, **154**: 1-22.
- 1984 Cylindrotomidae and Limoniidae. In: Cepelak, J. (ed.): *Diptera Slovenska*. Bratislava, **1**: 25-47 (In Slovakian).
- 1984 A remarkable new *Limonia* from central Europe (Diptera, Limoniidae). *Acta ent. bohemoslov.*, **81**: 236-239.
- 1986 Nachträge und Berichtigungen zur Limoniiden-Fauna der Tschechoslowakei (Diptera). *Zbor. Slov. nar. Muz., Prírod. Vedy*, **32**: 91-111.
- 1987 Revision of European species of the genus *Cheilotrichia*, subgenus *Empeda* (Diptera, Limoniidae). *Acta ent. Mus. natn. Prag.*, **42**: 249-276.

- 1987 Cylindrotomidae. In: Check List of Czechoslovak Insects, 2, Diptera. *Acta faun. ent. Mus. natn. Prag.*, **18**: 15.
- 1987 Limoniidae. In: Check List of Czechoslovak Insects, 2, Diptera. *Acta faun. ent. Mus. natn. Prag.*, **18**: 17-25.
- Starý, J.** (See Krzemiński, W. and Starý, J.)
- Starý, J.** (See Martinovský, J. and Starý, J.)
- Starý, J.** (See Slípka, J. and Starý, J.)
- Starý, J. and Geiger, W.**
- 1985 A new *Dicranomyia* (*Salebriella*) from the Alps (Diptera, Limoniidae). *Annotnes zool.-bot. Bratisl.*, **166**: 1-6.
- Starý, J. and Krzemiński, W.**
- 1984 A new species of *Idiocera* from Algeria (Diptera, Limoniidae). *Annotnes zool.-bot. Bratisl.*, **159**: 1-3.
- Starý, J. and Martinovský, J.**
- 1969 Tiplicovití (Tipulidae, Diptera) Černovířského lesa u Olomouce. *Pr. Odb. Prir. Vlast. Ust.*, **14**: 3-19.
- Starý, J. and Mendl, H.**
- 1984 Zwei neue *Protogonomyia* Arten aus Europa (Diptera, Limoniidae). *Nachr.-Bl. bayer. Ent.*, **33**: 122-128.
- Starý, J. and Rozkošný, R.**
- 1970 Die Slowakischen Arten der Unterfamilie Limoniinae (Tipulidae, Diptera). *Acta. Rer. nat. Mus. natn. Slov., Bratisl.*, **15**: 75-136.
- 1970 A revision of palaearctic species of the subgenera *Protogonomyia* Alexander, *Ellipteroides* Becker and *Ptilostenodes* Alexander (Diptera, Tipulidae: *Gonomyia* Meigen). *Acta ent. bohemoslov.*, **67**: 362-374.
- Starý, J. and Savchenko, E. N.**
- 1976 Eine neue *Limonia*-Art aus der Krim und vom Kaukasus (Diptera, Limoniidae). *Acta ent. bohemoslov.*, **73**: 183-186.
- Stefani-Perez, T. de** (See Bezzi, M. and Stefani-Perez, T. de)
- Steyskal, G. C. and El-Bialy, S.**
- 1967 A list of Egyptian Diptera with a bibliography and key to families. *Techn. Bull. Min. Agric. United Arab Rep.*, **3**: 1-87.
- 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. Containing also the references to every English writer on entomology, and on the principal foreign authors. With all the published British genera to the present time.* London, **2** (Insecta Haustellata): 1-388.
- Storm, V.**
- 1898 Dipterologiske undersøgelser. *Norske Selsk. Skr.*, **1895**: 225-241.
- Strand, E.**
- 1914 Neue Beiträge zur Arthropodenfauna Norwegens 13. *Nyt Mag. Naturvid.*, **51**: 323-361.

Strobl, P. G.

- 1880 Dipterologische Funde um Seitenstetten. Ein Beitrag zur Fauna Nieder-Österreichs. *Programm des k.k. Ober-Gymnasiums der Benedictiner zu Seitenstetten, XIV, Linz, 1880*: 3-65.
- 1893 Beiträge zur Dipterenfauna des österreichischen Littorale. *Wien. ent. Ztg.*, **12**: 161-170.
- 1895 Die Dipteren von Steiermark 3. Theil. Diptera Nemocera. *Mitt. naturw. Ver. Steierm.*, **31**: 121-246.
- 1898 Die Dipteren von Steiermark 4. Theil: Nachträge. *Mitt. naturw. Ver. Steierm.*, **34**: 191-298.
- 1898 Diptera fauna of Bosnia, Hercegovina and Dalmatia. *Glasn. zemalj. Mus. Bosni Herceg.*, **10**: 387-466, 562-616 (In Serbo-Croatian). [Sometimes cited as 1900 after the almost identical German version in *Wiss. Mitt. Bosn. Herzeg.*, **7**: 552-670.]
- 1900 Dipterenfauna von Bosnien, Hercegovina und Dalmatien. *Wiss. Mitt. Bosn. Herzeg.*, **7**: 552-670.
- 1900 Spanischen Dipteren. 12 Theil. (Schluss). 23 Tipulinae. *Wien. ent. Ztg.*, **19**: 207-216.
- 1901 Tief's dipterologischer Nachlass aus Kärnten und Oester.-Schlesien, bestimmt von Pr. Gabriel Strobl, nebst eigenen Funden aus Kärnten. *Jber. naturh. Landesmus. Kärnten*, **26**: 171-246.
- 1902 New contributions to the Dipterafauna of the Balkan Peninsula. *Glasn. zemalj. Mus. Bosni Herceg.*, **14**: 461-517 (In Serbo-Croatian). [Sometimes cited as 1904 after the almost identical German version in *Wiss. Mitt. Bosn. Herzeg.*, **9**: 519-581.]
- 1906 Spanische Dipteren, 2. Beitrag (1). *Mems R. Soc. esp. Hist. nat.*, **3**: 271-422.
- 1909 Die Dipteren von Steiermark 5. 2. Nachtrag. *Mitt. naturw. Ver. Steierm.*, **46**: 45-293.

Strobl, P. G. (See Czerny, L. and Strobl, P. G.)

Ström, H.

- 1768 Beskrivelse over Norske Insecter. Andet Stykke. *K. norske Vidensk. Selsk. Skr.*, **4**: 313-371.
- 1788 Beskrivelse over Norske Insecter. Semte Stykke. *Nije Saml. K. dansk Vidensk. Selsk. Skr.*, **3**: 264-300.

Stubbs, A. E.

- 1970 The rediscovery of *Gonomyia bifida* Tonnoir (Dipt., Tipulidae) in Britain. *Entomologist's Gaz.*, **21**: 27-29.
- 1972- Introduction to craneflies. *AES Bull.*, **31**: 46-54, 83-93; **32**: 14-23, 58-63,
- 1974 101-107; **33**: 18-23, 142-145.
- 1972 A review of information on the distribution of the British species of Ptychoptera (Dipt.: Ptychopteridae). *Entomologist*, **105**: 23-38.

- 1974 A survey of the Tipulidae (Diptera) of chalkland at Sheepleas, Surrey. *Entomologists's Gaz.*, **25**: 127-136.
- 1977 *Gonomyia* (Protogonomyia) *limbata* (Ros.) and *Molophilus variispinus* Stary (Dipt.: Tipulidae) new to Britain from Wales. *Proc. Br. ent. nat. Hist. Soc.*, **1977**: 100-103.
- Stubbs, A. E.** (See Hutson, A. M. and Stubbs, A. E.)
- Stubbs, A. E. and Chandler, P. J.**
- 1973 *Molophilus lackschewitzianus* Alexander 1952 (Diptera: Tipulidae) new to the British Isles. *Proc. Br. ent. nat. Hist. Soc.*, **1973**: 18-19.
- Stubbs, A. E. and Little, C. J.**
- 1974 *Dicranoptycha* Osten-Sacken (Diptera, Tipulidae), a crane-fly genus new to Britain. *Proc. Br. ent. nat. Hist. Soc.*, **1974**: 44-45.
- Sugawara, H.** (See Kariya, S. and Sugawara, H.)
- Süss, L.**
- 1982 *Nota sula Chionea s.l. italiane*. *Boll. Zool. agr. Bachic.*, (2) **16**: 113-133.
- 1986 *Chionea araneoides* Dalman (Diptera Limnobiidae) nuova per la fauna italiana. *Boll. Zool. agr. Bachic.*, (2) **18**: 51-63.
- Svensson, S. A.**
- 1969 Identities of *Chionea minuta* and *brevirostris* Tahvonen 1932. *Opusc. ent.*, **34**: 242.
- Swederus, N. S.**
- 1787 Fortsättning af Beskrifningen på 50 nya Species af Insecter. *K. svenska VetenskAkad., Nya Handl.*, **8**: 276-290.
- Szilády, Z.**
- 1934 Beiträge zur Dipterenfauna Bulgariens. *Mitt. bulg. ent. Ges.*, **8**: 145-151.
- Tahvonen, E.**
- 1932 Berichte über die *Chionea*-Arten in Finland. *Notul. ent.*, **12**: 40-46.
- Takahashi, M.**
- 1960 New species of Japanese Ctenophorini with the notes and key to already known species (Diptera, Tipulidae), Part 1. Japanese species of the genus *Tanyptera*. *Mushi*, **33**: 9-18.
- 1960 New species of Japanese Ctenophorini with the notes and key to already known species (Diptera, Tipulidae), Part 2. Japanese species of *Ctenophora* (*Phoroctenia*) and *Ctenophora* (*Ctenophora*). *Mushi*, **34**: 101-115.
- 1960 A new *Ctenacroscelis* from Amami-Oshima (Diptera, Tipulidae). *Insecta matsum.*, **23**: 25-27.
- 1960 A revision of Japanese *Cylindrotominae* (Diptera: Tipulidae). *Trans. Shikoku ent. Soc.*, **6**: 81-91.
- Tangelder, I. R. M.**
- 1983 A revision of the Crane Fly genus *Nephrotoma* Meigen, 1803, in North America (Diptera, Tipulidae). Part 1, the *dorsalis* species-group. *Beaufortia*, **33**: 111-205.

- 1984 The species of the *Nephrotoma dorsalis*-group in the Palearctic (Diptera, Tipulidae). *Beaufortia*, **34**: 15-92.
- 1985 Phylogeny of the *Nephrotoma dorsalis* species-group (Diptera, Tipulidae), mainly based on genital characters. *Beaufortia*, **35**: 135-174.
- 1988 The biogeography of the holarctic *Nephrotoma dorsalis* group (Diptera, Tipulidae). *Beaufortia*, **38**: 1-35.

Tate, P. (See Keilin, D. and Tate, P.)

Thalhammer, J.

- 1900 Diptera. *Fauna Regni Hung.*, **3**, Dipt.: 1-76 (In Hungarian and Latin).

Theischinger, G.

- 1977 Neue Taxa von *Lunatipula* Edwards aus der mediterranen Subregion der Palaearktis (Diptera, Tipulidae, *Tipula* Linnaeus). *Beaufortia*, **26**: 1-38.
- 1977 Schnaken aus dem Allgäu (Diptera, Tipulidae). *NachrBl. bayer. Ent.*, **26**: 1-4.
- 1978 *Tipula* (*Savtshenkia*) *eleonora* sp. nov. aus Rumänien (Diptera: Tipulidae). *Ent. Ber., Amst.*, **38**: 45-46.
- 1978 Schnaken aus Oberösterreich (Diptera, Tipulidae), 1. *Jber. oberöst. Museal-Ver.*, **123**: 237-268.
- 1979 Neue Taxa von *Lunatipula* Edwards aus der mediterranen Subregion der Palaearktis (Diptera, Tipulidae, *Tipula* Linnaeus), 1. Fortsetzung. *Beaufortia*, **28**: 121-150.
- 1979 Über *Lunatipula* aus Afghanistan. *Bull. zool. Mus. Univ. Amsterdam*, **6**: 145-150.
- 1979 Neue Taxa von *Lunatipula* Edwards aus der mediterranen Subregion der Palaearktis (Diptera, Tipulidae, *Tipula* Linnaeus), 2. Fortsetzung. *Beaufortia*, **29**: 275-308.
- 1980 Neue Taxa von *Lunatipula* Edwards aus der mediterranen Subregion der Palaearktis (Diptera, Tipulidae, *Tipula* Linnaeus), 3. Fortsetzung. *Beaufortia*, **30**: 17-29.
- 1980 Schnaken aus Oberösterreich (Diptera, Tipulidae), 2. *Jber. oberöst. Museal-Ver.*, **125**: 251-254.
- 1982 Neue Taxa von *Lunatipula* Edwards aus der mediterranen Subregion der Palaearktis (Diptera, Tipulidae, *Tipula* Linnaeus), 4. Fortsetzung. *Beaufortia*, **32**: 79-96.
- 1983 Über eine Aufsammlung von *Savtshenkia* Alexander, 1965, aus dem östlichen Mittelmeerraum (Diptera: Tipulidae). *Ent. Ber., Amst.*, **43**: 26-28.
- 1987 Neue Taxa von *Lunatipula* Edwards aus der mediterranen Subregion der Palaearktis (Diptera, Tipulidae, *Tipula* Linnaeus), 5. Fortsetzung. *Beaufortia*, **37**: 99-120.

Theischinger, G. (See Savchenko, E. N. and Theischinger, G.)

Theischinger, G. and Müller, K.

- 1978 Schnaken aus dem Mündungsgebiet des Ängaran (Diptera, Tipulidae). *Fauna Norrlandica*, **1978(6)**: 1-6.

Theischinger, G. and Theowald, Br.

- 1980 Katalog der Untergattung Lunatipula Edwards, 1931, s.l. (Diptera, Tipulidae, Tipula Linnaeus). Inkl. Emodotipula Alexander, 1965, Eremotipula Alexander, 1965, Hesperotipula Alexander, 1947, Labiotipula Alexander, 1965, Lindnerina Mannheims, 1965, Odonatisca Savtshenko, 1956, Triplitipula Alexander, 1965. *Versl. techn. Geg. Inst. Tax. Zool. (Zool. Mus.) Univ. Amsterdam*, **27**: 1-55.

Theowald, Br.

- 1956 Einige Bemerkungen über Tipuliden aus Lappland. *Ent. Ber., Amst.*, **16**: 223-225.
- 1957 Die Entwicklungsstadien der Tipulidae (Diptera, Nematocera) insbesondere der west-palaearktischen Arten. *Tijdschr. Ent.*, **100**: 195-308.
- 1957 Eine neue Tipulide aus Griechenland. *Ent. Ber., Amst.*, **17**: 225-228.
- 1958 Quelques notes sur les Tipulidae des Pyrénées. *Ent. Ber., Amst.* **18**: 30-33.
- 1967 Familie Tipulidae (Diptera, Nematocera). Larven und Puppen. *Bestimm. Büch. Bodenfauna Europas*, **7**: 1-100.
- 1968 Die Tipula excisa-Gruppe in den Pyrenäen (Diptera). *Beaufortia*, **15**: 191-194.
- 1969 Die Limoniiden der Färöer (Diptera). *Bonn. zool. Beitr.*, **4**: 345-350.
- 1970 Tipula (Vestiplex) intermixta Riedel (Diptera, Tipulidae). *Ent. Ber., Amst.*, **30**: 7-8.
- 1971 Drei holarktische Symplecta-Arten (Diptera, Limoniidae). *Beaufortia*, **19**: 45-56.
- 1971 Die Tipuliden der Benelux Länder. *Tijdschr. Ent.*, **114**: 217-238.
- 1972 Die Tipuliden Algeriens (Diptera, Tipulidae). *Ent. Ber., Amst.*, **32**: 3-5.
- 1972 Die Tipuliden der Kanarischen Inseln (Diptera, Tipulidae). *Bull. zool. Mus. Univ. Amsterdam*, **2**: 135-146.
- 1972 Die Tipuliden der griechischen Insel Rhodos (Diptera, Tipulidae). *Ent. Ber., Amst.*, **32**: 133-137.
- 1973 15. Tipulidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, 3(5)1, Lief. 300: 321-404.
- 1977 Tipula (Vestiplex) vaillanti nov. spec. (Diptera, Tipulidae). *Ent. Ber., Amst.*, **37**: 8-10.
- 1977 Die Tipuliden von Makaronesien (Insecta, Diptera, Tipulidae). Ein systematischer und zoogeographischer Beitrag zur Kenntnis von Inselfaunen. *Beaufortia*, **26**: 153-204.
- 1978 15. Tipulidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, 3(5)1, Lief. 318: 405-436.
- 1978 Tipulidae und Cylindrotomidae. In: Illies, J. (ed.): *Limnofauna Europaea*, Ed. 2. Stuttgart: 363-366.
- 1978 Tipuliden aus Iran und Afghanistan (Diptera, Tipulidae). *Bull. zool. Mus. Univ. Amsterdam*, **6**: 69-77.

- 1980 15. Tipulidae. In: Lindner, E. (ed.): *Die Fliegen der palaearktischen Region*, 3(5)1, Lief. 324: 437-538.
- 1981 Neues über Limoniiden und Tipuliden von Makaronesien (Insecta, Diptera). *Bull. zool. Mus. Univ. Amsterdam*, 8: 45-50.
- 1982 Craneflies (Dipt.: Tipulidae) in coastal areas of the Gulf of Bothnia. In: Müller, K. (ed.): *Coastal research in the Gulf of Bothnia*: 263-268.
- 1984 Taxonomie, Phylogenie und Biogeographie der Untergattung Tipula (Tipula) Linnaeus, 1758 (Insecta, Diptera, Tipulidae). *Tijdschr. Ent.*, 127: 33-78.
- Theowald, Br.** (See Dia, A. and Theowald, Br.)
- Theowald, Br.** (See Erhan (Dincă), E. and Theowald, Br.)
- Theowald, Br.** (See Mannheims B. and Theowald, Br.)
- Theowald, Br.** (See Mannheims, B., Nørrevang, A. and Theowald, Br.)
- Theowald, Br.** (See Oosterbroek, P., Schuckard, R. and Theowald, Br.)
- Theowald, Br.** (See Oosterbroek, P. and Theowald, Br.)
- Theowald, Br.** (See Theischinger, G. and Theowald, Br.)
- Theowald, Br. and Dufour, C.**
- 1983 Tipula (Savtshenkia) gimmerthali mattheyi ssp. n. from the French Pyrenees. *Mitt. schweiz. ent. Ges.*, 56: 283-284.
- Theowald, Br., Dufour, C. and Oosterbroek, P.**
- 1982 The zoogeography of the western palaearctic Tipulidae (Diptera), 4. The Tipulidae of Corsica and Sardinia with a note on Dolichopeza fuscipes Bergroth. *Mitt. schweiz. ent. Ges.*, 55: 317-332.
- Theowald, Br. and Mannheims, B.**
- 1956 Die Tipuliden der Sammlung Beling. *Ent. Ber., Amst.*, 16: 245-258.
- 1962 Die Arten der Tipula (Vestiplex) excisa-Gruppe in der Paläarkt. *Bonn. zool. Beitr.*, 13: 360-402.
- Theowald, Br. and Oosterbroek, P.**
- 1980 Zur Zoogeographie der westpalaearktischen Tipuliden, 1. Die Tipuliden von Nordafrika (Diptera, Tipulidae). *Beaufortia*, 30: 179-192.
- 1981 Zur Zoogeographie der westpalaearktischen Tipulidae, 2. Die Tipuliden der iberischen Halbinsel. *Beaufortia*, 31: 1-20.
- 1983 Zur Zoogeographie der westpalaearktischen Tipulidae, 3. Die Tipuliden der europäischen Tiefebene (Diptera, Tipulidae). *Bonn. zool. Beitr.*, 34: 371-394.
- 1984 Zur Zoogeographie der westpalaearktischen Tipulidae, 5. Die Italienischen Tipuliden (Diptera, Nematocera). *Fragm. ent., Roma*, 17: 245-291.
- 1985 Zur Zoogeographie der westpaläarktischen Tipulidae, 6. Die Tipuliden der montanen, alpinen und borealen Gebiete (Insecta, Diptera, Tipulidae). *Bonn. zool. Beitr.*, 36: 185-220.
- 1986 Zur Zoogeographie der westpalaearktischen Tipulidae, 7. Die Tipuliden der Balkan Halbinsel (Diptera, Tipulidae). *Tijdschr. Ent.*, 129: 1-13.

- 1987 The zoogeography of the western Palaearctic Tipulidae (Diptera), 8. The Tipulidae of Israel and adjacent regions. *Israel J. Ent.*, **20**: 71-83.
- Thomas, A. G. B.**
- 1968 Limoniidae et Ptychopteridae du Sud-Ouest de la France (1re note). *Annls Limnol.*, **4**: 225-233.
- 1972 Sur quatre Limonia (Dicranomyia) européennes peu connus (Diptera, Tipulidae). *Annls Limnol.*, **8**: 63-70.
- 1977 Limoniidae et Ptychopteridae du Sud-Ouest de la France (Diptera, Nematocera) (2e note). *Annls Limnol.*, **13**: 47-55.
- Thomas, A. G. B. and Dia, A.**
- 1982 Les Antocha (Imagos) du sud de Liban (Diptera, Limoniidae). *Annls Limnol.*, **18**: 319-326.
- Thomas, A. G. B. and Vaillant, F.**
- 1977 Limoniidae, Trichoceridae et Ptychopteridae des Alpes Francaises (Diptera, Nematocera). *Bull. Soc. Hist. nat. Toulouse*, **113**: 387-395.
- 1978 Limoniidae et Ptychopteridae des Alpes Francaises (Diptera, Nematocera). *Bull. Soc. Hist. nat. Toulouse*, **114**: 447-454.
- Thomas, A. G. B., Vaillant, F. and Brunhes, J.**
- 1980 Limoniidae et Ptychopteridae du Massif Central Francais (Diptera, Nematocera). *Bull. Soc. Hist. nat. Toulouse*, **116**: 77-82.
- Thomson, C. G.**
- 1869 6. Diptera. In: *Kongliga svenska fregatten Eugenie's resa omkring jorden (q.v.)*, Part 2, Zoologie, Sec. 1, Insekter. Stockholm: 443-614.
- Thunberg, C. P.**
- 1784 Novae Insectorum species. *Nova Acta R. Soc. Scient upsal.*, **4**: 1-28.
- 1789 *D. D. Museum Naturalium Academiae Upsaliensis 7 (Publico examini subjicit Johannes Branzell). Donation. Thunbergianae 1785. Continuat. V. Upsaliae [= Upsala]*: 85-94.
- Tjeder, B.**
- 1936 Beiträge zur Kenntnis Schwedischer Diptera Nematocera, 2-3. *Ent. Tidskr.*, **57**: 132-135.
- 1941 Some thirty additions to the Swedish Fauna. *Opusc. ent.*, **6**: 56-63.
- 1948 The Swedish Prionocera. *Opusc. ent.*, **13**: 75-99.
- 1949 Description of a new species of Nephrotoma from Sweden (Dipt. Tipulidae). *Opusc. ent.*, **14**: 110.
- 1952 A new Oxyrhiza (Dipt. Tipulidae). *Opusc. ent.*, **17**: 125-128.
- 1955 Five new Swedish Craneflies (Dipt. Tipulidae). Preliminary descriptions. *Opusc. ent.*, **20**: 225-227.
- 1955 Catalogus Insectorum Sueciae. 14. Diptera: Fam. Tipulidae. *Opusc. ent.*, **20**: 229-247.
- 1958 A synopsis of the Swedish Tipulidae. 1. Subfam. Limoniinae: tribe Limoniini. *Opusc. ent.*, **23**: 133-169.

- 1959 A synopsis of the Swedish Tipulidae, 2. Subfam. Limoniinae: tribe Pedicini. *Opusc. ent.*, **24**: 1-9.
- 1963 Notes on Cheilotrichia areolata (Lundstr.) (Diptera, Limoniidae). *Notul. ent.*, **43**: 133-136.
- 1963 Three subapterous crane-flies from Alaska (Dipt. Tipulidae). *Opusc. ent.*, **28**: 229-241.
- 1964 Neuroptera, Trichoptera and Diptera-Tipulidae from Iceland with a redescription of Rhabdomastix parva Siebke. *Opusc. ent.*, **29**: 143-151.
- 1965 Notes on Ormosia brevinervis (Lundstr.) (Diptera, Tipulidae). *Notul. ent.*, **45**: 149-153.
- 1965 Faunistic notes on Norwegian Tipulidae (Dipt.). *Norsk ent. Tidsskr.*, **13**: 41-46.
- 1967 The identity of Rhabdomastix parva Edw., 1938 (Diptera: Tipulidae). *Opusc. ent.*, **32**: 225-227.
- 1967 Kullabergs närtvingar, näbbsländor, nattsländor och harkrankar. *Kullabergs Natur*, **12**: 3-21.
- 1967 A new name in European Tipulidae. *Opusc. ent.*, **32**: 228.
- 1968 Notes on the Scandinavian Ptychopteridae, with description of a new species (Diptera). *Opusc. ent.*, **33**: 73-79.
- 1968 A new name in European Tipulidae and two additions to the Swedish list. *Opusc. ent.*, **33**: 280.
- 1969 Three new Tipulidae from Sweden (Diptera). *Opusc. ent.*, **34**: 250-256.
- 1969 Limnophila prolixicornis Bergroth in Lundström, 1907, and L. umbrarum Krogerus, 1957. Notes and lectotype designations (Diptera, Tipulidae). *Notul. ent.*, **49**: 254-256.
- 1970 Rhypholophus affinis Lundbeck, 1898, from Greenland; redescription and lectotype designation (Diptera: Tipulidae). *Ent. Meddr.*, **38**: 253-256.
- 1972 Rhypholophus pseudosimilis Lundström, 1912; lectotype designation (Diptera, Tipulidae). *Notul. ent.*, **52**: 79-80.
- 1972 The invertebrate fauna of the Kilpisjärvi area, Finish Lapland. 15. Description of new Dicranota and Arctoconopa species from northern Fennoscandia (Diptera, Tipulidae). *Acta Soc. Fauna Flora fenn.*, **80**: 223-231.
- 1973 A new species of Erioptera from Sweden (Dipt. Tipulidae). *Ent. scand.*, **4**: 111-114.
- 1974 Harkrankar (Tipulidae, partim) och Glansmyggor (Ptychopteridae) i Messaureområdet. *Norrb. Natur småskr.*, **1**: 1-5.
- 1979 Ptychopteridae and Tipulidae (Cylindrotominae and Tipulinae) from the Abisko Area, Torne Lapland, Sweden (Ins.: Diptera). *Fauna Norrlandica*, **1978(9)**: 1-10.

Tjeder, B. (See Mendl, H. and Tjeder, B.)

Tokunaga, M.

- 1930 The morphological and biological studies on a new marine cranefly, *Limonia* (*Dicranomyia*) *monostromia*, from Japan. *Mem. Coll. Agric. Kyoto Univ.*, **10**: 1-93.
- 1932 A remarkable dipterous insect from Japan, *Nymphomyia alba*, gen. et sp. nov. *Annotnes zool. jap.*, **13**: 559-569.
- 1933 A marine crane fly, *Limonia* (*Dicranomyia*) *trifilamentosa*, of the Pacific coast of Japan, with special reference to the ecology and the morphology of its immature stages. *Philipp. J. Sci.*, **50**: 327-343.
- 1935 Three new crane-flies from Japan. *Annotnes zool. jap.*, **15**: 194-199.
- 1936 Three marine crane-flies from Japan. *Annotnes zool. jap.*, **15**: 460-468.
- 1938 A new marine crane-fly from Japan. *Annotnes zool. jap.*, **17**: 165-169.
- 1938 New or little-known Trichoceridae from Japan (Diptera). *Tenthredo*, **2**: 137-150.
- 1938 Two undescribed species of Japanese Ptychopterid craneflies. *Mushi*, **11**: 186-190.
- 1939 Female and larva of the marine cranefly, *Limonia* (*Idioglochina*) *gloriosa* Tokunaga. *Annotnes zool. jap.*, **18**: 101-104.
- 1939 A new Japanese Ptychopterid cranefly. *Mushi*, **12**: 78-80.
- 1940 Revision on marine craneflies, with descriptions of some species. *Kontyû*, **14**: 133-148.

Tokunaga, M., Ishida, H. and Nobuchi, A.

- 1954 Crane flies injurious to useful mush-rooms in Japan, with revision of the Japanese *Ula* species and descriptions of a known and three new species and immature stages of two species (Tipulidae, Diptera). *Sci. Rep. Saikyo Univ. Agric.*, **6**: 1-10.

Tomov, V. (See Savchenko, E. N. and Tomov, V.)**Tonnoir, A. L.**

- 1919 Notes sur les Ptychopteridae (Dipt.). *Annls Soc. ent. Belg.*, **59**: 115-122.
- 1930 Notes on Indian Blepharocerid larvae and pupae with remarks on the morphology of Blepharocerid larvae and pupae in general. *Rec. Indian Mus.*, **32**: 161-214.
- 1931 Notes on some types of Indian Blepharoceridae. *Rec. Indian Mus.*, **33**: 283-289.
- 1932 Notes on Indian Blepharoceridae III. *Rec. Indian Mus.*, **34**: 269-275.

Tonnoir, A. L. (See Goetghebuer, M. and Tonnoir, A. L.)**Torii, T.**

- 1988 Redescription of *Antocha* (*Proantocha*) *spinifer* (Diptera, Tipulidae). *Kontyû*, **56**: 354-364.

Tóth, S.

- 1983 Data to the Tipulidae fauna of Juniper woodland of Barcs, Hungary (Diptera). *Dunántúli Dolg. Termész. Sorozat*, **3**: 73-78 (in Hungarian).

Turton, W.

- 1802 *A General System of Nature, through the three grand kingdoms of animals, vegetables, and minerals*. London, **3**: 1-784.

Vaillant, F.

- 1951 Sur *Orimarga hygropetrica* n. sp. *Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble*, **41/42**: 43-47.
- 1952 Quelques Limoniidae a larves hygropétriques (Diptera). *Revue fr. Ent.*, **19**: 244-251.
- 1953 Les Dolichopeza de Fance et d'Algerie (Diptera Tipulidae). *Bull. Inst. r. Sci. nat. Belg.*, **29**(23): 1-4.
- 1956 Les Blepharoceridae d'Afrique du Nord (Dipt.). *Bull. Soc. ent. Fr.*, **61**: 113-120.
- 1956 Recherches sur la faune madicole (Hygropétrique s.l.) de France, de Corse et d'Afrique de Nord. *Mém. Mus. natn. Hist. nat. (N.S.), Sér. A., Zool.*, **11**: 1-257.
- 1968 Les Diptères Blepharoceridae de la France Continentale. *Trav. Lab. Hydrobiol. Piscic. Univ., Grenoble*, **59/60**: 103-115.
- 1970 Transformations de la faune de l'Isère à Grenoble sous l'effet de la pollution. *Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble*, **61**: 17-32.
- 1988 Contribution to the Turkish Blephariceridae and Ptychopteridae (Diptera). *Mitt. schweiz. ent. Ges.*, **61**: 123-129.

Vaillant, F. (See Thomas, A. G. B. and Vaillant, F.)

Vaillant, F. (See Thomas, A. G. B., Vaillant, F. and Brunhes, J.)

Vallot, J. N.

- 1802 *Concordance Systématique, servant de table de matières a l'ouvrage de Réaumur*. Paris: XVII+1-196.

Vály, Á.

- 1982 Data to the knowledge of the tipulids of Hungary (Diptera: Tipulidae). *Folia ent. hung.*, **43**: 251-253 (In Hungarian).

Vane Wright, R. I. (See Hutson, A. M. and Vane Wright, R. I.)

Venturi, F.

- 1956 Di alcune Chionea (Limnobiidae) italiane nel quadro delle species europee. *Memorie Mus. civ. Stor. nat. Verona*, **5**: 93-105.
- 1968 Un Cilindrotomide (Dipt.) meiottero delle formazioni boschive della Toscana litoranea (*Xylocyla goidanichi* gen.n., sp.n.). *Frustula ent.*, **9**(3): 1-23.

Vermoolen, D.

- 1983 The Tipula (*Acutipua*) maxima group (Insecta, Diptera, Tipulidae). I. Taxonomy and Distribution. *Bijdr. Dierk.*, **53**: 49-81.

Verrall, G. H.

- 1886 A hundred new British species of Diptera. *Entomologist's mon. Mag.*, **22**: 179-182, 199-202, 230-234.

- 1886 List of British Tipulidae, &c. ("Daddy-Longlegs"), with notes. *Entomologist's mon. Mag.*, **23**: 117-125, 156-160.
- 1887 List of British Tipulidae, &c. ("Daddy-Longlegs"), with notes. *Entomologist's mon. Mag.*, **23**: 205-209, 263-267.
- 1887 List of British Tipulidae, &c. ("Daddy-Longlegs"), with notes. *Entomologist's mon. Mag.*, **24**: 108-112.
- 1888 List of British Tipulidae, &c. ("Daddy-Longlegs"), with notes. *Entomologist's mon. Mag.*, **25**: 20-27, 97-99.
- Villers, C. J.**
- 1789 *Caroli Linnaei entomologia, faunae suecicae descriptionibus aucta*. Lugduni [= Lyon], **3**: 1-657.
- Vimmer, A.**
- 1916 O trech novych družich a nekterych starsich rodu *Liponeura* (Dipt.). Príspevek k musi faune Bulharska. *Rozpr. české Akad.*, (2), **25**(5): 1-18.
- Vimmer, A.** (See Komárek, J. and Vimmer, A.)
- Viramo, J.** (See Mendl, H., Müller, K. and Viramo, J.)
- Violovich, N. A.** (See Savchenko E. N. and Violovich, N. A.)
- Violovich, N. A.** (See Savchenko E. N., Violovich, N. A. and Narchuk, E. P.)
- Vuković, M.** (See Oosterbroek, P. and Vuković, M.)
- Vuković, M.** (See Simova (Tošić), D. and Vuković, M.)
- Wagner, R.**
- 1978 Familie Ptychopteridae. In: Illies, J. (ed.): *Limnofauna Europaea*, Ed. 2. Stuttgart: 532.
- 1980 Die Dipterenemergenz am Breitenbach (1969-1973). *Spixiana*, **3**: 167-177.
- 1982 Dipteren-Emergenz zweier Lünzer Bäche 1972-1974 nebst Beschreibung einer neuen Empidide. *Arch. Hydrobiol.*, **95**: 491-506.
- Wahlgren, E.**
- 1904 Über einige Zetterstedt'sche Nemocerentypen. *Arkiv Zool.*, **2**(7): 1-19.
- 1905 Diagnosen neuer schwedischen Polyneuren. *Ent. Tidskr.*, **26**: 69-72.
- Walker, F.**
- 1848 *List of the specimens of dipterous insects in the collection of the British Museum*. London, **1**: 1-229.
- 1856 *Diptera*. In: *Insecta Saundersiana: or characters of undescribed insects in the collection of William Wilson Saunders, Esq., F. R. S., F. L. S., &c.* London **1**: 415-474.
- 1856 *Insecta Brittanica, Diptera*. London, **3**: XXIV+1-352.
- Wallace, B.** (See O'Connor, J. P., O'Connor, M. A., Wallace, I. D. and Wallace, B.)
- Wallace, I. D.** (See O'Connor, J. P., O'Connor, M. A., Wallace, I. D. and Wallace, B.)
- Wallengren, H. D. J.**
- 1882 Revision af Skandinaviens Tipulidae. *Ent. Tidskr.*, (1) **2**(4): 177-208. [Usually cited as 1881.]
- 1882 Revision af Skandinaviens Tipulidae (Forts). *Ent. Tidskr.*, (1) **3**(1): 13-30.

Westhoff, F.

- 1879 Beitrag zur Kenntniss der westfälischen Arten der Abteilung Tipulinae Schiner. *Jber. westf. ProvVer. Wiss. Kunst*, **1879**: 39-54.
 1882 Ueber den Bau des Hypopygiums der Gattung *Tipula* Meigen mit Berücksichtigung seiner generischen und spezifischen Bedeutung nebst einem systematischen Verzeichnisse aller bisher in der Provinz Westfalen aufgefundenen Arten aus der Families der Tipulidae. *Erster Theil*. Dissertation, Münster: 1-61.

Weinberg, M.

- 1973 Catalogue of Diptera types from the Museum of Natural History "Gr. Antipa". *Trav. Mus. Hist. nat. "Grigore Antipa"*, **13**: 273-280.

Westwood, J. O.

- 1835 Insectorum nonnullorum novorum (ex ordine Dipterorum) descriptiones. *Annls Soc. ent. Fr.*, (1) **4**: 681-685.
 1840 Order XIII. Diptera Aristotle (Antliata Fabricius. Halteriptera Clairv.). Synopsis of the genera of British insects. In: *An introduction to the modern classification of insects*. London, **2**: 125-158.
 1842 G. Asténie. Asthenia. Westwood. *Mag. Zool. Anat. comp. (Guérin's Magazin)*, **12**(94): 1-2.
 1876 Notae Dipterologicae. No. 2. - Descriptions of some new exotic species of Tipulidae. *Trans. R. ent. Soc. Lond.*, **1876**: 501-506.
 1881 Notae Dipterologicae. No. 5. - Descriptions of new species of exotic Tipulidae, with an annotated summary of species belonging to the same family, previously described. *Trans. R. ent. Soc. Lond.*, **1881**: 363-385.

Wiedemann, C. R. W.

- 1817 Neue Zweiflügler aus der Gegend um Kiel. *Zool. Mag., Kiel*, **1**: 61-86.
 1820 *Diptera exotica*. Ed. 1. Kiel, **1**: XIX+1-42.
 1828 *Aussereuropäische zweiflügelige Insekten*. Hamm, **1**: XXXII+1-608.
 1830 *Aussereuropäische zweiflügelige Insekten*. Hamm, **2**: XII+1-684.

Wiedeńska, J.

- 1986 Crane-flies (Diptera, Limoniidae) of Swietokrzyskie Mts. Part 1. Limoniidae of the Lubrzanka river valley. *Fragm. Faun.*, **30**: 99-120 (In Polish).

Wiedeńska, J. (See Krzemiński, W. and Wiedeńska, J.)**Williston, S. W.**

- 1900 Diptera. In: Godman F. D. and Salvin, O. (eds): *Biologia Centrali-Americana. Insecta*. London, **1**: 217-298.

Wollaston, T. V.

- 1858 Brief Diagnostic Characters of undescribed Madeiran Insects. *Ann. Mag. nat. Hist.*, (3) **1**: 113-125.

Wormell, P.

- 1982 The entomology of the isle of Rhum National Nature Reserve. *Biol. J. Linn. Soc.*, **18**: 291-401.

Wrage, H.-A.

- 1978 Über Struktur und Abwandlung der Stelzenmückenpopulationen im Ökosystem "Salzwiese" der Nordseeküste (Limoniidae, Diptera, Nematocera). *Mitt. dt. Ges. allg. angew. Ent.*, **1**: 220-223.
- 1982 Ökologie der Stelzenmücken (Limoniidae) des Litorals und angrenzender Gebiete im Nordseeküstenbereich (Diptera, Nematocera). *Faun.-Ökol. Mitt.*, **3**: 1-48.

Wu, C. F.

- 1940 Tipulidae. *Catalogus Insectorum Sinensium*, **5**: III+1-77.

Wulp, F. M. van der

- 1858 Beschrijving van eenige nieuwe of twijfelachtige soorten van Diptera uit de familie der Nemocera. *Tijdschr. Ent.*, **2**: 159-185.
- 1874 Dipterologische aantekeningen. *Tijdschr. Ent.*, **17**: 109-148.
- 1880 Eenige Diptera van Nederlandsch Indië. *Tijdschr. Ent.*, **23**: 155-194.
- 1883 Opmerkingen betreffende Tipuliden. *Tijdschr. Ent.*, **26**: 175-180.
- 1885 On exotic Diptera. *Notes Leyden Mus.*, **7**: 1-15.

Yang, D. (See Yang, J. [C.] and Yang, D.)**Yang, D. and Yang, J. [C.]**

- 1987 New species of Nephrotoma from North China (Diptera: Tipulidae). *Acta Agric. Univ. Pekinensis*, **13**: 243-248 (In Chinese and English).
- 1988 The crane flies of Fanjing mountain (Diptera: Tipulidae). In: *Insect studies of Fanjing mountain, Special Vol.*: 111-114 (In Chinese and English).
- 1989 Four new species of the genus Dictenidia (Diptera: Tipulidae). *Acta Agric. Univ. Pekinensis*, **15**: 69-73 (In Chinese and English).

Yang, J. [C.] (See Yang, D. and Yang, J. [C.]**Yang, J. [C.] and Yang, D.**

- 1987 The crane flies of Nephrotoma of Xizang (Diptera: Tipulidae). In: *Agricultural Insects, Spiders, Plant Diseases and Weeds of Xizang*, **1**: 127-133 (In Chinese and English).
- 1987 The Nephrotoma species of Hubei Province (Diptera: Tipulidae). *J. Huazhong Agric. Univ.*, **6**: 130-137 (In Chinese and English).
- 1988 Six new species of Pselliophora from China (Diptera: Tipulidae). *Entomotaxon.*, **10**: 5-10 (In Chinese and English).
- 1988 Six new species of the genus Tanyptera from China (Diptera: Tipulidae). *J. Hubei Univ. (Nat. Sci.)*, **10**: 70-75 (In Chinese and English).

Zangheri, P.

- 1949 Fauna di Romagna Ditteri. *Memorie Soc. ent. ital.*, **28**: 5-30.
- 1969 Repertorio sistematico e topografico della flora e fauna vivente e fossile della romagna. Verona, **3**: 855-1414.

Zapolska, T. I. (See Savchenko E. N. and Zapolska, T. I.)**Zetterstedt, J. W.**

- 1837 Conspectus familiarum, generum et specierum dipterorum in fauna insectorum Lapponica descriptorum. *Isis (Oken's)*, **1837**(1): 28-67.

- 1838 *Dipterologis scandinaviae. Sectio tertia, Diptera. In: Insecta Lapponica. Lipsiae [=Leipzig]: 477-868.*
- 1851 *Diptera Scandinaviae, disposita et descripta. Lundae [= Lund], 10: 3711-4090.*
- 1852 *Diptera Scandinaviae, disposita et descripta. Lundae [= Lund], 11: XII+4091-4546.*
- 1855 *Diptera Scandinaviae, disposita et descripta. Lundae [= Lund], 12: XX+4547-4942.*
- 1860 *Diptera Scandinaviae, disposita et descripta. Lundae [= Lund], 14: 6191-6609.*

Zimmerman, W. (See Joost, W., Klausnitzer, B. and Zimmerman, W.)

Zimmerman, W. (See Joost, W. and Zimmerman, W.)

Zinovjev, G. A. and Savchenko, E. N.

- 1962 On the fauna of crane flies (Diptera, Tipulidae) of the Amur and Zea rivers inter-area. *Ent. Obozr.*, **41**: 554-571 (In Russian).

Zitek-Zwyrtek, K.

- 1971 Czechoslovak species of the family Ptychopteridae (Diptera). *Acta ent. bohemoslov.*, **68**: 416-426.

Zwick, P.

- 1968 Zur Kenntnis der Gattung Diptopsis (Dipt., Blepharoceridae) in Europa. *Mitt. schweiz. ent. Ges.*, **41**: 253-265.
- 1970 *Blepharocera fasciata* ssp. gynops nov. ssp. aus Sardinien (Dipt.). *Mitt. schweiz. ent. Ges.*, **43**: 56-58.
- 1972 *Blephariceridae* (Dipt.) aus der asiatischen Türkei. *Nouv. Revue Ent.*, **2**: 21-42.
- 1974 *Blephariceridae* (Dipt.) aus Kreta. *Mitt. schweiz. ent. Ges.*, **47**: 33-37.
- 1977 Australian *Blephariceridae*. *Aust. J. Zool., Suppl.*, **46**: 1-121.
- 1978 Beitrag zur Kenntnis europäischer *Blephariceridae* (Diptera). *Bonn. zool. Beitr.*, **29**: 241-266.
- 1978 *Blephariceridae*. In: Illies, J. (ed.): *Limnofauna Europaea*, Ed. 2. Stuttgart: 361-362.
- 1980 The Net-Winged Midges of Italy and Corsica (Diptera: *Blephariceridae*). *Aquat. Ins.*, **2**: 33-61.
- 1981 42 *Blephariceridae*. In: Keast, A. (ed.): Ecological Biogeography of Australia. *Monogr. Biol.*, **41**: 1181-1193.
- 1982 Verbreitung und Herkunft mitteleuropäischer *Blephariceridae* (Diptera). *Acta Mus. Reginaehradecensis, Ser. A., Suppl.*, **1980** (1982): 152-155.
- 1982 *Liponeura matris*, a new net-winged midge from the south of France (Diptera: *Blephariceridae*). *Annls Limnol.*, **17**: 251-254.
- 1988 Contribution to the Turkish *Blephariceridae* and *Ptychopteridae* (Diptera). *Mitt. schweiz. ent. Ges.*, **61**: 123-129.
- 1990 Taxonomic and nomenclatorial notes on Holarctic *Blephariceridae* (Diptera). *Bonn. zool. Beitr.*, **41**: 231-257.

- 1991 Notes on some types of Indian Blephariceridae (Diptera) named by B. K. Kaul. *Aquat. Insects*, **13**: 129-132.
- Zwyrtek, K. and Rozkošný, R.**
- 1967 Ptychoptera silvicola sp. n. - eine neue Ptychopteriden-Art aus der Ostslowakei (Diptera). *Acta Mus. Mor., Sci. nat.*, **52**: 197-200.

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.

[*Tipula*]: Names removed from *Tipula* and not mentioned under one of the other genera included in this volume.

Names of extra-Palaearctic species are in square brackets.

abbreviata LOEW, Gonomyia, 307

[abdominalis (ALEXANDER), Hexatoma, 238]

abdominalis (STAEGER), Phylidorea, 228

aberrans (WALKER), Austrolimnophila, 210

aberrans SAVCHENKO, Dactylolabis, 211

aberrans SAVCHENKO, Dicranota, 192

abjecta (ALEXANDER), Idiocera, 309

abludens (SAVCHENKO), Afrolimnophila,
216

abscondita LACKSCHEWITZ, Gonomyia, 301

abscondita LACKSCHEWITZ, Prionocera, 84

abscondita SAVCHENKO, ssp., Tipula, 162

absconsa ALEXANDER, Tipula, 101

absentiva MANNHEIMS, Prionocera, 84

acanthonympha (BRODSKIJ), Neohapalo-
thrix, 50

acanthophora (ALEXANDER), Prionolabis,
232

acanthophora ALEXANDER, Tipula, 91

acetosae SCHRANK, [Tipula], 170

acheron ALEXANDER, Gnophomyia, 300

Achyrolimonia ALEXANDER, 330

acicularis (ALEXANDER), Adelphomyia, 215

acicularis (ALEXANDER), Tricyphona, 202

aciculata EDWARDS, Ormosia, 286

acifera ALEXANDER, Tipula, 128

acifurca (ALEXANDER), Idiocera, 309

acifurca SAVCHENKO, Scleroprocta, 259

acirostris ALEXANDER, Tipula, 128

acrobata BEZZI, Alfredia, 369

acudens THEISCHINGER, Tipula, 101

aculeata (LOEW), Nephrotoma, 69

aculeata ALEXANDER, Ormosia, 286

acuminata MENDL, Dicranota, 192

acuminata STROBL, Tipula, 101

acurostris (ALEXANDER), Discobola, 352

acuspica (ALEXANDER), Tricyphona, 202

Acutipula ALEXANDER, subg., 91

acutistyla SAVCHENKO, Hesperoconopa, 259

acutistylus (ALEXANDER), Prionolabis, 232

adapazariensis THEISCHINGER, Tipula, 101

Adelphomyia BERGROTH, 215

adepts RIEDEL, Tipula, 109

adjuncta (WALKER), Neolimnomyia, 225

adrastea STARÝ et MENDL, Ellipteroides, 299

aduncus STARÝ, Molophilus, 274

adusta SAVCHENKO, Tipula, 101

adzhariolvida SAVCHENKO, Tipula, 102

aegle (EDWARDS), Elocophila, 218

aemula SAVCHENKO, Cheilotrichia, 266

aequalis (LOEW), Hexatoma, 242

aequinigra ALEXANDER, Hexatoma, 238

aequinoctialis WESTHOFF, Tipula, 164

aequirama SAVCHENKO, Molophilus, 274

- aequistylus* SAVCHENKO, *Molophilus*, 274
aequivena ALEXANDER, *Orimarga*, 328
aestiva SAVCHENKO, *Tipula*, 153
affinis (LACKSCHEWITZ), *Cheilotrichia*, 266
affinis (SCHUMMEL), *Dicranomyia*, 337
affinis LACKSCHEWITZ, *Erioptera*, 255
affinis (ZETTERSTEDT), *Limonia*, 362
affinis (LUNDBECK), *Ormosia*, 286
affinis SCHUMMEL, *Tipula*, 102
affixa ALEXANDER, *Ormosia*, 286
afghana (NIELSEN), *Antocha*, 325
afghanica (ALEXANDER), *Baeoura*, 250
afghanica (NIELSEN), *Idiocera*, 309
afghanicus ALEXANDER, *Molophilus*, 284
afriberia THEOWALD et OOSTERBROEK, ssp., *Tipula*, 164
Afrolimnophila ALEXANDER, 216
Afrolimonia ALEXANDER, subg., 355
agarici DE GEER, [*Tipula*], 170
agaricina VALLOT, [*Tipula*], 170
Agathon VON RÖDER, 40
agilis DUFOUR et BRUNHES, ssp., *Tipula*, 129
ahrensi SAVCHENKO, *Tipula*, 148
aino (ALEXANDER), *Afrolimnophila*, 216
aino ALEXANDER, *Tipula*, 160
akitae ALEXANDER, *Nephrotoma*, 74
[alascaensis] ALEXANDER, *Tipula*, 97
alata THEOWALD, ssp., *Tipula*, 135
alba TOKUNAGA, *Nymphomyia*, 374
alba GMELIN, [*Tipula*], 170
albibasis (SAVCHENKO), *Hoplolabis*, 270
albibasis ALEXANDER, *Molophilus*, 284
albifrons (MEIGEN), *Limonia*, 357
albifrons RONDANI, *Pelosia*, 369
albifrons SAVCHENKO, *Tipula*, 160
albimana (FABRICIUS), *Ptychoptera*, 371
albipennis FABRICIUS, [*Tipula*], 170
albipes (STRÖM), *Dolichopeza*, 63
albireo ALEXANDER, *Molophilus*, 274
albitibia (ALEXANDER), *Dolichopeza*, 64
albitibia EDWARDS, *Ormosia*, 286
albofascia (ALEXANDER), *Eloeophila*, 217
[alboguttata] EDWARDS, *Erioptera*, 252
alboguttata (MATSUMURA), *Hexatoma*, 238
albohalteratus ALEXANDER, *Molophilus*, 274
albomaculata SCHRANK, [*Tipula*], 170
[albomanicata] (ALEXANDER), *Limnophila*, 222
alboscuteallatus (VON ROSER), *Ellipteroides*, 299
albostrata STROBL, *Tipula*, 102
aldrichi (ALEXANDER), *Arctoconopa*, 249
aleutica ALEXANDER, *Tipula*, 95
alexanderi MENDL et TJEDER, *Baeoura*, 250
alexanderi SAVCHENKO, *Ormosia*, 286
alexanderi (STARÝ), *Phylidorea*, 227
alexanderi LACKSCHEWITZ, *Phyllolabis*, 204
alexanderi KARIYA, *Protanyderus*, 38
alexanderi (SAVCHENKO), *Symplecta*, 262
alexanderiana (LACKSCHEWITZ), *Idiocera*, 309
alexanderianus NIELSEN, *Molophilus*, 274
Alfredia BEZZI, 369
algira VAILLANT, *Dolichopeza*, 63
[alhnicola] (KAUL), *Blepharicera*, 44
[aligera] SAVCHENKO, ssp., *Tipula*, 157
Allarithmia LOEW, 238
allgaeui BISCHOFF, *Liponeura*, 48
alluaudi (PIERRE), *Nephrotoma*, 69
Alophroida RONDANI, 178
alpestris PEUS, ssp., *Cylindrotoma*, 180
alpestris SCHRANK, [*Tipula*], 170
alpicola ALEXANDER, *Cladura*, 246
alpicola (LACKSCHEWITZ), *Limonia*, 357
alpigena (MIK), *Antocha*, 326
alpigena (STROBL), *Tricyphona*, 203
alpina (STROBL), *Cheilotrichia*, 267
alpina BEZZI, *Chionea*, 245
alpina BANGERTER, *Dicranomyia*, 346
alpina (ZETTERSTEDT), *Orimarga*, 328
alpina LOEW, *Tipula*, 102
alpinus KITAKAMI, *Phylorus*, 51
alpium BERGROTH, *Tipula*, 141
altaica (BRODSKIJ), *Asioreas*, 41
altaica SAVCHENKO, ssp., *Tipula*, 96
alticola GIUDICELLI et BOUZIDI, *Liponeura*, 45
alticola SAVCHENKO, *Tipula*, 110
alticola STROBL, *Tricyphona*, 202
alticrista ALEXANDER, *Nephrotoma*, 69
altivolans (ALEXANDER), *Angarotipula*, 58

- altivolans SAVCHENKO, ssp., *Tipula*, 110
 aluco ALEXANDER, *Tipula*, 131
 alyxis ALEXANDER, *Tipula*, 153
 amabilis TAKAHASHI, *Ctenophora*, 60
 amabilis ALEXANDER, *Limonia*, 357
 amakazarii ALEXANDER, *Ormosia*, 286
Amalopina BRUNETTI, subg., 186
Amalopis HALIDAY, subg., 197
 amatrix (ALEXANDER), *Libnotes*, 356
 ambigua SAVCHENKO, *Tipula*, 153
 amblyostyla SAVCHENKO, *Tipula*, 160
 amicorum SAVCHENKO et TOMOV, *Ormosia*, 286
amicorum MANNHEIMS et THEOWALD, *Tipula*, 111
 amacula (ALEXANDER), *Ellipteroides*, 300
Amika KITAKAMI, 42
amoena (LOEW), *Tanyptera*, 89
 amphibia DE GEER, [*Tipula*], 170
Amphinome MEIGEN, 357
 ampliata ALEXANDER, *Tipula*, 102
 amplificata (ALEXANDER), *Dicranomyia*, 332
 ampullifera (STARÝ), *Idiocera*, 309
 ampullifera MANNHEIMS, *Tipula*, 102
amseli MANNHEIMS, *Tipula*, 166
 amseliana (NIELSEN), *Hoplolabis*, 270
 amurensis ALEXANDER, *Dicranomyia*, 332
 amurensis ALEXANDER, ssp., *Tipula*, 98
 amytis ALEXANDER, *Tipula*, 167
 analis (SANTOS ABREU), *Austrolimnophila*, 209
analis ZETTERSTEDT, *Erioptera*, 255
analis (MEIGEN), *Limonia*, 360
 analis (SCHUMMEL), *Nephrotoma*, 69
 [anamalaiensis ALEXANDER, *Apistomyia*, 53]
 anatolica ZWICK, *Liponeura*, 45
 anatoliensis THEOWALD, *Tipula*, 125
 ancae (MENIER et MATILE), *Chionea*, 245
 anceps LACKSCHEWITZ, *Prionocera*, 85
 anceps SAVCHENKO, *Tipula*, 161
andalusiaca (STROBL), *Symplecta*, 265
anderi TJEDER, *Prionocera*, 84
 Angarotipula SAVCHENKO, 58
 angela MANNHEIMS, *Tipula*, 102
 angelica THEOWALD, *Tipula*, 102
 angelieri GIUDICELLI et LAVANDIER, *Liponeura*, 45
 angulata ALEXANDER, *Dicranota*, 193
 angulifera ALEXANDER, *Gonomyia*, 306
 angustaurata ALEXANDER, *Ormosia*, 292
 angusticellula ALEXANDER, *Rhabdomastix*, 315
 angustiligula ALEXANDER, *Tipula*, 128
 angustipennis ALEXANDER, *Cylindrotoma*, 180
angustipennis LACKSCHEWITZ, *Dactylolabis*, 214
angustipennis (ZETTERSTEDT), *Dicranomyia*, 350
angustipennis (MEIGEN), *Limnophila*, 224
 [angustipennis (LOEW), ssp., *Phoroctenia*, 83]
 angustipennis ALEXANDER, *Styringomyia*, 260
angustistria (ALEXANDER), *Atypophthalmus*, 331
 angustistria ALEXANDER, *Nephrotoma*, 69
 angustistyla ALEXANDER, *Dicranota*, 193
 angustistyla ALEXANDER, *Tanyptera*, 88
 anicilla MANNHEIMS, *Tipula*, 102
 animula MANNHEIMS, *Tipula*, 102
Anisomera MEIGEN, 237
 annandalei EDWARDS, *Geranomyia*, 353
 annularis DE GEER, [*Tipula*], 170
 annulata (LINNAEUS), *Discobola*, 352
 [annulata (SAY), *Dolichopeza*, 65]
 annulata LACKSCHEWITZ, *Limonia*, 357
 annulata MANNHEIMS, *Liponeura*, 50
 annulata LINNÉ, [*Tipula*], 170
 annulata MEIGEN, *Trichocera*, 34
annulicornis MEIGEN, *Tipula*, 148
 annulicornuta ALEXANDER, *Tipula*, 102
 annulirostris PIERRE, ssp., *Geranomyia*, 353
 annulus (MEIGEN), *Metalimnobia*, 365
 anomala (KUNTZE), *Dactylolabis*, 211
 anomala STROBL, *Gonomyia*, 307
 anomala MIK, *Orimarga*, 329
Anomaloptera LIOY, 83
 anonyma BERGROTH, *Tipula*, 147
 anormalipennis PIERRE, *Tipula*, 91
 antares ALEXANDER, *Molophilus*, 274

- antennata* SCHUMMEL, Tipula, 98
anthe MANNHEIMS, Tipula, 102
anthracina (ALEXANDER), Limonia, 358
anthracinus LACKSCHEWITZ, Molophilus, 274
 [anthracogramma (BERGROTH), Symplecta, 262]
antica ALEXANDER, Tanyptera, 88
antichasia THEISCHINGER, Tipula, 102
antilope THEISCHINGER, Tipula, 102
antilopina STARY, Idiocera, 310
antistes ALEXANDER, ssp., Limonia, 357
antithrix (MANNHEIMS), Nephrotoma, 69
Antocha OSTEN SACKEN, 322
Antocha OSTEN SACKEN, subg., 323
ANTOCHINI, 322
aperta WAHLGREN, Dicranomyia, 332
aperta (VERRALL), Euphyllidorea, 220
 [aperta (COQUILLETT), Hesperoconopa, 259]
aphrodite ZWICK, Apistomyia, 53
aphrodite MANNHEIMS, Tipula, 102
apicata (LOEW), Elocephila, 217
apicata ALEXANDER, ssp., Gymnastes, 308
apicidentatus ALEXANDER, Molophilus, 274
apicifusca ALEXANDER, Lipsothrix, 313
apicispina ALEXANDER, Tipula, 131
Apistomyia BIGOT, 53
APISTOMYIINI, 53
apoblepta ALEXANDER, Tipula, 93
 [apoensis (ALEXANDER), Blepharicera, 43]
apollyon ALEXANDER, Molophilus, 284
Aporosa MACQUART, 353
apparens (WALKER), Ormosia, 290
appendiculata (PIERRE), Nephrotoma, 69
appendiculatus (STAEGER), Molophilus, 274
appendifera ALEXANDER, Tipula, 128
appennina RONDANI, Orosmya, 369
appressocaudata STROBL, Tipula, 126
aptera SAVCHENKO, Tipula, 153
aquatica DE GEER, [Tipula], 170
aquila ALEXANDER, Gonomyia, 306
aquila SAVCHENKO, ssp., Limonia, 362
aquilina STARY, Limonia, 358
aquilonia (ERICHSON), Tipula, 153
 [aquita DIETZ, Dicranomyia, 335]
aquosa VERRALL, Dicranomyia, 351
aragoniensis THEOWALD, Tipula, 125
araneoides DALMAN, Chionea, 244
arborea SAVCHENKO, Austrolimnophila, 209
Archilimnophila ALEXANDER, subg., 209
arctica (ZETTERSTEDT), Euphyllidorea, 221
arctica FREY, Pedicia, 200
arctica CURTIS, Tipula, 153
arctica LUNDSTRÖM, Trichocera, 35
arctica (LACKSCHEWITZ), Tricyphona, 204
Arctoconopa ALEXANDER, 249
Arctotipula ALEXANDER, subg., 95
arcuata ALEXANDER, Thrypticomyia, 368
areolata (LUNDSTRÖM), Cheilotrichia, 267
areolata (SIEBKE), Hoplolabis, 271
arete (ALEXANDER), Idiocera, 310
argentea (MACQUART), Dicranomyia, 350
argyrea SAVCHENKO et THEISCHINGER, ssp., Tipula, 121
argyrospila (ALEXANDER), Brithura, 58
ariadne ZWICK, Apistomyia, 53
ariadne MANNHEIMS, Tipula, 102
ariel ALEXANDER, Molophilus, 275
armata MENDL, Baeoura, 250
armata SAVCHENKO, Gonempeda, 258
 [armata (OSTEN SACKEN), Hoplolabis, 270]
armata BANGERTER, Ormosia, 287
armata RIEDEL, Tipula, 124
armatissimus BANGERTER, Molophilus, 274
armatus DE MEIJERE, Molophilus, 274
armeniaca (KOMÁREK), Blepharicera, 43
armorica (ALEXANDER), Discobola, 352
arnoldii SAVCHENKO, Tipula, 103
arnoudi THEOWALD, Limnophila, 223
arrogans (ALEXANDER), Hexatoma, 238
arsianensis SAVCHENKO, ssp., Dactylolabis, 211
artemis THEISCHINGER, Tipula, 103
arundineti LINNAEUS, [Tipula], 171
arverna (BRUNHES), Chionea, 245
asiae minoris THEISCHINGER, Tipula, 103
asiatica (ALEXANDER), Austrolimnophila, 209
asiatica (BRODSKIJ), Blepharicera, 43
asiatica (SAVCHENKO), ssp., Hexatoma, 237
asiatica (ALEXANDER), Hoplolabis, 270
asiaticus BRODSKIJ, Philorus, 51
asio ALEXANDER, Tipula, 159
Asiobia BRODSKIJ, 50

- Asioreas* BRODSKIJ, 41
aspasia MANNHEIMS, ssp., Tipula, 112
aspromontensis THEOWALD, Tipula, 141
[assamensis] (TONNOIR), Philorus, 51]
astans STARÝ, Prionolabis, 232
aster THEISCHINGER, Tipula, 141
Asthenia WESTWOOD, 42
astigma (PIERRE), Nephrotoma, 70
astigma SAVCHENKO, Tipula, 103
Astrolabis OSTEN SACKEN, 192
asymmetrica (ALEXANDER), Ilisia, 273
Ataracta LOEW, 332
Atarba OSTEN SACKEN, 236
 ATARBINI, 236
Atarbodes ALEXANDER, subg., 236
ater (HUGUENIN), Ellipteroides, 298
ater (MEIGEN), Molophilus, 275
atlantica (WOLLASTON), Geranomyia, 353
atlantica MANNHEIMS, Tipula, 150
atlas PIERRE, Tipula, 142
atomaria DE GEER, [Tipula], 171
atomata MÜLLER, [Tipula], 171
atomus SCHRANK, [Tipula], 171
atra (MACQUART), Dicranomyia, 350
atra FOURCROY, [Tipula], 171
Atractocera MEIGEN, 33
atrata ALEXANDER, Rhabdomastix, 315
atrata (LINNAEUS), Tanyptera, 88
atricauda ALEXANDER, Nephrotoma, 69
atripes ALEXANDER, Hexatoma, 238
atripes ALEXANDER, Ormosia, 293
atripleura ALEXANDER, Dicranomyia, 343
atrisoma ALEXANDER, Limonia, 358
atrodeclivis ALEXANDER, ssp., Tipula, 120
atrofemorata (ALEXANDER), Prionolabis, 232
atropos SAVCHENKO, Dicranomyia, 332
atrostyli ALEXANDER, Nephrotoma, 70
atrostylus SAVCHENKO, Molophilus, 275
[atrox] ALEXANDER, Gonomyia, 306]
attenuata ALEXANDER, Nephrotoma, 77
attenuata (WALKER), Orimarga, 328
Atypophthalmus BRUNETTI, 330
augusti MÜLLER, [Tipula], 171
aurantia ALEXANDER, Cylindrotoma, 180
aurantiaca (MIK), Nephrotoma, 73
aurantiocincta ALEXANDER, Nephrotoma, 70
aurea MÜLLER, [Tipula], 171
[aureipennis] SKUSE, Thrypticomys, 368]
aureola MANNHEIMS, Tipula, 91
auribasis (ALEXANDER), Prionolabis, 233
auricosta ALEXANDER, Ormosia, 286
auriculata MANNHEIMS, Tipula, 103
aurifrons (SANTOS ABREU), Atypophthalmus, 331
aurita RIEDEL, Tipula, 103
australis SAVCHENKO, Arctoconopa, 249
austriaca (CHRISTIAN), Chionea, 245
austriaca NIELSEN, Dicranota, 189
austriaca (MANNHEIMS et THEOWALD), Nephrotoma, 70
austriaca (POKORNY), Tipula, 131
Austrolimnophila ALEXANDER, 208
Austrolimnophila ALEXANDER, subg., 209
autumna ALEXANDER, Cladura, 246
autumna SAVCHENKO, Ormosia, 286
autumna ALEXANDER, Tipula, 131
autumnalis (KAUL), Blepharicera, 43
autumnalis (STAEGER), Dicranomyia, 332
autumnalis (SAVCHENKO), Nephrotoma, 77
autumnalis LOEW, Tipula, 128
avazhon SAVCHENKO, Molophilus, 284
avazon SAVCHENKO, Molophilus, 284
aviceniana SAVCHENKO, Tipula, 161
avicularia EDWARDS, Tipula, 153
avicularoides ALEXANDER, Tipula, 153
avidus ALEXANDER, Molophilus, 275
avis (ALEXANDER), ssp., Metalimnobia, 364
avocetta ALEXANDER, Geranomyia, 353
axillaris (STROBL), Phylidorea, 228
azorica (NIELSEN), Dicranomyia, 348
babaella ALEXANDER, Taiwanomyia, 206
babai ALEXANDER, Cladura, 246
babai ALEXANDER, Dicranota, 193
babai ALEXANDER, Lipsotrix, 313
babai ALEXANDER, Tipula, 149
babana ALEXANDER, Macgregoromyia, 68
babanus ALEXANDER, Molophilus, 275
bactridica SAVCHENKO, Tipula, 103
badakhensis (ALEXANDER), Hoplolabis, 271
badakhensis ALEXANDER, Tipula, 167
Baeoura ALEXANDER, 250
baezi THEOWALD, Molophilus, 275

- baikalica (ALEXANDER), *Pedicia*, 200
 baileyana (ALEXANDER), *Dicranomyia*, 332
 baileyi EDWARDS, *Dicranomyia*, 332
 baileyi ALEXANDER, *Tipula*, 167
 balcanica STARÝ, *Scleroprocta*, 259
 balcanica VERMOOLEN, ssp., *Tipula*, 93
 baldensis MENDL, *Ormosia*, 287
 balearica MANNHEIMS, *Tipula*, 103
 baltistanica ALEXANDER, *Tipula*, 142
 [baluchistanica (ALEXANDER), *Cheilotrichia*, 267]
 bangerteri (MENDL), *Dicranomyia*, 343
 barbarensis THEOWALD et OOSTERBROEK, ssp., *Tipula*, 163
 barbicornis LINNÉ, [*Tipula*], 171
 barbigera (SAVCHENKO), *Dolichocheza*, 65
 barbigera (SAVCHENKO), *Nephrotoma*, 70
 barbipes (MEIGEN), *Eutonia*, 221
 bardus ALEXANDER, *Molophilus*, 275
 barnesiana ALEXANDER, *Tipula*, 152
 basalis ALEXANDER, *Orimarga*, 328
 basifusca ALEXANDER, *Dicranomyia*, 343
 basilobata ALEXANDER, *Gonomyia*, 302
 basilobata ALEXANDER, *Orimarga*, 328
 basiseta ALEXANDER, *Dicranomyia*, 333
 basispina (ALEXANDER), *Achyrolimonia*, 330
 basispina (SAVCHENKO), *Afrolimnophila*, 216
 basistrigata (ALEXANDER), *Libnotes*, 356
 basistylata ALEXANDER, *Dicranota*, 193
 batava (EDWARDS), *Neolimnomyia*, 226
 bavarica LACKSCHEWITZ, *Tipula*, 138
 beatifica ALEXANDER, *Ormosia*, 287
 beckeri KUNTZE, *Erioptera*, 253
 beckeri (MANNHEIMS), *Nephrotoma*, 70
 beckeri (RIEDEL), *Protanyderus*, 38
 beckeri (LACKSCHEWITZ), *Rhabdomastix*, 315
 beieri MANNHEIMS, *Tipula*, 103
 belgica (BECKER), *Chionea*, 245
 belgica BISCHOFF, *Liponeura*, 48
 bellula ALEXANDER, *Ptychoptera*, 371
 benesignata MANNHEIMS, *Tipula*, 142
 [benguetensis ALEXANDER, *Macgregoromyia*, 68]
 benoisti SÉGUY, *Limnophila*, 223
 berberina SCHRANK, [*Tipula*], 171
 bergrothi (KUNTZE), *Neolimnophila*, 248
 bergrothi (STROBL), *Ormosia*, 285
 bergrothi (STROBL), *Symplecta*, 262
 beringiana SAVCHENKO, *Symplecta*, 262
 Beringomyia SAVCHENKO, 251
 Beringotipula SAVCHENKO, subg., 97
 berteii (RONDANI), *Tipula*, 132
 berytia MANNHEIMS, *Tipula*, 103
 besselsi OSTEN SACKEN, *Tipula*, 95
 besucheti (BOURNE), *Chionea*, 245
 bezzii ALEXANDER et LEONARD, *Geranomyia*, 353
 bezzii BISCHOFF, *Liponeura*, 46
 bezzii MANNHEIMS et THEOWALD, *Tipula*, 103
 [biaciculifera ALEXANDER, *Tipula*, 167]
 biaculeata SAVCHENKO, *Erioptera*, 253
 biaculeata ALEXANDER, *Tipula*, 103
 biacus (ALEXANDER), *Adelphomyia*, 215
 biacus SAVCHENKO, *Antocha*, 323
 biannulata ALEXANDER, *Ormosia*, 287
 biappendiculata (SAVCHENKO), *Nephrotoma*, 70
 biarmigera ALEXANDER, *Nephrotoma*, 70
 Bibiocephala OSTEN SACKEN, 42
 Bibionus CURRAN, 42
 bibula (WIEDEMANN), *Limonia*, 363
 bicalcarata SAVCHENKO, *Tipula*, 153
 bicellula ALEXANDER, *Grahamomyia*, 204
 biceps (ALEXANDER), *Dicranomyia*, 351
 bichroma (PIERRE), *Nephrotoma*, 74
 bicinctiferum ALEXANDER, *Epiphragma*, 214
 bicolor (MEIGEN), *Hexatoma*, 242
 bicolor (MEIGEN), *Phylidorea*, 228
 bicompressa ALEXANDER, *Tipula*, 91
 bicornifer ALEXANDER, *Erioptera*, 253
 bicornigera SAVCHENKO, *Dicranota*, 187
 bicornigera (ALEXANDER), *Microlimonia*, 365
 bicornis (DE MEIJERE), *Ormosia*, 287
 bicornuta ALEXANDER, *Cladura*, 246
 bidens SAVCHENKO, ssp., *Adelphomyia*, 215
 bidens ALEXANDER, *Antocha*, 323
 bidens ALEXANDER, *Cladura*, 246
 bidens SAVCHENKO, *Idiocera*, 310
 bidens SAVCHENKO, *Limonia*, 358

- bidens* BERGROTH, Tipula, 126
bidenticulata ALEXANDER, Tipula, 128
bidigitata ALEXANDER, Antocha, 323
bidigitifer SAVCHENKO, Molophilus, 275
bifasciata SANTOS ABREU, Dicranomyia, 342
bifasciata (SCHRANK), Metalimnobia, 364
bifasciculata LOEW, Tipula, 103
bifascigera ALEXANDER, Nephrotoma, 76
bifascigera ALEXANDER, Trentepohlia, 318
bifascipennis BRUNETTI, Pselliophora, 86
bifastigatus MENDL, Ellipteroides, 298
bifida ALEXANDER, Antocha, 323
bifida TONNOIR, Gonomyia, 302
bifida (LACKSCHEWITZ), Ormosia, 287
bifida ALEXANDER, Tipula, 153
bifidus GOETGHEBUER, Molophilus, 275
bifilatus VERRALL, Molophilus, 277
biformis ALEXANDER, Nephrotoma, 70
bifurcata (ALEXANDER), Arctoconopa, 249
bifurcata (ZETTERSTEDT), Phylidorea, 229
bifurcata PIERRE, Tipula, 143
bifurcatus GOETGHEBUER, Rhypholophus, 293
bifurcula (ALEXANDER), Geranomyia, 353
bifusca ALEXANDER, Nephrotoma, 70
[bifusifera (EDWARDS), Dicranomyia, 332]
biguttata MATSUMURA, Ctenophora, 60
bihamata LACKSCHEWITZ, Ormosia, 287
bihamatus DE MEIJERE, Molophilus, 275
bihastata ALEXANDER, Tipula, 91
bilineata MÜLLER, [Tipula], 171
biloba ALEXANDER, Dicranota, 193
bilobata LOEW, Liponeura, 46
bilobata POKORNY, Tipula, 132
bilobatoides (KITAKAMI), Agathon, 40
bilobulus ALEXANDER, Molophilus, 284
bimacula THEOWALD, Tipula, 103
bimaculata (SCHUMMEL), Dicranota, 187
bimaculata (LINNAEUS), Dictenidia, 61
bimaculata RIEDEL, Tipula, 103
binotata (MEIGEN), Pedicia, 199
binotata (ZETTERSTEDT), Phylidorea, 229
[bionis (AGHARKAR), Asioreas, 41]
bipendula ALEXANDER, Tipula, 167
bipenicillata ALEXANDER, Tipula, 91
bipunctata LINNÉ, [Tipula], 171
bipunctulata ALEXANDER, Atarba, 236
biramosa ALEXANDER, Tipula, 91
bischoffi EDWARDS, Liponeura, 46
bischofi LACKSCHEWITZ, Molophilus, 275
[bispathifera SAVCHENKO, Tipula, 167]
bispina LOEW, Tipula, 104
bispinosa BARNES, Gonomyia, 302
bispinosa ALEXANDER, Nephrotoma, 80
bispinula (ALEXANDER), Dolichopeza, 65
bispinus (KITAKAMI), ssp., Agathon, 41
bistilata LUNDSTRÖM, Tipula, 101
bistriata (EDWARDS), Eleoophila, 219
bistyligera ALEXANDER, Tipula, 91
bithynica ZWICK, Liponeura, 46
Bittacomorphella ALEXANDER, 371
bitumidosa ALEXANDER, Tipula, 161
bivittata (LOEW), Erioptera, 257
bivittata BECKER, Geranomyia, 353
bivittata PIERRE, Tipula, 104
blastoptera ALEXANDER, Tipula, 136
Blepharicera MACQUART, 42
 BLEPHARICERIDAE, 39
 BLEPHARICERINAE, 40
 BLEPHARICERINI, 40
Blepharocera LOEW, 42
bo MANNHEIMS, Tipula, 159
bodpa EDWARDS, Tipula, 149
bohemia KRATOCHVÍL, Chionea, 245
boleti SCHRANK, [Tipula], 171
boleti SCOPOLI, [Tipula], 171
bolitophila LOEW, Ula, 185
bombyciformis SCHRANK, [Tipula], 171
Bophrosia RONDANI, 202
borealis PEUS, ssp., Cylindrotoma, 180
borealis LACKSCHEWITZ, Trichocera, 35
boreoorientalis SAVCHENKO, ssp., Limonia, 360
boreosignata TJEDER, Tipula, 142
borysthenica SAVCHENKO, Tipula, 104
bosnica RIEDEL, Tipula, 166
bosnica STROBL, Tipula, 91
Bothrophorus SAVCHENKO, subg., 211
botosaneanui (BURGHELE-BĂLĂCESCO), Chionea, 245
brachiostyla SAVCHENKO, Gonomyia, 307
brachycera ALEXANDER, Pedicia, 200

- brachyclada (ALEXANDER), Cheilotrichia, 267
- Brachylimnophila ALEXANDER, subg., 224
- brachyptera* LACKSCHEWITZ, Dicranota, 191
- brachyurus SAVCHENKO, ssp., Molophilus, 283
- bradleyi (EDWARDS), Idiocera, 310
- breviantennata LACKSCHEWITZ, Tipula, 142
- brevicellula STARÝ, Austrolimnophila, 210
- breviceps* MOTSCHULSKY, Tipulina, 369
- brevicornis* (ZETTERSTEDT), Cylindrotoma, 180
- brevicornis BERGROTH, Dicranota, 189
- brevicornis LINNAEUS, [Tipula], 171
- brevicornis* LUNDSTRÖM, Tipula, 135
- brevicula ALEXANDER, Macgregoromyia, 68
- brevifila ALEXANDER, Cladura, 246
- [brevifurca (OSTEN SACKEN), Neolimnomyia, 224]
- brevifurca SAVCHENKO, Paradelphomyia, 206
- brevifurcata (STROBL), Phylidorea, 228
- [brevifurcata ALEXANDER, Tricyphona, 202]
- brevifusca ALEXANDER, Tipula, 126
- brevihamatus BANGERTER, Molophilus, 275
- brevinervis ALEXANDER, Antocha, 323
- brevinervis* STROBL, Dactylolabis, 213
- brevinervis (LUNDSTRÖM), Ormosia, 287
- brevioricornis (ALEXANDER), Helius, 320
- brevipecten ALEXANDER, Liogma, 181
- brevipecten ALEXANDER, Tanyptera, 89
- brevipennis* CURTIS, Molophilus, 275
- brevipennis (WOLLASTON), Nephrotoma, 71
- brevirama ALEXANDER, Erioptera, 253
- breviramus (ALEXANDER), Adelphomyia, 215
- brevirostris* TAHVONEN, Chionea, 244
- brevirostris LOEW, Liponeura, 46
- brevirostris* (ZETTERSTEDT), Phalacrocera, 182
- breviscapha ALEXANDER, Tipula, 99
- brevispina SAVCHENKO, Dicranomyia, 343
- brevispina* PIERRE, Tipula, 102
- brevistyla ALEXANDER, Antocha, 323
- brevitarsis BERGROTH, Dicranota, 189
- breviterebrata* MACQUART, Tipula, 123
- brierei* ALEXANDER, Nephrotoma, 80
- brinki THEISCHINGER, Tipula, 104
- Brithura EDWARDS, 58
- brobdignagia (WESTWOOD), Holorusia, 66
- brolemanni PIERRE, Tipula, 125
- [*broweriana* (ALEXANDER), Dicranomyia, 347]
- brumalis (ALEXANDER), Cheilotrichia, 267
- brunettiana ALEXANDER, Tipula, 149
- brunneinervis* PIERRE, Tipula, 124
- brunneinota ALEXANDER, Pseudolimnophila, 235
- brunnipennis* (MACQUART), Symplecta, 265
- brunnipes FABRICIUS, [Tipula], 171
- bryophila (ALEXANDER), Dicranomyia, 351
- bubo ALEXANDER, Tipula, 91
- buchholzi MANNHEIMS et THEOWALD, Tipula, 104
- bulbifera ALEXANDER, Tipula, 92
- bulbosa MANNHEIMS, Tipula, 104
- bullata LOEW, Tipula, 104
- burdurafyonensis THEISCHINGER, ssp., Tipula, 116
- buressi KOMÁREK et VIMMER, Liponeura, 46
- burmeisteri* (LOEW), Hexatoma, 242
- butzi EDWARDS, Tipula, 148
- buxi SCHRANK, [Tipula], 171
- byssina SCHRANK, [Tipula], 171
- cabreræ* SANTOS ABREU, Geranomyia, 353
- caenosus* HARRIS, Tipula, 169
- caerulea STARÝ, Cheilotrichia, 267
- caerulea* MANNHEIMS et NIELSEN, Tipula, 135
- caesarea (OSTEN SACKEN), Discobola, 352
- caesarea (ALEXANDER), Hexatoma, 238
- caesia ALEXANDER, Dicranoptycha, 296
- caesia ALEXANDER, Dicranota, 187
- caesia SAVCHENKO, Hexatoma, 238
- caesia SCHUMMEL, Tipula, 161
- caesiella (ALEXANDER), Adelphomyia, 215
- calceata MIK, Thaumastoptera, 329
- caledonica EDWARDS, Dicranomyia, 348
- caliginosa SAVCHENKO, Tipula, 96
- [caliptera SAY, Erioptera, 257]
- calliargon (ALEXANDER), Holorusia, 66
- calmariensis* (LINNAEUS), Metalimnobia, 365

- Caloptera* GUÉRIN-MÉNEVILLE, 237
caloptera MIK, Geranomyia, 354
calviensis EDWARDS, Helius, 321
[canadensis: (OSTEN SACKEN), Elephanto-
myia, 319]
canakkalensis THEISCHINGER, Tipula, 104
canariensis BECKER, Dicranomyia, 342
canariensis BERGROTH, Geranomyia, 354
canariensis THEISCHINGER, Tipula, 104
cancriformis (ALEXANDER), Symplecta, 262
candelsequa STARY, Dicranota, 189
candida DAHL, Trichocera, 34
candidipes (ALEXANDER), Dolichopeza, 65
canescens SAVCHENKO, Hexatoma, 238
cantans FABRICIUS, [Tipula], 171
cantonensis ALEXANDER, Hexatoma, 238
[capicola (ALEXANDER), Idiognophomyia,
312]
capillata LACKSCHEWITZ, Dicranota, 190
capra THEISCHINGER, Tipula, 104
capreola MANNHEIMS, Tipula, 104
captiosa ALEXANDER, Tipula, 92
characteristica FOURCROY, [Tipula], 171
carbo ALEXANDER, Elephatomyia, 319
carbonaria SAVCHENKO, Dactylolabis, 212
carbonaria GMELIN, [Tipula], 171
carbonis (ALEXANDER), Prionolabis, 233
Cardiocrepis ENDERLEIN, 45
carens THEISCHINGER, Tipula, 104
carinifrons HOLMGREN, Tipula, 132
carolae DUFOUR, Tipula, 154
carpathica BISCHOFF, Liponeura, 48
carpatica ERHAN et THEOWALD, ssp., Tipula,
 154
carsoni (ALEXANDER), Symplecta, 262
carstensis STARY, Molophilus, 275
carteri (TONNOIR), Neolimnophila, 248
cassiope MANNHEIMS, Tipula, 104
castellana (STROBL), Nephrotoma, 72
castellani MANNHEIMS et THEOWALD,
 Tipula, 132
cata (ALEXANDER), Beringomyia, 251
catalonica (BOURNE), Chionea, 245
cataloniensis THEOWALD, Tipula, 125
catenata ALEXANDER, Nephrotoma, 71
caucasica LACKSCHEWITZ, Limonia, 358
caucasica SAVCHENKO, Ormosia, 287
caucasica RIEDEL, Tipula, 104
caucasiensis THEOWALD, Tipula, 125
caucasiomontana SAVCHENKO, Tipula, 161
caudata TAKAHASHI, Diogma, 181
caudata (SAVCHENKO), Hoplolabis, 271
caudatula LOEW, Tipula, 104
caudispina PIERRE, Tipula, 104
cava RIEDEL, Tipula, 105
[cavaleriei ALEXANDER, Pselliophora, 86]
cedrophila MANNHEIMS, Tipula, 105
celaena (ALEXANDER), Phylidorea, 228
celestia ALEXANDER, Macgregoromyia, 68
centrasiatica SAVCHENKO, ssp., Tipula, 96
centrodentata ALEXANDER, Tipula, 96
cephaliger SAVCHENKO, ssp., Molophilus,
 283
cerberus ALEXANDER, Hexatoma, 238
cerea SCHRANK, [Tipula], 171
ceres ZETTERSTEDT, Tipula, 147
cerina (ALEXANDER), Paradelphomyia, 206
Ceroctena RONDANI, 61
cerva MANNHEIMS et THEOWALD, Tipula,
 105
cervina MEIGEN, Tipula, 169
cervula SAVCHENKO, Erioptera, 253
cervula MANNHEIMS et THEOWALD, Tipula,
 105
chalaza ALEXANDER, Gonomyia, 302
chankana (ALEXANDER), Erioptera, 257
charmosyne (ALEXANDER), Libnotes, 356
charybdis THEISCHINGER, Tipula, 105
cheethami EDWARDS, Tipula, 142
Cheilotrichia ROSSI, 265
Cheilotrichia ROSSI, subg., 266
chelifera SAVCHENKO, Tipula, 105
Chemalida RONDANI, 252
chernavini ALEXANDER, Tipula, 105
chimaera SAVCHENKO, Tipula, 149
Chionea DALMAN, 243
Chionea DALMAN, subg., 244
chirothecata (SCOPOLI), Hexatoma, 239
chloris SAVCHENKO, Tipula, 105
chonsaniana ALEXANDER, ssp., Tipula, 163
chorea (MEIGEN), Dicranomyia, 333
chosenensis KITAKAMI, Philorus, 51
chosenensis (ALEXANDER), Symplecta,
 264

- chosenica* ALEXANDER, Paradelphomyia, 207
chosenicola ALEXANDER, Prionocera, 84
chosensis ALEXANDER, Nephrotoma, 71
christophi THEISCHINGER, Tipula, 105
chromicolor (PIERRE), Nephrotoma, 73
chrysanthemi FABRICIUS, [Tipula], 171
chumbiensis EDWARDS, Tipula, 128
ciconia THEISCHINGER, ssp., Tipula, 123
ciliaris (SCHUMMEL), Eriocnopa, 269
ciliata LUNDSTRÖM, Tipula, 97
ciliata MÜLLER, [Tipula], 171
cimicoides (SCOPOLI), Hexatoma, 239
cincta FABRICIUS, [Tipula], 171
cincta TURTON, [Tipula], 171
cincta ALEXANDER, Ula, 185
cinctifer (ALEXANDER), Scleroprocta, 260
cinctipes (SAY), Metalimnobia, 364
cinctus (EGGER), Ellipteroides, 298
cineracea COQUILLET, Tipula, 132
cinerascens (MEIGEN), Cheilotrichia, 267
cinerascens (MEIGEN), Dicranoptycha, 296
cinerascens LACKSCHEWITZ, Dicranota, 191
cinerascens LOEW, Liponeura, 46
cinerascens LOEW, Tipula, 105
cinerascens SAVCHENKO, Tipula, 156
cinerea RONDANI, Alophroidea, 178
cinerea (STROBL), Cheilotrichia, 266
cinerea STROBL, Tipula, 155
cinerea (FABRICIUS), Trichocera, 35
cinereicolor PIERRE, Tipula, 105
cinereifrons DE MEIJERE, Molophilus, 275
cinereipennis LUNDSTRÖM, Dicranomyia, 335
cinerella PIERRE, Tipula, 105
cinereoabdominalis SAVCHENKO, ssp., Tipula, 140
cinereocincta LUNDSTRÖM, Tipula, 132
cingulata SAVCHENKO, Dactylolabis, 212
cingulata PANZER, [Tipula], 171
cinifera SAVCHENKO, ssp., Tipula, 165
circassica LACKSCHEWITZ, Dicranomyia, 333
circe MANNHEIMS, Tipula, 106
circulans ALEXANDER, Dolichopeza, 64
circumdata SIEBKE, Tipula, 106
cirrata TANGELDER, Nephrotoma, 71
cirsii SCHRANK, [Tipula], 171
cisalpina RIEDEL, Tipula, 153
[claasseni] ALEXANDER, Tipula, 122]
Cladolipes LOEW, subg., 237
cladomera ALEXANDER, Tipula, 167
Cladura OSTEN SACKEN, 246
CLADURINI, 243
clausoni MENDEL, Molophilus, 276
clandestina MEIGEN, Tipula, 145
clara (TONNOIR), Lipsothrix, 314
claripennis MANNHEIMS, Ctenophora, 60
claripennis (VERRALL), Dicranota, 192
clathrata SAVCHENKO, Dicranomyia, 333
clausa ALEXANDER, Dasymallomyia, 295
clausa ALEXANDER, Dicranota, 192
clavaria (ALEXANDER), Prionolabis, 233
clavata (TONNOIR), Ormosia, 287
claviformis YANG et YANG, Nephrotoma, 71
[clavigera] OSTEN SACKEN, Phyllolabis, 204]
clavipes FABRICIUS, [Tipula], 171
clavistylus MENDEL, Molophilus, 276
cleopatra ALEXANDER, Hexatoma, 239
clio MANNHEIMS, Tipula, 106
clitellaria ALEXANDER, Ptychoptera, 371
clotho SAVCHENKO, Dicranomyia, 336
Cnemoncosis ENDERLEIN, subg., 59
cockerelli ALEXANDER, Pedicia, 200
cockerelliana ALEXANDER, Tipula, 92
coeiana (NIELSEN), Achyrolimonia, 330
coelebs (ZETTERSTEDT), Dicranota, 193
Coenolabis SAVCHENKO, subg., 211
coerulea STROBL, Ptychoptera, 373
coerulescens LACKSCHEWITZ, Tipula, 161
cognata (LACKSCHEWITZ), Prionolabis, 233
cognata ALEXANDER, Tanyptera, 88
[cognatella] OSTEN SACKEN, Gonomyia, 305]
collaris (MEIGEN), Ellipteroides, 299
collata (ALEXANDER), Idiognophomyia, 312
collina (EDWARDS), Neolimnomyia, 225
collini FREEMAN, Tasiocera, 294
comes ALEXANDER, Ula, 185
commixta (ALEXANDER), Dicranomyia, 333
commutata SAVCHENKO, Dicranota, 193
[complexa] OSTEN SACKEN, Teucholabis, 317]
complicata DE MEIJERE, ssp., Dicranomyia, 347

- complicata* SAVCHENKO, Dicranota, 193
complicata (BANGERTER), Hoplolabis, 271
compressiloba ALEXANDER, Tipula, 167
compta ENDERLEIN, Pselliophora, 86
concavista SAVCHENKO, Dicranota, 190
conchifera (STROBL), Dicranomyia, 333
conchifera MANNHEIMS, Tipula, 105
concinna LACKSCHEWITZ, Gonomyia, 305
confinis LACKSCHEWITZ, Dactylolabis, 212
confluens ALEXANDER, Tricyphona, 202
confluenta ALEXANDER, Antocha, 323
[confluenta (ALEXANDER), Ellipteroides, 299]
confluenta ALEXANDER, Ormosia, 285
confusa VAN DER WULP, Tipula, 142
conica (SAVCHENKO), Erioptera, 257
conica FOURCROY, [Tipula], 171
conica SCHRANK, [Tipula], 171
conifera (LACKSCHEWITZ), Phylidorea, 227
conjuncta ALEXANDER, Tipula, 96
conjunctoides ALEXANDER, ssp., Tipula, 96
connexa (LOEW), Idiocera, 310
Conosia VAN DER WULP, 217
conoviensis BARNES, Gonomyia, 302
consanguinea MACQUART, Tipula, 146
consimilis (ZETTERSTEDT), Dicranomyia, 333
consimilis MENDEL, Dicranota, 190
consobrina TJEDER, Austrolimnophila, 209
consors ALEXANDER, Dicranota, 193
constricta ALEXANDER, Antocha, 323
contaminata (LINNAEUS), Ptychoptera, 371
continuata BRUNETTI, Tipula, 128
contraria (WOLLASTON), Phylidorea, 229
contraria BERGROTH, Tricyphona, 203
contrastata ALEXANDER, Nephrotoma, 71
convallium SCOPOLI, [Tipula], 171
convexifrons HOLMGREN, Tipula, 142
copulata (BECKER), Gonomyia, 302
coquilleti ENDERLEIN, Tipula, 126
coquilletti ENDERLEIN, Tipula, 126
coquilletiana ALEXANDER, Tipula, 154
cordata VIMMER, Liponeura, 47
coreana ALEXANDER, ssp., Dicranota, 188
Coreozelia ENDERLEIN, 238
cornicina (LINNAEUS), Nephrotoma, 71
cornicula PIERRE, Tipula, 106
corniger SAVCHENKO, Helius, 321
corniger DE MEIJERE, Molophilus, 276
cornubiensis (EDWARDS), Dicranomyia, 335
cornuta SAVCHENKO, Erioptera, 253
cornuta (DE MEIJERE), Ormosia, 287
cornutoides ALEXANDER, Ormosia, 287
coronifera SAVCHENKO, Tipula, 154
corsica PIERRE, Tipula, 92
corsicana EDWARDS, Dactylolabis, 212
corsosignata THEOWALD, DUFOUR et OOSTERBROEK, Tipula, 142
cortensis GIUDICELLI, Liponeura, 48
costalis (SANTOS ABREU), Phylidorea, 229
cothurnata (MACQUART), Cheilotrichia, 266
couckeii TONNOIR, Tipula, 161
coxitalis (ALEXANDER), Dicranomyia, 334
crassicauda TJEDER, Dicranota, 187
crassicauda AGRELL, Ula, 185
crassicornis ZETTERSTEDT, Tipula, 132
crassipes BOHEMAN, Chionea, 244
crassipes (CURTIS), Molophilus, 280
crassipes STROBL, Rhypholophus, 293
crassipygus DE MEIJERE, Molophilus, 276
crassispina SAVCHENKO, Tipula, 96
crassiventris RIEDEL, Tipula, 133
crassulus ALEXANDER, Molophilus, 276
crawfordi ALEXANDER, Tipula, 133
crenatus ALEXANDER, ssp., Heterangaeus, 196
cressa MANNHEIMS, Tipula, 106
cressida (ALEXANDER), Holorusia, 66
cretensis OOSTERBROEK, Nephrotoma, 71
cretensis VERMOOLEN, Tipula, 92
cretica MENDEL, Dicranomyia, 343
cretica ZWICK, Liponeura, 48
cretis MANNHEIMS, Tipula, 106
crimensis SAVCHENKO, Molophilus, 276
crinicauda (RIEDEL), Nephrotoma, 74
crinitus (ALEXANDER), Atypophthalmus, 331
cristata SAVCHENKO, Erioptera, 254
croatia (EGGER), Dicranomyia, 344
croatia STARY, Ormosia, 287
crocata (LINNAEUS), Nephrotoma, 72
croceiventris (STROBL), Nephrotoma, 72
crocotula (SÉGUY), Euphylidorea, 220
crocina DUFOUR, Tipula, 154

- crossospila* (ALEXANDER), Paradelphomyia, 208
cruciata EDWARDS, Tipula, 133
crucifixus SLABBER, [Tipula], 172
cruciformis ALEXANDER, Orimarga, 328
Crunobia KOLENATI, subg., 199
Crypteria BERGROTH, 247
Crypteriella SOOT-RYEN, 248
crystallina DE GEER, [Tipula], 172
Ctenophora MEIGEN, 59
Ctenophora MEIGEN, subg., 60
ctenophora LOEW, Rhipidia, 367
ctenopyga (ALEXANDER), Dicranomyia, 346
ctenura SAVCHENKO, Gnophomyia, 300
ctenura SAVCHENKO, Tipula, 106
cubitalis ALEXANDER, Pedicia, 200
culiciformis DE GEER, [Tipula], 172
culiciformis LINNÉ, [Tipula], 172
cumulata ALEXANDER, Tipula, 128
cunctans TJEDER, Rhabdomastix, 315
[cuneiformis] DE MEIJERE, Dicranomyia, 343
cupida ALEXANDER, Tipula, 144
cuprinervis ROSSI, [Tipula], 172
curticurva (ALEXANDER), Idiocera, 310
curtivena ALEXANDER, Dicranomyia, 343
curvata SAVCHENKO, ssp., Ormosia, 290
curvata THEISCHINGER, Tipula, 106
curvatus TONNOIR, Molophilus, 276
curvicauda ALEXANDER, Tipula, 98
curvispina ALEXANDER, Ormosia, 287
curvispina SAVCHENKO, Tipula, 106
curvistyla SAVCHENKO, Gonomyia, 307
cuspidata SAVCHENKO, Ormosia, 287
cybele (ALEXANDER), Hexatoma, 239
cygnus ALEXANDER, Molophilus, 276
cylindrostylata ALEXANDER, Tipula, 128
Cylindrotoma MACQUART, 180
 CYLINDROTOMIDAE, 179
 CYLINDROTOMINAE, 180
cypria ZWICK, Liponeura, 48
cypriensis VERMOOLEN, Tipula, 92
cypris MANNHEIMS, Tipula, 106
cymosardensis THEOWALD, DUFOUR et OOSTERBROEK, Tipula, 142
czernyi (STROBL), Eloephila, 218
czizeki (BANGERTER), Hoplolabis, 273
czizeki LACKSCHEWITZ, Molophilus, 276
czizeki DE JONG, Tipula, 152
czizekiana STARY, Paradelphomyia, 207
Dactylolabis OSTEN SACKEN, 210
Dactylolabis, OSTEN SACKEN, subg., 211
dahlae MENDEL, Trichocera, 35
daimio ALEXANDER, Cladura, 246
daimio ALEXANDER, Molophilus, 276
daimio (MATSUMURA), Pedicia, 200
daimio ALEXANDER, Ptychoptera, 371
Daimiotipula MATSUMURA, 197
daisenica ALEXANDER, ssp., Erioptera, 253
daisensis ALEXANDER, Nephrotoma, 72
daitenjoensis ALEXANDER, Tipula, 133
dalei (EDWARDS), Eloephila, 220
dalei (EDWARDS), Paradelphomyia, 207
dalmanni LOEW, Chionea, 244
dama ALEXANDER, Erioptera, 253
danica KUNTZE, Dicranomyia, 346
danica (NIELSEN), Scleroprocta, 260
danieli SIMOVA-TOŠIĆ, Tipula, 106
Dasymallomyia BRUNETTI, 295
Dasymolophilus GOETGHEBUER, subg., 294
Dasyptera SCHINER, 293
davidi (ALEXANDER), Hexatoma, 239
debilispinus ALEXANDER, ssp., Molophilus, 282
decampsi GIUDICELLI et LAVANDIER, Liponeura, 48
decemmaculata (LOEW), Achyrolimonia, 330
decemnotata ALEXANDER, Cladura, 246
deceptiva MANNHEIMS, Liponeura, 50
deceptiva VAILLANT, Liponeura, 48
deceptrix ZWICK, Liponeura, 48
decipiens BEZZI, Liponeura, 48
decipiens CZIŽEK, Tipula, 91
decolor (ZETTERSTEDT), Pilaria, 231
decolor MANNHEIMS, Tipula, 106
decoloratum LACKSCHEWITZ, Epiphragma, 214
decoloratus SAVCHENKO, ssp., Molophilus, 283
decora (STAEGER), Dicranomyia, 341
decora (HALIDAY), Eloephila, 218
decorata ALEXANDER, Ormosia, 287
decorilarva (BRODSKIJ), Agathon, 40
decrepita ALEXANDER, Nephrotoma, 82

- dedecor* LOEW, *Tipula*, 106
defessa ALEXANDER, *Ormosia*, 288
degener SCOPOLI, [*Tipula*], 172
degradans SAVCHENKO, *Dactylolabis*, 212
degradans SAVCHENKO, *Rhipidia*, 367
delicatula (LACKSCHEWITZ), *Achyrolimonia*, 330
[*demarcata* (BRUNETTI), *Tipula*, 131]
demissa (HALIDAY), *Dicranota*, 187
Dendrolimnophila ALEXANDER, subg., 222
Dendrotipula SAVCHENKO, subg., 98
dentata DE MEIJERE, *Gonomyia*, 302
dentata (MEIGEN), *Nephrotoma*, 79
dentatus BANGERTER, *Molophilus*, 276
denticulata (BERGROTH), *Dactylolabis*, 212
dentifer AGRELL, *Molophilus*, 276
dentifera ALEXANDER, *Antocha*, 323
denudata (ZETTERSTEDT), *Phylidorea*, 230
depauperata ALEXANDER, *Dicranomyia*, 334
depilata EDWARDS, *Ormosia*, 288
deprava (ALEXANDER), *Beringomyia*, 251
depressa ALEXANDER, *Tipula*, 167
depressa GMELIN, [*Tipula*], 172
depressiloba ALEXANDER, *Pedicia*, 197
depressiloba OOSTERBROEK et THEOWALD, *Tipula*, 167
derbecki ALEXANDER, *Tipula*, 133
dershavini ALEXANDER, *Tipula*, 101
deserrata ALEXANDER, *Tipula*, 154
deserticola SAVCHENKO, *Tipula*, 106
desidiosa ALEXANDER, *Tipula*, 92
Deuterophlebia EDWARDS, 55
DEUTEROPHLEBIIDAE, 54
[*deviata* DIETZ, *Ormosia*, 286]
devorator SLABBER, [*Tipula*], 172
devota ALEXANDER, *Ormosia*, 288
diabarica SAVCHENKO, *Gonomyia*, 305
diacantha ALEXANDER, *Dicranoptycha*, 296
diana (MEIGEN), *Prionocera*, 86
diaphanoides (ALEXANDER), *Tricyphona*, 202
Diazoma WALLENGREN, 32
Diazosma BERGROTH, 32
dicax ALEXANDER, *Ormosia*, 288
Dicera LIOY, 61
dichroa SAVCHENKO, *Dicranomyia*, 334
dichroa (ALEXANDER), *Hoplolabis*, 271
dichroa GMELIN, [*Tipula*], 172
[dichroica (ALEXANDER), *Afrolimnophila*, 216]
dichroistigma ALEXANDER, *Tipula*, 98
dicladura ALEXANDER, *Tipula*, 92
Dicranomyia STEPHENS, 331
Dicranomyia STEPHENS, subg., 332
Dicranophragma OSTEN SACKEN, subg., 223
Dicranoptycha OSTEN SACKEN, 296
Dicranoptycha OSTEN SACKEN, subg., 296
Dicranota ZETTERSTEDT, 186
Dicranota ZETTERSTEDT, subg., 187
Dicranotella ALEXANDER, 188
dicranotoides (ALEXANDER), *Dicranota*, 188
Dictenidia BRULLÉ, 61
dictenidia ALEXANDER, *Erioptera*, 255
didyma (MEIGEN), *Dicranomyia*, 334
didyma YANG et YANG, *Nephrotoma*, 72
didymotes THEISCHINGER, *Tipula*, 106
dietziana ALEXANDER, *Elephantomyia*, 319
dietziana (ALEXANDER), *Eloeophila*, 218
diferox ALEXANDER, *Molophilus*, 276
differta ALEXANDER, *Tipula*, 149
difficilis TANGELDER, *Nephrotoma*, 72
digesta ALEXANDER, *Tipula*, 167
[digitata YANG et YANG, *Tanyptera*, 88]
dignitosa (ALEXANDER), *Dicranomyia*, 343
dilatata ALEXANDER, *Antocha*, 323
dilatata (LOEW), *Dactylolabis*, 212
dilatata MÜLLER, [*Tipula*], 172
dilatata SCHÜMMEL, *Tipula*, 111
dilatatoides SAVCHENKO, *Dactylolabis*, 212
diluta (ZETTERSTEDT), *Cheilotrichia*, 267
diluta ALEXANDER, *Dactylolabis*, 212
diluta LACKSCHEWITZ, *Dactylolabis*, 213
diluta MÜLLER, [*Tipula*], 172
dilutior ALEXANDER, *Dactylolabis*, 213
dilutior (EDWARDS), *Limonia*, 358
dilutissima ALEXANDER, *Limonia*, 358
dimidiata SANTOS ABREU, *Geranomyia*, 353
dimidiata (DE MEIJERE), *Neolimnomyia*, 225
dimidiata (LOEW), *Prionocera*, 84
[dimorphops (ALEXANDER), *Blepharicera*, 43]
dinarzadæ THEOWALD, *Tipula*, 128
Diogma EDWARDS, 181
Dioptopsis ENDERLEIN, 45

- diaphragma (ALEXANDER), Libnotes, 356
 diploneura ALEXANDER, Hexatoma, 239
 directa (KUNTZE), Baeoura, 251
 directidens STARÝ, Molophilus, 277
 dis (ALEXANDER), Prionolabis, 233
 discalis ALEXANDER, Franckomyia, 248
 discicollis (MEIGEN), Palaria, 231
 Discobola OSTEN SACKEN, 352
 discolor GMELIN, [Tipula], 172
 discophora ZWICK, Liponeura, 48
 discors KUNTZE, Dicranomyia, 340
 disjuncta (WALKER), Dicranomyia, 340
 dispar (MEIGEN), Euphyllidorea, 220
 dispar SAVCHENKO, Pedicia, 199
 dispar HALIDAY, Tipula, 146
 dissimilis SAVCHENKO, ssp., Tipula, 158
 dissita ALEXANDER, Paradelphomyia, 207
 dissociata ALEXANDER, Tipula, 129
 distalis ALEXANDER, Orimarga, 328
 distans EDWARDS, Nephrotoma, 72
 distendens LUNDSTRÖM, Dicranomyia, 334
 distifurca ALEXANDER, Tipula, 154
 distincta (EGGER), Ormosia, 290
 distinctissima (MEIGEN), Cylindrotoma, 180
 distinguenda STARÝ, ssp., Erioptera, 255
 diuturna (WALKER), Eriocnopa, 269
 divagor HARRIS, Tipula, 123
 divaricata (ALEXANDER), Libnotes, 356
 divaricata HOLMGREN, Tipula, 142
 divergens BANGERTER, Gonomyia, 307
 diversipes ALEXANDER, Ormosia, 292
 divisa (WALKER), Erioptera, 253
 divisotergata ALEXANDER, Tipula, 154
 djordjevici (KOMÁREK), Dioptopsis, 45
 docilis ALEXANDER, Tipula, 144
 Dohrnia BIGOT, 369
 Dolichocheza CURTIS, 63
 Dolichocheza CURTIS, subg., 63
 dolomitensis THEOWALD, Tipula, 133
 dolores MANNHEIMS, Tipula, 107
 dolosa ALEXANDER, Tipula, 107
 domestica (SANTOS ABREU), Dicranomyia, 342
 doriae PIERRE, Tipula, 92
 dorica MANNHEIMS, Tipula, 107
 dorsalis (FABRICIUS), Nephrotoma, 72
 dorsalis ALEXANDER, Palaria, 231
 dracula THEISCHINGER, Tipula, 107
 drakanae ALEXANDER, Nephrotoma, 73
 dualis SAVCHENKO, Metalimnobia, 364
 [dubeyi KAUL, Philorus, 51]
 dubius EDWARDS, Helius, 321
 ducalis ALEXANDER, Ormosia, 285
 duchazaudi ALEXANDER, Nephrotoma, 79
 dufouri OOSTERBROEK et VUKOVIĆ, ssp.,
 Tipula, 109
 dulkeiti SAVCHENKO, Tipula, 156
 dumetorum (MEIGEN), Neolimonia, 366
 dumetorum SAVCHENKO, Tipula, 107
 duplicata: authors, Rhipidia, 367
 duplicata FOURCROY, [Tipula], 172
 duplicatus ALEXANDER, Molophilus, 277

 eatoni (EDWARDS), Eloephila, 219
 ebenina STARÝ, Baeoura, 251
 ebneri MANNHEIMS, Tipula, 159
 ebullata STARÝ, Pseudolimnophila, 235
 ecalcarata (EDWARDS), Paradelphomyia, 207
 ecaudata ALEXANDER, Tipula, 129
 eclipsis RAZOUMOWSKY, [Tipula], 172
 echigoensis ALEXANDER, Ormosia, 288
 ecucullata EDWARDS, Lipsothrix, 313
 edashigeana ALEXANDER, Dicranoptycha,
 296
 edentata ALEXANDER, Tipula, 160
 edura ALEXANDER, Limonia, 358
 edwardsi LACKSCHEWITZ, Elephantomyia,
 319
 edwardsi LACKSCHEWITZ, Gonomyia, 307
 edwardsi BISCHOFF, Liponeura, 48
 edwardsi TJEDER, Rhabdomastix, 315
 edwardsiana MANNHEIMS, Liponeura, 48
 eepi OOSTERBROEK, ssp., Nephrotoma, 78
 efferox ALEXANDER, Molophilus, 277
 efflatouni PIERRE, Trentepohlia, 318
 egena (BERGROTH), Ormosia, 288
 egressa (ALEXANDER), Microlimonia, 366
 [eiseni (ALEXANDER), Neolimonia, 366]
 Elaeophila: authors, 217
 elapsa (BERGROTH), Prionolabis, 233
 elburzensis ALEXANDER, Gonomyia, 305
 elburzensis (ALEXANDER), Tricyphona, 202
 electripennis ALEXANDER, Nephrotoma, 73
 Electrolabis ALEXANDER, 313

- elegans* BIGOT, Apistomyia, 53
elegans MEIGEN, Ctenophora, 60
elegans (ZETTERSTEDT), Metalimnobia, 365
 [elegantula (BRUNETTI), Dicranota, 186]
elegantula (ALEXANDER), Erioconopa, 269
elegantula SAVCHENKO, ssp., Pedicia, 200
 [elegantulus VON RÖDER, Agathon, 40]
eleonorae THEISCHINGER, Tipula, 143
Elephantomyia OSTEN SACKEN, 319
Elephantomyia OSTEN SACKEN, subg., 319
 ELEPHANTOMYIINI, 319
Elephantomyodes ALEXANDER, subg., 320
Elliptera BERGROTH, 327
Elliptera SCHINER, 327
Ellipteroides BECKER, 298
Ellipteroides BECKER, subg., 298
Eloeophila RONDANI, 217
elongata LOEW, Symplecta, 264
elsneri STARÝ, Gnophomyia, 301
emarginata ALEXANDER, Antocha, 324
emarginata (ALEXANDER), Dicranota, 192
emarginata SAVCHENKO, Dicranota, 190
emiliae SAVCHENKO, Tipula, 149
emmaehelene THEISCHINGER, Tipula, 107
 [emodocola ALEXANDER, Rhabdomastix, 315]
Emodotipula ALEXANDER, subg., 98
Empeda OSTEN SACKEN, subg., 266
enervata ALEXANDER, Trentepohlia, 318
engeli THEOWALD, Tipula, 107
ensicornis LINNÉ, [Tipula], 172
ensifformis GMELIN, [Tipula], 172
eoasiaticus (BRODSKIJ), Agathon, 40
eos STARÝ et SAVCHENKO, Limonia, 358
Ephelia SCHINER, 217
Epiphragma OSTEN SACKEN, 214
 EPIPHRAGMINI, 208
episema ALEXANDER, Limonia, 358
erato MANNHEIMS, Tipula, 107
erebus ALEXANDER, Nephrotoma, 73
erecta (ALEXANDER), Austrolimnophila, 210
erectiloba ALEXANDER, Tipula, 154
erectispina SAVCHENKO, Tipula, 107
Eriocera MACQUART, subg., 237
Erioconopa STARÝ, 269
Erioptera MEIGEN, 252
Erioptera MEIGEN, sung., 252
 ERIOPTERINAE, 243
 ERIOPTERINI, 249
eriopteris (FABRICIUS), Molophilus, 275
ermolenkoi SAVCHENKO, Molophilus, 277
Erostrata SAVCHENKO, subg., 342
 [erostrata (ALEXANDER), Dicranomyia, 340]
errans (WALKER), Lipsothrix, 313
errans THEOWALD, ssp., Tipula, 150
erythrocephala DE GEER, [Tipula], 172
esakiana ALEXANDER, Tipula, 129
esakii TOKUNAGA, Bittacomorphella, 371
esakii (ALEXANDER), Blepharicera, 43
esakii ALEXANDER, Heterangaeus, 195
esakii (TAKAHASHI), Holorusia, 66
esakii (ALEXANDER), Limonia, 358
esakii ALEXANDER, Nephrotoma, 73
esakii ALEXANDER, Protanyderus, 38
esakii (ALEXANDER), Teucholabis, 317
Esakiomyia ALEXANDER, 205
esbeni (NIELSEN), Dicranomyia, 346
escorialensis (STROBL), Nephrotoma, 74
estella (ALEXANDER), Hoplolabis, 271
euchroma (MIK), Nephrotoma, 73
Eudicranota ALEXANDER, subg., 188
eugeni THEOWALD, Tipula, 143
Eugenia SAVCHENKO, 202
eugeniae (SAVCHENKO), Nephrotoma, 73
eugeniana SIMOVA-TOŠIĆ, Tipula, 107
Euglochina ALEXANDER, subg., 343
Euliponeura TONNOIR, 51
Euparatropesa ALEXANDER, subg., 317
euphileta (ALEXANDER), Dicranomyia, 351
Euphyllidorea ALEXANDER, 220
Euptilostena ALEXANDER, subg., 309
Eurhipidia ALEXANDER, subg., 367
euryfrons BISCHOFF, Liponeura, 48
eurykleia THEISCHINGER, ssp., Tipula, 117
 [eutaeniota (BIGOT), Austrolimnophila, 208]
euterpe THEISCHINGER, Tipula, 107
Eutonia VAN DER WULP, 221
evanescens ALEXANDER, Epiphragma, 214
evittata ALEXANDER, Nephrotoma, 73
exastigma OOSTERBROEK, Nephrotoma, 73
excelsa SAVCHENKO, Tipula, 96
excetra ALEXANDER, Tipula, 133
excilis DAHL, Trichocera, 35
excisa (WALKER), Dicranomyia, 338

- excisa* SCHUMMEL, Tipula, 154
excisoides ALEXANDER, ssp., Tipula, 157
exclusa (WALKER), Dicranota, 193
exigua LACKSCHEWITZ, Cheilotrichia, 266
exigua SAVCHENKO, Tasiocera, 294
expansimacula (ALEXANDER), Rhipidia, 367
exquisita ALEXANDER, Tipula, 149
extensa (ALEXANDER), Prionolabis, 233
extremiborealis SAVCHENKO, Neolimnomyia, 225
exusta ALEXANDER, Tipula, 99
eyndhoveni THEOWALD, Tipula, 107
ezoensis (KITAKAMI), ssp., Agathon, 40
ezoensis KITAKAMI, Philorus, 51
- fabiola* MANNHEIMS, Tipula, 107
facinus ALEXANDER, Molophilus, 277
factiosa ALEXANDER, Tipula, 154
falcata RIEDEL, Tipula, 107
falciger GOETGHEBUER, Molophilus, 280
famula ALEXANDER, Tipula, 133
[fanjingshana YANG et YANG, Tipula, 126]
farsidica (SAVCHENKO), ssp., Nephrotoma, 79
fasciata (WESTWOOD), Blepharicera, 43
fasciata COQUILLET, ssp., Dictenidia, 62
[fasciata GUÉRIN-MÉNEVILLE, Hexatoma, 237]
fasciata (LINNÉ), Idioptera, 222
fasciata (SCOPOLI), Ptychoptera, 373
fasciata FOURCROY, [Tipula], 172
fascicula MANNHEIMS, Tipula, 107
fasciculata FABRICIUS, [Tipula], 172
fasciculata RIEDEL, Tipula, 108
fascingulata MANNHEIMS, Tipula, 107
[fasciapenne (SAY), Epiphragma, 214]
[fascipennis (THOMSON), Gymnastes, 308]
fascipennis (ZETTERSTEDT), Nephrotoma, 79
fascipennis (ZETTERSTEDT), Ormosia, 288
fascipennis MEIGEN, Tipula, 108
fastuosa LOEW, Ctenophora, 59
febrilis LINNAEUS, [Tipula], 172
fedtshenkoi (DODONOV), Nephrotoma, 80
femorata THUNBERG, [Tipula], 172
femurrubra ALEXANDER, Ctenophora, 61
fendleri MANNHEIMS, Tipula, 161
fenestralis MÜLLER, [Tipula], 172
fenestralis SCOPOLI, [Tipula], 172
fenestrata CEDERHIELM, [Tipula], 172
fenestrata SCHUMMEL, Tipula, 161
fenestrella (ALEXANDER), Afrolimnophila, 217
fenestrella THEOWALD, Tipula, 161
fernandezi THEOWALD, Tipula, 154
ferox ALEXANDER, Molophilus, 277
ferruginata LINNÉ, [Tipula], 172
ferruginea SAVCHENKO, Dicranota, 194
ferruginea (MEIGEN), Phylidorea, 229
ferruginea LACKSCHEWITZ, Tipula, 165
ferruginea SCOPOLI, Tipula, 169
festiva MEIGEN, Ctenophora, 59
fidelis ALEXANDER, Tipula, 106
filata (WALKER), Neolimnomyia, 226
filicina (SANTOS ABREU), Idiocera, 311
filicornis (ALEXANDER), Taiwanomyia, 206
filifera (LACKSCHEWITZ), Ormosia, 288
filifera RIEDEL, Tipula, 157
fimbriata ALEXANDER, ssp., Cladura, 247
fimbriata (MEIGEN), Symplecta, 265
fimbriata MEIGEN, Tipula, 151
fimbriatula ALEXANDER, Pedicia, 198
finitima (WALKER), Dicranota, 187
finitima ALEXANDER, Tipula, 108
fixa ALEXANDER, Ormosia, 288
flabellicornis FABRICIUS, [Tipula], 172
Flabellifera MEIGEN, 59
flabellifera SAVCHENKO, Tipula, 108
flaccida ALEXANDER, Tipula, 108
flagellatus STARÝ, Molophilus, 277
flammatra STARÝ, Dicranota, 190
flammeola ALEXANDER, Nephrotoma, 73
flava (SCHUMMEL), Gonempeda, 259
flava (BRUNETTI), Holorusia, 66
[flava ALEXANDER, Rhabdomastix, 315]
flavata (WESTHOFF), Erioptera, 253
flavella (ALEXANDER), Adelphomyia, 216
flavella (ALEXANDER), Antocha, 326
[flaveola (OSTEN SACKEN), Dicranota, 192]
flaveolata (FABRICIUS), Ctenophora, 60
flavescens: MEIGEN, Erioptera, 253
flavescens (MACQUART), Limonia, 363
flavescens (LINNAEUS), Nephrotoma, 73
flavibasis (ALEXANDER), Dicranota, 194
flavibasis EDWARDS, Pselliophora, 86

- flavicans* MÜLLER, [Tipula], 172
flavicaudis DE GEER, [Tipula], 172
flavicollis BECKER, Dicranomyia, 333
flavicornis (MEIGEN), Tanyptera, 88
flavida SAVCHENKO, Ormosia, 288
flavidibasis ALEXANDER, Antocha, 324
flavidipennis ALEXANDER, Dactylolabis, 212
flavipalpis (MEIGEN), Nephrotoma, 73
flavipennis STAEGER, Erioptera, 256
flavipes (FABRICIUS), Limonia, 358
flavirostris (STROBL), Nephrotoma, 74
flavirostris STAEGER, Tipula, 135
flavissima STARY, Erioptera, 253
flavitibia (ALEXANDER), Gymnastes, 308
flavoabdominalis (ALEXANDER), ssp., *Meta-limnobia*, 364
flavocostalis ALEXANDER, Gonomyia, 306
flavocostalis ALEXANDER, Tipula, 133
flavofasciata (DE GEER), Nephrotoma, 72
 [flavoferruginea OSTEN SACKEN, Cladura, 246]
flavohumeralis ALEXANDER, Erioptera, 253
flavolimbatus (DALE), Ellipteroides, 298
flavolineata MEIGEN, Tipula, 98
flavolutescens PIERRE, Tipula, 151
flavomaculata (DE GEER), Nephrotoma, 71
flavonota (ALEXANDER), Nephrotoma, 74
flavoposticata ALEXANDER, Tanyptera, 90
flavoscutellatus LACKSCHEWITZ, Molophilus, 282
flavus (WALKER), Helius, 321
flavus GOETGHEBUER, Molophilus, 277
flexilis LINNÉ, [Tipula], 173
florilega LINNAEUS, [Tipula], 173
fluviatilis (VAILLANT), Hoplolabis, 271
fluviatilis BANGERTER, Molophilus, 277
fontana OOSTERBROEK, Nephrotoma, 74
forcipata (LUNDSTRÖM), Arctoconopa, 249
forcipata (PIERRE), Nephrotoma, 74
forcipata FABRICIUS, [Tipula], 173
forcipata MANNHEIMS et THEOWALD, Tipula, 108
forcipula DE MEIJERE, Dicranomyia, 340
forcipula (SAVCHENKO), Hoplolabis, 271
forcipula MANNHEIMS, Tipula, 108
forcipula NIELSEN, Trichocera, 34
formosa ALEXANDER, Limnophila, 223
formosana EDWARDS, Styrgomyia, 260
Formotipula MATSUMURA, subg., 99
forsslundi (TJEDER), Eriocnopa, 269
forticauda ALEXANDER, Tipula, 92
fortidens ALEXANDER, Antocha, 324
 [fortis BRUNETTI, Dicranomyia, 351]
fortistyla ALEXANDER, Tipula, 98
fossarum (LOEW), Erioptera, 257
fracticosta (ALEXANDER), Brithura, 58
 [fractistigma ALEXANDER, Brithura, 58]
 [fragilicornis (RIEDEL), Taiwanomyia, 205]
fragilicornis RIEDEL, Tipula, 155
 [fragillima (WESTWOOD), Trentepohlia, 318]
fragmentata ALEXANDER, Ormosia, 288
francki (ALEXANDER), Dicranomyia, 334
francki ALEXANDER, Dolichopeza, 64
franckianus ALEXANDER, Helius, 321
Franckomyia ALEXANDER, 248
franzi CASPERS, Molophilus, 277
franzi MANNHEIMS, Tipula, 155
franziana NIELSEN, Dicranota, 189
franzressli THEISCHINGER, Tipula, 108
frauenfeldi EGGER, Dactylolabis, 213
freidbergi THEOWALD et OOSTERBROEK, Tipula, 108
freyana (NIELSEN), Discobola, 352
freyana LACKSCHEWITZ, Tipula, 161
friedrichi ALEXANDER, Tipula, 99
friesei (MANNHEIMS), Ellipteroides, 298
frommeri ALEXANDER, Orimarga, 328
frontalis (STAEGER), Dicranomyia, 334
fugitiva ALEXANDER, Ormosia, 289
fulgida CEDERHJELM, [Tipula], 173
fuliginosa (GIMMERTHAL), Nigrotipula, 83
fulminis ALEXANDER, Tipula, 108
fulvescens LACKSCHEWITZ, Antocha, 326
fulvescens (MEIGEN), Phylidorea, 229
fulvibasis (ALEXANDER), Hexatoma, 239
fulvicolor PIERRE, Tipula, 124
fulvida (BIGOT), ssp., Dictenidia, 62
fulvipennis DE GEER, Tipula, 92
fulvipes (EDWARDS), Holorusia, 66
fulvipes DE GEER, [Tipula], 173
fulvocostalis (COQUILLET), Phylidorea, 228
fulvogrisea (PIERRE), Tipula, 125
fulvonervosa (SCHUMMEL), Phylidorea, 228

- [fulvovittata (SAVCHENKO), ssp., Nephrotoma, 75]
 fulvus (EDWARDS), Leptotarsus, 68
 fumibasis ALEXANDER, ssp., Tanyptera, 90
 fumicosta SAVCHENKO, ssp., Dictenidia, 62
 fumicostata ALEXANDER, Dicranota, 187
 fumida ALEXANDER, Tipula, 162
 fumidipennis (ALEXANDER), Hexatoma, 239
 fumihalterata (ALEXANDER), Discobola, 352
 fumiplena (WALKER), Pselliophora, 86
 funesta ALEXANDER, Gonomyia, 307
 fungicola NOBUCHI, Ula, 185
 fungorum DE GEER, [Tipula], 173
 fur STRÖM, [Tipula], 173
 furcata SAVCHENKO, Ormosia, 289
 furcata (KUNTZE), Paradelphomyia, 207
 Furcomyia MEIGEN, 332
 furcula MANNHEIMS, Tipula, 108
 furiosa ALEXANDER, Tipula, 108
 furiosus ALEXANDER, Molophilus, 277
 furva BERGROTH, Dicranota, 191
 fusca (MEIGEN), Dicranomyia, 350
 [fusca DE MEIJERE, Erioptera, 258]
 fusca BLOCH, [Tipula], 173
 fusca STAEGER, Tipula, 152
 fuscata FABRICIUS, [Tipula], 173
 fuscata PANZER, [Tipula], 173
 fuscata MEIGEN, Trichocera, 36
 fuscescens (SCHUMMEL), Dicranoptycha, 296
 fuscescens (RIEDEL), Nephrotoma, 74
 fuscescens (LACKSCHEWITZ), Tasiocera, 294
 fuscicauda ALEXANDER, ssp., Tipula, 129
 fusciceps ALEXANDER, Limonia, 359
 fuscicosta SAVCHENKO, Dictenidia, 62
 fuscicosta MANNHEIMS, Tipula, 108
 fuscinervis PIERRE, Tipula, 124
 fuscipennis LACKSCHEWITZ, Dicranota, 190
 fuscipennis MEIGEN, Erioptera, 253
 fuscipennis (CURTIS), Hexatoma, 242
 fuscipennis ALEXANDER, Liogma, 181
 fuscipennis (ZETTERSTEDT), Ormosia, 288
 fuscipennis (MEIGEN), Pilaria, 231
 fuscipennis CURTIS, Tipula, 169
 fuscipes BERGROTH, Dolichopeza, 63
 fuscipes (GMELIN), Ptychoptera, 371
 fuscivena ALEXANDER, Cladura, 246
 fuscocincta (ALEXANDER), Cheilotrichia, 267
 fuscocubitalis ALEXANDER, Neolimnophila, 248
 fuscofemorata VON ROSER, Limnobia, 369
 fuscohalterata (STROBL), Cheilotrichia, 267
 fuscohalterata ALEXANDER, ssp., Erioptera, 255
 fuscolineata (ALEXANDER), ssp., Antocha, 326
 fusconitens SANTOS ABREU, Geranomyia, 353
 [fuscopyga ALEXANDER, Ormosia, 286]
 [fuscovaria OSTEN SACKEN, Limnophila, 223]
 fuscula (LOEW), Paradelphomyia, 207
 fusculeta EDWARDS, Erioptera, 254
 futilis ALEXANDER, Tipula, 133
 [gaboonensis ALEXANDER, Tipula, 91]
 gaedii (MEIGEN), Hexatoma, 242
 Gagamba MATSUMURA, 221
 gaganboi TANGELDER, Nephrotoma, 74
 galactoptera ALEXANDER, Dicranota, 187
 galeata ALEXANDER, Pselliophora, 86
 galiciensis THEOWALD, Tipula, 125
 gallaeca EIROA-ALVAREZ, Tipula, 108
 garrula (ALEXANDER), Rhipidia, 367
 garruloides (ALEXANDER), Rhipidia, 367
 gaudens (ALEXANDER), Pedicia, 200
 gauthieri (VAILLANT), Liponeura, 49
 gavronskii ALEXANDER, Tipula, 96
 geisha ALEXANDER, Tipula, 133
 geja SAVCHENKO, Tipula, 108
 gelaiana GIUDICELLI et LAVANDIER, Liponeura, 49
 gelensis LOI, Tipula, 108
 gemina TJEDER, Erioptera, 253
 geminata (ALEXANDER), Hexatoma, 239
 geminata ALEXANDER, Nephrotoma, 74
 gemma ALEXANDER, Tipula, 92
 geniculata (ALEXANDER), Dolichopeza, 64
 geniculata YANG et YANG, Nephrotoma, 74
 geniculata (MEIGEN), Pedicia, 200
 geniculata FABRICIUS, [Tipula], 173
 gentilis (LOEW), Limnophila, 223
 Geotipula SAVCHENKO, 131

- Geranomyia* HALIDAY, 353
 [germana OSTEN SACKEN, *Dicranoptycha*, 296]
ghilarovi SAVCHENKO, *Phyllolabis*, 205
gibba FABRICIUS, [Tipula], 173
gibbera (ALEXANDER), *Dicranota*, 194
gibbifer SAVCHENKO, *Helius*, 321
gibbifera STROBL, *Tipula*, 109
gifuensis ALEXANDER, *Geranomyia*, 354
gifuensis ALEXANDER, *Hexatoma*, 239
gifuensis KARIYA, *Pedicia*, 201
gigantea SCHRANK, *Tipula*, 93
gigantea (DAHL), *Trichocera*, 34
gilvipennis ALEXANDER, *Gonomyia*, 302
gimmerthali LACKSCHEWITZ, *Tipula*, 143
gissarica SAVCHENKO, *Limonia*, 359
glabrata (WALKER), *Dicranomyia*, 344
glabrata ALEXANDER, *Dictenidia*, 62
glabrata (MEIGEN), *Diogma*, 181
glabricellula ALEXANDER, ssp., *Tipula*, 139
glabricula (MEIGEN), *Phylidorea*, 229
glacialis (POKORNY), *Tipula*, 133
gladius DE MEIJERE, *Molophilus*, 281
glauco cinerea LUNDSTRÖM, *Tipula*, 143
globata (WALKER), *Dicranomyia*, 340
Globericera MATSUMURA, 238
globithorax OSTEN SACKEN, *Dicranomyia*, 342]
globulithorax ALEXANDER, ssp., *Dicranomyia*, 342
Glochina MEIGEN, subg., 343
gloriosa (TOKUNAGA), *Dicranomyia*, 345
[gloriosa (EDWARDS), *Libnotes*, 356]
gloriosa ALEXANDER, *Tipula*, 149
gloriosus (ALEXANDER), *Heterangaeus*, 195
gmundensis (EGGER), *Pedicia*, 198
gnoma ALEXANDER, *Cheilotrichia*, 268
Gnophomyia OSTEN SACKEN, 300
goeblensis (ALEXANDER), *Symplecta*, 263
goezii SCHRANK, [Tipula], 173
gohli MENDL, *Phyllolabis*, 205
goidanichi (VENTURI), *Tipula*, 132
gokaensis KITAKAMI, *Phylorus*, 51
gondattii ALEXANDER, *Tipula*, 109
Gonempeda ALEXANDER, 258
Goniomyia OSTEN SACKEN, 301
Gonomyella ALEXANDER, 299
Gonomyia MEIGEN, 301
Gonomyia MEIGEN, subg., 301
Gonomyiella KUNTZE, 206
 GONOMYIINI, 295
Gonomyodes ALEXANDER, 259
gorgona SAVCHENKO, *Erioptera*, 254
goritiensis (MIK), *Dicranomyia*, 335
goriziensis STROBL, *Tipula*, 143
Goureaudia BIGOT, 182
gracilentia LACKSCHEWITZ, *Tipula*, 161
gracilipes LOEW, *Dactylolabis*, 214
gracilipes WAHLGREN, *Dicranota*, 190
gracilipes LOEW, *Erioptera*, 254
gracilipes ALEXANDER, *Molophilus*, 277
gracilirostris (ALEXANDER), *Dicranomyia*, 335
gracilirostris ALEXANDER, *Tipula*, 167
[gracilis DOANE, *Dicranomyia*, 346]
[gracilis DE MEIJERE, *Dolichopeza*, 64]
[gracilis (SKUSE), *Gonomyia*, 306]
gracilis (ZETTERSTEDT), *Gonomyia*, 303
gracilis SAVCHENKO, *Nipponomyia*, 197
[gracilis BRUNETTI, *Paracladura*, 33]
gracilis (PORTSCHINSKY), *Tanyptera*, 88
[gracilispina SAVCHENKO, ssp., *Tipula*, 100]
gracilistyla ALEXANDER, *Chionea*, 244
gracilistyla SAVCHENKO, *Phylidorea*, 229
[gracilistyla ALEXANDER, *Prionocera*, 85]
gracilistylus ALEXANDER, *Dactylolabis*, 212
gracilistylus ALEXANDER, ssp., *Epiphragma*, 215
gracilistylus ALEXANDER, *Gonomyia*, 307
gracillima ALEXANDER, *Antocha*, 324
gracillimus ALEXANDER, *Helius*, 321
graeca MANNHEIMS, *Dolichopeza*, 63
graeca OOSTERBROEK et VUKOVIĆ, *Tipula*, 109
graecolivida MANNHEIMS, *Tipula*,
grahami (ALEXANDER), *Hexatoma*, 239
grahami ALEXANDER, *Ormosia*, 289
grahami ALEXANDER, *Tipula*, 155
grahamiana (ALEXANDER), *Dicranomyia*, 346
grahamiana ALEXANDER, *Nephrotoma*, 79
Grahamomyia ALEXANDER, 204
graminea SCOPOLI, [Tipula], 173
grandior (ALEXANDER), *Pedicia*, 201

- [*grandis* OSTEN SACKEN, Bibiocephala, 42]
grandis PANZER, Tipula, 169
graphiptera ALEXANDER, Tipula, 92
grata LOEW, Symplecta, 264
gredosi THEOWALD, Tipula, 133
griesheimae MANNHEIMS et THEOWALD, Tipula, 109
grisea (MACQUART), Dicranomyia, 344
grisea (RIEDEL), Hexatoma, 239
grisea SAVCHENKO, ssp., Pedicia, 198
griseifrons DE MEIJERE, Molophilus, 276
griseipennis MEIGEN, Erioptera, 254
griseipennis BRUNETTI, Tipula, 149
grisescens LACKSCHEWITZ, Dicranomyia, 333
grisescens ZETTERSTEDT, Tipula, 143
[i]griseus CURRAN, Bibionus, 42]
griseus (MEIGEN), Molophilus, 277
grunini SAVCHENKO, Dactylolabis, 212
guadarramensis STROBL, Tipula, 142
[i]guangxiensis YANG et YANG, Pselliophora, 86]
guerini ZETTERSTEDT, Dicranota, 187
guestfalica (WESTHOFF), Nephrotoma, 74
[i]guizhouensis YANG et YANG, ssp., Nephrotoma, 71]
guttata MEIGEN, Ctenophora, 60
guttata (MACQUART), Elocephila, 218
guttipennis ALEXANDER, Orimarga, 328
guttipennis MEIGEN, Tipula, 146
guttiventris (ZETTERSTEDT), Tanyptera, 90
guttulifera ZETTERSTEDT, Tipula, 157
Gymnastes BRUNETTI, 308
Gymnastes BRUNETTI, subg., 308
gynaptera ALEXANDER, ssp., Tipula, 132
gynops (ZWICK), ssp., Blepharicera, 43
- haemorrhoea* SCHRANK, [Tipula], 173
haemorrhoidalis (ZETTERSTEDT), Rhypholophus, 293
hafniensis GMELIN, [Tipula], 173
haiasana (SAVCHENKO), Hexatoma, 237
[i]hainanensis YANG et YANG, Pselliophora, 86]
hakoneana (ALEXANDER), Geranomyia, 354
hakonensis ALEXANDER, Cladura, 246
halesus (SCHMID), Tasiocera, 294
- haligena* (WOLLASTON), Symplecta, 265
halobia (TOKUNAGA), Dicranomyia, 335
halterata OSTEN SACKEN, Dicranomyia, 335
halterella EDWARDS, Dicranomyia, 346
hamata BECKER, Dicranomyia, 348
hamata SAVCHENKO, Tipula, 162
hamatula SAVCHENKO, Tipula, 162
handlirschi LACKSCHEWITZ, Dicranomyia, 335
handlirschi (CZIŽEK), Ptychoptera, 371
handschini MANNHEIMS, Tipula, 109
handschiniana MANNHEIMS, Tipula, 154
hansiana STARÝ et GEIGER, Dicranomyia, 344
Hapalothrix LOEW, 45
haplocera BERGROTH, Tipula, 163
Haploneura LOEW, 206
haplorhabda ALEXANDER, Tipula, 133
haplostyla ALEXANDER, Erioptera, 254
haplostyla OOSTERBROEK et THEOWALD, Tipula, 129
[i]hardyi (ALEXANDER), Symplecta, 264]
harmonia MANNHEIMS, Tipula, 109
harperi (ALEXANDER), Austrolimnophila, 209
hartigi (MANNHEIMS), Nephrotoma, 72
hartigi MENDL, Ormosia, 289
hartigi MANNHEIMS, ssp., Tipula, 158
hartigiana OOSTERBROEK, ssp., Nephrotoma, 74
hartigiana THEOWALD, DUFOUR et OOSTERBROEK, Tipula, 143
harukawai (ALEXANDER), Eriocnopa, 269
harutai ALEXANDER, Tipula, 133
hasegawai ALEXANDER, Dicranoptycha, 297
hasta STARÝ, Idiocera, 310
hastatus LACKSCHEWITZ, Molophilus, 278
hebeiensis YANG et YANG, Tanyptera, 89
hebetatus SAVCHENKO, ssp., Molophilus, 278
hederae (CURTIS), Ormosia, 289
hedini ALEXANDER, Tipula, 156
heidiae ZWICK, Liponeura, 49
helenae MANNHEIMS, Dolichopeza, 63
helenae (PEUS), Ptychoptera, 372
helifera SAVCHENKO, Ormosia, 289
Helius LEPELETIER et SERVILE, 320

- hellenorum* BRULLÉ, Tipula, 169
Helobia LEPELETIER et SERVILLE, 261
helvetica BERGROTH, Adelphomyia, 216
helvetica (MANNHEIMS et THEOWALD),
 Nephrotoma, 75
helvetica (LOEW), Ormosia, 288
helvola LOEW, Tipula, 109
hemapterandra BEZZI, Tipula, 155
hemerobioides SCOPOLI, [Tipula], 173
hemicerca (ALEXANDER), Hexatoma, 239
hemiptera MANNHEIMS, Tipula, 155
hemmingseni NIELSEN, Phyllolabis, 205
hera THEISCHINGER, Tipula, 109
hercegovinae (STROBL), Limonia, 359
herculeana (ALEXANDER), Holorusia, 66
hermes THEISCHINGER, Tipula, 109
heros EGGER, Tipula, 109
[hespera] ARNAUD et BYERS, Holorusia, 66]
Hesperoconopa ALEXANDER, 259
Heterangaeus ALEXANDER, 195
heterogyna (BERGROTH), Phylidorea, 229
hetskoi BISCHOFF, Liponeura, 47
hexacantha (ALEXANDER), Scleroprocta, 260
Hexatoma LATREILLE, 237
Hexatoma LATREILLE, subg., 242
 HEXATOMINAE, 204
 HEXATOMINI, 237
hibii ALEXANDER, Tipula, 133
hidana (ALEXANDER), Eloeoephila, 218
hiemalis (DE GEER), Trichocera, 35
hilaris EDWARDS, Rhabdomastix, 315
hilgendorfi (ENDERLEIN), Ctenophora, 59
hilpa (WALKER), Hexatoma, 239
hilpoides (ALEXANDER), Hexatoma, 239
himalayensis BRUNETTI, Tipula, 155
hingstoni EDWARDS, Tipula, 167
hirsuticauda SAVCHENKO, Dolichopeza, 64
hirsuticauda ALEXANDER, Nephrotoma, 75
hirsuticauda PIERRE, Tipula, 109
hirsutipes (MACQUART), Symplecta, 265
hirsutipes LACKSCHEWITZ, Tipula, 134
hirta LINNAEUS, [Tipula], 173
hirticeps SAVCHENKO, Tipula, 155
[hirticornis] (FABRICIUS), Polymera, 232]
hirticornis (LACKSCHEWITZ), Rhabdomas-
 tix, 314
hirticula ALEXANDER, Tipula, 96
hirtipennis (SIEBKE), Diazosma, 32
hirtipes SAVCHENKO, Antocha, 324
hirtipes SAVCHENKO, Dactylolabis, 212
hirtitergata SAVCHENKO, Dicranota, 190
hirtitergata ALEXANDER, Tipula, 96
hispanica MANNHEIMS, Dolichopeza, 64
hispanicus LACKSCHEWITZ, Helius, 321
hispanolivida MANNHEIMS, Tipula, 110
hispida SAVCHENKO, Tipula, 134
histrío (FABRICIUS), Nephrotoma, 73
histrío FABRICIUS, [Tipula], 173
hobsoni EDWARDS, Tipula, 149
hochhuthi GIMMERTHAL, Tipula, 124
hoi ALEXANDER, Tipula, 98
hokkaidensis ALEXANDER, Elephantomyia,
 319
hokkaidensis (ALEXANDER), Nasitemella,
 196
hokkaidensis ALEXANDER, Nephrotoma, 78
hokkaidensis (ALEXANDER), Phylidorea, 229
hokusaii DE JONG, Tipula, 92
holomelania ALEXANDER, Rhabdomastix,
 315
holoptera EDWARDS, Tipula, 143
Holorusia LOEW, 66
[holoserica] (MATSUMURA), Tipula, 99]
holoteles ALEXANDER, Tipula, 99
holoxantha ALEXANDER, Erioptera, 256
holtedahli ALEXANDER, Ormosia, 288
holzschuhi THEISCHINGER, Tipula, 110
honorifica ALEXANDER, Tipula, 129
honshiuensis ALEXANDER, Dolichopeza, 64
honshuensis (ALEXANDER), Symplecta, 261
hopeiensis (ALEXANDER), Tipulodina, 178
Hoploerioptera ALEXANDER, subg., 261
Hoplolabis OSTEN SACKEN, 270
Hoplolabis OSTEN SACKEN, subg., 270
[horai] TONNOIR, Euliponeura, 51]
[horai] (TONNOIR), Philorus, 51]
Horaia TONNOIR, 54
horiana ALEXANDER, Ormosia, 289
horii (ALEXANDER), Austrolimnophila, 210
horii ALEXANDER, Erioptera, 254
horikawae (MATSUMURA), Pselliophora, 86
horribilis ALEXANDER, Gonomyia, 307
horrida (LACKSCHEWITZ), Erioptera, 257
horsti THEISCHINGER, Tipula, 110

- hortensis* MEIGEN, Tipula, 97
hortorum HERBST, Tipula, 93
hortorum LINNAEUS, Tipula, 155
hortulana LINNAEUS, [Tipula], 173
hortulana MEIGEN, Tipula, 138
hortulana: authors, Tipula, 139
hospes (EGGER), Prionolabis, 233
hostilis ALEXANDER, Limonia, 359
hrabei KRATOCHVÍL, Chionea, 244
hubeiensis YANG et YANG, Nephrotoma, 75
hubeiensis YANG et YANG, Tanyptera, 89
huberti THEISCHINGER, Tipula, 110
hugoi TJEDER, Ptychoptera, 372
huguenini (BANGERTER), Ellipteroides, 300
humilis (MEIGEN), Austrolimnophila, 209
humilis STAEGER, Tipula, 110
hummeli ALEXANDER, Tipula, 156
hungarica MADARASSY, Elliptera, 327
hungarica LACKSCHEWITZ, Tipula, 150
hutchinsonae ALEXANDER, Tipula, 149
hutsoni (STARÝ), Ellipteroides, 299
hyalinata (ZETTERSTEDT), Dicranomyia, 335
hyalipennis ALEXANDER, Dicranota, 187
hyalipennis (ZETTERSTEDT), Neolimnophila, 249
hybrida (MEIGEN), Symplecta, 264
hybrida SAVCHENKO, Tipula, 110
hygropetrica VAILLANT, Dicranomyia, 338
hygropetrica VAILLANT, Orimarga, 328
hylaea ALEXANDER, Tipula, 167
hypermecha ALEXANDER, Pylaria, 231
hypomelania (ALEXANDER), Rhipidia, 367
hypopygialis ALEXANDER, Cylindrotoma, 180
[hypopygialis] ALEXANDER, Tipula, 99
hypoalvata ALEXANDER, Tipula, 110
hyrcana SAVCHENKO, Tipula, 110
hyrcanus SAVCHENKO, Molophilus, 278
iberica MANNHEIMS, Liponeura, 50
iberica MANNHEIMS, Tipula, 110
ichneumonea (DE GEER), Tanyptera, 88
icterica (EGGER), Lipsothrix, 313
ida STARÝ et MENDEL, Ellipteroides, 300
Idiocera DALE, 308
Idiocera DALE, subg., 309
Idiocerodes SAVCHENKO, subg., 305
Idioglochina ALEXANDER, subg., 345
Idiognomomyia ALEXANDER, 312
idiophallus (ALEXANDER), Dolichopeza, 65
idiophallus (SAVCHENKO), Hoplolabis, 270
Idioptera MACQUART, 221
Idiopyga SAVCHENKO, subg., 346
idiopyga ALEXANDER, Dicranota, 194
idriensis (SCOPOLI), Dictenidia, 62
ignava ALEXANDER, ssp., Limnophila, 223
ignicaudata (ALEXANDER), Holorusia, 66
ignoscens ALEXANDER, Tipula, 134
ignota (WALKER), Lipsothrix, 313
iliensis MANNHEIMS, Tipula, 110
Ilisia RONDANI, 273
Ilisomyia RONDANI, 285
Ilisophila RONDANI, 252
illegitima ALEXANDER, Tipula, 134
illinoiensis ALEXANDER, Tipula, 101
imanishii (TOKUNAGA), Kawasemyia, 32
imanishii TOKUNAGA, Paracladura, 33
imanishii (ALEXANDER), Prionolabis, 233
imanishii ALEXANDER, Tipula, 129
imanoensis ALEXANDER, Tipula, 167
imbecilla LACKSCHEWITZ, Dicranomyia, 338
imbecilla LOEW, Tipula, 110
imbuta (MEIGEN), Cheilotrichia, 266
imeretica SAVCHENKO, ssp., Dactylolabis, 211
imitator SAVCHENKO, Dolichopeza, 64
imitator SAVCHENKO, Rhypholophus, 293
imitator ALEXANDER, Tipula, 134
immaculata ALEXANDER, ssp., Antocha, 324
immaculata SAVCHENKO, ssp., Dicranota, 189
immaculata (BECKER), Phoroctenia, 84
immaculata FOURCROY, [Tipula], 173
immaculata (MEIGEN), Triclyphona, 202
immemorata ALEXANDER, Nephrotoma, 78
immodestoides ALEXANDER, Dicranomyia, 334
immota ALEXANDER, Tipula, 155
immunda ALEXANDER, ssp., Tipula, 158
imperator ALEXANDER, Hexatoma, 239
imperfecta (BRUNETTI), Brithura, 58
imperialis (LOEW), Discobola, 352
imperialis (MEIGEN), Nephrotoma, 80

- impigra* ALEXANDER, *Nephrotoma*, 75
implicata DAHL, *Trichocera*, 35
improvvisa (ALEXANDER), *Metalimnobia*, 364
inaequispina ALEXANDER, *Ormosia*, 289
inaperta SAVCHENKO, *Ormosia*, 289
incana SAVCHENKO, *Tipula*, 162
incarnata LINNÉ, [*Tipula*], 173
incisicauda SAVCHENKO, ssp., *Tipula*, 148
incisuralis ALEXANDER, *Dolichopeza*, 64
incisurata LACKSCHEWITZ, *Dicranomyia*, 335
incisurata TONNOIR, *Gonomyia*, 302
incisurata (SAVCHENKO), *Hoplolabis*, 271
incisurata ALEXANDER, *Tipula*, 167
inclinata EDWARDS, *Rhabdomastix*, 315
inclusa (WALKER), *Neolimnomyia*, 225
incompleta BRUNETTI, *Gonomyia*, 306
inconclusa (WALKER), *Ula*, 185
inconcussa (ALEXANDER), *Pseudolimnophila*, 235
incongruens (ALEXANDER), *Ilisia*, 273
inconstans: authors, *Pedicia*, 199
incorrupta ALEXANDER, *Tipula*, 92
incurvus MENDEL, *Molophilus*, 278
indica BRUNETTI, *Antocha*, 324
indica (BRUNETTI), *Blepharicera*, 43
indifferens ALEXANDER, *Tipula*, 129
Indotipula EDWARDS, 67
inelegans (ALEXANDER), *Microlimonia*, 366
inermis MENDEL, *Ilisia*, 273
inermis (ALEXANDER), *Prionolabis*, 233
inexplorata (DAHL), *Trichocera*, 34
infensa (ALEXANDER), *Dicranomyia*, 335
infirmus ALEXANDER, *Helius*, 321
inflexa SAVCHENKO, *Ormosia*, 289
infumosa SAVCHENKO, *Libnotes*, 356
infusca (MATSUMURA), *Bibiocephala*, 42
infusca LACKSCHEWITZ, *Dicranomyia*, 338
infusca (LACKSCHEWITZ), *Rhabdomastix*, 315
ingentissima (ALEXANDER), *Libnotes*, 356
ingrica LACKSCHEWITZ, *Gonomyia*, 303
inimicus ALEXANDER, *Molophilus*, 278
immaculata SANTOS ABREU, *Geranomyia*, 355
inomatai ALEXANDER, *Dolichopeza*, 65
inopis (ALEXANDER), *Prionolabis*, 233
inornata LACKSCHEWITZ, *Geranomyia*, 354
inorata ALEXANDER, *Nephrotoma*, 75
inornatus (MEIGEN), *Helius*, 321
inouei ALEXANDER, *Teucholabis*, 317
inquieta SCOPOLI, [*Tipula*], 173
inquinata ALEXANDER, *Tipula*, 155
[inquisita] ALEXANDER, *Gonomyia*, 306
insidiosa (ALEXANDER), *Idiocera*, 310
insignis EDWARDS, *Erioptera*, 258
insignis LACKSCHEWITZ, *Thaumastoptera*, 329
insolita ALEXANDER, *Elephantomyia*, 319
insolita ALEXANDER, *Ormosia*, 289
instabilis HOLMGREN, *Tipula*, 142
insulana SAVCHENKO, *Arctoconopa*, 249
insulana ALEXANDER, *Tricyphona*, 203
insularis GIUDICELLI, *Liponeura*, 48
insularis GMELIN, [*Tipula*], 173
insulensis ALEXANDER, *Gonomyia*, 306
insulicola ALEXANDER, *Tipula*, 129
intacta ALEXANDER, *Tipula*, 92
integra ALEXANDER, *Antocha*, 324
interjecta STARYĚ, *Limonia*, 359
intermedia SANTOS ABREU, *Dicranomyia*, 335
intermedia SANTOS ABREU, *Gonomyia*, 302
intermedia (BANGERTER), *Hoplolabis*, 272
intermedia (LACKSCHEWITZ), *Symplecta*, 264
intermixta SAVCHENKO, ssp., *Limonia*, 361
intermixta SAVCHENKO, *Thaumastoptera*, 329
intermixta RIEDEL, ssp., *Tipula*, 158
intermixtus (SAVCHENKO), *Rhypholophus*, 293
interposita STARYĚ, *Erioconopa*, 269
interposita SAVCHENKO, *Paradelphomyia*, 207
interposita SAVCHENKO, *Tipula*, 134
interrita ALEXANDER, *Tipula*, 110
interserta RIEDEL, *Tipula*, 144
intricata ALEXANDER, *Dicranomyia*, 346
inustus (MEIGEN), *Atypophthalmus*, 331
invenusta RIEDEL, *Tipula*, 144
inversa LUNDSTRÖM, *Tipula*, 141
iranensis (ALEXANDER), *Dicranota*, 192

- iranensis THEOWALD, ssp., Tipula, 163
iranica (ALEXANDER), Hoplolabis, 271
iranica ALEXANDER, ssp., Lipsothrix, 313
iridicolor (SCHUMMEL), Nephrotoma, 71
iris (ALEXANDER), Libnotes, 356]
iris MÜLLER, [Tipula], 173
irregularis PIERRE, Dicranota, 187
irregularis (POKORNY), Tipula, 134
irrequieta ALEXANDER, Tipula, 93
irrorata (WIEDEMANN), Conosia, 217
irrorata MACQUART, Tipula, 134
ishiharai ALEXANDER, Ctenophora, 59
ishiharana ALEXANDER, Tipula, 134
ishizuchiana ALEXANDER, Tipula, 148
ishizuchianus ALEXANDER, Molophilus, 278
isis (ALEXANDER), Prionolabis, 233
ismene MANNHEIMS, Tipula, 93
isospilota (ALEXANDER), Rhipidia, 367
isparta VERMOOLEN, Tipula, 93
isshikii (MATSUMURA), Pselliophora, 87
isshikii ALEXANDER, Tipula, 98
issikiella ALEXANDER, Pedicia, 201
issikii (ALEXANDER), Hexatoma, 239
[issikii ALEXANDER, Protohelius, 322]
istriana ERHAN et THEOWALD, Tipula, 110
itala MANNHEIMS, Liponeura, 50
itala ZWICK, Liponeura, 49
italia THEOWALD, DUFOR et OOSTER-
BROEK, ssp., Tipula, 164
italica VENTURI, Chionea, 245
italica LACKSCHEWITZ, Tipula, 150
ithyphallus LACKSCHEWITZ, Gonomyia,
308
itoana (ALEXANDER), Indotipula, 67
itoanus ALEXANDER, Molophilus, 278
itoi ALEXANDER, Cladura, 246
itoi ALEXANDER, Macgregoromyia, 68
iwatensis (ALEXANDER), ssp., Elocephila,
220
iyaensis (KITAKAMI), Agathon, 40
iyoanus ALEXANDER, Molophilus, 278
iyoensis ALEXANDER, Nephrotoma, 74
iyoensis (ALEXANDER), Prionolabis, 233
izmirensis THEISCHINGER, ssp., Tipula, 120
jacoti ALEXANDER, Eliopectera, 327
[jactans (ALEXANDER), Teucholabis, 317]
jakut ALEXANDER, Tipula, 155
japonica (KITAKAMI), Blepharicera, 43
japonica (ALEXANDER), Cheilotrichia, 267
japonica (ALEXANDER), Cladura, 246
japonica ALEXANDER, Cylindrotoma, 180
japonica LACKSCHEWITZ, Dicranomyia, 337
japonica ALEXANDER, Hexatoma, 243
japonica ALEXANDER, Limnophila, 223
japonica (ALEXANDER), Limonia, 359
japonica (MATSUMURA), Neolimnophila,
249
japonica (ESAKI), Nephrotoma, 82
japonica ALEXANDER, Ptychoptera, 372
japonica ALEXANDER, Rhabdomastix, 315
japonica LOEW, Tipula, 170
japonica MATSUMURA, Trichocera, 35
japonicus (ALEXANDER), Agathon, 40
japonicus (ALEXANDER), Heterangaeus, 196
jaroslavi SAVCHENKO, Eriocnopa, 269
jativensis STROBL, Tipula, 111
[javanensis DE MEIJERE, Erioptera, 257]
jedoensis ALEXANDER, Tipula, 134
jeekeli MANNHEIMS et THEOWALD, Tipula,
144
jelenae (SCHMID), Tasiocera, 294
jenkinsoni FREEMAN, Tasiocera, 294
jezoensis MATSUMURA, Bibiocephala, 42
[jinxiuensis YANG et YANG, Pselliophora,
87]
joana (ALEXANDER), Tipulodina, 178
jocosipennis ALEXANDER, Tipula, 129
johannis LINNÉ, [Tipula], 173
[jonesi (JOHNSON), Bittacomorphella, 371]
jonica LACKSCHEWITZ, Dactylolabis, 212
jordansi MANNHEIMS, ssp., Tipula, 116
jozana (ALEXANDER), Hexatoma, 239
jozana (MATSUMURA), Tanyptera, 89
jubata (ALEXANDER), Tasiocera, 295
jucunda (LOEW), Idiocera, 309
jucunda SAVCHENKO, Tipula, 162
jugoslavica (NIELSEN), Libnotes, 355
jugoslavica KOMÁREK et VIMMER, ssp.,
Liponeura, 46
juncea MEIGEN, Tipula, 127
junctura (ALEXANDER), Dicranomyia, 336
juniperina LINNAEUS, [Tipula], 173
jurassica (BOURNE), Chionea, 245

- justa* ALEXANDER, Tipula, 152
justifica ALEXANDER, Gonomyia, 303
jutlandica NIELSEN, Tipula, 134
juvenca ALEXANDER, Limonia, 359
juvenilis ALEXANDER, Erioptera, 254
juvenilis (ZETTERSTEDT), Orimarga, 328

kaisilai MANNHEIMS, Tipula, 135
kallemuelleri MENDL, Molophilus, 278
kamchatkana ALEXANDER, Tipula, 155
kamchatkensis ALEXANDER, Tipula, 127
kamikochiae ALEXANDER, Ormosia, 289
kamikochiensis ALEXANDER, Tipula, 162
kamiyai (ALEXANDER), Hexatoma, 240
kamtchatkensis (ALEXANDER), Phylidorea, 228
kamtshatica LACKSCHEWITZ, Dicranomyia, 348
kandybinae SAVCHENKO, Dicranomyia, 336
kanenoi SASAKAWA, Chionea, 244
kani KITAKAMI, Neohapalothrix, 50
kansuensis (ALEXANDER), Dicranomyia, 349
kaplani THEOWALD et OOSTERBROEK, Tipula, 111
karafutonis ALEXANDER, Dicranota, 194
karafutonis ALEXANDER, Limonia, 359
kariyai ALEXANDER, Hexatoma, 240
kariyana (ALEXANDER), Libnotes, 356
kashkarovi STACKELBERG, Tipula, 156
kashmirica (EDWARDS), Limonia, 359
kaszabi (MANNHEIMS et SAVCHENKO), Dicranomyia, 344
[katmai] (ALEXANDER), Arctoconopa, 250
katmaiensis ALEXANDER, Tipula, 135
katoi ALEXANDER, Dolichopeza, 64
kaukasica (KOMÁREK), Liponeura, 50
kaulbacki ALEXANDER, Nephrotoma, 75
kaulbackiana ALEXANDER, Tipula, 135
kawamurai (KITAKAMI), Agathon, 40
Kawasemyia, ALEXANDER, 32
KAWASEMYIINAE, 32
kephalos THEISCHINGER, Tipula, 111
kerkis THEISCHINGER, Tipula, 111
kiangsiana ALEXANDER, Hexatoma, 243
[kiangsuana] ALEXANDER, Hexatoma, 240
kiangsuensis ALEXANDER, Tipula, 100
kibunensis KITAKAMI, Philorus, 51

kibunensis (ALEXANDER), Tasiocera, 295
kinensis (ALEXANDER), Dicranomyia, 344
kintaro (ALEXANDER), Eloephila, 218
kinzelbachi THEISCHINGER, Tipula, 111
kirishimana ALEXANDER, Dicranomyia, 336
kirishimensis (ALEXANDER), Austrolimnophila, 210
kirishimensis ALEXANDER, Tricyphona, 203
kiritshenkoi SAVCHENKO, Tipula, 156
kiuhuana ALEXANDER, ssp., Hexatoma, 241
kiushiuiensis ALEXANDER, Molophilus, 278
kiushiuiensis ALEXANDER, Tipula, 144
kiushiuiensis ALEXANDER, Ula, 185
kiusiuiensis ALEXANDER, Nippolimnophila, 226
klapaleki VIMMER, Liponeura, 49
klapperichi ALEXANDER, Dasymallomyia, 295
klapperichiana ALEXANDER, Hexatoma, 240
klefbecki (TJEDER), Dicranomyia, 346
kleinschmidt MANNHEIMS, Tipula, 151
klementi MENDL, Molophilus, 278
klytaimnestra THEISCHINGER, Tipula, 111
[knowltonia] (ALEXANDER), Gonomyodes, 259
knutsoni YANG et YANG, Dictenidia, 62
koikei ALEXANDER, Tipula, 162
kolbei (WESTHOFF), Cheilotrichia, 267
[kolthoffi] ALEXANDER, Hexatoma, 240
komaensis (KITAKAMI), Bibiocephala, 42
komareki BISCHOFF, Liponeura, 47
komareki VIMMER, Liponeura, 49
kongoensis KITAKAMI, Philorus, 52
kongosana (ALEXANDER), Dicranomyia, 349
koreana TANGELDER, Nephrotoma, 75
koreana MASAKI, Pselliophora, 87
koreana ALEXANDER, Tipula, 144
korovini SAVCHENKO, Tipula, 111
kosswigi MANNHEIMS, Tipula, 156
kostjukovi SAVCHENKO, ssp., Arctoconopa, 249
kotan TAKAHASHI, ssp., Tanyptera, 90
kotenkoi SAVCHENKO, Molophilus, 278
kowalskii STARÝ et KRZEMIŃSKI, Idiocera, 310
Kowarzia THALHAMMER, 261
kozhevnikovi (DODONOV), Nephrotoma, 77

- kozlovi SAVCHENKO, *Tipula*, 156
kratochvili (BURGHELE-BĂLĂCESCO),
Chionea, 245
kreissli THEISCHINGER, *Tipula*, 111
krivosheinae SAVCHENKO, *Elephantomyia*,
319
kuehnelti THEISCHINGER, *Tipula*, 117
kuenlunensis (LACKSCHEWITZ), *Blepharice-*
ra, 43
[kumaonensis ALEXANDER, *Paracladura*, 33]
kumerloevae MANNHEIMS, *Tipula*, 111
kunimiana (ALEXANDER), *Prionolabis*, 233
kuntzei (SCHULTZE), *Atypophthalmus*, 331
kurilensis SAVCHENKO, *Tipula*, 135
kurokawae ALEXANDER, *Gonomyia*, 303
kusunokiana ALEXANDER, *Tipula*, 167
kusunokii ALEXANDER, ssp., *Heterangaeus*,
196
kuwanai (ALEXANDER), *Nipponomyia*, 197
kuwanai (ALEXANDER), *Triogma*, 182
kuwayamai (ALEXANDER), *Idiocera*, 310
kuwayamai ALEXANDER, *Pedicia*, 201
kuwayamai (ALEXANDER), *Phylidorea*, 229
kuwayamai ALEXANDER, *Tipula*, 156
kuyaensis KITAKAMI, *Philorus*, 52
kuzuensis ALEXANDER, *Tipula*, 93
kwanhsienana ALEXANDER, *Tipula*, 156
kybele MANNHEIMS, *Tipula*, 111
kykladon THEISCHINGER, *Tipula*, 111

labacensis SCOPOLI, [*Tipula*], 173
labiosa ALEXANDER, ssp., *Tipula*, 164
Labiotipula ALEXANDER, subg., 100
laccata LUNDSTRÖM et FREY, *Tipula*, 156
[laeta (FABRICIUS), *Pselliophora*, 86]
lachesis SAVCHENKO, *Dicranomyia*, 336
laciniata (EDWARDS), *Eloeophila*, 218
lackschewitzii EDWARDS, *Dicranomyia*, 347
lackschewitzii (STARÝ), *Idiocera*, 310
lackschewitzii BANGERTER, *Ormosia*, 289
lackschewitzii MANNHEIMS, *Prionocera*, 85
lackschewitzii MANNHEIMS, *Tipula*, 95
lackschewitzii LANTSOV, *Trichocera*, 35
lackschewitziana MENDL, *Dicranota*, 190
lackschewitziana ALEXANDER, *Limonia*, 359
lackschewitzianus ALEXANDER, *Molophilus*,
278
lacteibasis ALEXANDER, *Antocha*, 324
lactipennis LINDEMANN, *Tipula*, 124
lacustris MEIGEN, *Ptychoptera*, 372
lacustris SCOPOLI, [*Tipula*], 173
ladogensis (LACKSCHEWITZ), *Libnotes*, 355
laeta (LOEW), *Rhabdomastix*, 315
laetabilis ALEXANDER, *Pedicia*, 201
laetabilis ZETTERSTEDT, *Tipula*, 111
laetibasis ALEXANDER, *Tipula*, 135
laetipennis (ALEXANDER), *Angarotipula*, 58
laetipennis (ALEXANDER), *Cheilotrichia*,
266
laetissima ALEXANDER, *Tipula*, 135
laetithorax ALEXANDER, *Limnophila*, 223
laevigata (MACQUART), *Dicranomyia*, 350
laevistyla ALEXANDER, *Ormosia*, 289
lamellata (RIEDEL), *Nephrotoma*, 75
lamentaria ALEXANDER, *Tipula*, 111
laminata FREEMAN, *Tasiocera*, 295
lanceolata SAVCHENKO, *Metalimnobia*, 364
lanceolatus STARÝ, *Molophilus*, 278
landrocki CZIŽEK, *Dicranota*, 190
lanigera ALEXANDER, *Hexatoma*, 240
lanio ALEXANDER, *Tipula*, 168
lanispina MANNHEIMS, *Tipula*, 111
Laosa EDWARDS, subg., 356
lappona OOSTERBROEK, *Gonomyia*, 303
lapponica TJEDER, *Arctoconopa*, 249
lapponica TJEDER, *Prionocera*, 85
lapponica TJEDER, *Rhabdomastix*, 315
lataurata ALEXANDER, *Ormosia*, 293
latemarginata ALEXANDER, *Tipula*, 162
lateralis (MACQUART), *Ellipteroides*, 298
lateralis MEIGEN, *Tipula*, 162
laterodentata ALEXANDER, *Tipula*, 96
laterospina (ALEXANDER), *Idiocera*, 310
laterospinosa (ALEXANDER), *Idiognoph-*
omyia, 312
laterostriata SAVCHENKO, *Paradelphomyia*,
207
latevittata SCHUMMEL, *Tipula*, 98
laticellula SAVCHENKO, *Dactylolabis*, 212
laticellula (ALEXANDER), *Dicranomyia*, 336
laticinctus ALEXANDER, *Heterangaeus*, 196
laticrista SAVCHENKO, *Erioptera*, 254
laticrista SAVCHENKO, *Nephrotoma*, 75
latifasciata ALEXANDER, *Tipula*, 93

- latiflava* ALEXANDER, Tipula, 135
latifurca VERMOOLEN, ssp., Tipula, 95
latihamatus BANGERTER, Molophilus, 277
latiligula ALEXANDER, Tipula, 148
latiloba (SAVCHENKO), Hoplolabis, 271
latilobata ALEXANDER, Gonomyia, 303
latilobata ALEXANDER, Trichocera, 34
laticor (ALEXANDER), Paradelphomyia, 207
latipennis MACQUART, Limnobia, 369
latipennis ALEXANDER, Paracladura, 33
latiprocta SAVCHENKO, Scleroprocta, 260
latissima ALEXANDER, Orimarga, 328
latissima (ALEXANDER), Paradelphomyia, 207
latistyla STARÝ, Austrolimnophila, 210
latistyla SAVCHENKO, Phylidorea, 227
latistyla SAVCHENKO, Tipula, 112
latrinarum DE GEER, [Tipula], 174
laudata ALEXANDER, Phyllolabis, 205
laudatrix (ALEXANDER), Symplecta, 263
laufferi (STROBL), Limonia, 360
lauta ALEXANDER, Pselliophora, 87
lautereri STARÝ, Molophilus, 278
leandros ERHAN-DINCĂ, Tipula, 109
[lecontei] (ALEXANDER), Rhipidia, 367
leda MANNHEIMS, Tipula, 112
leeuweni OOSTERBROEK, Nephrotoma, 75
leeuweni THEISCHINGER, Tipula, 112
legalis ALEXANDER, Tipula, 135
lehriana SAVCHENKO, Tipula, 112
Leiponeura SKUSE, subg., 306
lempkei OOSTERBROEK, Nephrotoma, 75
lentus HARRIS, [Tipula], 174
Leptorhina STEPHENS, 320
Leptotarsus GUÉRIN-MÉNEVILLE, 67
lesnei PIERRE, ssp., Tipula, 113
lethe (ALEXANDER), Dicranomyia, 336
letifera ALEXANDER, Tipula, 144
leto MANNHEIMS, Tipula, 112
leucocephala (MEIGEN), Dicranomyia, 349
leucocnemis ALEXANDER, Dolichopeza, 65
leucopeza ALEXANDER, Lipsothrix, 313
leucophaea (MEIGEN), Neolimnomyia, 225
leucophaea SAVCHENKO, Rhabdomastix, 314
leucopoda ALEXANDER, Erioptera, 258
leucoprocta MIK, Tipula, 156
leucoptera GMELIN, [Tipula], 174
leucosticta ALEXANDER, Erioptera, 254
levanidovae ROHDENDORF et KALUGINA, Nymphomyia, 374
levanidovae SAVCHENKO, Ormosia, 290
libanica VERMOOLEN, Tipula, 93
libanotica LACKSCHEWITZ, Antocha, 324
liberta OSTEN SACKEN, Dicranomyia, 344
liberta (ALEXANDER), Holorusia, 67
libitina ALEXANDER, Antocha, 325
Libnotes WESTWOOD, 355
Libnotes WESTWOOD, subg., 356
libra ALEXANDER, Nephrotoma, 75
lichtwardti (LACKSCHEWITZ), Rhypholophus, 293
lictor (ALEXANDER), Prionolabis, 234
ligulalata ALEXANDER, Tipula, 168
ligulata SAVCHENKO, Austrolimnophila, 210
ligulata ALEXANDER, Nephrotoma, 76
ligulifera (ALEXANDER), ssp., Nigrotipula, 83
lilliputina (ALEXANDER), Elocephila, 218
lilliputina (SAVCHENKO), Erioptera, 257
limbata LOEW, Erioptera, 254
limbata ZETTERSTEDT, Tipula, 144
limbatus (VON ROSER), Ellipteroides, 300
limbinervis ALEXANDER, ssp., Triogma, 182
limbipennis MACQUART, Blepharicera, 43
limitata SCHUMMEL, Tipula, 112
Limnobia MEIGEN, 357
Limnoea RONDANI, 252
Limnoica RONDANI, 252
Limnomya RONDANI, 222
Limnomyza RONDANI, 357
Limnophila MACQUART, 222
Limnophila MACQUART, subg., 223
limnophilaeformis (NOWICKI), Molophilus, 275
LIMNOPHILINI, 215
limnophiloides BERGROTH, Crypteria, 247
Limnorimarga ALEXANDER, 327
limomi ZWICK, Liponeura, 49
Limonia MEIGEN, 357
LIMONIIDAE, 183
LIMONIINAE, 319
LIMONIINI, 330
limonioides SAVCHENKO, Dicranomyia, 336
limonioides (ALEXANDER), Limnorimarga, 327

- limpidipennis* LOEW, Trichocera, 35
lindbergi NIELSEN, Limonia, 359
lindneri (NIELSEN), Antocha, 324
lindneri ZWICK, Liponeura, 49
lindneri (MANNHEIMS), ssp., Nephrotoma, 72
lindneri MANNHEIMS, Phyllolabis, 205
lindneri RIEDEL, Tipula, 113
Lindneria MANNHEIMS, 100
Lindnerina MANNHEIMS, subg., 100
[lindrothi] (TJEDER), Dicranomyia, 339]
lindrothi (TJEDER), Symplecta, 263
lineata (SCOPOLI), Nephrotoma, 73
lineata (MEIGEN), Ormosia, 290
lineata FABRICIUS, [Tipula], 174
lineata MÜLLER, [Tipula], 174
lineata STAEGER, Tipula, 130
lineola (MEIGEN), Euphyllidorea, 220
lineola MEIGEN, Tipula, 123
lineolella (VERRALL), Phylidorea, 228
linnei OOSTERBROEK, Idioptera, 221
Liogma OSTEN SACKEN, 181
lionota HOLMGREN, Tipula, 163
Liponeura LOEW, 45
liponeura (ALEXANDER), Prionolabis, 234
Lipophleps BERGROTH, 306
lipophleps (ALEXANDER), Prionolabis, 234
Lipsothrix LOEW, 313
Liriopae MEIGEN, 371
LIRIOPEIDAE, 370
lithophila SAVCHENKO, Tipula, 112
littoralis (MEIGEN), Pedicia, 199
littoralis LINNAEUS, [Tipula], 174
littoralis SAVCHENKO, Tipula, 137
liui ALEXANDER, Tipula, 168
livescens LOEW, Dicranoptycha, 297
livida VAN DER WULP, Tipula, 112
livida MADARASSY, Tricyphona, 203
livornica LACKSCHEWITZ, Dicranomyia, 336
lobifera BANGERTER, Gonomyia, 303
lobifera SAVCHENKO, Pedicia, 199
lobiferus ALEXANDER, Molophilus, 278
lobulata SAVCHENKO, Gonomyia, 303
loehmeri MENDL, ssp., Ellipteroides, 300
loewi BISCHOFF, Liponeura, 47
longeantennata (LACKSCHEWITZ), Hexatoma, 240
longeantennata (STROBL), Prionolabis, 234
longefiligera MENDL, Baeoura, 251
longicauda ALEXANDER, Dactylolabis, 212
longicauda LOEW, Erioptera, 254
longicauda (TONNOIR), Ptychoptera, 372
longicauda MATSUMURA, ssp., Tipula, 127
longicellata ISHIDA, Ula, 185
longicollis (MACQUART), Dicranomyia, 336
longicornis SAVCHENKO, Ormosia, 285
longicornis (SCHUMMEL), Phylidorea, 229
longicornis CURTIS, Tipula, 98
longicornis LINNAEUS, [Tipula], 174
longicornis MACQUART, Tipula, 113
longicornis SCHUMMEL, Tipula, 97
longicornis ZETTERSTEDT, Tipula, 143
longidens STROBL, Tipula, 112
longifimbriata ALEXANDER, Tipula, 152
longifurca (ALEXANDER), Hexatoma, 240
longiligula ALEXANDER, ssp., Tipula, 139
longiloba (ALEXANDER), Tricyphona, 203
longipennis STROBL, Dactylolabis, 213
longipennis (SCHUMMEL), Dicranomyia, 336
longipes SANTOS ABREU, Dicranomyia, 333
longipes (LOEW), Hexatoma, 243
[longipes] TONNOIR, Horaia, 54]
longipyga LUNDSTRÖM et FREY, Tipula, 118
longirostris (MEIGEN), Helius, 321
longirostris KITAKAMI, Philorus, 52
longispina SAVCHENKO, Ormosia, 290
longispinus (KITAKAMI), Agathon, 41
longistigma ALEXANDER, Libnotes, 356
longistylus SAVCHENKO, Molophilus, 278
longitarsis BERGROTH, Dicranota, 191
longitudinalis NIELSEN, Tipula, 156
longivena SAVCHENKO, ssp., Hexatoma, 243
longiventris SAVCHENKO, Orimarga, 328
[longshengensis] YANG et YANG, Pselliophora, 87]
Longurio LOEW, subg., 68
lorettae GEIGER, Dicranomyia, 336
loti DE GEER, [Tipula], 174

- lotida* SAVCHENKO, Ormosia, 290
loxia STARY, Ormosia, 290
lucasi THEISCHINGER, Tipula, 112
lucea SAVCHENKO, Rhipidia, 367
lucida DE MEIJERE, Dicranomyia, 336
lucida (SCHINER), Nephrotoma, 76
lucidipennis (EDWARDS), Dicranota, 192
lucidipennis (CURTIS), Hexatoma, 242
lucidula DE MEIJERE, Gonomyia, 303
lucifera SAVCHENKO, Tipula, 163
lucistriata MANNHEIMS et SAVCHENKO, ssp., Tipula, 102
lucorum (MEIGEN), Pseudolimnophila, 235
luctuosa MANNHEIMS, Tipula, 93
luctuosipes ALEXANDER, Symplecta, 261
Ludicia HUTSON et VANE-WRIGHT, 192
luebenauorum THEISCHINGER, Tipula, 112
lugubris (ZETTERSTEDT), Gnophomyia, 301
lugubris LOEW, Hapalothrix, 45
lulensis (TJEDER), Dicranomyia, 347
luna WESTHOFF, Tipula, 93
Lunaria SAVCHENKO, subg., 270
lunata LINNAEUS, Tipula, 112
Lunatipula EDWARDS, subg., 101
lundbecki (NIELSEN), Nephrotoma, 76
lundbladi MANNHEIMS, Tipula, 144
lundstroemi (BERGROTH), Dicranoptycha, 296
lundstroemi STRAND, Tipula, 164
lundstroemiana ALEXANDER, ssp., Tipula, 101
lunulata NIELSEN, Gonomyia, 302
lunulicornis (SCHUMMEL), Nephrotoma, 76
lurida (LOEW), Rhabdomastix, 316
luridiventris ZETTERSTEDT, Tipula, 146
luridoides ALEXANDER, Rhabdomastix, 316
luridorostris SCHUMMEL, Tipula, 135
lutea LACKSCHEWITZ, Dicranomyia, 338
lutea (MEIGEN), Dicranomyia, 333
lutea (MEIGEN), Dicranomyia, 337
lutea MEIGEN, Erioptera, 254
lutea SAVCHENKO, ssp., Rhipidia, 368
lutea GMELIN, [Tipula], 174
lutea BECHER, Trichocera, 34
luteata (MEIGEN), ssp., Nephrotoma, 72
luteibasis (ALEXANDER), Prionolabis, 234
luteiclavata ALEXANDER, Erioptera, 258
luteicolor (ALEXANDER), Dicranota, 193
luteicornis ALEXANDER, Erioptera, 255
luteicorporis ALEXANDER, Tipula, 100
luteicostalis ALEXANDER, Dictenidia, 62
luteicostalis ALEXANDER, Hexatoma, 240
luteipennis ALEXANDER, Crypteria, 247
luteipennis GOETGHEBUER, Dicranomyia, 337
[luteipennis (OSTEN SACKEN), Pseudolimnophila, 235]
luteipennis MEIGEN, Tipula, 129
luteipleura ALEXANDER, Gonomyia, 303
luteobasalis SAVCHENKO, Tipula, 135
luteola ALEXANDER, Dicranota, 194
lutescens LUNDSTRÖM, Chionea, 245
lutescens LACKSCHEWITZ, Dicranomyia, 333
lutescens FABRICIUS, Tipula, 92
lutescens GMELIN, [Tipula], 174
lyrion THEISCHINGER, Tipula, 113

mabelana (ALEXANDER), ssp., Symplecta, 264
mabelanoides SAVCHENKO, Erioptera, 254
macaronesica SAVCHENKO, Tipula, 145
macarta ALEXANDER, Tipula, 135
macciana EDWARDS, Tipula, 113
macedonica SIMOVA, Tipula, 120
Macgregoromyia ALEXANDER, 68
machidai (ALEXANDER), Hoplolabis, 271
machidai (ALEXANDER), Microlimonia, 366
machidai ALEXANDER, Tipula, 163
machidana ALEXANDER, Dicranoptycha, 297
machidana ALEXANDER, Ormosia, 290
machidella ALEXANDER, Cladura, 246
mackenziei (DAHL), Trichocera, 34
[macquarti (ENDERLEIN), Hexatoma, 237]
macquarti BECKER, Tipula, 113
[macquartii GUÉRIN-MÉNEVILLE, Leptotarsus, 67]
macra (LOEW), Tanyptera, 88
macra SAVCHENKO, Tipula, 93
macracantha ALEXANDER, Dicranota, 194
macracantha ALEXANDER, Paradelphomyia, 207
macracanthus SAVCHENKO, Molophilus, 279
macraeformis (MATSUMURA), Tanyptera, 88

- macrocauda* PIERRE, Tipula, 109
macrocephala LINNAEUS, [Tipula], 174
macrocera SAVCHENKO, ssp., Phylidorea, 227
macrocera ZETTERSTEDT, Tipula, 143
Macrolabina SAVCHENKO, subg., 227
macrolabis LOEW, Tipula, 100
macropeliostigma MANNHEIMS, Tipula, 113
macrophthalma LOEW, Erioptera, 253
Macroptera LIOY, 185
macroptera (MACQUART), Ula, 186
macropteryx (TJEDER), Idioptera, 222
 [macropyga ZWICK, Blepharicera, 43]
macropyga SAVCHENKO, Tipula, 113
macroselene STROBL, Tipula, 113
macrostigma (SCHUMMEL), Limonia, 359
macrostyla SAVCHENKO, Tipula, 135
macrotrichiata (ALEXANDER), Adelphomyia, 216
macrotrichiata ALEXANDER, Tipula, 130
macroura (SIEBKE), Phyllolabis, 205
macrura SIEBKE, Phyllolabis, 205
maculata (LINNAEUS), Dictenidia, 62
maculata (MEIGEN), Eloeoephila, 218
maculata MACQUART, Idioptera, 222
maculata (MEIGEN), Ilisia, 273
maculata (MEIGEN), Nephrotoma, 70
maculata MEIGEN, Rhipidia, 367
maculata DE GEER, Tipula, 170
maculatifrons (PIERRE), Eloeoephila, 217
maculicosta (COQUILLET), Limonia, 360
maculipennis CURTIS, Geranomyia, 355
maculipennis (MACQUART), Geranomyia, 354
maculipennis MIK, Geranomyia, 354
maculipennis (MEIGEN), Limonia, 360
maculipennis MEIGEN, Trichocera, 35
maculosa (STROBL), Dicranomyia, 345
maculosa (MEIGEN), Nephrotoma, 70
maculosa GMELIN, [Tipula], 174
maderensis (WOLLASTON), Dicranomyia, 337
maderensis (VAN DER WULP), Nephrotoma, 71
maderensis LACKSCHEWITZ, ssp., Tipula, 146
magnicauda LUNDSTRÖM, Dicranomyia, 347
magnicauda STROBL, Tipula, 113
 [magnicornis ENDERLEIN, Tipulodina, 178]
magnifica LOEW, Ctenophora, 59
 [maharaja (ALEXANDER), Idiocera, 310]
maiya SAVCHENKO, Tipula, 113
major STROBL, Chionea, 244
 [major ALEXANDER, Elephantomyia, 320]
major BISCHOFF, Liponeura, 47
major EDWARDS, Trichocera, 35
majorina (ALEXANDER), Prionolabis, 234
majuscula PIERRE, Dicranomyia, 351
majuscula (ALEXANDER), Paradelphomyia, 207
malaisei ALEXANDER, Tipula, 136
malickyi MENDL et TJEDER, Baeoura, 251
malickyi ZWICK, Liponeura, 49
malickyi MARTINOVSKÝ, Nephrotoma, 76
malickyi (MENDL), Rhypholophus, 293
malickyiana MENDL, Tasiocera, 295
mallophora ALEXANDER, Tipula, 152
mallorca THEISCHINGER, Tipula, 113
Malpighia ENDERLEIN, 83
Manaliella KAUL, 54
 [manaliella (KAUL), Horaia, 54]
manca ALEXANDER, Tipula, 113
 [manicata (DOANE), Ormosia, 286]
manifestus (WALKER), Ellipteroides, 298
mannheimsi SAVCHENKO, Dicranota, 187
mannheimsi (MENDL), Hoplolabis, 271
mannheimsi ZWICK, Liponeura, 49
mannheimsi SAVCHENKO, Nephrotoma, 78
mannheimsi LINDNER, ssp., Pedicia, 201
mannheimsi SAVCHENKO, Prionocera, 84
mannheimsi THEOWALD, Tipula, 145
mannheimsi NIELSEN, Phyllolabis, 205
manschukuensis (MANNHEIMS), Neohapalothrix, 51
marci LINNAEUS, [Tipula], 174
margarita ALEXANDER, Discobola, 352
marginalis FOURCROY, [Tipula], 174
marginata (MACQUART), Limonia, 363
marginata FOURCROY, [Tipula], 174
marginata MEIGEN, Tipula, 163
marginella THEOWALD, Tipula, 163
marginepunctata VON ROSER, Limnobia, 369
Marginomyia MEIGEN, 296
mariana SELIGO, Dicranomyia, 337
marina (PIERRE), Symplecta, 265

- marini* ERHAN-DINČA, *Gonomyia*, 303
marmorata (MEIGEN), *Eloeophila*, 218
marmorata GEOFFROY, [Tipula], 174
marmorata MEIGEN, Tipula, 142
[marmoratipennis] BRUNETTI, Tipula, 98
martinovskiy STARÝ, *Dicranota*, 190
martynovi ALEXANDER, *Limnophila*, 223
martynovi ALEXANDER, *Nephrotoma*, 76
masakii ALEXANDER, *Hexatoma*, 240
maculatifrons (PIERRE), *Eloeophila*, 217
masoni (EDWARDS), *Limonia*, 360
matris ZWICK, *Liponeura*, 49
matsumuriana ALEXANDER, Tipula, 136
mattheyi GEIGER, *Dicranomyia*, 337
mattheyi THEOWALD et DUFOUR, ssp., Tipula, 143
maurus LACKSCHEWITZ, *Molophilus*, 279
maxima BRODSKIJ, *Bibiocephala*, 42
maxima (AGRELL), *Euphyllidorea*, 221
maxima PODA, Tipula, 93
mayerduerei: authors, Tipula, 136
mayerduerii EGGER, Tipula, 136
mediana YANG et YANG, *Tanyptera*, 89
mediodorsalis (TOKUNAGA), *Dicranomyia*, 345
mediodentata ALEXANDER, Tipula, 96
mediofila ALEXANDER, *Hexatoma*, 240
mediofiligera SAVCHENKO, *Baeoura*, 251
medioflava OOSTERBROEK, *Nephrotoma*, 76
mediofusca ALEXANDER, *Erioptera*, 255
mediolobata ALEXANDER, ssp., Tipula, 129
medioproducta ALEXANDER, *Nephrotoma*, 76
Mediotipula PIERRE, subg., 125
mediovittata MIK, Tipula, 156
mediterranea LACKSCHEWITZ, *Dicranomyia*, 344
mediterranea (LACKSCHEWITZ), *Paradelphomyia*, 207
mediterranea LACKSCHEWITZ, Tipula, 151
medius DE MEIJERE, *Molophilus*, 279
megacauda ALEXANDER, *Cladura*, 246
megacauda ALEXANDER, *Dicranomyia*, 347
megacauda (ALEXANDER), ssp., *Diogma*, 181
megacera ALEXANDER, *Cylindrotoma*, 180
megalatlantica (VAILLANT), *Liponeura*, 49
megaleuca ALEXANDER, Tipula, 94
megaplagiata ALEXANDER, *Dicranota*, 187
megapygia (ALEXANDER), *Phyllidorea*, 230
megapygos LACKSCHEWITZ, *Dicranomyia*, 347
Megarhina LEPELETIER et SERVILLE, 320
megastylata ALEXANDER, ssp., *Dactylolabis*, 213
megaura (ALEXANDER), *Arctoconopa*, 250
meigeni (ZETTERSTEDT), *Symplecta*, 263
meigeni MANNHEIMS, Tipula, 139
meigenii (VERRALL), *Euphyllidorea*, 220
meijerei EDWARDS, *Erioptera*, 255
melaleuca ALEXANDER, *Limnophila*, 223
melampodia (LOEW), *Arctoconopa*, 250
melampodia ALEXANDER, Tipula, 94
melanacaena (ALEXANDER), *Dicranomyia*, 337
melanantha SAVCHENKO, *Dicranomyia*, 337
melanocephala FABRICIUS, [Tipula], 174
melanoceros SCHUMMEL, Tipula, 130
melanogaster (MUSCHAMP), *Nigrotipula*, 83
Melanolimonia ALEXANDER, subg., 348
melanommata (ALEXANDER), *Phyllidorea*, 230
melanonotalis ALEXANDER, Tipula, 168
melanopsis FOURCROY, [Tipula], 174
melanoptera (LACKSCHEWITZ), *Eloeophila*, 218
melanorhyncha SAVCHENKO, *Gonomyia*, 306
melanota ALEXANDER, *Pilaria*, 231
melanothrix SAVCHENKO et THEISCHINGER, Tipula, 114
melanura (LACKSCHEWITZ), *Phyllidorea*, 230
melanura SAVCHENKO, *Pseudolimnophila*, 235
mellea SCHUMMEL, Tipula, 114
melleicauda ALEXANDER, *Dicranomyia*, 347
melpomene MANNHEIMS, Tipula, 114
Melusina MEIGEN, 33
membranifera ALEXANDER, Tipula, 130
memnon ALEXANDER, *Molophilus*, 279
mendax (ALEXANDER), *Indotipula*, 67
mendax (ALEXANDER), *Metalimnobia*, 364
mendli STARÝ, *Cheilotrichia*, 267
mendli SAVCHENKO, *Prionolabis*, 234
mendli MARTINOVSKÝ, Tipula, 114
mendli DAHL, *Trichocera*, 36

- meridiana MENDL, Cheilotrichia, 266
 meridiana MENDL, Dicranota, 193
 meridiana (STAEGER), Palaria, 231
meridionalis VAILLANT, Liponeura, 47
meridionalis RONDANI, Spyloptera, 369
 mesacantha ALEXANDER, ssp., Tipula, 132
 mesasiatica SAVCHENKO, Dicranota, 194
 Mesocyphona OSTEN SACKEN, subg., 257
 Mesodictenidia MATSUMURA, subg., 87
Mesomyites COCKERELL, 260
mesosternata ALEXANDER, Dicranomyia, 333
 mesosternatoides ALEXANDER, Dicranomyia, 337
 messaurea MENDL, Limonia, 360
 Metalimnobia MATSUMURA, 364
Metatrichocera DAHL, subg., 34
 Meterioptera ALEXANDER, subg., 257
micans ZETTERSTEDT, Tipula, 134
 [*michigana* (ALEXANDER), Dicranomyia, 347]
 microcera ALEXANDER, Nephrotoma, 76
microdentata BANGERTER, Gonomyia, 33
 microdonta ALEXANDER, Cheilotrichia, 268
 Microlimonia SAVCHENKO, 365
 micronychia LACKSCHEWITZ, Dicranomyia, 337
 micropeliostigma MANNHEIMS, Tipula, 114
 microphallus ALEXANDER, Cladura, 247
 microspila ALEXANDER, Limnophila, 223
microstigma PIERRE, Tipula, 126
 microstyla SAVCHENKO, Ormosia, 290
 microtrichiata (ALEXANDER), Cheilotrichia, 268
 microxantha ALEXANDER, Rhabdomastix, 316
 middendorffi LACKSCHEWITZ, Tipula, 136
 mikado (WESTWOOD), Holorusia, 67
 mikado (ALEXANDER), Liogma, 181
miki (NOWICKI), Hexatoma, 242
 mikiana LACKSCHEWITZ, Dicranota, 190
 mikiana BERGROTH, Tipula, 126
 miliaria (EGGER), Eloephila, 218
mima SAVCHENKO, Tipula, 115
mimica ALEXANDER, Tipula, 158
minae NIELSEN, Gonomyia, 302
 minensis ALEXANDER, Hexatoma, 240
 minensis ALEXANDER, Tipula, 153
 minicola ALEXANDER, Rhabdomastix, 316
 minima (SAVCHENKO), Afrolimnophila, 217
 minima (STROBL), Cheilotrichia, 268
 minima MENDL, Tasiocera, 295
 minor KITAKAMI, ssp., Bibiocephala, 42
 minor DE MEJERE, Erioptera, 255
minor BISCHOFF, Liponeura, 46
 minor BISCHOFF, ssp., Liponeura, 47
 minor KITAKAMI, ssp., Philorus, 52
 minos THEISCHINGER, Tipula, 114
 [minuscula (ALEXANDER), Cheilotrichia, 268]
 minuscula ALEXANDER, ssp., Dicranota, 194
minuscula (EDWARDS), Neolimnomyia, 225
 minuscula (MANNHEIMS), Nephrotoma, 76
 minuscula SAVCHENKO, Tipula, 145
minuta TAHVONEN, Chionea, 244
 minuta LACKSCHEWITZ, Dicranota, 190
 minuta (LACKSCHEWITZ), Erioptera, 257
 minuta TONNOIR, Ptychoptera, 372
minuta (PORTSCHINSKY), Tanyptera, 89
 minuta MÜLLER, [Tipula], 174
minuta SAVCHENKO, Tipula, 129
 minuta TOKUNAGA, Trichocera, 36
 minuticornis ALEXANDER, Antocha, 324
 minuticornis ALEXANDER, Atarba, 236
 minuticornis (ALEXANDER), Diogma, 181
 minuticornis ALEXANDER, Nephrotoma, 76
 minutissima LINNÉ, [Tipula], 174
 mirabilis EDWARDS, Deuterophlebia, 55
 mirabilis SAVCHENKO, Dicranoptycha, 298
 mirabilis ALEXANDER, Lipsotrix, 313
 mirabilis ALEXANDER, Trichocera, 34
misabana ALEXANDER, Tipula, 163
 misakana ALEXANDER, Tipula, 163
 mishimai (ALEXANDER), Eloephila, 218
 mishimana (ALEXANDER), Dicranomyia, 337
 mitis (MEIGEN), Dicranomyia, 337
 [mitocera ALEXANDER, Tipula, 150]
 mitophora ALEXANDER, Tipula, 136
 Mixolimnomyia SAVCHENKO, subg., 226
 mixta STARÝ, Ula, 185
 miyadaii ALEXANDER, Tipula, 96
 miyamotoui TAKAHASHI, ssp., Ctenophora, 60
 miyatakei ALEXANDER, Dictenidia, 62

- mobilis* (ALEXANDER), *Austrolimnophila*, 210
modesta (MEIGEN), *Dicranomyia*, 338
 [modesta (OSTEN SACKEN), *Dicranota*, 192]
modesta (SAVCHENKO), *Dolichopeza*, 65
modesta (LACKSCHEWITZ), *Phylidorea*, 230
modesta MACQUART, *Tipula*, 114
modica SAVCHENKO, *Gonomyia*, 303
 [modica DIETZ, *Ormosia*, 286]
moesta RIEDEL, *Tipula*, 163
mohriana ALEXANDER, *Tipula*, 145
moiwana ALEXANDER, *Discobola*, 352
moiwana (MATSUMURA), *Tipula*, 130
mokanensis ALEXANDER, ssp., *Tipula*, 128
mokanica ALEXANDER, *Dactylolabis*, 213
mokrzhitskiae (SAVCHENKO), *Savchenkoiana*, 202
mollissima HALIDAY, *Ula*, 185
 MOLOPHILINI, 265
Molophilus CURTIS, 274
Molophilus CURTIS, subg., 274
monacantha (ALEXANDER), *Achyrolimonia*, 330
monacantha ALEXANDER, *Cladura*, 247
monacanthus ALEXANDER, *Molophilus*, 279
mongolica (LACKSCHEWITZ), *Symplecta*, 264
mongolica ALEXANDER, *Tipula*, 164
Mongoma WESTWOOD, subg., 318
moniliformis DOANE, *Dicranomyia*, 338
monilis LINNAEUS, [Tipula], 174
monochroa SAVCHENKO, *Tipula*, 162
monoctenia (ALEXANDER), *Rhipidia*, 367
monoptera LINNAEUS, [Tipula], 174
monostromia (TOKUNAGA), *Dicranomyia*, 338
monstrabilis THEISCHINGER, *Tipula*, 114
monstrosa BANGERTER, *Cheilotrichia*, 266
monstrosa (SAVCHENKO), *Dactylolabis*, 211
monstrosus MENDL, *Molophilus*, 279
monstruosa BRODSKIJ, *Tianshanella*, 53
 [montana (OSTEN SACKEN), *Dactylolabis*, 210]
 [montana TONNOIR, *Horaia*, 54]
montana (MEIGEN), *Ormosia*, 292
montana CURTIS, *Tipula*, 156
montanus (KITAKAMI), *Agathon*, 41
montanus MENDL, *Molophilus*, 279
montifer THEISCHINGER, *Tipula*, 114
montium EGGER, *Tipula*, 163
montivaga SAVCHENKO, ssp., *Tipula*, 160
moravica MARTINOVSKÝ, *Nephrotoma*, 77
moravica STARÝ, *Ormosia*, 290
morenae STROBL, *Tipula*, 114
morigera ALEXANDER, *Tipula*, 165
morio (FABRICIUS), *Dicranomyia*, 349
moriokana (MATSUMURA), *Hexatoma*, 240
morosa SAVCHENKO, ssp., *Tipula*, 112
morula (ALEXANDER), *Hexatoma*, 240
motatrix LINNAEUS, [Tipula], 174
motitatrix LINNAEUS, [Tipula], 174
multiarmata (ALEXANDER), *Idiocera*, 310
multibarbata ALEXANDER, *Tipula*, 99
multicincta SANTOS ABREU, *Trichocera*, 35
multicolor GMELIN, [Tipula], 174
multidentata ALEXANDER, *Antocha*, 324
multidentata SAVCHENKO, *Ormosia*, 290
multidentata (ALEXANDER), ssp., *Phylidorea*, 230
multilobatus SAVCHENKO, *Molophilus*, 279
multipecta BECKER, *Tipula*, 145
multipuncta ALEXANDER, *Geranomyia*, 354
multipunctata SAVCHENKO, *Idiocera*, 309
multiserrata (ALEXANDER), *Hoplolabis*, 271
multisetosa ALEXANDER, *Tipula*, 99
multisetosus SAVCHENKO, *Atypophthalmus*, 331
multistrigata ALEXANDER, *Tipula*, 168
mundata (LOEW), *Eloeophila*, 218
mundella (ALEXANDER), *Phylidorea*, 230
mupinensis ALEXANDER, *Tipula*, 136
murina (ZETTERSTEDT), *Dicranomyia*, 347
murina (GOETGHEBUER), *Ormosia*, 291
murina (MEIGEN), *Tasiocera*, 295
murina PREYSSLER, [Tipula], 174
muscula (SCHMID), *Tasiocera*, 295
musensis THEISCHINGER, *Tipula*, 114
mutica DAHL, *Trichocera*, 36
mutila WAHLGREN, *Tipula*, 136
mutiloides ALEXANDER, *Tipula*, 136
mystica ALEXANDER, *Tipula*, 127
mystica CEDERHJELM, [Tipula], 174
mystrophorus BANGERTER, *Molophilus*, 282
nakamurai ALEXANDER, *Molophilus*, 279

- nana* STARY, Ormosia, 290
nana MACQUART, Tipula, 170
nana SAVCHENKO, Tipula, 145
nankaidoensis (ALEXANDER), Dicranomyia, 349
nansei ALEXANDER, Gonomyia, 303
nantaisana ALEXANDER, Ormosia, 290
Nasiterna WALLENGREN, 196
Nasiternella WAHLGREN, 196
naso THEISCHINGER, Tipula, 110
nasuta OOSTERBROEK, Nephrotoma, 77
naumanni THEISCHINGER, Tipula, 114
nausicaa MANNHEIMS, Tipula, 115
naviculifer ALEXANDER, Tipula, 99
nawai KARIYA, Pedicia, 201
nawaianus ALEXANDER, Helius, 321
neavocetta (ALEXANDER), Geranomyia, 354
nebulifera ALEXANDER, Rhabdomastix, 316
nebulipennis ALEXANDER, Antocha, 324
nebulipennis ALEXANDER, ssp., Dicranota, 189
nebulosa (ALEXANDER), Achyrolimonia, 330
nebulosa (ZETTERSTEDT), Limonia, 358
[nebulosa (DE MEIJERE), Paradelphomyia, 206]
necopina ALEXANDER, Gonomyia, 303
neglecta (LACKSCHEWITZ), Cheilotrichia, 268
Nematocera MEIGEN, 237
nemoralis SAVCHENKO, Limonia, 360
nemoralis (MEIGEN), Neolimnomyia, 225
nemorensis (SANTOS ABREU), Cheilotrichia, 268
neoconsors ALEXANDER, Dicranota, 194
Neohapalothrix KITAKAMI, 50
neoidigena ALEXANDER, Limonia, 360
Neolimnomyia SÉGUY, 224
Neolimnomyia SÉGUY, subg., 226
Neolimnophila ALEXANDER, 248
Neolimonia ALEXANDER, 366
neomunda (ALEXANDER), Prionolabis, 234
neonebulosa (ALEXANDER), Achyrolimonia, 330
neopratensis ALEXANDER, Nephrotoma, 77
neopulchripennis (ALEXANDER), Dicranomyia, 338
nepalensis (WESTWOOD), Hexatoma, 240
Nephrotoma MEIGEN, 69
nervosa EDWARDS, Lipsotrix, 313
nervosa (SCHUMMEL), Phylidorea, 230
nervosa MEIGEN, Tipula, 136
nervosa SCHRANK, [Tipula], 174
nesioticus ALEXANDER, Molophilus, 279
nesomorio ALEXANDER, Dicranomyia, 349
Nesopeza ALEXANDER, subg., 64
neurotica MANNHEIMS, Tipula, 136
neutra THEISCHINGER, Tipula, 115
nevadensis ZWICK, Liponeura, 49
nicothoe ALEXANDER, Tipula, 130
nielseni DE MEIJERE, Erioptera, 255
nielseni (KUNTZE), Paradelphomyia, 207
nielseni (SLÍPKA), ssp., Pedicia, 199
nielseni MANNHEIMS, Phyllolabis, 205
nielseni MANNHEIMS et THEOWALD, Tipula, 145
niethammeri MANNHEIMS, Tipula, 94
nigdeensis BISCHOF, Tipula, 115
niger GOETGHEBUER, Molophilus, 279
[nigra KITAKAMI, Apistomyia, 53]
nigra MACQUART, Erioptera, 254
nigra LATREILLE, Hexatoma, 243
[nigra: authors, Hexatoma, 237]
nigra VERRALL, Limonia, 360
nigra (LINNAEUS), Nigrotipula, 83
nigra DE GEER, [Tipula], 174
nigrata MÜLLER, [Tipula], 174
nigrella ALEXANDER, Limonia, 360
nigrescens (LACKSCHEWITZ), Limonia, 360
nigrescens LACKSCHEWITZ, Molophilus, 279
nigrescens (LACKSCHEWITZ), Neolimnophila, 248
nigribasis ALEXANDER, Antocha, 324
nigricans MACQUART, Limnobia, 369
nigricauda ALEXANDER, Nephrotoma, 77
nigriceps (TJEDER), Ctenophora, 60
nigricollis (MEIGEN), Phylidorea, 230
nigricolor ALEXANDER, Protohelius, 322
nigricolor ALEXANDER, Ulomorpha, 236
nigricornis (MEIGEN), Tanyptera, 89
nigricornis MACQUART, Tipula, 140
nigricornis SCHRANK, [Tipula], 174
nigricornis STROBL, Tipula, 124
nigricornis ZETTERSTEDT, Tipula, 97

- nigricoxa* (LUNDSTRÖM), Phoroctenia, 83
nigricuspis ALEXANDER, ssp., Limonia, 359
nigrilobata (ALEXANDER), Idiocera, 310
nigrilunae (TOKUNAGA), Prionolabis, 234
nigrina (MEIGEN), Euphylidorea, 220
nigrina SAVCHENKO, Nephrotoma, 71
nigrina (LACKSCHEWITZ), Paradelphomyia, 208
nigripalpis GOETGHEBUER, Erioptera, 256
nigripennis ALEXANDER, Ormosia, 293
nigripes ALEXANDER, Cylindrotoma, 180
[nigripilus (OSTEN SACKEN), Ormosia, 292]
nigrirostris (GIMMERTHAL), Limonia, 363
nigristigma NIELSEN, Dicranomyia, 347
nigristigma EDWARDS, Lipsotrix, 313
nigrithorax ENDERLEIN, Pselliophora, 86
nigritorus (ALEXANDER), Dicranomyia, 338
nigriventris LOEW, Cylindrotoma, 180
nigroannulata STROBL, Tipula, 111
nigroantennata SAVCHENKO, Tipula, 94
nigroapicalis (ALEXANDER), Cheilotrichia, 268
nigroapicata ALEXANDER, Rhabdomastix, 316
nigrobasalis ALEXANDER, Ctenophora, 59
nigrobasalis ALEXANDER, Tipula, 115
nigrocellula ALEXANDER, Tipula, 130
nigrocostata ALEXANDER, Tipula, 157
nigrocrocea (DE GEER), Ctenophora, 61
nigrofasciata (BRULLÉ), Tanyptera, 89
nigrofemorata (ALEXANDER), Prionolabis, 233
nigrohalterata EDWARDS, Nephrotoma, 77
nigrohalterata (ALEXANDER), Symplecta, 263
nigrolamina ALEXANDER, Tipula, 164
[nigrolatera (ALEXANDER), Baeoura, 250]
nigronitida ALEXANDER, Limonia, 360
nigronotata (SIEBKE), Phylidorea, 227
nigropolitus ALEXANDER, Molophilus, 284
nigropunctata (SCHUMMEL), Limonia, 360
nigropunctata (AGRELL), Palaria, 231
nigrosignata ALEXANDER, Tipula, 168
nigrostylata (ALEXANDER), Cheilotrichia, 268
nigrostylata ALEXANDER, Nephrotoma, 77
Nigrotipula HUTSON et VANE-WRIGHT, 83
nigrotrochanterata (ALEXANDER), Hexatoma, 240
nigrotuberculata SAVCHENKO, Gonomyia, 303
nigrovana OOSTERBROEK, ssp., Nephrotoma, 82
nikkoensis TAKAHASHI, Ctenophora, 60
nikkoensis ALEXANDER, Tipula, 130
nimba (ALEXANDER), Holorusia, 67
nimbicolor ALEXANDER, Paradelphomyia, 208
nimbipennis ALEXANDER, Triogma, 182
[ningmingensis YANG et YANG, Pselliophora, 87]
Ninguis WALLENGREN, 327
Niphadobata ENDERLEIN, 244
nippoalpina ALEXANDER, Dicranota, 188
nippoalpina ALEXANDER, Ormosia, 293
nippoalpina ALEXANDER, Tipula, 168
Nippolimnophila ALEXANDER, 226
nipponensis ALEXANDER, Bittacomorphella, 371
nipponensis ALEXANDER, Cladura, 247
nipponensis (ALEXANDER), Hexatoma, 240
nipponensis (ALEXANDER), Helius, 321
nipponensis ALEXANDER, Paracladura, 33
nipponensis (ALEXANDER), Paradelphomyia, 208
nipponensis ALEXANDER, Styringomyia, 260
nipponensis ALEXANDER, Tipula, 130
nipponensis TOKUNAGA, Trichocera, 36
nipponica ALEXANDER, Chionea, 244
nipponica KITAKAMI, Deuterophlebia, 55
nipponica ALEXANDER, Dicranota, 188
nipponica (ALEXANDER), Tipulodina, 178
Nipponomyia ALEXANDER, 197
Nippotipula MATSUMURA, subg., 126
nitida MIK, Dolichopeza, 64
nitida (VERRALL), Limonia, 360
nitida MÜLLER, [Tipula], 175
nitidicollis (MEIGEN), Paradelphomyia, 208
nitidicollis STROBL, Tipula, 126
[nitidus COQUILLET, Molophilus, 284]
nivalis SAVCHENKO, Tipula, 145
[niveitarsis (OSTEN SACKEN), Euphylidorea, 220]

- nivia (BRODSKIJ), Asioreas, 41
 nobilis LOEW, Lipsothrix, 313
 nocticolor ALEXANDER, Molophilus, 279
 nocticostata ALEXANDER, Tipula, 168
 nocturna SAVCHENKO, Tipula, 115
 [nodicornis (OSTEN SACKEN), Liogma, 181]
 nodicornis LACKSCHEWITZ, Molophilus, 279
 nodicornis MEIGEN, Tipula, 127
 nodulifer SAVCHENKO, Molophilus, 280
 nodulosa (BRULLÉ), Nephrotoma, 81
 nodulosa (MACQUART), Ormosia, 290
 nohirae MATSUMURA, Ctenophora, 59
 nohirae (MATSUMURA), Tipula, 164
 nohirai ALEXANDER, Libnotes, 356
 nominata ALEXANDER, Limonia, 361
 norikurae ALEXANDER, Pedicia, 198
 noscibilis (EDWARDS), Neolimnomyia, 225
 [notabilis ALEXANDER, Dicranota, 188]
 notata LINNAEUS, [Tipula], 175
 nova (MEIGEN), Dicranomyia, 338
 nova WALKER, Tipula, 164
 novaezembiae (ALEXANDER), Dactylolabis, 213
 novaezembiae (ALEXANDER), Symplecta, 264
 [novboracensis ALEXANDER, Gonomyia, 307]
 [novem KAUL, Philorus, 52]
 novemmaculata (STROBL), Dicranomyia, 334
 nox (RIEDEL), Nephrotoma, 77
 nubecula KUNTZE, Dactylolabis, 213
 nubeculosa (BURMEISTER), Hexatoma, 243
 nubeculosa MEIGEN, Limonia, 361
 nubeculosa MEIGEN, Tipula, 157
 nubifera COQUILLET, Tipula, 126
 nubila (SCHUMMEL), Cheilotrichia, 267
 nubila SAVCHENKO, Tipula, 157
 nubilosa HARRIS, Tipula, 93
 nubipennis (RONDANI), Ormosia, 291
 nudicellula SAVCHENKO, Tipula, 137
 nudicornis (SCHUMMEL), Phalacrocer, 182
 nudivena ALEXANDER, Hexatoma, 241
 nudivena ALEXANDER, Orimarga, 328
 Numantia BIGOT, subg., 350
 nyblaei ZETTERSTEDT, Erioptera, 255
 nycteris ALEXANDER, Gnophomyia, 301
 nymphica ALEXANDER, Brithura, 58
 Nymphomyia TOKUNAGA, 374
 NYMPHOMYIIDAE, 373
 oberstdorfiensis BISCHOFF, Liponeura, 47
 obesistyla (ALEXANDER), Geranomyia, 354
 obliterated ALEXANDER, Tipula, 100
 obliterated (ALEXANDER), Helius, 321
 obscura STROBL, Antocha, 326
 obscura (SANTOS ABREU), Cheilotrichia, 268
 obscura STROBL, Geranomyia, 354
 obscura (MEIGEN), Hexatoma, 243
 obscura (PEUS), Ptychoptera, 372
 obscura STROBL, Tipula, 103
 obscuricornis (BELING), Atyopophthalmus, 331
 obscurinervis WAHLGREN, Tipula, 140
 obscuripes (ZETTERSTEDT), Arctoconopa, 250
 obscuriventris STROBL, Tipula, 99
 obscurus (MEIGEN), Molophilus, 280
 obscurus LACKSCHEWITZ, Molophilus, 281
 obsoleta MEIGEN, Limnobia, 369
 obsoleta MEIGEN, Tipula, 145
 obsoletus LACKSCHEWITZ, Molophilus, 280
 obtusiapex (SAVCHENKO), ssp., Hoplolabis, 272
 obtusidens SAVCHENKO, ssp., Tipula, 159
 obtusirama (SAVCHENKO), Hoplolabis, 271
 obtusistyla (STARÝ), Rhypholophus, 293
 obtusiuscula LACKSCHEWITZ, Tipula, 125
 occidentalis VAILLANT, Liponeura, 47
 occidua EDWARDS, Dicranomyia, 349
 occipitalis (LOEW), Nephrotoma, 77
 occoecata EDWARDS, Ilisia, 273
 occulta (MEIGEN), Pedicia, 198
 occultus DE MEIJERE, Molophilus, 280
 ocellare (LINNAEUS), Epiphragma, 214
 ochotana SAVCHENKO, Tipula, 137
 ochracea (MEIGEN), Austrolimnophila, 210
 ochracea MEIGEN, Tipula, 113
 ochraceus (MEIGEN), Molophilus, 280
 ochrescens EDWARDS, Molophilus, 276
 ochripes (ALEXANDER), Dicranomyia, 338
 ocreata (SCHRANK), Ptychoptera, 373
 Octavia BIGOT, 252

- octavia* (ALEXANDER), Idiocera, 310
octoapiculata (SAVCHENKO), Idiocera, 311
octolineata ZETTERSTEDT, Tipula, 154
octomaculata SAVCHENKO, Tipula, 137
octopunctata THUNBERG, [Tipula], 175
octospinosa ALEXANDER, Gonomyia, 304
odai (ALEXANDER), Prionolabis, 234
Odonatisca SAVCHENKO, subg., 127
odontostyla SAVCHENKO, Gonomyia, 304
odontostyla SAVCHENKO, Tipula, 145
officiosa ALEXANDER, Ormosia, 291
okadai ALEXANDER, Molophilus, 280
oklandi ALEXANDER, Tipula, 96
oldenbergi LACKSCHEWITZ, Molophilus, 280
Olecranopelma ENDERLEIN, 197
oleracea LINNAEUS, Tipula, 151
oligosticta (EDWARDS), Eloeoephila, 219
omeiana (ALEXANDER), ssp., Dicranomyia, 333
omeiana ALEXANDER, Hexatoma, 241
omeiana ALEXANDER, Nephrotoma, 77
omeiana (ALEXANDER), Tricyphona, 203
omeicola ALEXANDER, Gymnastes, 308
omeicola ALEXANDER, Tipula, 100
omeiensis ALEXANDER, Gonomyia, 304
omeiensis ALEXANDER, Paracladura, 33
omeiensis ALEXANDER, Stibadocerella, 182
omeiensis ALEXANDER, Styringomyia, 260
omeiensis ALEXANDER, Tipula, 94
omeina ALEXANDER, Orimarga, 328
omeina ALEXANDER, Rhabdomastix, 314
ominosa (ALEXANDER), Prionocera, 84
omissa SCHINER, Elliptera, 327
omissinervis DE MEIJERE, Dicranomyia, 338
omissus (LACKSCHEWITZ), Ellipteroides, 300
omniflava ALEXANDER, Limonia, 361
omogiana ALEXANDER, Nippolimnophila, 226
omogicola ALEXANDER, Tipula, 130
omogoensis ALEXANDER, Gonomyia, 304
omogoensis ALEXANDER, ssp., Lipsothrix, 314
omogoensis (ALEXANDER), Microlimonia, 366
ompoana ALEXANDER, Dicranota, 194
ompoensis ALEXANDER, Tipula, 164
oncerodes ALEXANDER, Tipula, 94
ontakeana (ALEXANDER), ssp., Dicranomyia, 335
ontakeana ALEXANDER, Ormosia, 288
ontakensis ALEXANDER, Dicranota, 194
onusta RIEDEL, Tipula, 115
oorschotorum THEISCHINGER, Tipula, 115
opaca SAVCHENKO, Dactylolabis, 213
opaca MIK, Dolichopeza, 63
opaca (EGGER), Pedicia, 198
opaca SIEBKE, Tipula, 112
opacithorax SAVCHENKO, ssp., Tipula, 125
opacus (MEIGEN), Molophilus, 281
opalizans: authors, Antocha, 326
ophidia ALEXANDER, Dicranota, 190
opilionimorpha SAVCHENKO, Tipula, 157
opinata ALEXANDER, Tipula, 168
optabilis ALEXANDER, Tricyphona, 203
optanda ALEXANDER, Tipula, 157
orbitalis ALEXANDER, Erioptera, 255
orbitalis (RIEDEL), Nephrotoma, 76
oreada ALEXANDER, Tipula, 115
Oreomyza POKORNY, 131
Oreophila LACKSCHEWITZ, subg., 285
orientalis BRUNETTI, Erioptera, 255
orientalis LACKSCHEWITZ, Tipula, 151
orientobifida SAVCHENKO, Ormosia, 291
Orimarga OSTEN SACKEN, 327
Orimargula MIK, subg., 326
Ormosia RONDANI, 285
Ormosia RONDANI, subg., 286
ornata MEIGEN, Ctenophora, 59
ornata (MEIGEN), Dicranomyia, 339
ornata THEOWALD et OOSTERBROEK, Tipula, 145
ornatula (LACKSCHEWITZ), Idiocera, 311
ornithogona THEISCHINGER, Tipula, 115
Oropeza NEEDHAM, subg., 65
[oropezoides] HOHNSON, Tipula, 152
[orophila] (ALEXANDER), Tricyphona, 203
Orosmya RONDANI, 369
orthophallus (ALEXANDER), Idiocera, 311
oscillans HALIDAY, Dicranomyia, 334
osellai THEOWALD, Tipula, 137
osmana MANNHEIMS, Tipula, 115
ostensackeni WESTHOFF, Dicranomyia, 334

- [ostensackeni SKUSE, Rhabdomastix, 314]
 otiosa ALEXANDER, Tipula, 168
 oxyacanthae SCHRANK, [Tipula], 175
 oxybeles ALEXANDER, Gonomyia, 302
 Oxydiscus DE MEIJERE, 206
 Oxyrhiza DE MEIJERE, subg., 206
 ozenumensis ALEXANDER, Nephrotoma, 77
- pabulina (MEIGEN), Limonia, 361
 pabulina MEIGEN, Tipula, 137
 pachyprocta LOEW, Tipula, 115
 Pachyrrhina MACQUART, 69
 pachyrrhina PIERRE, Tipula, 114
 Pachyrina MACQUART, 69
 Pachyrrhina: authors, 69
 padana DUFOUR, Tipula, 137
 pagana MEIGEN, Tipula, 145
 Palaeogonomyia MEUNIER, subg., 314
 Palaeopetaurista SÉGUY, 33
 Pales MEIGEN, 69
 palifera MANNHEIMS, Tipula, 115
 pallens LACKSCHEWITZ, Dicranota, 190
 pallens (LOEW), Hoplolabis, 271
 pallens (ALEXANDER), Idiocera, 311
 pallens SAVCHENKO, ssp., Pedicia, 200
 pallescens SCHRANK, [Tipula], 175
 pallida LACKSCHEWITZ, Antocha, 323
 pallida (BELING), Austrolimnophila, 210
 pallida SAVCHENKO, ssp., Dicranomyia, 334
 pallida OOSTERBROEK, Nephrotoma, 77
 pallida SAVCHENKO, Pedicia, 198
 pallida FABRICIUS, [Tipula], 175
 pallidella ALEXANDER, Antocha, 324
 pallidellus ALEXANDER, Heterangaeus, 196
 pallidibasis ALEXANDER, ssp., Dicranoptycha, 296
 pallidibasis ALEXANDER, ssp., Hexatoma, 241
 [pallidicornis EDWARDS, Atarba, 236]
 pallidicornis SAVCHENKO, Tipula, 115
 pallidicosta SAVCHENKO, ssp., Dicranota, 189
 pallidicosta PIERRE, Tipula, 157
 pallidipes ALEXANDER, Dicranota, 189
 pallidipes ALEXANDER, Molophilus, 280
 pallidipleura ALEXANDER, Limonia, 361
 pallidissimus ALEXANDER, Helius, 322
 pallidithorax SAVCHENKO, Tipula, 115
 pallidivena ALEXANDER, Erioptera, 255
 pallidula SANTOS ABREU, Dicranomyia, 342
 pallipennis (MACQUART), Molophilus, 280
 pallipes FABRICIUS, [Tipula], 175
 pallirostris EDWARDS, Helius, 322
 pallitergata ALEXANDER, Tipula, 158
 [pallitibia YANG et YANG, Pselliophora, 87]
 palloris (COQUILLET), Nephrotoma, 77
 palmata ALEXANDER, Elephantomyia, 319
 palmensis (SANTOS ABREU), Geranomyia, 354
 palpifer SAVCHENKO, Molophilus, 280
 paludosa (FABRICIUS), Dictenidia, 62
 paludosa MEIGEN, Ptychoptera, 372
 paludosa MEIGEN, Tipula, 151
 palustris LINNAEUS, [Tipula], 175
 pamirensis (ENDERLEIN), Nephrotoma, 77
 pammelas ALEXANDER, Dicranomyia, 339
 pan MANNHEIMS, ssp., Tipula, 113
 pandora MANNHEIMS, Tipula, 115
 pannonia LOEW, Tipula, 115
 pannonica (KOWARZ), Limonia, 361
 pannonica: authors, Tipula, 116
 papposa SAVCHENKO, Gonomyia, 304
 Parablepharocera KITAKAMI, 42
 Paracladura BRUNETTI, 33
 paraconsors ALEXANDER, Dicranota, 194
 paradecipiens ZWICK, Liponeura, 49
 Paradelphomyia ALEXANDER, 206
 Paradelphomyia, ALEXANDER, subg., 208
 PARADELPHOMYIINI, 206
 Paradicranota ALEXANDER, subg., 189
 paradoxa HOST, [Tipula], 175
 Parageranomyia SANTOS ABREU, 353
 Paragymnastes ALEXANDER, subg., 308
 paralivescens STARY, Dicranoptycha, 297
 parallela THEISCHINGER, Tipula, 116
 paramorio ALEXANDER, Dicranomyia, 349
 parapelio stigma MANNHEIMS et THEO-WALD, Tipula, 116
 Paraphylidorea SAVCHENKO, subg., 228
 Paraptychoptera TONNOIR, 371
 pararecticornis SAVCHENKO et THEISCHINGER, Tipula, 116
 parasimurg SAVCHENKO, Tipula, 116
 Paratropesa SCHINER, subg., 317

- paravelox* THEISCHINGER, Tipula, 116
parchomenkoi SAVCHENKO, Ilisia, 273
Parilisia SAVCHENKO, subg., 270
parisiensis THUNBERG, [Tipula], 175
parnonensis THEISCHINGER, ssp., Tipula, 105
Parormosia ALEXANDER, subg., 292
partialis YANG et YANG, Dictenidia, 62
parumpunctata (STORM), Eriocnopa, 269
[parva EDWARDS, Nephrotoma, 78]
parva (SIEBKE), Rhabdomastix, 316
parva (PORTSCHINSKY), Tanyptera, 90
parva LOEW, Tipula, 170
parva MEIGEN, Trichocera, 36
parvicauda HANSEN, Tipula, 146
parvicornis ALEXANDER, Polymera, 232
parviloba (ALEXANDER), Dicranomyia, 349
parvincisa (ALEXANDER), Dicranomyia, 349
parvincisa ALEXANDER, Tipula, 162
parvinotata (BRUNETTI), ssp., Nephrotoma, 80
parvipennis ALEXANDER, Limonia, 361
parvirostra ALEXANDER, Nephrotoma, 78
parvispinosa ALEXANDER, Gonomyia, 306
parvispinula (ALEXANDER), Discobola, 352
parviuncinata SAVCHENKO, Dicranota, 191
patagiata ALEXANDER, Tipula, 164
patens LUNDSTRÖM, Dicranomyia, 339
patens ALEXANDER, Pedicia, 199
patricia STARÝ, Dicranomyia, 339
paucispinus ALEXANDER, Molophilus, 280
pauli GEIGER, Dicranomyia, 344
pauli MANNHEIMS, Tipula, 137
pauliani (SÉGUY), Dicranomyia, 349
pauliani (SÉGUY), Symplecta, 265
pauper SAVCHENKO, Molophilus, 280
paupera SAVCHENKO, ssp., Tipula, 118
paupercula ALEXANDER, Dicranomyia, 339
pauperior KUNTZE, Rhipidia, 368
pauzilla SAVCHENKO, Tipula, 158
pavida (HALIDAY), Dicranota, 191
[pavonia (OSTEN SACKEN), Epiphragma, 214]
pechlaneri MENDEL, Dactylolabis, 213
pechlaneri MANNHEIMS et THEOWALD, Tipula, 146
pectinata (GMELIN), Dictenidia, 62
pectinata MACQUART, Ptychoptera, 373
pectinata ALEXANDER, Tricypophona, 203
pectinicornis (LINNAEUS), Ctenophora, 61
pedella DE GEER, [Tipula], 175
pederi TJEDER, Erioptera, 255
pedicellaris ALEXANDER, Tipula, 137
pedicellata EDWARDS, Dicranomyia, 351
Pedicia LATREILLE, 197
Pedicia LATREILLE, subg., 200
 PEDICIINAE, 185
 PEDICIINI, 186
pegasus ALEXANDER, Molophilus, 280
pelidne MANNHEIMS, Tipula, 116
pelio stigma SCHUMMEL, Tipula, 116
pelma MANNHEIMS, Tipula, 116
Pelmia ENDERLEIN, 51
pelopea MANNHEIMS, Tipula, 116
Pelosia RONDANI, 369
pendens HARRIS, [Tipula], 175
pendula ALEXANDER, Tipula, 116
penelope MANNHEIMS, Tipula, 116
penicillata ROSSI, [Tipula], 175
penita (ALEXANDER), Dicranomyia, 349
pennicornis LINNAEUS, [Tipula], 175
pennipes (OSTEN SACKEN), Trentepohlia, 318
pentacantha ALEXANDER, Nipponomyia, 197
pentagonalis (LOEW), Scleroprocta, 260
pentasticta (EDWARDS), Eloeophila, 219
Penthoptera SCHINER, 238
perangusta ALEXANDER, Tanyptera, 88
perbeata ALEXANDER, Limonia, 361
[percara ALEXANDER, Tipula, 137]
percommoda ALEXANDER, Tipula, 168
perdistincta ALEXANDER, Dicranota, 189
perductilis (ALEXANDER), Baeoura, 251
peregrinator (ALEXANDER), Symplecta, 262
perelegans ALEXANDER, Ula, 185
perferox ALEXANDER, Molophilus, 280
perflaveolus ALEXANDER, Molophilus, 281
[pergrata ALEXANDER, Tipula, 131]
perjocosa ALEXANDER, Ctenophora, 61
perlata ALEXANDER, Limnophila, 223
perlata ALEXANDER, Tipula, 168
perlugubris ALEXANDER, Erioptera, 258
pernigrina ALEXANDER, Hexatoma, 241

- pernigrina ALEXANDER, Limonia, 361
 pernigrita (ALEXANDER), Phylidorea, 227
 perobliqua ALEXANDER, Nephrotoma, 78
 perobtusa (ALEXANDER), Dicranomyia, 344
Peronecera CURTIS, 237
 perornata ALEXANDER, Erioptera, 258
 perpallens (ALEXANDER), Idiocera, 311
 perproducta ALEXANDER, Hexatoma, 243
 perproducta ALEXANDER, Nippolimnophila, 226
perpulcher (HARRIS), Nephrotoma, 72
 perreducta ALEXANDER, Neolimnophila, 248
 persalsa (ALEXANDER), Eloeoephila, 218
perserotina (ALEXANDER), Dicranomyia, 341
 persessilis ALEXANDER, Dicranota, 194
 persessilis ALEXANDER, Erioptera, 258
 persessilis (ALEXANDER), Holorusia, 67
 persica ALEXANDER, Pedicia, 199
 persicariae LINNÉ, [Tipula], 175
 persignata ALEXANDER, Dasymallomyia, 295
 persignata ALEXANDER, Tipula, 146
 persordida SAVCHENKO, Dicranomyia, 344
 persplendens ALEXANDER, Tipula, 149
 pertenua OOSTERBROEK, ssp., Nephrotoma, 70
 pertenuis ALEXANDER, Tipula, 137
 pertinax ALEXANDER, Tipula, 94
 perturbatus (ALEXANDER), Ellipteroides, 299
Petaurista MEIGEN, 33
PETAURISTIDAE, 31
 peteri THEISCHINGER, Tipula, 117
petiolata (ZETTERSTEDT), Nephrotoma, 71
 peusi JOOST, Ptychoptera, 372
 phaedina (ALEXANDER), Tipula, 127
 phaeoleuca ALEXANDER, Tipula, 94
 phaeopasta ALEXANDER, Tipula, 137
 phaeostigma (SCHUMMEL), Euphylidorea, 221
 phaidra MANNHEIMS, Tipula, 117
 Phalacroceras SCHINER, 181
 phalaenoides LINNAEUS, [Tipula], 175
 phallosomica ALEXANDER, Dicranoptycha, 297
 Philorus KELLOG, 51
 phlebotomus (SCHMID), Tasiocera, 295
 phoenicia THOMAS et DIA, Antocha, 324
 phoenissa MANNHEIMS, Tipula, 116
 phoinix SAVCHENKO, Erioptera, 256
 Phoroctenia COQUILLET, 83
 phragmitidis (SCHRANK), Limonia, 361
 phryganopterus KOLENATI, Rhypholophus, 294
 phryne ALEXANDER, Tipula, 137
 Phylidorea BIGOT, 227
 Phylidorea BIGOT, subg., 228
 PHYLLOLABINI, 204
 Phyllolabis OSTEN SACKEN, 204
picea (STROBL), Diazosma, 32
 piceus BECKER, Ellipteroides, 299
picta (MEIGEN), Nephrotoma, 76
 [picticornis OSTEN SACKEN, Atarba, 236]
picticornis (ZETTERSTEDT), Tipula, 129
picticornis ZETTERSTEDT, Tipula, 148
 pictifemoratus ALEXANDER, Molophilus, 281
 pictipennis (PORTSCHINSKY), Dictenidia, 62
 pictipennis (MEIGEN), Limnophila, 224
pictipennis STAEGER, Tipula, 134
 pictipennis ALEXANDER, ssp., Trichocera, 35
 pictitibia ALEXANDER, Molophilus, 281
 pictivena ALEXANDER, Phyllolabis, 205
pictum (FABRICIUS), Epiphragma, 214
 picturata ALEXANDER, Antocha, 325
 picturata ALEXANDER, Neolimnophila, 248
 pielis ALEXANDER, Hexatoma, 241
 pieliana ALEXANDER, Hexatoma, 241
 pieltaini EDWARDS, Molophilus, 281
 pierreii TONNOIR, Tipula, 164
 pietatis (ALEXANDER), ssp., Phylidorea, 229
 Pilaria SINTENIS, 231
 pilata ALEXANDER, Nephrotoma, 78
 pilicauda (SAVCHENKO), Nephrotoma, 78
 pilicauda PIERRE, Tipula, 117
pilicornis (ZETTERSTEDT), Pilaria, 231
 pilicornis FABRICIUS, [Tipula], 175
 pilicornis FABRICIUS, [Tipula], 175
 pilifer (ALEXANDER), Adelphomyia, 216
pilipennis (EGGER), Dicranomyia, 350
pilipennis (STROBL), Paradelphomyia, 208
 pilipes (FABRICIUS), Symplecta, 265
 pilosa PIERRE, Ctenophora, 60
 pilosa (SCHUMMEL), Ula, 186

- [pilosella (OSTEN SACKEN), Ulomorpha, 236]
- pilosula (ALEXANDER), Prionolabis, 234
- pingi ALEXANDER, Tipula, 137
- pini DE GEER, [Tipula], 175
- pinnicornis LINNAEUS, [Tipula], 175
- pinnifer THEISCHINGER, Tipula, 117
- pirinensis STARÝ, Ormosia, 291
- piscataquis (ALEXANDER), Dicranomyia, 347
- pjotri TANGELDER, Nephrotoma, 78
- placida (MEIGEN), Neolimnophila, 248
- plagiota ALEXANDER, Tipula, 114
- platycantha ALEXANDER, Tipula, 94
- platyfrons (KOMÁREK), Liponeura, 50
- platyglossa ALEXANDER, ssp., Tipula, 127
- platymera ALEXANDER, Dicranota, 194
- platyphallus ALEXANDER, Antocha, 325
- platyptera MACQUART, Limnobia, 369
- platyptera (MACQUART), Prionolabis, 233
- platysoma (ALEXANDER), ssp., Dicranomyia, 349
- platysoma (ALEXANDER), Hexatoma, 241
- platyspatha ALEXANDER, ssp., Tipula, 162
- Platytipula MATSUMURA, subg., 128
- Platytopia LIOY, 266
- platyura FABRICIUS, [Tipula], 175
- plebeia (MEIGEN), Neolimnomyia, 225
- Plectromyia OSTEN SACKEN, subg., 192
- pleskei ALEXANDER, Hexatoma, 241
- pleuralis DE MEIJERE, Molophilus, 281
- pleurolineatus STARÝ, Molophilus, 281
- pleuromaculata ALEXANDER, Nephrotoma, 78
- plicata MEIGEN, Tipula, 145
- plicata MÜLLER, [Tipula], 175
- plicata PIERRE, Tipula, 147
- plitviciensis SIMOVA, Tipula, 138
- plumbea ALEXANDER, ssp., Elephantomyia, 319
- plumbea FABRICIUS, Tipula, 151
- plumbea FOURCROY, [Tipula], 175
- plumicornis FABRICIUS, [Tipula], 175
- plumicornis GMELIN, [Tipula], 175
- plunipes THUNBERG, [Tipula], 175
- plumosa LINNAEUS, [Tipula], 175
- pluricoma ALEXANDER, Dolichopeza, 66
- pluto ALEXANDER, Helius, 322
- plutonius (ALEXANDER), Libnotes, 355
- Podoneura BERGROTH, subg., 262
- [poeciloptera OSTEN SACKEN, Libnotes, 356]
- Poecilostola SCHINER, 222
- pokomyi MANNHEIMS, Tipula, 117
- polaris (RIEDEL), Dicranota, 188
- polaruralensis THEOWALD, Tipula, 138
- poli (ALEXANDER), Dicranomyia, 339
- poliocephala ALEXANDER, Tipula, 165
- poliochroa (ALEXANDER), Prionolabis, 234
- polionota ALEXANDER, Helius, 322
- politonigra SAVCHENKO, Beringomyia, 251
- politonigra ALEXANDER, Tipula, 152
- politonigrus SAVCHENKO, Molophilus, 281
- politostrata ALEXANDER, Limnophila, 224
- politostrata ALEXANDER, Tipula, 168
- pollex ALEXANDER, Tipula, 138
- polycanthus ALEXANDER, Molophilus, 281
- polydeukes THEISCHINGER, Tipula, 117
- polygama PALLAS, [Tipula], 175
- polyhymnia THEISCHINGER, Tipula, 112
- Polymeda MEIGEN, 252
- Polymera WIEDEMANN, 232
- polymera ALEXANDER, Dicranota, 194
- Polymoria: ALEXANDER, 208
- polypogon ALEXANDER, Tipula, 113
- Polygraphia MEIGEN, 252
- polytricha ALEXANDER, Tipula, 152
- polytricha ALEXANDER, Ulomorpha, 236
- pomonae FABRICIUS, [Tipula], 176
- ponojensis LUNDSTRÖM, Dicranomyia, 348
- pontica LACKSCHEWITZ, Dicranomyia, 339
- pontica (SAVCHENKO), ssp., Hoplolabis, 272
- pontica ZWICK, Liponeura, 49
- pontica SAVCHENKO, Tipula, 138
- ponticus SAVCHENKO, Molophilus, 281
- popoffi ALEXANDER, Tipula, 96
- populea SCHRANK, [Tipula], 176
- porrecta ALEXANDER, ssp., Cladura, 246
- portschinskyi (ENDERLEIN), ssp., Tanyptera, 89
- posthabita (BERGROTH), Dactylolabis, 211
- posticata ALEXANDER, Hexatoma, 241
- postposita RIEDEL, Tipula, 146
- postrema (ALEXANDER), Hoplolabis, 272

- praecisa* ALEXANDER, Dicranota, 195
praecisa ALEXANDER, Ormosia, 291
praecox LOEW, Tipula, 117
praelata (ALEXANDER), Cheilotrichia, 268
praeusta (SCHUMMEL), Phylidorea, 229
pratensis (LINNAEUS), Nephrotoma, 78
pratensis DE GEER, Tipula, 151
pratorum (MEIGEN), Euphyllidorea, 221
prava (ALEXANDER), Beringomyia, 251
priapoides STARÝ, Molophilus, 281
priapus LACKSCHEWITZ, Molophilus, 281
pribilofensis ALEXANDER, Tipula, 127
principalis ALEXANDER, Gonomyia, 304
Prionocera LOEW, 84
Prionolabis OSTEN SACKEN, 232
prionolaboides (ALEXANDER), Adelphomyia, 216
[pristina BRUNETTI, Stibadocerella, 182]
[pristomera (ALEXANDER), Dicranomyia, 341]
Proantocha ALEXANDER, subg., 326
procliva ALEXANDER, Tipula, 138
[productiva (ALEXANDER), Rhipidia, 366]
profrassi THEISCHINGER, Tipula, 117
profesta ALEXANDER, Ormosia, 291
profunda ALEXANDER, Dicranota, 195
profunda ALEXANDER, Nephrotoma, 78
Progonomyia ALEXANDER, subg., 299
Prolipophleps SAVCHENKO, subg., 307
prolixicornis (LUNDSTRÖM), Austrolimnophila, 209
prolongata ALEXANDER, Dicranoptycha, 297
prolongata ALEXANDER, Tipula, 168
Promolophilus ALEXANDER, subg., 284
propensa (ALEXANDER), Symplecta, 263
propinquus (EGGER), Molophilus, 281
ptopior ALEXANDER, Limonia, 362
Protanyderus HANDLIRSCH, 38
Protanyptera SAVCHENKO, 88
Protogonomyia ALEXANDER, subg., 299
Protohelius ALEXANDER, 322
protrusa (ALEXANDER), Achyrolimonia, 330
protrusa ALEXANDER, Tipula, 165
provecta ALEXANDER, Ula, 186
proxima (KUNTZE), Limonia, 360
proxima LACKSCHEWITZ, Prionocera, 85
proximus MENDL, Molophilus, 282
prudencia ALEXANDER, Limonia, 362
pruinosa (MACQUART), Limnophila, 224
pruinosa ALEXANDER, Orimarga, 328
pruinosa WIEDEMANN, Tipula, 165
przewalskii (LACKSCHEWITZ), Idiocera, 311
przewalskii SAVCHENKO, ssp., Tanyptera, 89
Pselliophora OSTEN SACKEN, 86
Pseuderioptera ALEXANDER, 262
pseudocinerascens STROBL, Tipula, 117
pseudocinerea STARÝ, Dicranoptycha, 297
pseudocrassiventris THEOWALD, Tipula, 138
pseudogigantea STROBL, ssp., Tipula, 94
Pseudoglochina ALEXANDER, subg., 351
Pseudogonomyia SANTOS ABREU, 309
pseudogyne ALEXANDER, Tipula, 122
pseudohortensis LACKSCHEWITZ, ssp., Tipula, 136
pseudoirrorata GOETGHEBUER, Tipula, 138
pseudojucunda (PIERRE), Idiocera, 309
pseudolateralis (BANGERTER), Ellipteroides, 299
pseudolateralis TONNOIR, Tipula, 164
Pseudolimnophila ALEXANDER, 235
pseudolunata THEISCHINGER, Tipula, 117
pseudomorio ALEXANDER, Dicranomyia, 349
pseudopeliostigma MANNHEIMS, Tipula, 117
pseudopropinquus MENDL, Molophilus, 282
pseudopruinosa STROBL, Tipula, 138
pseudoscripta PIERRE, Tipula, 157
pseudosimilis (LUNDSTRÖM), Ormosia, 291
pseudovariipennis CZIŽEK, Tipula, 138
pseudowolfi THEISCHINGER, Tipula, 117
Psiloconopa ZETTERSTEDT, subg., 262
psyllia SCHRANK, [Tipula], 176
Pterelachisus RONDANI, subg., 131
pterographa ALEXANDER, Antocha, 325
pteromaculata THEOWALD, DUFOUR et OOSTERBROEK, ssp., Tipula, 143
[pterotricha ALEXANDER, Hexatoma, 241]
pterotricha ALEXANDER, Tipula, 130
Ptilostena BERGROTH, 308
[ptilostenella (ALEXANDER), Ellipteroides, 300]
Ptilostenodes ALEXANDER, subg., 300
Ptychoptera MEIGEN, 371
PTYCHOPTERIDAE, 370

- pubescens* LOEW, Prionocera, 84
pubipennis LACKSCHEWITZ, Phyllolabis, 205
pudibunda SAVCHENKO, Tipula, 97
puella ALEXANDER, Libnotes, 356
pulchella (MEIGEN), Idioptera, 222
pulchricornis VON BLOCK, [Tipula], 176
pulchripennis (LOEW), Idiocera, 311
[pulchripes (ALEXANDER), Dicranomyia, 351]
pulicaris LINNÉ, [Tipula], 176
pulla (MEIGEN), Triogma, 182
pullata ALEXANDER, Limonia, 362
pullata (ALEXANDER), Nephrotoma, 78
pullata SAVCHENKO, ssp., Tipula, 158
pullus LACKSCHEWITZ, Molophilus, 282
pulverosus (MATSUMURA), Leptotarsus, 68
punctata (EDWARDS), Idiocera, 311
punctata (LACKSCHEWITZ), Idiocera, 310
punctata (SCHRANK), Limnophila, 224
punctata FOURCROY, [Tipula], 176
punctata MÜLLER, [Tipula], 176
punctatum (MEIGEN), Epiphragma, 214
punctigera (LACKSCHEWITZ), Hoplolabis, 272
punctigera (WALKER), Limonia, 362
punctigera (LACKSCHEWITZ), Symplecta, 262
punctipennis PIERRE, Dicranomyia, 342
punctipennis (EDWARDS), Dicranota, 195
punctipennis (MEIGEN), Symplecta, 264
punctiplena MIK, Rhipidia, 368
[punctulata DE MEIJERE, Dicranomyia, 339]
punctum (MEIGEN), Adelphomyia, 216
pupivaga SCHRANK, [Tipula], 176
[pusilla ZWICK, Blepharicera, 44]
pusilla SAVCHENKO, Chionea, 244
pusilla (KUNTZE), Eloephila, 219
pusilla (LACKSCHEWITZ), Gonomyia, 306
pusilla (LACKSCHEWITZ), Microlimonia, 366
pusilla (SCHINER), Symplecta, 263
pusilla LINNÉ, [Tipula], 176
pusilla MACQUART, Tipula, 170
pusillus EDWARDS, Molophilus, 282
pustulata PIERRE, Tipula, 117
putris LINNAEUS, [Tipula], 176
pygmaea (DODONOV), Nephrotoma, 76
pygmaea SAVCHENKO, Paradelphomyia, 208
pygmaea (MACQUART), Tasiocera, 295
pyrenaee (BERGROTH), Hexatoma, 242
pyrenaee (BOURNE), Chionea, 245
pyrenaee THEOWALD, ssp., Tipula, 155
pyrenaica VAILLANT, Liponeura, 46
pyrenaica (PIERRE), Nephrotoma, 81
pyrenaica (VERRALL), Tricyphona, 203
pyri FABRICIUS, [Tipula], 176
pythia THEISCHINGER, Tipula, 117
qinghaiensis YANG et YANG, Nephrotoma, 78
quadra (MEIGEN), Dicranomyia, 333
quadrata (EDWARDS), Neolimnomyia, 225
[quadratrata ALEXANDER, Hexatoma, 241]
quadratrata ALEXANDER, Tipula, 118
quadridentis (SAVCHENKO), Ellipteroides, 300
quadridentata SAVCHENKO, Tipula, 118
quadrifaria (MEIGEN), Nephrotoma, 79
quadrifasciata GMELIN, [Tipula], 176
quadrifasciata MATSUMURA, Tipula, 131
quadrifasciculata (ALEXANDER), Holorusia, 67
quadrifila ALEXANDER, Gonomyia, 306
quadrihamata SAVCHENKO, Dicranota, 188
quadrihamata SAVCHENKO, Erioptera, 256
quadriloba SAVCHENKO, Tipula, 97
quadrilobata SAVCHENKO, Gonomyia, 308
quadrimaculata SANTOS ABREU, Geranomyia, 354
quadrinaculata (LINNAEUS), Metalimnobia, 364
quadrinacrea ALEXANDER, Nephrotoma, 79
quadrinodia SCOPOLI, [Tipula], 176
quadrinotata (MEIGEN), Metalimnobia, 365
quadrispicata (ALEXANDER), Indotipula, 67
quadristriata (SCHUMMEL), Nephrotoma, 79
quadrivittata (ALEXANDER), Antocha, 326
quadrivittata (SIEBKE), Arctoconopa, 250
quadrivittata EDWARDS, Pselliophora, 87
quadrivittata STAEGER, Tipula, 165
quadrivittata (LIOY), Ula, 186
quatuormaculata (MEIGEN), Metalimnobia, 365
querula ALEXANDER, Tipula, 130

- quinquespinis THEISCHINGER, Tipula, 118
 quinquevittatus (SANTOS ABREU), Atyphothalmus, 331
 quiris ALEXANDER, Tipula, 130

 racovitzai BURGHELE-BĂLĂCESCO, Chionea, 244
 radha ALEXANDER, Tipula, 94
 radialis ALEXANDER, Dicranota, 189
 radialis (ALEXANDER), Geranomyia, 354
 [*rahlaea* (KAUL), Blepharicera, 44]
 ramulifera SAVCHENKO, Antocha, 325
 ramulifera TJEDER, Nephrotoma, 79
 rauschorum THEISCHINGER, Tipula, 118
 recta TONNOIR, Gonomyia, 304
 recta TJEDER, Prionocera, 84
 rectangularis ALEXANDER, Ormosia, 291
 rectangularis SAVCHENKO, ssp., Tipula, 101
 recticauda SAVCHENKO, Tipula, 165
 recticornis SCHUMMEL, Tipula, 118
 rectidens (ALEXANDER), Dicranomyia, 339
 rectispina ALEXANDER, Antocha, 325
 [*rectispina* (ALEXANDER), Cheilotrichia, 267]
 rectispina ALEXANDER, Nephrotoma, 79
 recurvalis ALEXANDER, Cladura, 247
 recurvans (ALEXANDER), Prionolabis, 234
 recurvinervis (BERGROTH), Idiocera, 311
 recurvinervis (ALEXANDER), Libnotes, 357
 recurvispina SAVCHENKO, Dicranoptycha, 297
 reducta BANGERTER, Gonomyia, 307
 reducta (ALEXANDER), Paradelphomyia, 208
 reductiloba SAVCHENKO, Pedicia, 198
 reductispina SAVCHENKO, Rhipidia, 368
 reductissima (ALEXANDER), Dicranomyia, 339
 regelationis (LINNAEUS), Trichocera, 36
 regia RIEDEL, Nasiternella, 196
 [regina ALEXANDER, Hexatoma, 241]
 regina ALEXANDER, Libnotes, 357
 reitteri MIK, Dicranota, 191
 relictia (SAVCHENKO), Nephrotoma, 79
 relictia DIA et THEOWALD, Tipula, 158
 remissa ALEXANDER, Ormosia, 291
 remota (WALKER), Lipsothrix, 313
 renate THEISCHINGER, Tipula, 118
 repanda (ALEXANDER), Nephrotoma, 79
 repanda LOEW, Tipula, 94
 repentina MANNHEIMS, Tipula, 94
 repentinus STARÝ, Molophilus, 282
 reperta (WALKER), Dicranomyia, 349
 replicata (LINNAEUS), Phalacrocer, 182
 repugnans ALEXANDER, Tipula, 168
 resupina ALEXANDER, Tipula, 138
 retenta ALEXANDER, Nephrotoma, 80
 reticulata (ALEXANDER), Idiocera, 309
 reticulata FOURCROY, [Tipula], 176
 retroflexa BANGERTER, Dicranomyia, 345
 retrograda SAVCHENKO, Dactylolabis, 213
 retrograda (ALEXANDER), Dicranomyia, 348
 retrorsa SAVCHENKO, Dicranota, 188
 reversa ALEXANDER, Tipula, 165
 Rhabdomastix SKUSE, 314
 Rhamphidia MEIGEN, 320
 Rhaphidolabina ALEXANDER, subg., 192
 Rhaphidolabis OSTEN SACKEN, 193
 Rhicnoptila NOWICKI, 211
 Rhipidia MEIGEN, 366
 Rhipidia MEIGEN, subg., 367
 [rhizosema (SPEISER), Libnotes, 355]
 rhodia LOEW, Dactylolabis, 213
 rhodolivida THEOWALD, Tipula, 118
 rhynchos THEISCHINGER, Tipula, 118
 Rhypholophus KOLENATI, 293
 riedeli LACKSCHEWITZ, Erioptera, 256
 riedeli (LACKSCHEWITZ), Pedicia, 199
 riedeli SAVCHENKO, Protanyderus, 38
 riedeli MANNHEIMS, Tipula, 165
 riedeliana MANNHEIMS, Tipula, 158
 rielii PIERRE, Tipula, 141
 rifensis THEOWALD et OOSTERBROEK, Tipula, 94
 ringdahli TJEDER, Prionocera, 85
 riparia MÜLLER, [Tipula], 176
 ripicola GÉRARD, Palaria, 232
 ripicolus GACHET, Molophilus, 278
 [rivularis OSTEN SACKEN, Dicranota, 189]
 rivosia (LINNAEUS), Pedicia, 201
 robusta LUNDSTRÖM, Dicranota, 191
 robusta (WAHLGREN), Phylidorea, 228
 robusta (BANGERTER), Tasiocera, 295
 rocina THEISCHINGER, Tipula, 118

- rohdendorfi MAKARCHENKO, Nymphomyia, 374
Rondania BIGOT, 369
 rongtoensis ALEXANDER, Tipula, 158
 rorida LACKSCHEWITZ, Dicranota, 191
 rossica (RIEDEL), Nephrotoma, 80
 rostrata MENDEL, Dicranota, 191
 rostrata LATREILLE, [Tipula], 176
 rostrifera SAVCHENKO, Ormosia, 291
 [rostrifera EDWARDS, Rhipidia, 366]
 rothschildi EDWARDS, Molophilus, 282
 rubi SCHRANK, [Tipula], 176
 rubicunda SAVCHENKO, Tipula, 97
 rubida SANTOS ABREU, Geranomyia, 353
 [rubiginosa LOEW, Holorusia, 66]
 rubripes SCHUMMEL, Tipula, 157
 rubriventris (SAVCHENKO), Nephrotoma, 80
 rubzovi (SAVCHENKO), Angarotipula, 58
 rudis ALEXANDER, Tipula, 118
 rufescens EDWARDS, Cylindrotoma, 180
 rufescens WESTHOFF, Tipula, 170
 rufescens EDWARDS, Trichocera, 36
 [rufibasis (OSTEN SACKEN), Prionolabis, 232]
 ruficauda (ZETTERSTEDT), Ormosia, 291
 ruficollis FABRICIUS, [Tipula], 176
 ruficornis (SCHUMMEL), Dicranota, 188
 ruficornis (MEIGEN), Tanyptera, 89
 rufina MEIGEN, Tipula, 146
 rufipennis (ALEXANDER), Prionolabis, 234
 rufipennis MEIGEN, Tipula, 137
 rufipes LINNAEUS, [Tipula], 176
 rufiventris (STROBL), Dicranomyia, 350
 rufizona EDWARDS, Tipula, 100
 rufopicea (WESTHOFF), Nigrotipula, 83
 rufula SAVCHENKO, ssp., Dolichopeza, 64
 rufula SAVCHENKO, Neolimnomyia, 226
 rufula MANNHEIMS et THEOWALD, Tipula, 118
 rugulosa MANNHEIMS et THEOWALD, Tipula, 118
 rumpfi MANNHEIMS et THEOWALD, Tipula, 132
 ruralis (MEIGEN), Palaria, 231
 russula THEISCHINGER, ssp., Tipula, 111
 rutila SAVCHENKO, Tipula, 118
 Sacandaga ALEXANDER, subg., 315
 saccai (MANNHEIMS), Nephrotoma, 80
 saccai MANNHEIMS, Tipula, 158
 sacerdotula RIEDEL, Tipula, 118
 sachalina ALEXANDER, Dicranomyia, 339
 sachalina (ALEXANDER), Hoplolabis, 272
 sachalina ALEXANDER, Nephrotoma, 80
 sachalinensis (ALEXANDER), Hexatoma, 241
 sachalinensis (ALEXANDER), Idiocera, 311
 sachalinensis (MATSUMURA), Limonia, 363
 sachalinensis ALEXANDER, Tipula, 132
 sackeni EDWARDS, Pselliophora, 86
 sadoensis ALEXANDER, Rhabdomastix, 316
 sagana ALEXANDER, Antocha, 325
 saghaliensis ALEXANDER, Nephrotoma, 80
 saginata BERGROTH, Tipula, 99
 saitamae (ALEXANDER), Adelphomyia, 216
 saitamae ALEXANDER, Tipula, 94
 saitamensis ALEXANDER, Dolichopeza, 65
 sajanica JEDLIČKA et HALGOŠ, Deuterophlebia, 55
 sakaguchiana ALEXANDER, Tipula, 157
 Salebria SAVCHENKO, 343
 Salebriella SAVCHENKO, 343
 salicetorum SIEBKE, Tipula, 97
 salicina (BOUCHÉ), Nephrotoma, 72
 salicina SCHRANK, [Tipula], 176
 salicis SCHRANK, [Tipula], 176
 saltator (HARRIS), Trichocera, 36
 saltatrix SAVCHENKO, Tipula, 119
 [saltens (DOLESCHALL), Dicranomyia, 343]
 sancta ALEXANDER, Brithura, 58
 sanguinaria LAMARCK, [Tipula], 176
 sannio (MEIGEN), Nephrotoma, 71
 [santokhi KAUL, Apistomyia, 53]
 sapporensis (ALEXANDER), Phylidorea, 228
 sapporensis ALEXANDER, Trichocera, 36
 saragaminensis ALEXANDER, Tipula, 130
 sarajevensis STROBL, Tipula, 126
 sardiniensis OOSTERBROEK, ssp., Nephrotoma, 71
 sardoa MANNHEIMS, Liponeura, 50
 sardolivida MANNHEIMS et THEOWALD, ssp., Tipula, 112
 sardosignata MANNHEIMS et THEOWALD, Tipula, 146

- sardous ZWICK, Dioptripsis, 45
 sarobiensis (NIELSEN), Idiocera, 311
 satanas SAVCHENKO, Dactylolabis, 213
 satsuma ALEXANDER, Antocha, 325
 satsuma (ALEXANDER), Dolichopeza, 65
 satsuma (WESTWOOD), Eutonia, 221
 satsumicola (ALEXANDER), Adelphomyia, 216
 [satyr ALEXANDER, Tipula, 122]
 sauteri ALEXANDER, Gonomyia, 306
 sauteri DUFOUR, Tipula, 138
 Savchenkoiana KOCAK, 201
 savionis ALEXANDER, Tipula, 138
 savtschenkoi SIMOVA, Tipula, 119
 Savtshenkia ALEXANDER, subg., 141
 Savtshenkoi MANNHEIMS, 141
 savtschenkoi MENDEL, Dicranoptycha, 298
 savtschenkoi STARÝ, Molophilus, 282
 savtschenkoi THEOWALD, Phyllolabis, 205
 sawadai KARIYA, ssp., Pedicia, 201
 sawanoi ALEXANDER, Cladura, 247
 [sayi (JOHNSON), Dolichopeza, 65]
 saxetana SANTOS ABREU, Dicranomyia, 348
 [saxicola OSTEN SACKEN, Antocha, 322]
 saxicola: authors, Antocha, 326
 saxonum (LOEW), Hexatoma, 243
 scalaena SCHRANK, [Tipula], 176
 scalaris (MEIGEN), Nephrotoma, 80
 scandens EDWARDS, Tipula, 158
 scapularis ALEXANDER, Antocha, 325
 scathopse SCHRANK, [Tipula], 176
 schachti MENDEL, Baeoura, 251
 schaeuffelei (MANNHEIMS), Nephrotoma, 80
 schahriari THEOWALD, Dolichopeza, 64
 scheherezadae THEOWALD, Tipula, 130
 schienerii (KOLENATI), Pedicia, 200
 schineri LACKSCHEWITZ, Dicranomyia, 344
 schineri LACKSCHEWITZ, Tipula, 133
 schineriana (ALEXANDER), Dicranomyia, 344
 schistacea LACKSCHEWITZ, Dicranota, 191
 schistacea (SCHUMMEL), Rhabdomastix, 316
 schizorhyncha SAVCHENKO, Tipula, 150
 [schmidi ALEXANDER, Protanyderus, 38]
 schmidi (ALEXANDER), Symplecta, 262
 [schmidi ALEXANDER, Trichocera, 34]
 schmidiana (ALEXANDER), Dicranomyia, 339
 schmidtii MANNHEIMS, Tipula, 94
 schnusei (KUNTZE), Hexatoma, 241
 schranki OOSTERBROEK, Limnophila, 224
 schrenkii (MIK), Idiocera, 311
 schummeli EDWARDS, Tricyphona, 203
 Schummelia EDWARDS, subg., 148
 schummelii (RIEDEL), Nephrotoma, 79
 [sciophila (OSTEN SACKEN), Limonia, 361]
 scitamenta ALEXANDER, Teucholabis, 317
 sciurus THEISCHINGER, Tipula, 119
 Scleroprocta EDWARDS, 259
 scotica (EDWARDS), ssp., Symplecta, 264
 scripta MEIGEN, Tipula, 158
 scurra (MEIGEN), Nephrotoma, 80
 scutellaris MEIGEN, Ptychoptera, 372
 scutellata (STAEGER), Palaria, 232
 scutellatus (EGGER), Ellipteroides, 299
 scutellatus GOETGHEBUER, Molophilus, 282
 scythica SAVCHENKO, Tipula, 134
 secalis BIERKANDER, [Tipula], 176
 seclusa ALEXANDER, Ormosia, 291
 secreta (WALKER), Dicranota, 187
 securifera SAVCHENKO, Dicranota, 191
 seguyi MANNHEIMS, Tipula, 119
 selecta SANTOS ABREU, Gonomyia, 302
 selenaria MANNHEIMS, Tipula, 119
 selene MEIGEN, Tipula, 119
 selenis LOEW, Tipula, 119
 selenitica MEIGEN, Tipula, 119
 semifasciata ALEXANDER, Dictenidia, 62
 semiflava (STROBL), Nephrotoma, 81
 seminigra PANZER, [Tipula], 176
 semiopaca SAVCHENKO, ssp., Tipula, 125
 semipeliostigma MANNHEIMS, Tipula, 119
 semireducta SAVCHENKO, Pedicia, 199
 semivittata SAVCHENKO, Tipula, 158
 sempiterna ALEXANDER, Tipula, 166
 senex HOLMGREN, Tipula, 97
 senilis (HALIDAY), Paradelphomyia, 208
 separata (WALKER), Neolimnomyia, 225
 sepium (VERRALL), Pseudolimnophila, 235
 septemlineata MACQUART, Tipula, 140
 septemtrionalis ALEXANDER, Trentepohlia, 318
 septentrionalis (ALEXANDER), Baeoura, 251
 septentrionalis (ALEXANDER), Ctenophora, 60

- septentrionalis* (TJEDER), Paradelphomyia, 208
septentrionis ALEXANDER, Rhipidia, 368
sera (WALKER), Dicranomyia, 340
serenensis (ALEXANDER), Eloeophila, 219
serenicola (ALEXANDER), Hoplolabis, 272
serenicola ALEXANDER, Prionocera, 85
sericata (MEIGEN), Dicranomyia, 344
sericatus ALEXANDER, Molophilus, 282
sericea (MACQUART), Eriocnopa, 269
sericea LINNÉ, [Tipula], 177
serotina HOLMGREN, Tipula, 142
serpenter EDWARDS, Molophilus, 282
serpentera SAVCHENKO, Gonomyia, 304
serrata SAVCHENKO, Ormosia, 291
serraticornis ALEXANDER, Liogma, 181
serratofalcata (SAVCHENKO), Hoplolabis, 272
serratus SAVCHENKO, Molophilus, 282
serricauda ALEXANDER, Antocha, 326
serricauda ALEXANDER, Tipula, 159
[serricornis] (BRUNETTI), Holorusia, 66
serricornis (ZETTERSTEDT), Prionocera, 85
serridens ALEXANDER, Tipula, 159
serrimargo ALEXANDER, Cladura, 247
serristyla ALEXANDER, Nephrotoma, 78
serrulata (ALEXANDER), Eloeophila, 219
serrulata LACKSCHEWITZ, Tipula, 147
serrulifera (ALEXANDER), Idiocera, 312
serrulifera ALEXANDER, Tipula, 146
sessilis (MACQUART), Austrolimnophila, 210
sessilis EDWARDS, Tipula, 130
seticauda (ALEXANDER), Pedicia, 198
seticellula ALEXANDER, Tipula, 138
seticornis (ALEXANDER), Taiwanomyia, 206
seticosta ALEXANDER, Orimarga, 328
setigera ALEXANDER, Antocha, 325
setigera SAVCHENKO, Tipula, 159
setilobata ALEXANDER, Orimarga, 328
setipennis (ALEXANDER), Pedicia, 198
setosa TJEDER, Prionocera, 85
setuliloba ALEXANDER, ssp., Cladura, 246
sexaculeata ALEXANDER, Erioptera, 256
sexdentata (NIELSEN), Idiocera, 312
sexguttata (DALE), Idiocera, 312
sexlobata SAVCHENKO, Gonomyia, 304
sexlobata ALEXANDER, Tipula, 168
sexmaculata (MACQUART), Dactylolabis, 213
sexnotata (SCHUMMEL), Limonia, 362
sexpunctata (FABRICIUS), Limonia, 360
sexspinosa STROBL, Tipula, 159
shansica ALEXANDER, Rhabdomastix, 316
shansiensis ALEXANDER, Antocha, 325
shantungensis (ALEXANDER), Idiocera, 312
[shardiana] ALEXANDER, Rhabdomastix, 316
sheldoni (ALEXANDER), Symplecta, 264
shennongana YANG et YANG, Tanyptera, 90
shevtschenkoi SAVCHENKO, Tipula, 166
shibakawae MATSUMURA, Tipula, 92
shiitakea NOBUCHI, Ula, 186
shikokuana ALEXANDER, Macgregoromyia, 68
shikokuana (ALEXANDER), Prionolabis, 234
shikokuensis ALEXANDER, Limnophila, 222
shikokuensis ALEXANDER, Symplecta, 261
shinanoensis (ALEXANDER), Dicranomyia, 340
shirahatai ALEXANDER, Cladura, 247
shirakiella (ALEXANDER), Dolichopeza, 65
shirakii (ALEXANDER), Blepharicera, 44
shogun ALEXANDER, Tipula, 99
shomio ALEXANDER, Cladura, 247
shomio ALEXANDER, Tipula, 168
Siagona MEIGEN, 343
siberiensis ALEXANDER, Styringomyia, 260
sibirica PORTSCHINSKY, Ctenophora, 61
sibirica (ALEXANDER), Dicranota, 189
sibirica ALEXANDER, Rhipidia, 368
sibirica EDWARDS, Trichocera, 34
sibiriensis ALEXANDER, Tipula, 139
sicaria ALEXANDER, Dicranota, 188
sichuanensis YANG et YANG, Dictenidia, 63
sicula LACKSCHEWITZ, Gonomyia, 304
siebkei ZETTERSTEDT, Tipula, 126
sigma THEISCHINGER, Tipula, 119
signata BRUNETTI, Dasymallomyia, 296
signata LACKSCHEWITZ, Dicranomyia, 340
signata BANGERTER, Rhabdomastix, 314
signata STAEGER, Tipula, 147
[sikkimensis] ALEXANDER, Protanyderus, 38
sikokuensis KITAKAMI, Philorus, 52
silvicola MEIGEN, Dolichopeza, 63

- silvicola* ZWYRTEK et ROZKOŠNÝ, Ptychoptera, 372
simasimensis KITAKAMI, Philorus, 52
similior (ALEXANDER), Idiocera, 311
similis (STAEGER), Ormosia, 292
similis (SCHUMMEL), Symplecta, 263
similissima (ALEXANDER), Eloeoephila, 219
similissima SAVCHENKO, Gonomyodes, 259
simonyi MIK, Trichocera, 36
simova THEISCHINGER, Tipula, 119
[simplex BRUNETTI, Dicranomyia, 341]
simplex (MEIGEN), Dicranomyia, 338
simplex ALEXANDER, Dicranota, 189
simplex TONNOIR, Gonomyia, 304
simplex (LOEW), Hexatoma, 237
simplicicornis ALEXANDER, Liogma, 181
simplicicornis LUNDSTRÖM, Tipula, 163
simplicicornis ZETTERSTEDT, Tipula, 140
simplicistyla (ALEXANDER), Adelphomyia, 216
simulans LACKSCHEWITZ, Dicranota, 191
simulans SAVCHENKO, ssp., Palaria, 231
simulans (SAVCHENKO), Rhypholophus, 294
simulans SAVCHENKO, Tipula, 147
simulata ALEXANDER, Pedicia, 201
simurg DZHAFAROV et SAVCHENKO, Tipula, 119
sinedente THEISCHINGER, ssp., Tipula, 124
sinensis (EDWARDS), Hexatoma, 241
sinensis (EDWARDS), Nephrotoma, 81
sinensis ALEXANDER, Styringomyia, 261
[singularis (SCHINER), Teucholabis, 317]
sinica ALEXANDER, Tipula, 127
sinoalpina ALEXANDER, Dicranota, 195
Sinoropeza ALEXANDER, Subg., 66
Sinotipula ALEXANDER, subg., 149
sintenisi LACKSCHEWITZ, Tipula, 159
sinuata FABRICIUS, Tipula, 93
sirouana (VAILLANT), Liponeura, 49
sisymbrii SCHRANK, [Tipula], 177
Sivalimnobla ALEXANDER, subg., 351
Sivatipula ALEXANDER, subg., 150
sjoestedti (ALEXANDER), Dicranomyia, 335
[skusei ALEXANDER, Gonomyia, 306]
skylla THEISCHINGER, Tipula, 119
[slossonae (ALEXANDER), Ellipteroides, 299]
socialis MÜLLER, [Tipula], 177
soldatovi ALEXANDER, Limnophila, 224
solita ALEXANDER, Ormosia, 291
solitaria SAVCHENKO, Tipula, 166
solstitialis PALLAS, [Tipula], 177
solstitialis WESTHOFF, Tipula, 164
soosi MANNHEIMS, Tipula, 119
sootryeni (LACKSCHEWITZ), Ormosia, 285
sophiarum ITO, Elephantomyia, 320
sordida BRUNETTI, Dicranomyia, 345
sordida ZETTERSTEDT, Erioptera, 256
sordidipennis (ALEXANDER), Dicranomyia, 345
sororcula (LACKSCHEWITZ), Hoplolabis, 272
sororcula (ZETTERSTEDT), Scleroprocta, 260
sounkyana (ALEXANDER), Prionolabis, 234
sparsa ALEXANDER, Dicranomyia, 340
sparsiguttula (ALEXANDER), Hoplolabis, 272
sparsiseta ALEXANDER, Tipula, 131
spatha OOSTERBROEK, Nephrotoma, 81
spathifera MANNHEIMS, Tipula, 139
spatulifera ALEXANDER, Rhabdomastix, 316
spectabilis ALEXANDER, Heterangaeus, 196
spectata ALEXANDER, Tipula, 169
spectralis ALEXANDER, Crypteria, 248
speculum ZETTERSTEDT, Tipula, 154
Sphaeconophilus BECKER, subg., 244
Sphaeropyga SAVCHENKO, 346
[sphagnicola ALEXANDER, Dicranomyia, 348]
spicata ALEXANDER, Antocha, 323
spicula TANGELDER, Nephrotoma, 81
spina ALEXANDER, Dicranota, 195
spinalonga THEISCHINGER, ssp., Tipula, 117
spinata MÜLLER, [Tipula], 177
spinicauda ALEXANDER, Dicranomyia, 338
spinicauda PIERRE, Tipula, 105
spinifer ALEXANDER, Antocha, 326
spinifer LACKSCHEWITZ, Molophilus, 283
spinifera (SAVCHENKO), Erioptera, 257
spinifera STARY, Pedicia, 199
spinifera SAVCHENKO, ssp., Tipula, 134
spinosa (NIELSEN), Hoplolabis, 272
spinula SAVCHENKO, Gonomyia, 304
spinula (MENDL), Hoplolabis, 272

- spinula* THEISCHINGER, ssp., *Tipula*, 110
spinulistyla (ALEXANDER), *Idiocera*, 312
spiralis ALEXANDER, *Antocha*, 325
spiralis SAVCHENKO, *Dicranota*, 191
splendens (KUNTZE), *Limonia*, 362
[*splendens* BRUNETTI, *Tipula*, 149]
splendor (HARRIS), *Ctenophora*, 61
spoliata (LOEW), *Eloeophila*, 218
Spyloptera RONDANI, 369
squalens (ZETTERSTEDT), *Phylidorea*, 230
squalida LOEW, *Erioptera*, 256
squarrosa SAVCHENKO, *Dicranota*, 195
stackelbergi LACKSCHEWITZ, *Gonomyia*, 304
stackelbergi ALEXANDER, *Hexatoma*, 241
stackelbergi (SAVCHENKO), *Nephrotoma*, 81
stackelbergi SAVCHENKO, *Protanyderus*, 38
stackelbergi ALEXANDER, ssp., *Tipula*, 165
stackelbergiana SAVCHENKO, *Tanyptera*, 88
stackelbergiana LACKSCHEWITZ, ssp., *Tipula*, 140
staegeri NIELSEN, *Tipula*, 147
staegeriana ALEXANDER, *Ormosia*, 291
stagnicola HOLMGREN, *Tipula*, 97
staryi MARTINOVSKÝ, *Dolichopeza*, 63
staryi MENDL, *Cheilotrichia*, 268
staryi SAVCHENKO, *Pedicia*, 199
stecki BANGERTER, *Trichocera*, 34
stejnegeri ALEXANDER, *Nephrotoma*, 81
stellifera CEDERHJELM, [*Tipula*], 177
stelviana SÜSS, ssp., *Chionea*, 245
stenoptera SAVCHENKO, ssp., *Dicranomyia*, 347
stenoptera (SÉGUY), *Orimarga*, 329
stenoptera MANNHEIMS, *Tipula*, 145
stenostyla SAVCHENKO, *Tipula*, 139
stenoterga ALEXANDER, *Tipula*, 94
stenotes ALEXANDER, *Orimarga*, 329
stercoraria DE GEER, [*Tipula*], 177
sternalis THEISCHINGER, *Tipula*, 120
sternolobata (ALEXANDER), *Dicranomyia*, 348
sternosetosa ALEXANDER, *Tipula*, 169
Stibadocerella BRUNETTI, 182
STIBADOCERINAE, 182
stictica (MEIGEN), *Symplecta*, 263
stictica FABRICIUS, [*Tipula*], 177
stigma (MEIGEN), *Limonia*, 362
stigmatella (ZETTERSTEDT), *Dicranota*, 187
stigmatella SCHUMMEL, *Tipula*, 126
[*stigmatica* (OSTEN SACKEN), *Cheilotrichia*, 266]
stigmatica (MEIGEN), *Dicranomyia*, 348
stigmatica NIELSEN, *Nephrotoma*, 76
stigmata (MACQUART), *Pilaria*, 232
stigmata MACQUART, *Tipula*, 170
stimulosa MANNHEIMS, *Tipula*, 120
stipata ALEXANDER, *Tipula*, 131
straminea (MEIGEN), *Pedicia*, 199
streptocerca ALEXANDER, *Orimarga*, 329
striata (FABRICIUS), *Hexatoma*, 243
stricklandi (EDWARDS), *Hexatoma*, 241
stricta FABRICIUS, [*Tipula*], 177
strictica FABRICIUS, [*Tipula*], 177
strictura ALEXANDER, *Tipula*, 139
strigosa SAVCHENKO, *Tipula*, 120
strix ALEXANDER, *Tipula*, 169
strobli (NIELSEN), *Atypophthalmus*, 331
strobli PAGAST, *Dicranomyia*, 340
strobli BERGROTH, *Tipula*, 132
strobliana MANNHEIMS, ssp., *Tipula*, 155
stroblianus NIELSEN, *Molophilus*, 283
stubbis THEISCHINGER, *Tipula*, 120
Stygeropsis LOEW, 84
stygia ALEXANDER, *Nephrotoma*, 81
stygipes ALEXANDER, *Dicranoptycha*, 297
stylacantha (ALEXANDER), *Atypophthalmus*, 331
[*stylifer* ALEXANDER, *Ormosia*, 286]
stylifera LACKSCHEWITZ, *Dicranomyia*, 350
Styringia BERENDT, 260
Styringomyia LOEW, 260
subacuminata MANNHEIMS, *Tipula*, 120
subadusta (ALEXANDER), *Euphylidorea*, 221
subaequalis SAVCHENKO, *Limonia*, 362
subalpina (BANGERTER), *Hoplolabis*, 272
subalpina ALEXANDER, *Ormosia*, 292
subalpium SAVCHENKO, *Tipula*, 147
subanalis (MANNHEIMS), *Nephrotoma*, 81
subaprilina (ALEXANDER), *Eloeophila*, 219
subarctica SAVCHENKO, *Austrolimnophila*, 209
subarctica ALEXANDER, *Tipula*, 127
subareolata (ALEXANDER), *Hoplolabis*, 272

- subaurita* (ALEXANDER), *Dicranomyia*, 350
subaurita SAVCHENKO, *Tipula*, 120
subbispina SAVCHENKO, *Tipula*, 120
subcarinata ALEXANDER, *Tipula*, 160
subcava MANNHEIMS, *Tipula*, 120
subcentralis ALEXANDER, *Tipula*, 159
subcognata SAVCHENKO, *Prionolabis*, 235
subcognata ALEXANDER, *Tanyptera*, 88
subcognatella ALEXANDER, *Gonomyia*, 305
subconfluens (ALEXANDER), ssp., *Tricypophona*, 202
subconfluenta ALEXANDER, *Antocha*, 325
subconsors ALEXANDER, *Dicranota*, 195
subcunctans ALEXANDER, *Tipula*, 152
subdentifera ALEXANDER, *Antocha*, 325
subdepressa ALEXANDER, *Tipula*, 169
subdeviata ALEXANDER, *Ormosia*, 286
subdichroa SAVCHENKO, *Dicranomyia*, 340
subdidyma (ALEXANDER), *Dicranomyia*, 340
subdilata STARÝ, *Dactylolabis*, 213
subducalis ALEXANDER, *Ormosia*, 285
subexcisa LUNDSTRÖM, *Tipula*, 101
subfalcata MANNHEIMS, *Tipula*, 120
subfascipenne ALEXANDER, *Epiphragma*, 215
subfascipennis SAVCHENKO, *Ormosia*, 292
subfutilis ALEXANDER, *Tipula*, 139
subgeniculata ALEXANDER, *Dolichopeza*, 65
subglabricala (LACKSCHEWITZ), *Phylidorea*, 230
subglacialis MANNHEIMS et THEOWALD, *Tipula*, 139
subgriseus SAVCHENKO, *Molophilus*, 283
subhelvola MANNHEIMS et THEOWALD, *Tipula*, 120
subincana SAVCHENKO, *Tipula*, 166
subinsigne ALEXANDER, *Epiphragma*, 215
subintacta ALEXANDER, *Tipula*, 94
subinvenusta SLÍPKA, ssp., *Tipula*, 144
sublamellata ALEXANDER, ssp., *Nephrotoma*, 75
sublimis (ALEXANDER), *Dicranomyia*, 340
sublimitata ALEXANDER, *Tipula*, 120
sublunata SAVCHENKO, *Tipula*, 120
sublunulicornis (SAVCHENKO), *Nephrotoma*, 81
submaculosa EDWARDS, *Nephrotoma*, 81
submanca SAVCHENKO, *Tipula*, 120
submarmorata (VERRALL), *Eloeophila*, 219
submarmorata SCHUMMEL, *Tipula*, 139
submarmoratipennis ALEXANDER, *Tipula*, 99
submendosa TJEDER, *Tipula*, 151
submontium THEOWALD et OOSTERBROEK, *Tipula*, 166
submorio ALEXANDER, *Dicranomyia*, 350
submunda (ALEXANDER), *Prionolabis*, 235
submutila ALEXANDER, *Tipula*, 139
subnemoralis (ALEXANDER), *Neolimnomyia*, 225
subnodicornis ZETTERSTEDT, *Tipula*, 147
subnova ALEXANDER, *Tipula*, 166
subnubeculosa (ALEXANDER), *Limonia*, 361
subnubila (ALEXANDER), *Cheilotrichia*, 268
subobsoletum ALEXANDER, *Epiphragma*, 215
subochraceus SAVCHENKO, *Molophilus*, 283
subonusta MANNHEIMS et THEOWALD, *Tipula*, 121
subpallida ALEXANDER, *Nephrotoma*, 81
subpartialis YANG et YANG, *Dictenidia*, 63
subparva STARÝ, *Rhabdomastix*, 316
subpennipes ALEXANDER, *Trentepohlia*, 318
subpoetica (ALEXANDER), ssp., *Phylidorea*, 230
subpolaris SAVCHENKO, *Austrolimnophila*, 209
subprotrusa SAVCHENKO, *Tipula*, 166
subpruinosa (ALEXANDER), *Idiocera*, 312
subpruinosa MANNHEIMS, *Tipula*, 165
subpulchripennis (ALEXANDER), *Dicranomyia*, 340
subpusilla ALEXANDER, *Hexatoma*, 241
subpustulata MANNHEIMS, *Tipula*, 121
subrectangularis (ALEXANDER), *Hexatoma*, 242
subrecticornis SAVCHENKO, *Tipula*, 121
subreversa ALEXANDER, *Tipula*, 166
subscripta EDWARDS, *Tipula*, 159
subscutellaris ALEXANDER, *Ptychoptera*, 372
subselenitica THEOWALD, *Tipula*, 121
subserrata SAVCHENKO, *Ormosia*, 292
subsericornis (ZETTERSTEDT), *Prionocera*, 85
subsignata LACKSCHEWITZ, *Tipula*, 147

- [subsiniuata]* (ALEXANDER), *Diazosma*, 32]
subsolitaria THEOWALD, *Tipula*, 166
substituta (WALKER), *Conosia*, 217
subsulphurea ALEXANDER, ssp., *Tipula*, 165
subsultans SCHRANK, [*Tipula*], 177
subtenella SAVCHENKO, *Gonomyia*, 304
subterminalis ALEXANDER, *Elephantomyia*, 320
subtestata ALEXANDER, *Tipula*, 159
subtilis LOEW, *Dicranota*, 191
subtineta (ZETTERSTEDT), *Pilaria*, 232
subtransversa ALEXANDER, *Pedicia*, 201
subtristis ALEXANDER, *Dicranomyia*, 345
subtrunca MANNHEIMS, *Tipula*, 121
subtruncata MANNHEIMS, *Tipula*, 121
subturbida ALEXANDER, *Tipula*, 95
subturbica SAVCHENKO, *Prionocera*, 85
subunicoides (ALEXANDER), *Austrolimnophila*, 209
subunilineata ZETTERSTEDT, *Tipula*, 154
subvafra LACKSCHEWITZ, *Tipula*, 147
subvelox SAVCHENKO, *Tipula*, 121
subyamata (ALEXANDER), ssp., *Indotipula*, 67
subyusou ALEXANDER, *Tipula*, 169
succincta ALEXANDER, *Ula*, 186
sudetica KOLENATI, *Erioptera*, 256
sudetica CZIŽEK, *Limonia*, 363
sudetica BISCHOFF, *Liponeura*, 46
sudetica BISCHOFF, *Liponeura*, 47
suecica (NIELSEN), *Dicranomyia*, 346
suensoni (ALEXANDER), *Eloeophila*, 219
suensoniana ALEXANDER, *Dicranoptycha*, 297
suensoniana (ALEXANDER), *Geranomyia*, 354
suensoniana ALEXANDER, *Tipula*, 150
suffumata (EDWARDS), *Eloeophila*, 219
suleika MANNHEIMS, *Tipula*, 121
sulfureoclavata (ALEXANDER), *Cheilotrichia*, 268
sullingtonensis EDWARDS, *Nephrotoma*, 82
sulphurea AGRELL, *Gonomyia*, 302
sultana ALEXANDER, *Epiphragma*, 215
superba ALEXANDER, *Gonomyia*, 305
superba SAVCHENKO, *Hexatoma*, 242
[superbiens] ALEXANDER, *Paracladura*, 33]
superciliosa ALEXANDER, *Tipula*, 169
[superna] ALEXANDER, *Trichocera*, 36]
supernumeraria ALEXANDER, *Cladura*, 247
surcoufi (PIERRE), ssp., *Nephrotoma*, 75
surcoufi (SÉGUY), *Ptychoptera*, 372
sushkini SAVCHENKO, *Tipula*, 121
suspensa (ALEXANDER), *Dicranomyia*, 340
sverdrupi (SOOT-RYEN), *Neolimnophila*, 249
sylvatica (MEIGEN), *Ula*, 186
sylvestris SÉGUY, *Neolimnomyia*, 226
sylvestris FABRICIUS, [*Tipula*], 177
sylvicola CURTIS, *Dolichopeza*, 63
sylvicola (SCHUMMEL), *Limonia*, 362
symmetrica BANGERTER, *Gonomyia*, 305
Symplecta MEIGEN, 261
Symplecta MEIGEN, subg., 264
symplectoidea EGGER, *Dactylolabis*, 214
symplectoides (KUNTZE), *Eriocnopa*, 269
Symplectomorpha MIK, 262
synempora ALEXANDER, *Limonia*, 362
synspilota (ALEXANDER), *Rhipidia*, 368
syusiro ALEXANDER, *Macgregoromyia*, 68
szadziewskii KRZEMIŃSKI et STARÝ, *Baeoura*, 251
szechwanensis ALEXANDER, *Macgregoromyia*, 68
szechwanensis ALEXANDER, *Nipponomyia*, 197
szechwanensis (ALEXANDER), *Taiwanomyia*, 206
szechwanensis ALEXANDER, *Trichocera*, 36
sziladyi (LACKSCHEWITZ), *Idiocera*, 312
tabashii (ALEXANDER), *Dicranomyia*, 342
tadzika (SAVCHENKO), *Eriocnopa*, 269
[taenigaster] ALEXANDER, *Tipula*, 127]
taenionota MEIGEN, *Erioptera*, 255
taikun ALEXANDER, *Tipula*, 139
taimyrensis (LACKSCHEWITZ), *Arctoconopa*, 250
taivanella (ALEXANDER), *Discobola*, 353
[taiwanensis] KITAKAMI, *Philorus*, 52]
[taiwanica] (KITAKAMI), *Blepharicera*, 44]
Taiwanomyia ALEXANDER, 205
takachihoi ITO, *Elephantomyia*, 320
takahashii ALEXANDER, *Dicranomyia*, 338
takahashii ALEXANDER, *Ormosia*, 292

- takaoensis ALEXANDER, *Molophilus*, 283
takei (MATSUMURA), *Eutonia*, 221
takeuchii ALEXANDER, *Dicranomyia*, 340
takeuchii ALEXANDER, *Ormosia*, 292
takeuchii TOKUNAGA, *Ptychoptera*, 372
talyshensis SAVCHENKO, *Tipula*, 121
tanakai (ALEXANDER), *Limonia*, 362
tanidai ZWICK, *Blepharicera*, 44
tantula ALEXANDER, *Tipula*, 169
 TANYDERIDAE, 37
Tanyptera LATREILLE, 87
Tanyptera LATREILLE, subg., 88
Taphrophila RONDANI, 322
Taphrosia RONDANI, 301
tarda (WALKER), *Phylidorea*, 230
tarda MÜLLER, [*Tipula*], 177
tarnogradskyi BISCHOFF, *Liponeura*, 49
tarsalba ALEXANDER, *Dolichopeza*, 65
tarsalis (ALEXANDER), *Dolichopeza*, 65
Tasiocera SKUSE, 294
Tasiocerodes ALEXANDER, subg., 258
tasucuensis THEISCHINGER, ssp., *Tipula*, 114
tateyamae ALEXANDER, *Tipula*, 121
taurica (STROBL), *Limonia*, 363
taurica ZWICK, *Liponeura*, 50
tazzekai THEOWALD, *Tipula*, 121
tedukchi ALEXANDER, *Tipula*, 159
Tedotea SANTOS ABREU, 332
Telecephala PIERRE, 332
Teleneura ALEXANDER, subg., 258
telephallus ALEXANDER, *Cladura*, 247
telephallus ALEXANDER, *Pseudolimnophila*, 236
tempesta (WALKER), *Austrolimnophila*, 210
tendens FABRICIUS, [*Tipula*], 177
tenebrarum KROGERUS, *Cylindrotoma*, 180
tenella (WALKER), *Cheilotrichia*, 267
tenella (MEIGEN), *Gonomyia*, 305
tenera MÜLLER, [*Tipula*], 177
teneriffae SANTOS ABREU, *Geranomyia*, 353
tenua SAVCHENKO, ssp., *Metalimnobia*, 365
[tenuicercus] ALEXANDER, *Trichocera*, 36]
[tenuicornis] SKUSE, *Tasiocera*, 294]
tenuicornis SCHUMMEL, *Tipula*, 95
tenuiloba ALEXANDER, *Pedicia*, 198
tenuiloba ALEXANDER, *Tipula*, 99
tenuipes (ZETTERSTEDT), *Dicranomyia*, 341
[tenuipes] (OSTEN SACKEN), *Dicranota*, 193]
tenuipes LACKSCHEWITZ, *Hexatoma*, 243
tenuipes (RIEDEL), *Nephrotoma*, 82
tenuirama SAVCHENKO, *Erioptera*, 256
tenuirostris ALEXANDER, *Heliopsis*, 322
tenuisensis (ALEXANDER), *Ilisia*, 273
tenuispinosa (ALEXANDER), *Geranomyia*, 355
tenuispinosa ALEXANDER, *Ormosia*, 292
tephronota (LOEW), *Ormosia*, 288
teranishii (ALEXANDER), *Idiocera*, 312
terebrina ALEXANDER, *Tipula*, 114
tergestina EGGER, *Dactylolabis*, 214
tergestina LOEW, *Tipula*, 121
terminalis SANTOS ABREU, *Geranomyia*, 354
terminalis (WIEDEMANN), *Nephrotoma*, 80
terminalis GRAVENHORST, [*Tipula*], 177
terpsichore MANNHEIMS, *Tipula*, 122
terraenovae ALEXANDER, *Dicranomyia*, 341
terrestris (LINNAEUS), *Limonia*, 362
terrestris HARRIS, *Tipula*, 170
tertia (KAUL), *Blepharicera*, 43
teshionis ALEXANDER, *Tipula*, 159
tessalata FOURCROY, [*Tipula*], 177
tessellatipennis ALEXANDER, *Limonia*, 363
tessellatipennis BRUNETTI, *Tipula*, 150
tessulata (SAVCHENKO), *Dicranomyia*, 341
testacea (LACKSCHEWITZ), *Erioptera*, 257
testacea PANZER, [*Tipula*], 177
[testaceus] (LOEW), *Leptotarsus*, 68]
testaceus LACKSCHEWITZ, *Molophilus*, 277
testata ALEXANDER, *Tipula*, 159
tetracantha ALEXANDER, *Elephantomyia*, 320
tetracantha (ALEXANDER), *Indotipula*, 67
tetragonus ALEXANDER, *Molophilus*, 283
[tetragramma] EDWARDS, *Tipula*, 147]
tetramelania ALEXANDER, *Tipula*, 139
tetraptera RISSO, *Tipula*, 170
tetraspila ALEXANDER, *Cladura*, 247
tetrasticta (BERGROTH), *Pseudolimnophila*, 235
[tetrophthalmia] (EDWARDS), *Blepharicera*, 44]
Teuchogonomyia ALEXANDER, subg., 307

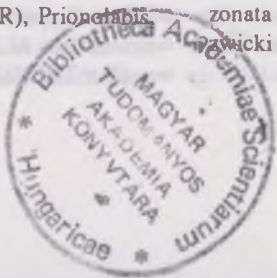
- Teucholabis* OSTEN SACKEN, 317
Teucholabis OSTEN SACKEN, subg., 317
teunisseni THEISCHINGER, *Tipula*, 121
thais MANNHEIMS, *Tipula*, 122
thalia MANNHEIMS, *Tipula*, 122
Thaumastoptera MIK, 329
[thaumastopyga ALEXANDER, *Trichocera*, 34]
theia MANNHEIMS, *Tipula*, 122
theowaldi STARÝ, *Gonomyia*, 305
theowaldi SAVCHENKO, *Idiocera*, 312
theowaldi OOSTERBROEK, *Nephrotoma*, 82
theowaldi MANNHEIMS, *Phyllolabis*, 205
theowaldi SAVCHENKO, *Tipula*, 122
thibetana DE MEIJERE, *Tipula*, 150
thienemanni BISCHOFF, *Liponeura*, 50
thomae LINNÉ, [*Tipula*], 177
[thorus KAUL, *Phylorus*, 52]
Thrypticomys SKUSE, 368
thuringiensis BISCHOFF, *Liponeura*, 46
[thurmanae (ALEXANDER), *Blepharicera*, 44]
[thwaitesiana WESTWOOD, *Libnotes*, 355]
Tianshanella BRODSKIJ, 53
tianshanica (BRODSKIJ), *Asioreas*, 41
tibetana ALEXANDER, *Hexatoma*, 242
tibonella THEISCHINGER, *Tipula*, 122
tiefii (STROBL), *Dicranomyia*, 336
tienmuanus ALEXANDER, *Helius*, 322
tienmuensis (ALEXANDER), *Ellipteroides*, 300
tiliae SCHRANK, [*Tipula*], 177
timenda ALEXANDER, ssp., *Tipula*, 129
timptonensis SAVCHENKO, *Tipula*, 128
Tipula LINNAEUS, 90
Tipula LINNAEUS, subg., 150
TIPULIDAE, 56
tipulina (EGGER), *Pedicia*, 199
Tipulodina ENDERLEIN, 178
titania MANNHEIMS, *Tipula*, 122
tjeder STARÝ, *Molophilus*, 283
tjeder MENDEL, *Pedicia*, 200
tjeder SAVCHENKO, *Phyllolabis*, 205
tjeder MANNHEIMS, *Prionocera*, 85
tofina ALEXANDER, ssp., *Tipula*, 146
Togotipula MATSUMURA, 68
tokionis ALEXANDER, *Ormosia*, 292
tokionis (ALEXANDER), *Pilaria*, 232
tokionis ALEXANDER, *Tipula*, 95
[toklatensis ALEXANDER, *Tipula*, 161]
tokunagai (ALEXANDER), *Dicranomyia*, 345
tokunagai ALEXANDER, *Lipsothrix*, 314
tokunagai ALEXANDER, *Ormosia*, 292
tokunagana (ALEXANDER), *Dicranomyia*, 345
tordi TJEDER, *Erioptera*, 256
transbaikica ALEXANDER, *Tipula*, 159
transcaspica SAVCHENKO, *Tipula*, 122
transcaucasica SAVCHENKO, *Tipula*, 95
transfixa ALEXANDER, *Tipula*, 122
transitoria (ALEXANDER), *Neolimnomyia*, 225
transmarina BERGROTH, *Erioptera*, 256
transsilvanica LACKSCHEWITZ, *Dicranomyia*, 345
transversa (MEIGEN), *Dactylolabis*, 214
transversa: ENDERLEIN, *Pedicia*, 198
transversalis (WALKER), *Neolimonia*, 366
transversalis VILLERS, [*Tipula*], 177
trapeza THEISCHINGER, *Tipula*, 122
tremula LINNAEUS, [*Tipula*], 177
Trentepohlia BIGOT, 318
Trentepohlia BIGOT, subg., 318
[trentepohlii (WIEDEMANN), *Trentepohlia*, 318]
triacantha ALEXANDER, ssp., *Pedicia*, 201
triacanthus ALEXANDER, ssp., *Molophilus*, 282
triangularis (FABRICIUS), *Pedicia*, 201
[triangularis ALEXANDER, *Trichocera*, 36]
triangulifera LOEW, *Tipula*, 95
triarmata (ALEXANDER), *Rhipidia*, 368
Trichocera MEIGEN, 33
Trichocera MEIGEN, subg., 34
TRICHO CERIDAE, 31
TRICHO CERINAE, 32
Tricholimnophila ALEXANDER, 215
trichomera ALEXANDER, *Epiphragma*, 215
trichophora (ALEXANDER), ssp., *Tricyphona*, 203
trichopleura SAVCHENKO, *Tipula*, 139
Trichoptera STROBL, 32
Trichosticha SCHINER, 273
Trichotipula ALEXANDER, subg., 152
tricolor LOEW, *Ctenophora*, 61

- tricuspidatus MENDL, *Molophilus*, 283
Tricyphona ZETTERSTEDT, 202
Tricyphona ZETTERSTEDT, subg., 202
 tridenticulata (ALEXANDER), *Symplecta*, 263
 trifasciata GMELIN, [Tipula], 177
trifasciata LOEW, *Tipula*, 140
 trifasciculata STROBL, *Tipula*, 122
 trifascingulata THEOWALD, *Tipula*, 139
trifida ALEXANDER, *Tipula*, 162
 trifilamentosa (ALEXANDER), *Dicranomyia*, 341
 trifilatus ALEXANDER, *Molophilus*, 283
 trifilosa ALEXANDER, *Cladura*, 247
 Trifurcaria LACKSCHEWITZ, subg., 204
 trifurcata (EDWARDS), *Dicranota*, 193
 trigona MANNHEIMS, *Tipula*, 122
 [trigonia (EDWARDS), *Achylrolimonia*, 330]
 trilaciniata SAVCHENKO, *Symplecta*, 263
 [trilineata BRUNETTI, *Apistomyia*, 53]
 trilobulata ALEXANDER, *Dicranota*, 195
 trilobulata ALEXANDER, *Nephrotoma*, 82
Trimacromera ENDERLEIN, 237
 trimaculata (ZETTERSTEDT), *Eloeophila*, 219
 trimaculata YANG et YANG, *Tanyptera*, 90
 Trimicra OSTEN SACKEN, subg., 265
trinotata (MEIGEN), *Dicranomyia*, 334
Triogma SCHINER, 182
 tripilata (ALEXANDER), *Symplecta*, 264
 [triplex WALKER, *Tipula*, 152]
 Triplicitipula ALEXANDER, subg., 152
tripudians BERGROTH, *Gnophomyia*, 301
tripunctata (FABRICIUS), *Limonia*, 361
tripunctata (ZETTERSTEDT), *Limonia*, 362
 tripunctata MÜLLER, [Tipula], 177
trispinosa LACKSCHEWITZ, *Dicranomyia*, 347
 trispinosa (ALEXANDER), *Nipponomyia*, 197
 trispinosa LUNDSTRÖM, *Tipula*, 122
 trispinula (ALEXANDER), *Dicranomyia*, 341
 tristina (ALEXANDER), *Dicranomyia*, 341
 tristis (SCHUMMEL), *Dicranomyia*, 345
tristis ALEXANDER, *Gnophomyia*, 301
 [tristissima OSTEN SACKEN, *Gnophomyia*, 300]
 tristoides (ALEXANDER), *Dicranomyia*, 345
 tristriata LUNDSTRÖM, *Tipula*, 140
 tristylata SAVCHENKO, *Gonomyia*, 305
 trisulcata (SCHUMMEL), *Triogma*, 182
 tritici KIRBY, [Tipula], 177
 trivialis (MEIGEN), *Erioconopa*, 269
 trivittata (SCHUMMEL), *Limonia*, 363
Trochobola OSTEN SACKEN, 352
 trunca MANNHEIMS, *Tipula*, 122
truncata (ALEXANDER), *Metalimnobia*, 365
 truncata LOEW, *Tipula*, 122
 truncorum MEIGEN, *Tipula*, 140
 trupheoneura ALEXANDER, *Tipula*, 140
Tryciphona ZETTERSTEDT, 202
 tseni (ALEXANDER), *Dicranomyia*, 348
 tseni ALEXANDER, *Molophilus*, 283
 tshernovskii SAVCHENKO, *Tipula*, 140
 tsiosenica ALEXANDER, *Tipula*, 150
 tsurugiana TAKAHASHI, *Tanyptera*, 88
 tsurugiana ALEXANDER, *Tipula*, 166
 tsutsui TOKUNAGA, *Trichocera*, 36
 tuberculata ALEXANDER, *Dicranota*, 195
 tuberculifera ALEXANDER, *Trichocera*, 36
 tulipa DUFOUR, *Tipula*, 147
tumidecornis (LUNDSTRÖM), *Angarotipula*, 58
tumidicornis (LUNDSTRÖM), *Angarotipula*, 58
 tumididens SAVCHENKO, *Tipula*, 160
 tumidosa ALEXANDER, *Dicranota*, 195
 tumulta ALEXANDER, *Tipula*, 160
 tundrensis ALEXANDER, *Tipula*, 140
 turanensis ALEXANDER, *Tipula*, 123
 turbida ALEXANDER, *Tipula*, 95
 turca MANNHEIMS, *Tipula*, 123
 turcica (FABRICIUS), *Prionocera*, 85
 turcolivida MANNHEIMS, *Tipula*, 123
 turkestanica DE MEIJERE, *Antocha*, 325
 turkestanica BRODSKIJ, *Asiorea*, 41
turpis (WALKER), *Dicranomyia*, 350
 [tusitala (ALEXANDER), *Dicranomyia*, 345]
 tyche MANNHEIMS, *Tipula*, 123
 tyosenensis KITAKAMI, *Deuterophlebia*, 55
 typhae MÜLLER, [Tipula], 177
 typhina SCOPOLI, [Tipula], 177
 typica BISCHOFF, *Liponeura*, 47
 typica BISCHOFF, *Liponeura*, 47
tyrrhenica EDWARDS, *Dicranomyia*, 349
tyrrhenica EDWARDS, *Liponeura*, 46
 uenoi (KITAKAMI), *Apistomyia*, 53

- [uenoi (KITAKAMI), *Blepharicera*, 44]
 uenoi ALEXANDER, *Tipula*, 169
 Ula HALIDAY, 185
 [uliginosa (ALEXANDER), *Dicranomyia*, 334]
 ULINI, 185
Ulomorpha OSTEN SACKEN, 236
 ulrike THEISCHINGER, *Tipula*, 123
 ultima (OSTEN SACKEN), *Neolimnophila*, 249
Ulugbekia SAVCHENKO, subg., 298
 umbrarum (KROGERUS), *Phylidorea*, 230
umbratica (STORM), *Arctoconopa*, 250
umbratica SANTOS ABREU, *Geranomyia*, 355
umbratica MÜLLER, [*Tipula*], 177
umbraticola SANTOS ABREU, *Dicranomyia*, 348
umbratus (DE MEIJERE), *Atypophthalmus*, 331
umbripennis (SCHUMMEL), *Symplecta*, 265
 unca WIEDEMANN, *Tipula*, 97
uncinata (DE MEIJERE), *Ormosia*, 289
uncinata (ALEXANDER), *Prionolabis*, 235
undulata MATSUMURA, *Libnotes*, 357
undulatus TONNOIR, *Molophilus*, 283
unguifer STARÝ, *Molophilus*, 284
unica (OSTEN SACKEN), *Austrolimnophila*, 209
unicinctifera (ALEXANDER), *Dicranomyia*, 341
uniclavatus ALEXANDER, *Molophilus*, 283
unicoides (ALEXANDER), *Austrolimnophila*, 209
unicolor (LACKSCHEWITZ), *Arctoconopa*, 250
unicolor (STROBL), *Dicranomyia*, 332
unicolor HALIDAY, *Geranomyia*, 355
unicolor (WALKER), *Phylidorea*, 229
unicolor (ZETTERSTEDT), *Pilaria*, 231
unicolor (AM STEIN), *Prionolabis*, 233
unicolor SAVCHENKO, ssp., *Tipula*, 136
unicolor (SCHUMMEL), *Tricypthona*, 203
unicornis THEISCHINGER, *Tipula*, 123
unifasciata SCHRANK, [*Tipula*], 178
unifascis SCHRANK, [*Tipula*], 178
unilineata ALEXANDER, ssp., *Tanyptera*, 89
unimaculata (MACQUART), *Limonia*, 363
uniplagiata (ALEXANDER), *Ctenophora*, 60
[uniplagiatus (ALEXANDER), *Ellipteroides*, 300]
unirubra ALEXANDER, *Tipula*, 100
uniseriata SCHINER, *Rhipidia*, 368
unisetosa (ALEXANDER), *Thrypticomyia*, 368
unispinosa ALEXANDER, *Dicranomyia*, 341
Unomyia MEIGEN, 357
upsilon ALEXANDER, *Limnophila*, 223
uralensis LACKSCHEWITZ, *Ormosia*, 292
urania MANNHEIMS, *Tipula*, 123
urodontus SAVCHENKO, *Molophilus*, 283
ursulae MANNHEIMS, *Tipula*, 123
ussuriana (ALEXANDER), *Eloeophila*, 219
ussurica ALEXANDER, *Rhabdomastix*, 316
ussurica (ALEXANDER), *Tricypthona*, 204
ussuriensis SAVCHENKO, ssp., *Helius*, 321
ussuriensis ALEXANDER, *Hexatoma*, 242
usuriensis ALEXANDER, *Rhabdomastix*, 316
usuriensis ALEXANDER, *Tipula*, 165
uyei (ALEXANDER), *Antocha*, 326
vafer LACKSCHEWITZ, *Molophilus*, 284
vafra RIEDEL, *Tipula*, 144
vaga WALKER, *Tipula*, 170
vagans SAVCHENKO, *Cheilotrichia*, 266
vagans (WALKER), *Ula*, 186
vaillanti (ALEXANDER), *Cheilotrichia*, 268
vaillanti THOMAS, *Limonia*, 358
vaillanti THEOWALD, *Tipula*, 160
valerii SAVCHENKO, *Tipula*, 123
validicornis ALEXANDER, *Tipula*, 123
vana SAVCHENKO, *Gonomyia*, 305
vana OOSTERBROEK, *Nephrotoma*, 82
vana ALEXANDER, *Tipula*, 95
vanosica VAILLANT, *Liponeura*, 47
varia FABRICIUS, [*Tipula*], 178
variabilis (ENDERLEIN), *Tanyptera*, 89
 [variata ALEXANDER, *Trichocera*, 36]
varicornis COQUILLET, *Limnophila*, 224
variegata (SAVCHENKO), *Hoplolabis*, 272
variegata (MACQUART), *Metalimnobia*, 365
variegata LINNAEUS, *Tipula*, 123
variicornis SCHUMMEL, *Tipula*, 148
variipetiolaris ALEXANDER, *Tipula*, 153
variispina ALEXANDER, *Dicranomyia*, 341
variispinus STARÝ, *Molophilus*, 284

- varinervis (ZETTERSTEDT), Nasiternella, 196
 varipennis MEIGEN, Tipula, 140
 varius (MEIGEN), Rhypholophus, 294
 vegetationis SCHRANK, [Tipula], 178
 velata MÜLLER, [Tipula], 178
 velox SAVCHENKO, Tipula, 119
 velvetus ALEXANDER, Molophilus, 284
 venerabilis ALEXANDER, Limonia, 359
 venosa ALEXANDER, Dicranoptycha, 297
 venosa SCHRANK, [Tipula], 178
 ventralis (SCHUMMEL), Dicranomyia, 341
 venturii LOI, Tipula, 151
 [venustipes ALEXANDER, Protanyderus, 39]
 verbemeae MANNHEIMS et THEOWALD, ssp., Tipula, 157
 verecunda ALEXANDER, Tipula, 160
 veris MÜLLER, [Tipula], 178
 vermiculata SAVCHENKO, Tipula, 141
 vermooleni THEISCHINGER, Tipula, 123
 verna (ALEXANDER), Symplecta, 263
 verna SCHRANK, [Tipula], 178
 vernalis MEIGEN, Tipula, 123
 vernans FABRICIUS, [Tipula], 178
 vernus GIUDICELLI, Diptopsis, 45
 verralli (BERGROTH), Eloeophila, 220
 verralli EDWARDS, Erioptera, 256
 verrucosa SAVCHENKO, Eloeophila, 220
 verrucosa PIERRE, Tipula, 124
 versicolor GMELIN, [Tipula], 178
 versicolor LOEW, Trichocera, 35
 versipellis HARRIS, [Tipula], 178
 [verticalis (WIEDEMANN), Hexatoma, 242]
 verticalis (BECKER), Nephrotoma, 74
 verticillata (FABRICIUS), Nigrotipula, 83
 Veruina WALLENGREN, 227
 Vestiplex BEZZI, subg., 153
 veternosa (ALEXANDER), Dicranomyia, 342
 vetusta (ALEXANDER), Pedicia, 198
 vibratoria LINNAEUS, [Tipula], 178
 vibratrix LINNAEUS, [Tipula], 178
 vicina (MACQUART), Dicranomyia, 342
 vicina (TONNOIR), Hoplolabis, 272
 vicina LACKSCHEWITZ, Tipula, 157
 vidua SANTOS ABREU, Dicranomyia, 333
 villaretiana (BRULLÉ), Tanyptera, 89
 villeneuvei BERGROTH, Rhypholophus, 294
 villeneuvii STROBL, Tipula, 147
 villosa (SAVCHENKO), Nephrotoma, 82
 villosa RAZOUMOWSKY, [Tipula], 178
 vimmeri MANNHEIMS, Liponeura, 50
 vindex ALEXANDER, Tipula, 100
 [violaceus BRUNETTI, Gymnastes, 308]
 violovitshi SAVCHENKO, Dicranomyia, 348
 violovitshi (SAVCHENKO), Nephrotoma, 82
 violovitshi SAVCHENKO, ssp., Tipula, 132
 violovitshiana SAVCHENKO, Tipula, 131
 [vipio OSTEN SACKEN, Protanyderus, 38]
 virens LINNÉ, [Tipula], 178
 virgata (COQUILLET), Nephrotoma, 82
 virgatula RIEDEL, Tipula, 160
 virginea MÜLLER, [Tipula], 178
 virginea PREYSSLER, [Tipula], 178
 virgo (ZETTERSTEDT), Orimarga, 329
 virgulata LACKSCHEWITZ, Tipula, 145
 viridipennis (GIMMERTHAL), Gnophomyia, 301
 viridula LINNÉ, [Tipula], 178
 vitiosa ALEXANDER, Tipula, 141
 vitripennis (MEIGEN), Antocha, 325
 vittata (MEIGEN), Hexatoma, 243
 vittata MATSUMURA, Metalimnobia, 364
 vittata (MEIGEN), Phoroctenia, 83
 vittata MEIGEN, Tipula, 95
 vivax ALEXANDER, Tipula, 141
 vividis KITAKAMI, Philorus, 52
 vockerothi MANNHEIMS, Liponeura, 50
 vogesiaca HUBAULT, Liponeura, 46
 vogtenhuberi THEISCHINGER, Tipula, 124
 vormanni (WESTHOFF), Limonia, 363
 vulcan ALEXANDER, Pselliophora, 87
 vulpecula ALEXANDER, Phyllolabis, 205
 vulpecula THEISCHINGER, Tipula, 124
 vulpes ALEXANDER, Dicranoptycha, 297
 wahlgreni LACKSCHEWITZ, Tipula, 141
 [walkeri (BRUNETTI), Indotipula, 67]
 waltoni EDWARDS, Tipula, 150
 wardi EDWARDS, Tipula, 150
 waterstoni (EDWARDS), Hexatoma, 242
 [westwoodi OSTEN SACKEN, Elephantomyia, 319]
 westwoodi: authors, Elephantomyia, 319
 westwoodiana ALEXANDER, Tipula, 98
 wewalkai THEISCHINGER, Tipula, 124

- weymarni ALEXANDER, Ormosia, 285
 [whitneyi ALEXANDER, Tipula, 132]
 winnertzii EGGER, Tipula, 140
 winthemi LACKSCHEWITZ, Tipula, 141
 wiolowitschi SAVCHENKO, Tipula, 132
 wodzickii (NOWICKI), Dactylolabis, 214
 wolfi MANNHEIMS, Tipula, 124
 wollastoni LACKSCHEWITZ, Tipula, 151
 [woodorum BRODO, Prionocera, 86]
 wrangeliana STACKELBERG, Tipula, 160
- xanthopimplina ENDERLEIN, Pselliophora, 87
 [xanthopleura EDWARDS, Tipula, 131]
 xanthoptera ALEXANDER, Erioptera, 256
 xanthoptera (MEIGEN), Metalimnobia, 364
 xanthopteroides (RIEDEL), Metalimnobia, 365
 xinjiangensis YANG et YANG, Nephrotoma, 82
 Xiphura BRULLÉ, 87
 Xiphuromopra SAVCHENKO, subg., 61
 Xiphusa: authors, 87
 xizangensis YANG et YANG, Nephrotoma, 82
 Xylocyla VENTURI, 131
 xyrophora THEISCHINGER, Tipula, 124
- yakushimae ALEXANDER, Lipsothrix, 314
 yakushimana ALEXANDER, Orimarga, 329
 yakushimana ALEXANDER, Tricyphona, 204
 yakushimensis ALEXANDER, Limonia, 363
 yakushimensis ALEXANDER, Nippolimnophila, 226
 yamamotoana (ALEXANDER), Prionolabis, 235
 yamamotoana ALEXANDER, Lipsothrix, 314
 yamamotoi (ALEXANDER), Phylidorea, 230
 yamamuriana ALEXANDER, Tipula, 166
 yamasakii (KITAKAMI), Blepharicera, 44
 yamata ALEXANDER, Dicranoptycha, 297
 yamata (ALEXANDER), Indotipula, 67
 Yamatotipula MATSUMURA, subg., 160
 yankovskiana ALEXANDER, Ptychoptera, 372
 yankovskyana (ALEXANDER), Prionolabis, 235
 yankovskyi (ALEXANDER), Blepharicera, 44
 yankovskyi ALEXANDER, Ormosia, 285
 yankovskyi ALEXANDER, Protanyderus, 39
 yanoana ALEXANDER, Dicranota, 195
 yanoana ALEXANDER, Tipula, 169
 yanoi ALEXANDER, Leptotarsus, 68
 yasumatsuana ALEXANDER, Tipula, 141
 yasumatsui TOKUNAGA, Ptychoptera, 372
 yasumatsui (ALEXANDER), Symplecta, 263
 yatungensis ALEXANDER, Antocha, 325
 yerburyi EDWARDS, Tipula, 148
 yezoana MATSUMURA, Ctenophora, 60
 yezoana (ALEXANDER), Hoplolabis, 273
 yezoensis ALEXANDER, Dicranota, 188
 yezoensis (ALEXANDER), ssp., Elocephala, 219
 yezoensis ALEXANDER, Teucholabis, 317
 [yosemite OSTEN SACKEN, Blepharocera, 51]
 yumotana (ALEXANDER), Austrolimnophila, 210
 yusou ALEXANDER, Tipula, 169
 yusouoides ALEXANDER, Tipula, 169
- zaitzevi SAVCHENKO, Tipula, 124
 zangheriana NIELSEN, Pedicia, 200
 zangherii LACKSCHEWITZ, Tipula, 124
 zarcoi MANNHEIMS, Tipula, 124
 zarnigor SAVCHENKO, Tipula, 124
 zayulensis ALEXANDER, Tipula, 160
 zebrina SAVCHENKO, Limonia, 363
 zernyi LACKSCHEWITZ, Dicranomyia, 342
 zernyi (LACKSCHEWITZ), Pedicia, 200
 zernyi MANNHEIMS, Tipula, 148
 zetterstedti (LACKSCHEWITZ), Erioconopa, 269
 zetterstedti (TJEDER), Metalimnobia, 365
 zetterstedti STROBL, Tipula, 132
 zimini SAVCHENKO, Tipula, 125
 zipanguensis ALEXANDER, Elliptera, 327
 zonaria GOETGHEBUER, Tipula, 148
 zonata (ZETTERSTEDT), Arctoconopa, 250
 zonata SAVCHENKO, Elephantomyia, 320
 zonata (PIERRE), Nephrotoma, 72
 zonata FABRICIUS, [Tipula], 178
 zonata SCHRANK, [Tipula], 178
 zwicki MENDL, Tricyphona, 204



Issued April 30, 1992

PRODUCED BY MOTTÓ PRINTING CO. LTD., BUDAPEST (92.12)
RESPONSIBLE FOR PRINTING:
LÁSZLÓ KEPLER MANAGING DIRECTOR

640370

SOÓS

PAPP

Catalogue of
PALAEARCTIC DIPTERA



Trichoceridae — Nympheomyiidae