

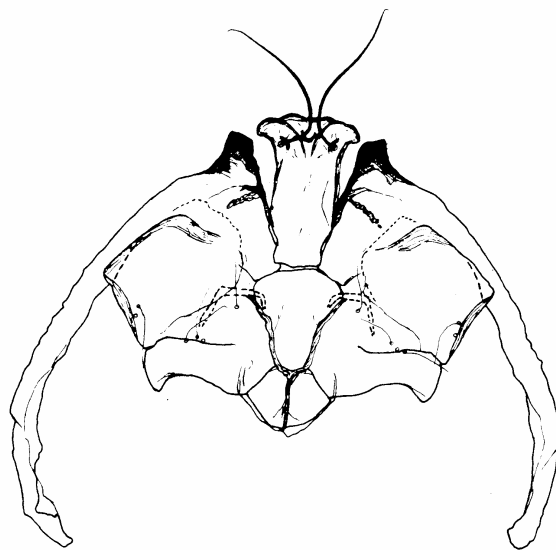
**A WORLD CATALOGUE  
OF  
CHIRONOMIDAE (DIPTERA)**

**PART 1. BUCHONOMYIINAE, CHILENOMYIINAE, PODONOMINAE,  
APHROTENIINAE, TANYPODINAE, USAMBAROMYIINAE,  
DIAMESINAE, PRODIAMESINAE AND TELMATOGETONINAE**

**compiled**

**by**

**Patrick Ashe and James P. O'Connor**



**The Irish Biogeographical Society**  
in association with  
**The National Museum of Ireland**

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Ard-Mhúsaem na hÉireann

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by

**Patrick Ashe**

*33 Shelton Drive, Terenure, Dublin 12, Republic of Ireland.*

**James P. O'Connor**

*National Museum of Ireland, Kildare Street, Dublin 2, Republic of Ireland.*

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Ard-Mhúsaem na hÉireann

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Cover illustration: frontal plate of the pupa of *Buchonomyia thienemanni* Fittkau,  
originally published in Murray and Ashe (1981) in *Spixiana* 4: 56.

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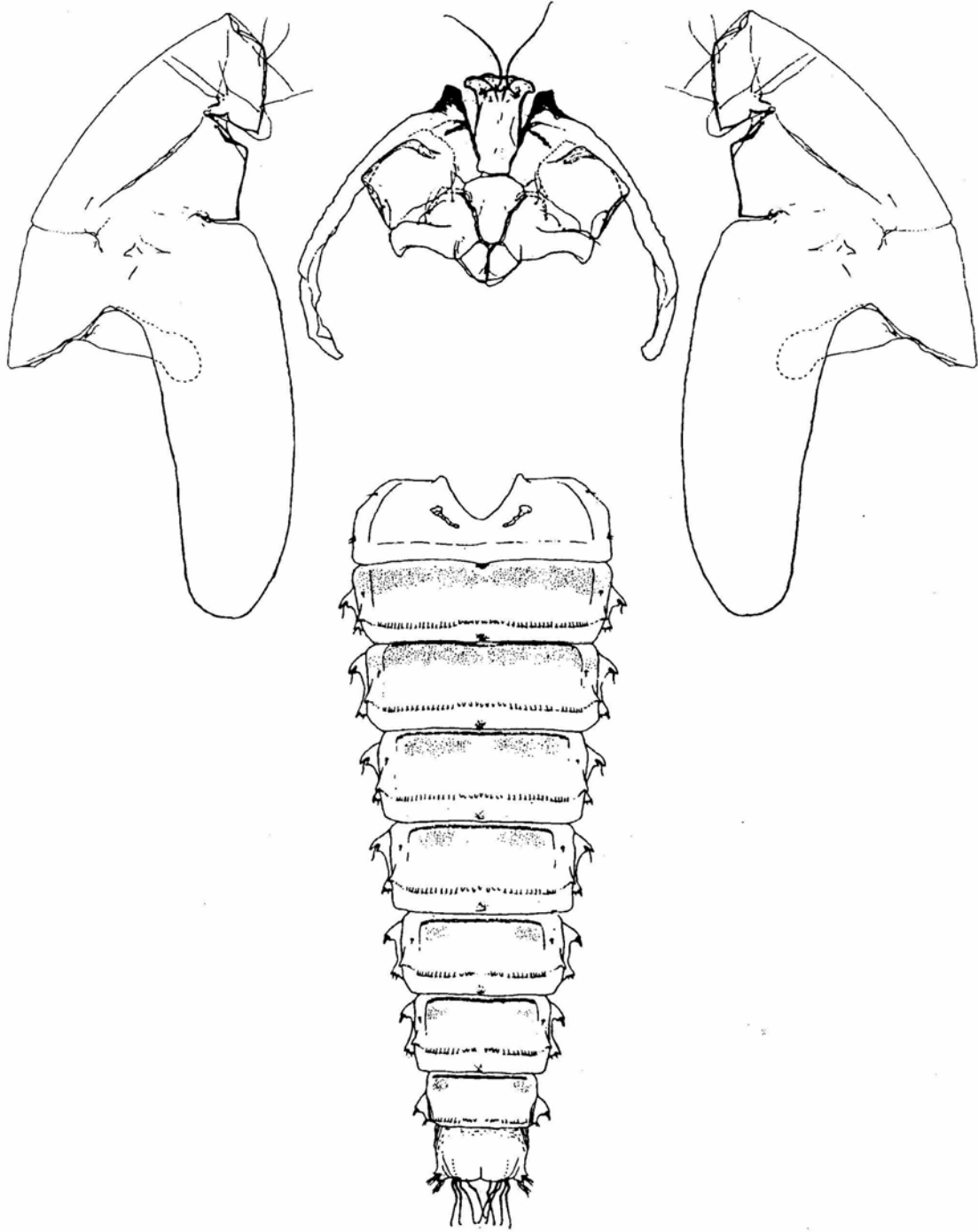
## PREFACE

The chironomids or non-biting midges are abundant insects occurring in all climatic zones from the tropics to the polar regions. The males often form large mating swarms. They are very adaptable creatures and their habitats range from coastal marine habitats to high altitude snow fields and glaciers (over 5,000 metres). The immature stages of most species occur in freshwater but many terrestrial, marine and brackish water species are known. They are to be found in flowing waters (rivers, streams, brooks, trickles, waterfalls, thin water films on vertical surfaces, glacial meltwater etc.), standing waters (lakes, ponds, pools, temporary water bodies, saline lakes, phytotelmata – rot holes, pitcher plants, bromeliads etc.) and marine habitats (brackish water including estuaries, littoral zone of the sea-shore and coastal areas down to 30 metres). Terrestrial species are associated with soils and other habitats rich in organic matter including leaf litter in woodland, grassland and tillage soils, fungi, rotting wood and cow dung.

*A World Catalogue of the Chironomidae (Diptera)* is to be published in four parts. This volume (Part 1) deals with the Subfamilies Buchonomyiinae, Chilenomyiinae, Podonominae, Aphroteniinae, Tanypodinae, Usambaromyiinae, Diamesinae, Prodiamesinae and Telmatogetoninae. Part 2 will cover the Subfamily Orthoclaadiinae, Part 3 the Subfamily Chironominae and finally, Part 4 the Fossil Taxa. Part 4 will also contain a supplement, a summary of Parts 1-4 and a Cumulative Taxonomic Index.

*A World Catalogue of Chironomidae (Diptera)* Part 1 is published in association with The National Museum of Ireland. On behalf of The Irish Biogeographical Society, I wish to thank Dr Pat Wallace (Director), Mr Ragnall Ó Floinn (Head of Collections) and Mr Nigel Monaghan (Keeper of Natural History) for their interest in and encouragement of this work.

James P. O'Connor  
Editor  
The Irish Biogeographical Society  
15 November 2009



**FIGURE 1.** Modified combination of several drawings (frontal plate, left and right cephalothorax, abdomen) of the pupa of *Buchonomyia thienemanni* Fittkau originally described in Murray and Ashe (1981) in *Spixiana* 4.

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## GENERAL INTRODUCTION TO A WORLD CATALOGUE

The Family Chironomidae, commonly called non-biting-midges, is a cosmopolitan group of insects of the Order Diptera which occur in all zoogeographical regions of the world, including Antarctica. They are abundant in both species numbers and in numbers of individuals in all climatic zones from the tropics to the polar regions and from coastal marine habitats (down to 30 metres) to high altitude snow fields and glaciers (over 5,000 metres). The immature stages of most species occur in freshwater but many terrestrial, marine and brackish water species are known. They are to be found in flowing waters (rivers, streams, brooks, trickles, waterfalls, thin water films on vertical surfaces, glacial meltwater etc.), standing waters (lakes, ponds, pools, temporary water bodies, saline lakes, phytotelmata – rot holes, pitcher plants, bromeliads etc.) and marine habitats (brackish water including estuaries, littoral zone of the sea-shore and coastal areas down to 30 metres). Terrestrial species are associated with soils and other habitats rich in organic matter including leaf litter in woodland, grassland and tillage soils, fungi, rotting wood and cow dung (Ashe *et al.*, 1987, Sæther *et al.*, 2000).

A World Catalogue is published in four parts. The four parts are:- **Part 1** (Subfamilies Buchonomyiinae, Chilenomyiinae, Podonominae, Aphroteniinae, Tanypodinae, Usambaromyiinae, Diamesinae, Prodiamesinae and Telmatogetoninae); **Part 2** (Subfamily Orthocladiinae), **Part 3** (Subfamily Chironominae) and **Part 4** (Fossil Taxa, Supplement, Summary of Parts 1-4 and Cumulative Taxonomic Index). Part 1 - published on the 18 December 2009 with Part 2, Part 3 and Part 4 expected in roughly two-yearly intervals. The pagination is sequential from Part 1 through to Part 4 and it is estimated that the entire publication will be between 1,700 and 2,000 pages. Apart from the catalogue section each part will include the general introduction, a separate introduction to each part, a bibliography and an alphabetical taxonomic index. Part 4 will also include a cumulative taxonomic index covering all the taxa included in Parts 1 to 4.

## COVERAGE

The catalogue includes all detected taxonomic names of Chironomidae (available and unavailable according to the Zoological Code) that have been described since 1758. In addition, some unnamed species, mentioned in the literature are included if they provide useful distribution or range extension information concerning a particular genus. The 1 October 2009 is the cut-off date for inclusion of new data in Part 1. Each of the remaining parts, because they are being published over several years, will have different cut-off dates. However, a supplementary section will be included in Part 2 (which will update Part 1) and in Part 3 (which will update Part 1 and Part 2). Part 4 will include updated information covering Parts 1 to 3.

In order to ensure accuracy of the information presented the chironomid literature, from 1758 to the relevant cut-off date, that is known to include new taxa has been checked. At the present time there is no accurate total of the number of valid species, synonyms or nomina dubia. There are published catalogues for each region but all have different cut-off dates for inclusion of data, and some taxa recognised as valid in one catalogue were treated differently in another. A number of species names have been detected, including a few by Kieffer, which



are missing from several of the published catalogues.

## STYLE

The style is similar to that used in the Chironomidae part (Ashe and Cranston, 1990) of the Palaearctic Catalogue.

## SUBFAMILIES

### Format

The order in which subfamilies are treated follows a modified phylogenetic sequence (see discussion on 'Phylogenetic Arrangement of Subfamilies' in the Introduction to Part 1). In the Catalogue, valid subfamily names are printed in bold capitals, followed by the author(s) name(s) in capitals, the year, periodical or book (in italics), volume (in bold where relevant), and page number. This is followed by the type-genus name, author(s) and year. Invalid subfamily names are printed in capital italics and placed in synonymy (where possible) or they are treated as nomina dubia in the Family Chironomidae if synonymy is not possible.

### Order of genus-group and species-group names

Within a subfamily, all the genera (and subgenera within a genus) are arranged alphabetically as are the species (and subspecies) within a genus. Genus and species synonyms are arranged by nomenclatural priority (ICZN, 1999) except where priority is overruled (e.g. unavailable or invalid senior synonym etc.). Questionable species synonyms, listed at the end of the synonymy list for a valid species, are preceded by a question mark in bold and the entry terminated with the following words (in bold): **Questionable synonym**.

## TRIBES

Tribes are or have been recognised in some subfamilies (i.e. Podonominae, Aphroteniinae, Tanypodinae, Diamesinae, Orthocladiinae and Chironominae). Tribe names are not currently recognised in the Orthocladiinae. Valid tribe names are listed in bold capitals (with synonyms in capital italics) under the relevant subfamily name. The genera (and subgenera) which are currently assigned to each tribe are listed in tables in the introductory section to each part of the Catalogue under the relevant subfamily and not in the main taxonomic part of the Catalogue. However, some valid species and nomina dubia (e.g. in the Tanypodinae) which cannot be assigned to a genus but can be placed in a tribe are arranged alphabetically below a suitable heading in bold, e.g. **Generically Unplaced Valid MACROPELOPIINI** or **Nomina dubia in PROCLADIINI**.

## FORMAT FOR GENUS-GROUP NAMES

Uppercase bold (e.g. **TELMATOGETON**) is used to indicate valid genus-group names (genus or subgenus) while uppercase italics (e.g. *HALIRYTUS*) is used for invalid genus-group names (synonyms, nomina dubia, variant spellings etc.).

The genus-group name is followed by the author(s) name(s) in capitals, the year, periodical or book (full title in italics), volume in bold (where applicable) and page number.

Extra information is occasionally given in parentheses after the page number.

### Multiple descriptions

If a genus-group name was proposed as new (i.e. “new genus” or equivalent) on more than one occasion by the same author(s) each subsequent name is treated as a separate taxon. Such names are arranged by date priority (if validly described) and in synonymy with the relevant information, i.e. name, author(s), year, publication, volume, page, type-species.

### Type-species

Type-species information gives the full original binomen or trinomen of the species with the author(s) name(s), date and the kind of designation (see below). If the current valid name of the type-species is different from the name published in the type-fixation, the Catalogue entry gives the valid name between square brackets, as follows. If the name mentioned in the type-fixation is a junior synonym or invalid for another reason, then the valid binomen (or trinomen) with author(s) and date is given in square brackets following an ‘equals’ sign, e.g. [= *Genus species* Author(s), year]. If uncertainty exists concerning the synonymy of the two species a question mark (in bold) precedes the equals sign, e.g. [**?** = *Genus species* Author(s), year]. If the type-species was taxonomically misidentified in the original publication then the word misidentified precedes the ‘equals’ sign, e.g. [misidentified = *Genus species* Author(s), year].

**Kinds of Designation:** In Ashe (1983: 7) eight different kinds of type-species designation for genus-group names were used which included, for example, “original designation”; “original designation and monotypy” and “original designation and virtual monotypy” because they were more informative but these are now all treated as “original designation” in the World Catalogue for the reasons detailed below.

The form of type-species designation is simplified in the most recent edition of the Zoological Code (ICZN, 1999, 4th Edition). The kinds of type-species designations which apply in the Chironomidae are based on:-

Article **68**. For type-species fixed in the original publication there are two kinds of fixation which in order of precedence\*, are:- (i) original designation; and (ii) monotypy;

Article **69**. For type-species not fixed in the original publication there are two kinds of fixation:- (i) subsequent designation; and (ii) subsequent monotypy.

\* Recommendation **68A** attached to Article **68** states that if a species is qualified for fixation as the type-species in more than one of the ways provided for in this Article then only the valid fixation need be cited, i.e. the one with the highest precedence. This means that the expression “original designation and monotypy” includes two kinds of designation and therefore only “original designation”, which has precedence over “monotypy”, need be cited.

### FORMAT FOR SPECIES-GROUP NAMES.

Lowercase bold (e.g. **japonicus**) is used to indicate valid species-group names (species or subspecies) while lowercase italics (e.g. *gedanensis*) is used for invalid species-group names (synonyms, nomina dubia, nomina nuda, variant spellings, misidentifications etc.).

The species-group name is followed by the author(s) name(s) in capitals, the year,

periodical or book (full title in italics), volume in bold (where applicable) and page number.

The original genus (or genus plus subgenus, non-binominal combination etc.) to which the species-group name was assigned in the original description is given in parentheses after the page number. Extra information is occasionally given, e.g. after the original genus name as in the following example:- (*Telmatogeton*; as “*St. Pauli*”) – indicating that the original spelling was incorrect by nomenclatural standards. Brackets are used around the author and date, e.g. (TOKUNAGA, 1933), if the current combination of genus and species names is different from the original one.

### Multiple descriptions

If a species-group name was proposed as new (i.e. “new species” or equivalent) on more than one occasion by the same author(s) such names are treated as separate taxa with separate entries and included in the synonymy.

### Misidentified species

Only those species misidentifications listed in other catalogues are included which involve one species known from one region being wrongly recorded and misidentified from another region. For example, the name *Parochlus kiefferi* (Garrett), belonging to a species in the Nearctic and Palaearctic regions has been misapplied to similar southern hemisphere species from the Neotropical and Australasian regions. Such misidentifications are listed under the species affected. For misidentified type-species see “**Type-species**” sub-heading under “**FORMAT FOR GENUS-GROUP NAMES**” above.

### Species without scientific names

Some species, mentioned in the literature with provisional names rather than formal scientific ones (mostly as adult males or pupae, rarely as larvae) are included if they provide useful information, distribution or range extension data concerning a particular genus. Locality information is given in quotes. Such species are arranged by date at the end of the normal species entries for a genus or subgenus. The inclusion of such species is not intended to be exhaustive.

For example, *Lasiodiamesa* sp. “Nuolja” was listed in Brundin (1966: 326) and described in the pupal stage from Nuolja in Swedish Lapland but was not formally named because the adult male was unknown. Another example is the record in Brundin (1956: 65) of the genus *Monodiamesa* from high mountain lakes in Peru which is listed in this Catalogue under “indet. sp.:

” towards the end of the species entries for *Monodiamesa* because this is the only known record of *Monodiamesa* from Peru.

Some generic records in the literature from various regions, if considered unreliable or misidentified, are ignored. For example, all published records up to the present time of *Eurycnemus* Wulp (Subfamily Orthoclaadiinae) from outside the Palaearctic Region, i.e. from the Neotropical, Nearctic and Australasian Regions are erroneous.

### Type-locality

If the name-bearing type is a holotype, the type-locality is given in quotation marks verbatim from the original description when the latter was published in typeface based on Roman letters. Where there are name-bearing syntypes from more than a single locality, all the separate "Type-localities" are quoted and usually separated by semicolons. Type-locality information published in Cyrillic letters is transliterated and placed between asterisks, i.e. **\*\*Cyrillic text\*\***, this may include data found in non-Cyrillic lettering in the corresponding work's title, summary or abstract. For information published in a language that cannot be transliterated the type-locality data is translated if possible or it may be based on a European language, title, summary or abstract in the corresponding work.

In many cases the country was not specified in the published type-locality data. If the country was mentioned elsewhere in the original work, the present catalogue gives the country in curly brackets, e.g. {Country}, which precede the quoted type-locality data. If there was supplementary type-locality data given elsewhere in the original work this may also be included within curly brackets. If (a) the country was not clearly and unambiguously specified anywhere in the original work, or (b) the name of the country has changed, or (c) the type-locality is now in a different country; then the country name enclosed in square brackets precedes the quoted type-locality data. If no type-locality was specified the wording "Not given" is used and speculation on a likely type-locality is avoided. Occasionally the type-locality information has been obtained or is given in greater detail from a secondary source - in such cases the information, type-locality in quotes followed by the identified source, i.e. author(s), year, publication, volume and page, is enclosed as in the following example:- ||►Type-locality: "Hongrie: Budapest, Gyón" in Kieffer, 1919: *Annales Historico-Naturales Musei Nationalis Hungarici* 17: 151 ◄||.

Where neotype or lectotype localities are given this information is enclosed within square brackets identifying the source with the locality (if specified) in quotes, i.e. [author(s), year, publication, volume: page, "locality"] which immediately follows the quoted type-locality data from the original published work. However, all such cases may not have been detected in the literature because such information is often not high-lighted or abstracted and may be hidden within the text.

### Distribution

The major zoogeographical region(s) from which a species has been recorded are presented using two-letter codes arranged in the following order of precedence: Antarctic (**AN**); Neotropical (**NT**); Nearctic (**NE**); Palaearctic (**PA**); Afrotropical (**AF**); Oriental (**OR**); Australasian (**AU**) and Oceanian (**OC**).

Distribution information is intended to be as comprehensive as possible. For some larger countries (e.g. Australia, Canada, India, Russia, U.S.A.) the states, regions, provinces are specified in brackets in alphabetical sequence after the country name. For countries which straddle two zoogeographical regions, i.e. Mexico (Nearctic and Neotropical), China (Palaearctic and Oriental), and Indonesia (Oriental and Australasian), the states, provinces or islands where a species is recorded are given in alphabetical sequence in parentheses after the country name and the two-letter zoogeographical region code. Japan is Palaearctic except for

most of the Ryukyu Archipelago (Oriental) and some Pacific islands (Oceanian). Consequently, the name of such a country may appear more than once in the distribution listing, as in the example below of *Telmatogeton japonicus*, which occurs in both the Palaearctic and Oriental parts of China. The boundaries between the zoogeographical regions are defined in a corresponding text section below.

Distribution data has been obtained initially from information contained in the various regional catalogues:- Antarctica (Cranston and Martin, 1989), Neotropical (Spies and Reiss, 1996), Nearctic (Oliver *et al.*, 1990), Palaearctic (Ashe and Cranston, 1990), Afrotropical (Freeman and Cranston, 1980), Oriental (Sublette and Sublette, 1973), Australasian and Oceanian Regions (Cranston and Martin, 1989). Additional distribution data for Europe was obtained from the Fauna Europaea website (Sæther and Spies, 2004) but most of the new data was obtained from numerous chironomid publications (taxonomic, ecological, country or regional checklists, websites, etc.) which contained relevant information.

### **Nomina dubia**

Species-group, genus-group or family-group names, for which the taxonomic interpretation is uncertain, are listed alphabetically under a heading in boldface identifying the most appropriate taxon (genus, tribe, subfamily, family) to which they can be assigned, e.g. “**Nomina dubia in Procladiini**”.

### **Unavailable names**

Species-group, genus-group or family-group names that are unavailable in the sense of nomenclature, i.e. that cannot and must not be used as valid for any taxon under any circumstances, are listed in synonymy where applicable. Otherwise, they are listed alphabetically as nomina nuda amongst the nomina dubia, under a heading in boldface identifying under the most appropriate taxon (genus, tribe, subfamily, family) to which the corresponding, not scientifically nameable taxon appears to belong, e.g. “**Nomina dubia in Procladiini**”. All nomina nuda\* are unavailable because they contravene one or more articles of the Zoological Code. For each nomen nudum the contravened Zoological Code article(s) is/are specified. In all such cases the entry terminates with the words **Nomen nudum** in bold.

\***Note:** All nomina nuda are unavailable names but not all unavailable names are nomina nuda. A separate heading is used, when appropriate, for unavailable names which are not nomina nuda, e.g. **Unavailable names in TANYPODINAE**.

### **Incorrect spellings**

Incorrect spellings (of species-group, genus-group or family-group names) are given in italics after the valid name and listed either as an “incorrect original spelling” or as an “incorrect subsequent spelling”.

### **Gender ending of species-group names**

It has not been possible to check that the ending of all species-group names agree in gender with the genus under which they are currently combined. However, in some cases where it has been established that the wrong ending has been used this is corrected and a note

explaining the reasons is given.

### NOTES

At the end of the main section of the Catalogue's taxonomic part detailed "Notes" discuss taxonomic problems or other issues relating to a particular taxon. These notes are ordered alphabetically irrespective of taxon rank. The term "[Note]" at the end of a taxon entry in the main section means that a Note may be consulted under the name of the corresponding taxon.

### EXAMPLES

The following examples show Catalogue entries for a valid genus name (**TELMATOGETON**) with one junior synonym (*HALIRYTUS*) and for a valid species name (**japonicus**) with one junior synonym (*gedanensis*), respectively:-

#### Genus **TELMATOGETON** SCHINER

**TELMATOGETON** SCHINER, 1867: *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **16**: 931. Type-species: *Telmatogeton sanctipauli* Schiner, 1867 (as "St. Pauli"), by original designation. Senior homonym of *Telmatogeton* Schiner, 1868.

*HALIRYTUS* EATON, 1875: *Entomologist's Monthly Magazine* **12**: 60. Type-species: *Halirytus amphibius* Eaton, 1875, by monotypy. Synonymized with *Telmatogeton* Schiner, 1866, by Sublette & Wirth (1980: *New Zealand Journal of Zoology* **7**: 309).

**japonicus** TOKUNAGA, 1933: *Philippine Journal of Science* **51**: 95 (*Telmatogeton*). Type-locality: "Japan . . . Karo, Tottori Prefecture". — Distr.: **NE**: Canada (Newfoundland), U.S.A. (Florida, Georgia, Louisiana, New York, North Carolina, Texas); **PA**: Azores, Belgium, China (Shandong), Denmark, Germany, Ireland, Japan, Madeira, Netherlands, Norway, Poland, Sweden; **OR**: China (Zhejiang); **AU**: Australia (New South Wales, South Australia, Victoria, Western Australia); **OC**: Hawaiian Islands.

*gedanensis* SZADZIEWSKI, 1977: *Polskie Pismo Entomologiczne* **47**: 177 (*Telmatogeton*). Type-locality: {Poland} "Baltic Sea, Gdańsk Bay, shore in Gdynia-Orłowo".

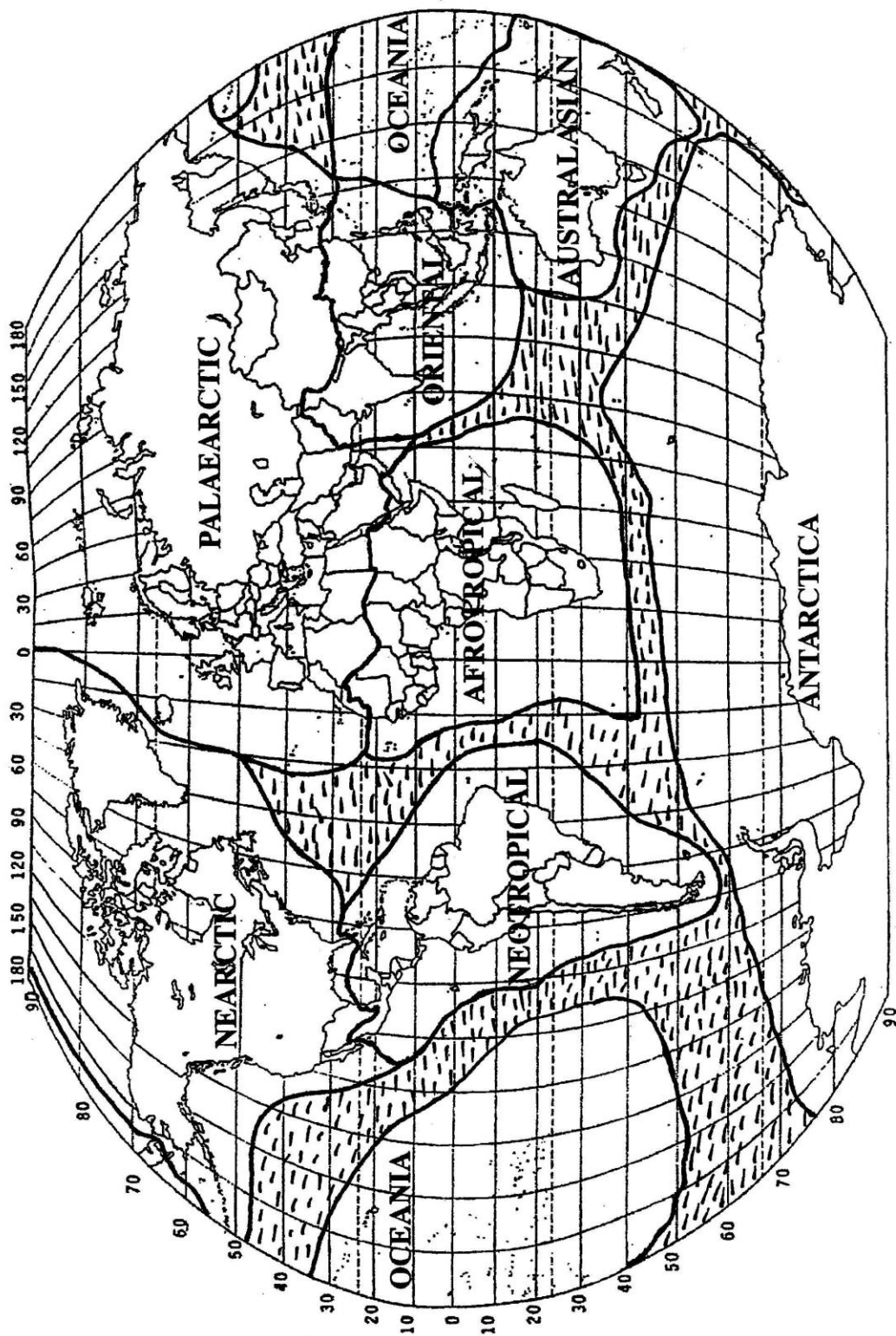


FIGURE 2. The eight recognised zoogeographical regions.

## ZOOGEOGRAPHICAL REGIONS

Eight major zoogeographical regions (Figure 2) are recognised (two letter codes in parentheses):- Antarctic (**AN**); Neotropical (**NT**); Nearctic (**NE**); Palaearctic (**PA**); Afrotropical (**AF**); Oriental (**OR**); Australasian (**AU**), Oceanian (**OC**).

### Symbols used in species distribution data

**?** = A **?** (in bold) which precedes the name of a country, state, province etc. indicates an unconfirmed or doubtful record.

**\$** = A **\$** (in bold) precedes the Canadian Province of Northwest Territories, e.g. **\$**Northwest Territories, if it has not been possible to determine whether or not a pre 1990 published record or records for the then larger Northwest Territories now applies to the now much smaller Northwest Territories, to Nunavut or to both.

**¶** = A **¶** (in bold), which precedes a country name, indicates that the particular country to which the record applies has not been identified because it was once part of a formerly much larger country, e.g. **¶**Yugoslavia. The former Yugoslavia includes Bosnia and Herzegovina, Croatia, Kosovo, Macedonia, Montenegro, Serbia and Slovenia.

**#** = A **#** (in bold) is used if a record for Mexico, e.g. Mexico (**#**), does not specify the state within which the record was found. In such cases the record is included under the more likely of the two zoogeographical regions. Because Mexico is partly Nearctic and partly Neotropical identifying the individual states is important.

### ANTARCTIC (AN)

As defined and mapped in Evenhuis (1989) this includes the continental landmass of Antarctica and the following Subantarctic Islands:- Balleny Islands, Bouvetøya Island, Crozet Islands, Heard Island, New Amsterdam Island, Kerguelen Islands, McDonald Island, Peter I Øy, Prince Edward (or Marion) Island, Saint Paul Island, South Georgia Island, South Orkney Islands and South Shetland Islands.

### NEOTROPICAL REGION (NT)

The definition is based on that given in the website of the Biosystematic Database of World Diptera. This includes all countries which comprise the South American continent and the associated islands (including the Falkland Islands, the Galapagos Islands, Juan Fernández Islands, San Ambrosio, and off north-eastern Brazil, St Paul Island and Fernando Noronha), the Bahamas, countries and islands in the Caribbean Sea, the Greater and Lesser Antilles, Central America, and parts of Mexico. The 13 Neotropical Mexican States are:- Campeche, Chiapas, Colima, Guerrero, Jalisco, Michoacán, Nayarit, Oaxaca, Quintana Roo, Sinaloa, Tabasco, Veracruz and Yucatán). Apart from the 13 Mexican States there are two island groups, the Tres Marias Islands and the Revillagigedo Islands, which are Neotropical. If a record for Mexico does not specify the Mexican State (or one of the two island groups) then it is assigned to the most likely of the two regions based on existing distribution or published data in the following manner, e.g: “**NT**: Mexico (**#**)” or “**NE**: Mexico (**#**)”, the **#** symbol represents the unidentified state.



### NEARCTIC REGION (NE)

The definition is based on that given in the website of the Biosystematic Database of World Diptera. This includes Canada, Greenland, the continental United States of America, Bermuda and parts of Mexico. The 18 Nearctic Mexican States are:- Aguascalientes, Baja California, Baja California Sur, Chihuahua, Coahuila, Durango, Guanajuato, Hidalgo, Mexico State (including Distrito Federal), Morelos, Nuevo León, Puebla, Querétaro, San Luis Potosí, Sonora, Tamaulipas, Tlaxcala and Zacatecas). If a record for Mexico does not specify the Mexican State then it is assigned to the most likely of the two regions based on existing distribution or published data in the following manner, e.g: “NT: Mexico (#)” or “NE: Mexico (#)”, the # symbol represents the unidentified state.

In Canada, the former Northwest Territories have been divided in two regions *viz.* Nunavut and a considerably reduced Northwest Territories. Unfortunately the boundaries between the two regions can best be described as bizarre, despite objections at the time, in relation to the problems that would result in mapping and recording the distribution of animal and plant species. Several western arctic islands are bisected by the 110°W meridian of longitude which forms part of the boundary line from the North Pole south to Victoria Island at which point the line turns due west and follows part of the 70°N line of longitude (but bends at right angles around a lake), continues westward and then takes a zigzag route out through the south-western corner of Victoria Island. This means that many records of animals and plants from these areas are impossible to assign to either Nunavut or the Northwest Territories. This applies particularly to older 19th and early 20th century records that do not include a specific locality or longitude and latitude. A more logical boundary would have been to include all of Victoria Island and the other affected islands in Nunavut.

Nunavut includes all of the eastern part of the formerly larger Northwest Territories and most of the Canadian Arctic islands, all islands or parts of islands east of 110°W (including the eastern half of Victoria Island) and a large portion of the southern part of Victoria Island.

The Northwest Territories includes the western part of the formerly larger Northwest Territories, all islands or parts of islands west of 110°W and all of the north-western and a small portion of the southern part of Victoria Island.

Some records for the Northwest Territories are preceded by a \$ symbol, e.g. \$Northwest Territories, if it has not been possible to determine whether or not a pre 1990 published record or records for the then larger Northwest Territories now applies to the now reduce Northwest Territories, to Nunavut or to both for the reasons given above.

### PALAEARCTIC REGION (PA)

The western Palaeartic Region is defined as in the Palaeartic Catalogue (Ashe and Cranston, 1990). This includes all of western and eastern Europe, North Africa, almost all of the Middle East (except Yemen, which is Afrotropical) and Afghanistan. Since the publication of the Palaeartic Catalogue there have been political changes including the reunification of Germany and the breakups of Czechoslovakia (now the Czech Republic and Slovakia), Yugoslavia (now consisting of Bosnia and Herzegovina, Croatia, Kosovo, Macedonia, Montenegro, Serbia, and Slovenia) and of the European part of the former western U.S.S.R. (now includes Armenia, Azerbaijan, Belarus, Estonia, Georgia, Latvia,

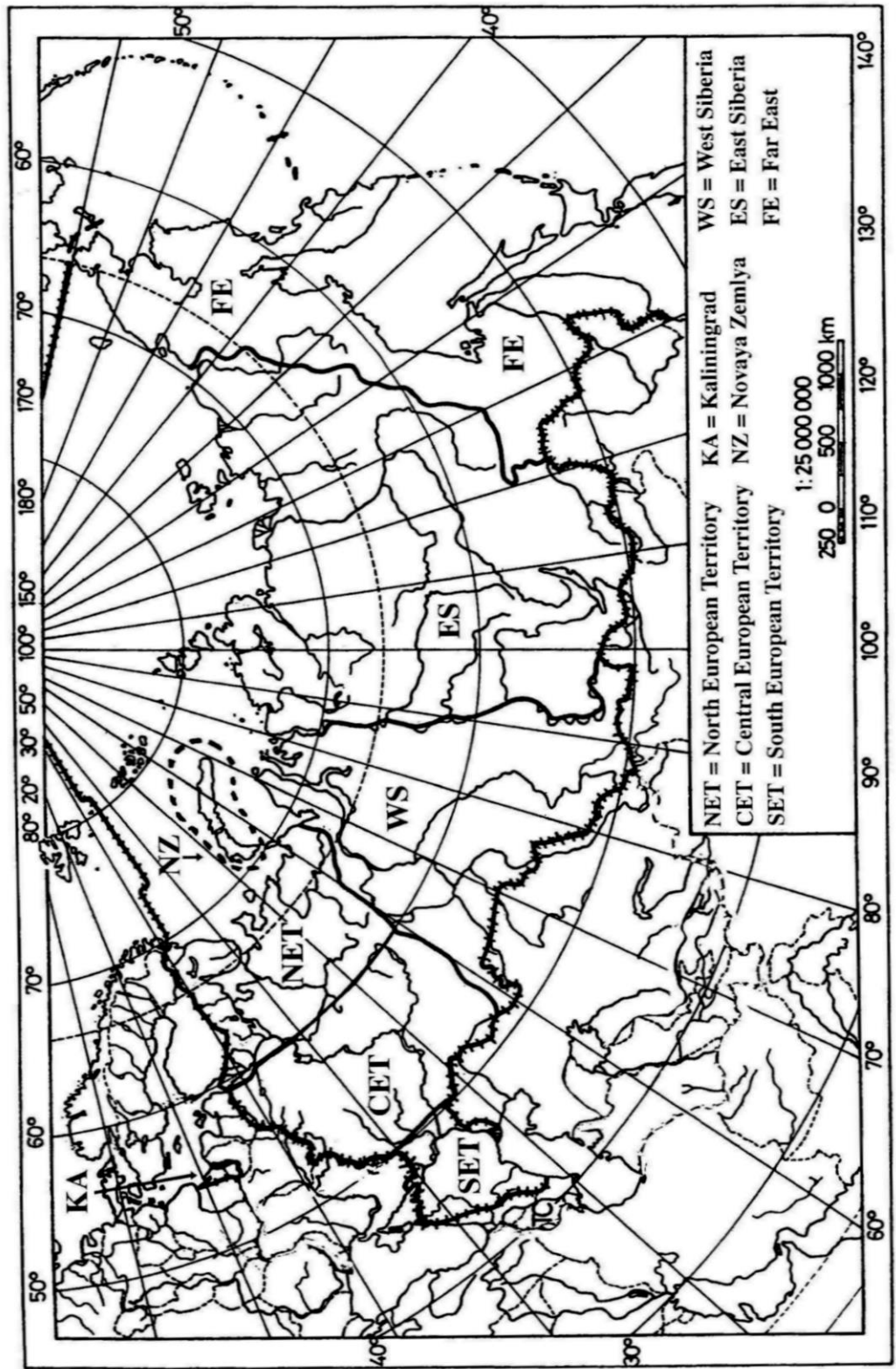


FIGURE 3. Map of Russia modified from the map published in the Catalogue of Palearctic Diptera.

Lithuania, Moldova, Russia and Ukraine). The Kaliningrad region, on the Baltic Coast between Poland and Lithuania, although part of Russia, is treated as a separate entity because it has no contiguous land connection with the rest of Russia. The island of Novaya Zemlya, although part of the Northern European Territory (NET), is treated separately in the distribution data.

In the eastern Palaearctic Region the boundaries are mostly the same as in the Palaearctic Catalogue (Ashe and Cranston, 1990), except for modifications in the boundaries between the Palaearctic and Oriental Regions in China and Japan which are detailed below. Political changes have also affected the Asian part of the former U.S.S.R. (now includes Kazakhstan, Kyrgyzstan, Russia, Tajikistan, Turkmenistan and Uzbekistan).

In the Palaearctic Catalogue, the former U.S.S.R. was divided into six zones for the purpose of distribution data. These were North European Territory (NET), Central European Territory (CET), Southern European Territory (SET), West Siberia (WS), East Siberia (ES), and Far East (FE). Adapting this to the current situation, the western boundaries of the Central European Territory and the Southern European territories are changed to exclude those areas which are no longer part of Russia. These six zones, plus the addition of Kaliningrad (KA) and Novaya Zemlya (NZ) as separate entities, are used to summarize the distribution of chironomid species known from Russia (Figure 3).

### **China**

The boundary line between Oriental and Palaearctic China is defined here based on the experience of Chinese colleagues.

There are 33 Provinces (or Administrative Divisions) in the People's Republic of China of which there are 12 in Palaearctic China and 14 in Oriental China while the remaining 7 are partly Palaearctic and partly Oriental (Figure 4).

The 12 wholly Palaearctic Chinese Provinces are:- Beijing, Hebei, Heilongjiang, Inner Mongolia, Jilin, Liaoning, Ningxia, Qinghai, Shandong, Shanxi, Tianjin and Xinjiang Uighur.

The 7 Chinese Provinces which are partially Palaearctic and partially Oriental are:- Anhui, Gansu, Henan, Jiangsu, Shaanxi, Sichuan and Tibet. The boundary line on the illustrated map (Figure 4) clearly shows which parts of these provinces are Palaearctic and which parts are Oriental.

### **Japan**

Most of Japan (including the large islands of Hokkaido, Honshu, Shikoku and Kyushu) is located in the Palaearctic Region. However, some groups of small islands in the very south are included in the Oriental and Oceanian Regions respectively. In the Palaearctic Catalogue (Ashe and Cranston, 1990), Palaearctic and Oriental Japan were divided along the 30°N parallel line of latitude, the Watase Line, but unfortunately this passes through the middle of the small island of Kuchinoshima. To resolve this problem, the division line between the two regions is shifted to 30°05'N here, i.e. approximately the middle of the channel between the islands of Yakushima (southernmost Palaearctic Japan) and Kuchinoshima (northernmost Oriental Japan).

Administrative Divisions of the People's Republic of China (PRC)

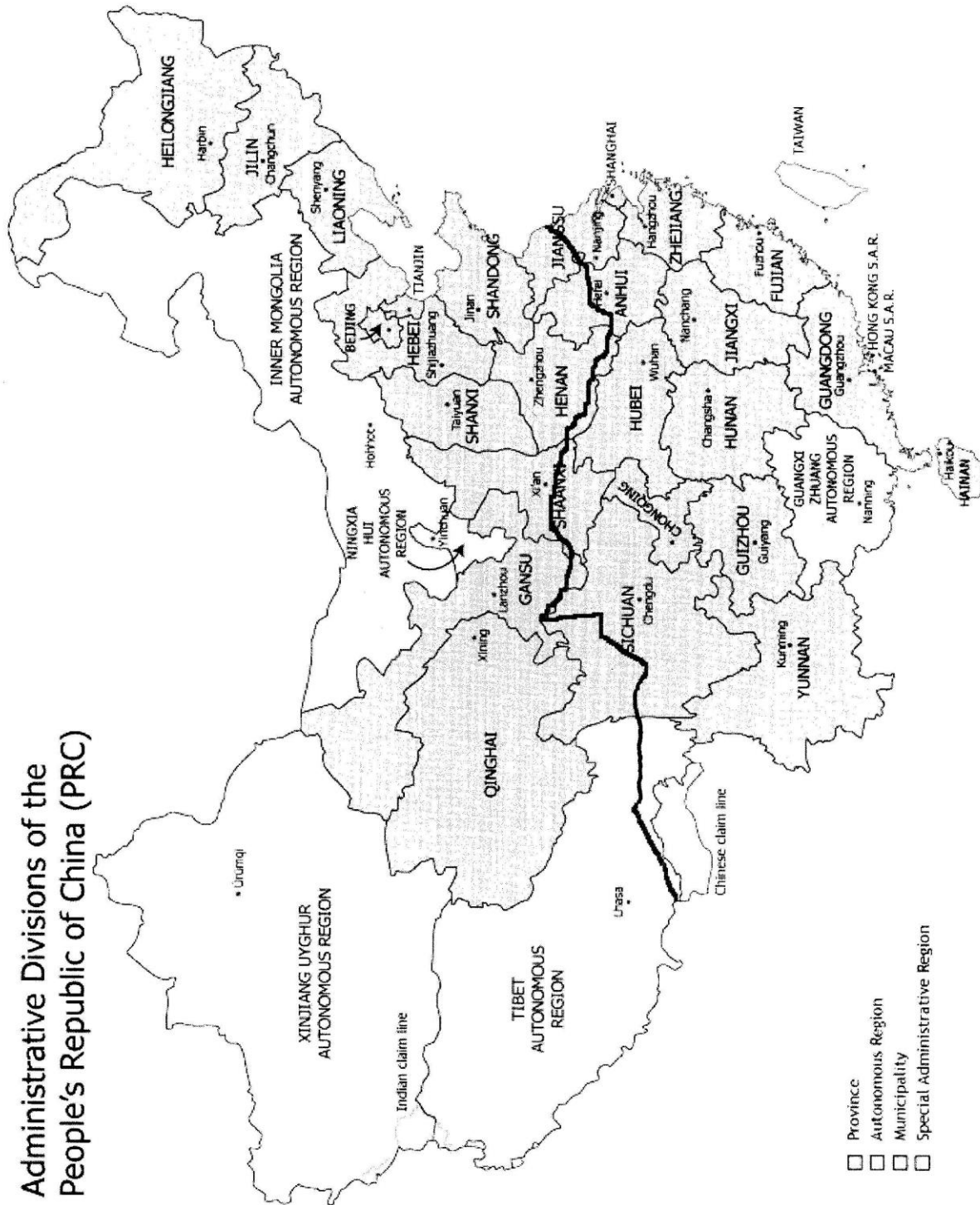


FIGURE 4. Map of Chinese Provinces – boundary line between Palaearctic and Oriental China indicated by a heavy black line.

### **AFROTROPICAL REGION (AF)**

The definition is based on that in the Afrotropical Catalogue (Crosskey, 1980). This includes the northern countries:- Cape Verde Islands, Mauritania, Mali, Niger, Chad, Niger, Sudan and Yemen on the Arabian Peninsula, all countries farther south on the African continent and various associated offshore islands or island groups. The latter include Aldabra, Amirante Islands, Annobón, Ascension Island, Astove Island, Bioko [formerly Fernando Póo], Cargados Carajos Islands, Coëtivy Island, Comoro Islands, Cosmelodos Islands, Gough Island, Madagascar, Mauritius, Príncipe, Réunion, Rodriguez, São Tomé, Seychelles, Socotra, St Helena, Tristan da Cunha and Tromelin Island.

The 'Democratic Republic of the Congo' (formerly Zaïre) is cited in full in any relevant type-locality data but in the distribution data is abbreviated to 'D. R. Congo' to distinguish it from the country called the 'Congo'.

### **ORIENTAL REGION (OR)**

The definition is mostly based on that in the Oriental Catalog (Delfinado and Hardy, 1973) except for some changes in the boundary between the Palaearctic and Oriental Regions in China and Japan which are detailed below.

The Oriental Region extends from Pakistan in the west, through all of India, Sri Lanka, Nepal, Bhutan, Bangladesh, South-east Asia (Myanmar, Thailand, Laos, Vietnam, Cambodia, Malaysia, Singapore, the Philippines, the western part of Indonesia (as far east as Weber's Line)), parts of southern China (defined below), Taiwan and the Japanese Ryukyu Archipelago south of 30°05'N latitude (detailed below).

#### **China**

The boundary line between Oriental and Palaearctic China is defined here based on the experience of Chinese colleagues.

There are 33 Provinces (or Administrative Divisions) in the Peoples Republic of China of which there are 12 in Palaearctic China and 14 in Oriental China while the remaining 7 are partly Palaearctic and partly Oriental (Figure 4).

The 14 wholly Oriental Chinese Provinces are:- Chongqing, Fujian, Guangdong, Guangxi, Guizhou, Hainan, Hong Kong, Hubei, Hunan, Jiangxi, Macao, Shanghai, Yunnan, and Zhejiang.

The 7 Chinese Provinces which are partially Palaearctic and partially Oriental are:- Anhui, Gansu, Henan, Jiangsu, Shaanxi, Sichuan and Tibet. The boundary line on the illustrated map (Figure 4) clearly shows which parts of these provinces are Palaearctic and which parts are Oriental.

#### **Japan**

Most of Japan (including the large islands of Hokkaido, Honshu, Shikoku and Kyushu) is located in the Palaearctic Region. However, some groups of small islands to the south are included in the Oriental and Oceanian Regions. Oriental Japan, as defined here, consists of most of the Ryukyu Archipelago which extends southwards from latitude 30°05'N and the island of Kuchinoshima (northernmost part of Oriental Japan) – more details about the

boundary are given above under Japan in the section on the Palaearctic Region.

### **AUSTRALASIA (AU)**

This region is considered to comprise the following regions, as numbered in the map in Evenhuis (1989):- **2** (Australia), **4** (Belau), **8** (Fiji), **12** (Indonesia, east of Weber's Line, including Maluku, Irian Jaya), **15** (Lord Howe Island), **16** (Macquarie Island), **21** (New Caledonia), **22** (New Zealand), **24** (Norfolk Island), **27** (Papua New Guinea), **30** (Solomon Islands) and **34** (Vanuatu).

### **OCEANIA (OC)**

The fact that some islands of Oceania form part of a country outside the region, such as France, Japan or the United States, is ignored in this Catalogue's distribution information, which gives the name of the island or island-group only. Oceania is considered , to comprise the following regions, as numbered in Evenhuis (1989):- **1** (American Samoa), **3** (Baker Island/Howland Island), **5** (Bonin Islands), **6** (Cook Islands), **7** (Easter Island), **9** (French Polynesia), **10** (Guam), **11** (Hawaiian Islands), **13** (Johnston Atoll), **14** (Kiribati), **17** (Marcus Island), **18** (Marshall Islands), **19** (Federated States of Micronesia), **20** (Nauru), **23** (Niue), **25** (Northern Marianas), **26** (Palmyra Atoll), **28** (Pitcairn Island), **29** (Sala y Gomez Island), **31** (Tokelau), **32** (Tonga), **33** (Tuvalu), **35** (Volcano Islands), **36** (Wake Island), **37** (Wallis and Futuna) and **38** (Western Samoa).

### **BIBLIOGRAPHY**

The Bibliography includes all relevant literature cited in *A World Catalogue of Chironomidae* which includes the introductory sections and the catalogue itself. An attempt has been made to try and date as many of the references cited in the Bibliography as possible. This dating information is given in square brackets immediately after the year of publication of the reference but if undetermined, the wording "Publication Date Unchecked" is given. Some symbols, used in connection with the dates of publication, are as follows:-

No symbol = The actual day/month/year, e.g. [**19 March 1975**], is given if specified in the original publication and not disproven by external evidence. When a specified date of publication is known to be incorrect an explanation is given with the reference. For some references specific dates of publication were not given but in several cases these have been determined by contacting the editor – an explanation is given with the reference in such cases.

Asterisk Symbol: The library receiving date stamp, e.g. [**\*18 November 1922**], for a publication or the relevant part of a publication (e.g. issue of a journal or periodical) is taken as the earliest demonstrated date in the absence of more direct evidence. The number of asterisks identifies the relevant library as indicated below:-

\* = Receipt date in the Natural History Museum Library, London.

\*\* = Receipt date in the Smithsonian Institution Library, Washington, D. C. [data from Evenhuis (1989)].

\*\*\* = Receipt date in the Bishop Museum Library, Honolulu [data from Evenhuis (1989)].

\*\*\*\* = Receipt date in the British Library, London.

- + = The last day of the year, e.g. [**+31 December 1900**], or the last day of the month, e.g. [**+30 June 1962**], is taken as the date of publication if a more precise date other than the year, or the month and year, cannot, (a) be determined from the original work, or (b) be taken from other sources.
- ≤ = The “less than or equals sign” is used to indicate that there is evidence that a particular reference was published “on or before a specified date”, e.g. [**≤21 September 1800**]. The example is from Evenhuis (1997: 530) who indicates that Meigen (1800) was published prior to the 22 September 1800. Therefore the earliest provable date at present is on or before, as the symbol “≤” implies, the 21 September 1800.

## ABSTRACT

Part 1 of *A World Catalogue of Chironomidae (Diptera)* contains detailed data on all described taxa that have been found in the literature from 1758 to the 30 September 2009. Nine subfamilies are treated in Part 1 and these are, in the order in which they are treated, as follows:- Buchonomyiinae, Chilenomyiinae, Podonominae, Aphroteniinae, Tanypodinae, Usambaromyiinae, Diamesinae, Prodiamesinae and Telmatogetoninae. The remaining two subfamilies, Orthocladiinae and Chironominae, will be treated in Part 2 and Part 3 respectively while all the fossil taxa will be treated in Part 4. The phylogenetic relationship between the different subfamilies is in parts different to those previously proposed.

In Part 1 of the Catalogue there are a total of 106 valid genera, 15 subgenera and 1,024 valid species as well as several hundred names which are either synonyms, nomina dubia or unavailable. For all included taxa the original published data has been rechecked. For each species-group name the original type-locality data (if specified) is cited verbatim in quotes. For each valid species (or sub-species) detailed distribution data is given and the zoogeographical region(s) where it is found is/are identified. Included are summary tables which show the known distribution by zoogeographical region for all valid genus-group and species-group names. Figures for the number of genera and species known in each subfamily and for each zoogeographical region are tabulated.

The following new generic synonyms are given: *Podochlus* Brundin (*Podonomites* Brundin, **syn. nov.**); *Pseudokiefferiella* Zavřel (*Diplomesa* Thienemann, **syn. nov.**) and *Reissmesa* Ashe (*Chironocesa* Koçak & Kemal, **syn. nov.**). New species synonyms are: *Diamesa bicornipes* Chaudhuri & Ghosh (*Diamesa cornipes* Ghosh & Chaudhuri, **syn. nov.**); *Krenopelopia binotata* (Wiedemann) (*Pelopia inconspicua* Kieffer, **syn. nov.**); *Tanypus inconspicuus* Kieffer, **syn. nov.**); *Macropelopia nebulosa* (Meigen) (*Tanypus maculatus* Macquart, **syn. nov.**); *Procladius (Procladius) villosimanus* Kieffer (*Procladius bipunctatus* Kieffer, **syn. nov.**); *Prodiamesa olivacea* (Meigen) (*Prodiamesa verna* Kieffer, **syn. nov.**) and *Tanypus (Tanypus) stellatus* Coquillett (*Protenthes americanus* Kieffer, **syn. nov.**). New generic placements are:- *Ablabesmyia indicus* (Kieffer), **comb. nov.**; *Conchapelopia solita* (Johannsen), **comb. nov.** and *Krenopelopia batuensis* (Freeman), **comb. nov.** Two subgenerically unplaced species of *Procladius* are transferred to the subgenus *Procladius*, i.e. *Procladius (Procladius) recurva* Johannsen, **comb. nov.** and *Procladius (Procladius) squamifer* Skuse, **comb. nov.**

A comprehensive bibliography, with dates of publication (in almost all cases), of all the relevant literature is given. The previously accepted year for several genera and species is affected by establishing the date of publication.





## INTRODUCTION TO PART 1

Part 1 of *A World Catalogue of Chironomidae (Diptera)* includes all detected extant taxa, described between 1758 and the 30 September 2009, of nine of the 11 extant subfamilies currently recognised. These nine subfamilies (with the number of valid genera and species in parentheses), are treated in the following order:- **Buchonomyiinae (1:3)**, **Chilenomyiinae (1:1)**, **Podonominae (15:158)**, **Aphroteniinae (3:8)**, **Tanypodinae (57:575)**, **Usambaromyiinae (1:1)**, **Diamesinae (22:216)**, **Prodiamesinae (4:23)** and **Telmatogetoninae (2:39)**. There are therefore **106** valid genera, **15** subgenera and **1,024** valid species in Part 1 plus **2** sub-species in the Podonominae. In addition, there are a further **56** generic names and **636** species names which are either synonyms, nomina dubia or invalid names. There are also various family-group names (family, subfamily, tribe, etc.) which are valid but there are also synonyms, nomina dubia and unavailable names. Records of unnamed or undescribed species, included to provide additional distribution data, are excluded from the numbers of known species.

## PHYLOGENETIC ARRANGEMENT OF SUBFAMILIES

The Chironomidae, an old group, are considered to date from at least the Jurassic Period (145-199 million years ago) (Brundin, 1966; Cranston *et al.*, 1987; Cranston and Edward, 1992). The dating of the Chironomidae was pushed back a little further in time, with the description of *Aenne triassica* (Krzemiński and Jarzembowski, 1999), to the Upper Triassic (Rhaetian) of Great Britain which is dated at between 199 and 205 million years old. However, recent ideas (Ashe unpublished) indicates that they are considerably older and almost certainly existed and may have originated in the Early Triassic (245 to 250 million years ago). With such a long history it is not surprising that the phylogenetic relationships, at subfamily level within the Chironomidae, and between the Chironomidae and other related Diptera families, is a significant area of study.

The arrangement of the subfamilies in this catalogue follows a phylogenetic sequence which in part is different to those previously proposed. The relationships between some subfamilies is still disputed and unresolved which is partly due to different interpretations and emphasis on some diagnostic features and partly due to the fact that the immature stages are still unknown in two subfamilies.

Of all the life stages in Chironomidae the single most important diagnostic feature at subfamily level is the presence or absence of a premandible in the larval stage. A premandible is found in most “Nematoceran” families though it is occasionally secondarily lost (e.g. Mycetobiidae). The premandible is present in the three “Nematoceran” families (Ceratopogonidae, Simuliidae and Thaumaleidae) which are believed to be those most closely related to the Chironomidae. Therefore the presence of a larval premandible is a plesiomorphic feature and its absence an apomorphic feature. In the early evolutionary history of the Chironomidae a major dichotomy occurred with one group losing the premandible and the other group retaining the premandible. The loss of the premandible in Chironomidae almost certainly only occurred once and therefore those subfamilies which have lost the premandible (the Semifamily Tanypodoinae) must form one monophyletic group while those subfamilies which retained the premandible must form a second monophyletic group (the

Semifamily Chironomoinae). This means that the position of the Telmatogetoninae, which has a larval premandible (in addition to other features), as the sister group of all the remaining subfamilies is no longer tenable. We can also say with certainty is that the ancestral

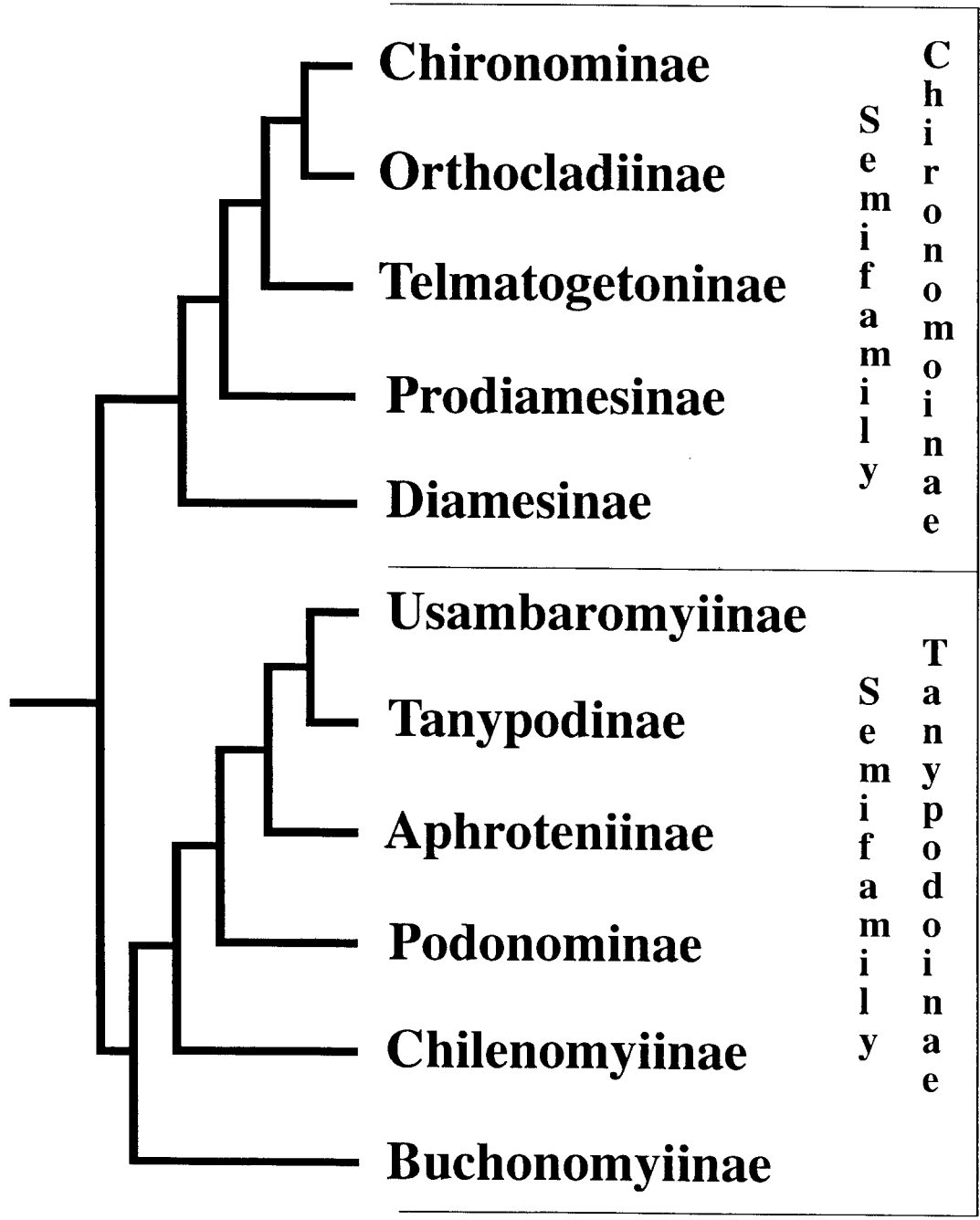


FIGURE 5. Revised phylogenetic relationships between the eleven extant chironomid subfamilies. .

chironomid which gave rise to the Semifamilies Tanypodoinae and Chironomoinae did possess a premandible in the larval stage.

In the phylogeny of chironomid subfamilies proposed in Sæther (2000) the importance of the premandible (character 30), although scored for presence/absence in the data matrix, was not emphasized, given any weighting or discussed. If any character should be given preferential and heaviest weighting then it should apply to the presence/absence of the premandible. The Semifamily Tanypodoinae, as defined here, includes the Aphroteniinae, Buchonomyiinae, Podonominae and Tanypodinae all of which lack the premandible and this loss is a synapomorphy for these four subfamilies. The description of the adults of the Chilenomyiinae and Usambaromyiinae indicates that both belong to the Semifamily Tanypodoinae where they are currently placed though the larvae are unknown. The presence or absence of the larval premandible will be critical in assigning these subfamilies to either the Semifamily Tanypodoinae or the Semifamily Chironomoinae. The Semifamily Chironomoinae includes the Chironominae, Diamesinae, Orthocladiinae, Prodiamesinae and Telmatogetoninae and retention of the premandible is a sympleisomorphy for these five subfamilies. The next question which arises is the sequence of subfamilies within the Semifamily Tanypodoinae and the Semifamily Chironomoinae, i.e. which are more basal (greater age) or more apical (more recent).

#### **Semifamily Tanypodoinae**

Resolving the position of the Chilenomyiinae is problematical because the larvae and pupae are unknown but there is not sufficient evidence at present to support its placement in the most basal position as given in Brundin (1983). In Murray and Ashe (1986), the Buchonomyiinae was considered to be the pleisomorphic and the Tanypodinae the apomorphic sister group of the Podonominae + Aphroteniinae. The relative positions of these four subfamilies are essentially unchanged except that the Chilenomyiinae is now placed between the Buchonomyiinae and the Podonominae + Aphroteniinae which is the best option at present. We are in agreement with Andersen and Sæther (1994) and Sæther (2000) that, until the larvae and pupae are discovered and described, the best placement for the Usambaromyiinae is as the sister group to the Tanypodinae. In summary, the arrangement of the relative positions of the five subfamilies which currently constitute the Semifamily Tanypodoinae as defined here is given in Figure 5.

#### **Semifamily Chironomoinae**

The position of most of the subfamilies which constitute the Semifamily Chironomoinae, except for the Telmatogetoninae, is not controversial and the sequence is Diamesinae, Prodiamesinae, Orthocladiinae and Chironominae. However, Cranston (1995) indicates that the Diamesinae and Prodiamesinae may not be monophyletic but even if these two subfamilies are further sub-divided, the phylogenetic placement of any newly created subfamilies will cluster around the present position of the Diamesinae and Prodiamesinae. The main problem centres on where the Telmatogetoninae fit within the Semifamily Chironomoinae.

Further back in time, the marine Telmatogetoninae must have evolved from a freshwater

river ancestor which adapted to brackish estuarine areas, conquered and diversified in the rocky marine shore environment and in a couple of instances (Hawaii and Kenya) have re-conquered freshwater. Fast flowing rivers are a preferred habitat for many Diamesinae and it would not be very difficult to imagine a Diamesinae-type ancestor for the *Telmatogetoninae* which lived in fast-flowing rivers near the coast which directly entered the sea similar to what is found in Hawaii today (except that in Hawaii the freshwater species of *Telmatogeton* have evolved from a marine species).

The *Telmatogetoninae* are generally large species with large fully developed wings (but lack crossvein MCu), are capable of flight and tarsomere 4 is cordiform on all legs. The cordiform 4th tarsomere could have evolved independently (as has happened in some *Orthocladiinae* – see Ashe and O'Connor, 2007) but it is equally possible is that it is a retained feature from a Diamesinae-type ancestor as many extant genera of Diamesinae have a well developed cordiform 4th tarsomere. In almost all known chironomid subfamilies that are aquatic, the eggs are laid in clusters within a protective gelatinous mass that swells on contact with water. Among the aquatic chironomids, the *Telmatogetoninae* are the exception in that the eggs are laid singly in layers, just below the water surface and always with the micropyle uppermost, and without any surrounding gelatinous material. This topic has been touched on before in Ashe *et al.* (1987) but is now elaborated on in more detail. For the *Telmatogetoninae* to laid their eggs in such a precise and exacting manner requires considerable precision and control on the part of the female that special modifications of the female genitalia in the form of tweezer-like appendages would be essential to manipulate, apply glue (presumably to the substrate or base of the egg) and deposit each egg precisely and in an upright position. There is absolutely no evidence that such modifications of the female genitalia in the *Telmatogetoninae* is a retained pleisomorphic condition or that it is identical with structures found in the *Sciaridae* and *Nymphomyiidae*. Instead, all of these modifications have evolved independently and all are autapomorphies for the *Telmatogetoninae*.

This evolutionary scenario (from freshwater to marine to freshwater), the presence of a larval premandible, loss of crossvein MCu, and the ecology of the group does not fit with its placement in Sæther (2000) as the sister group of all the remaining chironomid subfamilies. The above argument, if correct, indicates that the *Telmatogetoninae*, which possess a premandible, belongs to the group of subfamilies that comprise the Semifamily *Chironominae*. If this is the case then where do the *Telmatogetoninae* fit within this grouping? The *Telmatogetoninae* evolved additional features which helped them conquer marine rocky coastal shores while at the same time keeping those features from the fast flowing river environment of the Diamesinae-type ancestor which were advantageous to retain. Many of the features which enabled the Diamesinae to conquer fast flowing rivers would enable the *Telmatogetoninae* to adapt to brackish and fully marine, wave-washed, rocky coastal areas. Both the *Prodiamesinae* and the *Telmatogetoninae* are considered here to be apomorphic sister groups to the Diamesinae. In nearly all Diamesinae and all *Prodiamesinae*, crossvein MCu is present but its loss is an apomorphy for the *Telmatogetoninae*, *Orthocladiinae* and *Chironominae*. The above argument indicates that the best placement for the *Telmatogetoninae* is as the apomorphic sister-group to the Diamesinae + *Prodiamesinae* as indicated in Figure 5.

## ZOOGEOGRAPHICAL DISTRIBUTION

Chironomid distribution information in Part 1 for the eight zoogeographical regions, the nine subfamilies and the 106 valid genera is given in Table 4 and similarly for all valid species in Table 6. The aim of these two tables is to provide a quick means of identifying which region(s) each subfamily, genus (and subgenus) and species (and subspecies) is known from. The actual numbers of known valid species recorded for each genus (and subgenus) by zoogeographical region is presented in Table 5. Total numbers of genera and species for each subfamily by zoogeographical region are given respectively in Table 7 and Table 8.

Data is presented in Table 9 which indicates the number of additional species (new species or new records) added to each subfamily and each zoogeographical region since 1987. It gives an indication of the amount of taxonomic activity there has been in each region with 103 species added to the Palaearctic fauna, followed by the Orinetal with 78 and the Neotropical with 53.

Table 10 is a summary of the total number of valid taxa (genera, subgenera and species) for each subfamily and the total for all subfamilies combined that are treated in Part 1. For genus-group taxa the number of valid and invalid names (synonyms, nomina dubia) for each subfamily is given (with totals) in Table 11 and the same data for species-group names is given in Table 12.

### Subfamily Buchonomyiinae

The Subfamily Buchonomyiinae at present contains one genus, *Buchonomyia* Fittkau, and three described extant species, one each in the Palaearctic: *B. thienemanni* (Fittkau, 1955), Oriental: *B. burmanica* (Brundin & Sæther, 1978) and Neotropical: *B. brundini* (Andersen & Sæther, 1995). One fossil species, *B. succinea* Seredzsus & Wichard (2003), from Baltic amber has been described.

The most widely distributed species is *B. thienemanni* which ranges from Ireland eastwards through central and southern Europe and North Africa and extends as far as Iran. All stages of *B. thienemanni* are known and described including the egg-mass and eggs (Ashe and Murray, 1983), larvula (1st instar larva) (Ashe, 1986), late instar larva (Ashe, 1995) (now believed to be a 4th instar Dr P. S. Cranston pers. comm. to P. Ashe), pupa (Murray and Ashe, 1981), the adult male (Fittkau, 1955; Sæther, 1989) and adult female (Murray and Ashe, 1986). The ecology is incompletely known but *B. thienemanni* is almost certainly ectoparasitic on a species of Trichoptera but the identity of the host is unknown (Ashe, 1995; Ashe and O'Connor, 2002). The adult female of *B. burmanica* is described (Brundin and Sæther 1978) whereas the immature stages of both *B. burmanica* and *B. brundini* are unknown as is the adult female of the latter.

The discovery of a Neotropical *Buchonomyia* species in a rainforest area of Costa Rica (Andersen and Sæther, 1995) was something of a surprise given that this zoogeographical region is one of the least known (though potentially the richest of all the regions) and because no species have yet been recorded from the Nearctic which is the second most intensively studied region after the Palaearctic. A possible explanation is that most of the widespread records of *B. thienemanni* are based on pupal exuvia collected by drift net in rivers and streams while the adults appear to be rather elusive and mostly avoid the entomologist's

sweep net. This appears to be confirmed by the fact that there are no reports of 19th or early 20th century adult specimens of *B. thienemanni* having been discovered amongst the extensive pinned collections of Chironomidae that exist in many European museums. At one site in Ireland, attempts using sweep-nets to collect adults amongst marginal vegetation along a river were unsuccessful. However, several gravid adult females (from which egg-masses were obtained) were observed on the inside windscreen of the transport vehicle after one of the doors was left open. Adults of two of the described species (*B. burmanica* and *B. brundini*) have only been collected in Malaise traps. The most effective way to determine whether or not *Buchonomyia* is present in a region or area is by the extensive use of drift nets in rivers and streams. The distribution information indicates that *Buchonomyia* could be expected to be more widespread in the Oriental Region and to occur in both the Nearctic and Afrotropical Regions and the eastern Palaearctic.

#### **Subfamily Chilenomyiinae**

The Subfamily Chilenomyiinae (Brundin, 1983), which is only known from the Neotropical Region, is represented by one extant genus with a single included species, *Chilenomyia paradoxa* Brundin. No fossil species have yet been discovered. If the Chilenomyiinae occur in any other zoogeographical regions the most likely are the Australasian (S. E. Australia, New Zealand) and/or the southern Afrotropical and if found in either of these regions would represent a further case of a transantarctic relationship.

Adult males and females of *C. paradoxa* were collected, at two localities in very dense *Notofagus* forest in southern Chile, flying near small brooks coming from springs running or trickling through layers of mouldering leaves (Brundin, 1983). A search for the larvae and pupae in this habitat by Brundin was negative. Discovery of the larvae and pupae, and in particular determining the presence or absence of a larval premandible, will be crucial in resolving its phylogenetic placement.

#### **Subfamily Podonominae**

The Subfamily Podonominae is currently represented by 15 extant genera and 158 species (Tables 4 and 6). One additional genus, Genus "Chile" of Brundin (1966: 288), from southern Chile in the Neotropical Region is only known and described in the pupal stage but has not been formally named because the adults are unknown. The subfamily includes the only known extant chironomid genera (*Archaeochlus* Brundin and *Austrochlus* Cranston) which possess biting mouthparts in the adult female though what, if any host, provides a blood meal is unknown.

Some fossil Podonominae genera, including adults and pupae, and some fossil species belonging to extant genera have been described. However, the fossil genus *Libanochlites* Brundin from the Lower Cretaceous of Lebanon, originally placed in the Podonominae (Brundin, 1976), now belongs in the Tanypodinae (Azar *et al.*, 2008).

Two tribes, Boreochlini and Podonomini, are currently recognised in the Podonominae and the genera assigned to each tribe are given in Table 1 below. The genus *Trichotanypus* Kieffer, assigned to the Boreochlini in Brundin (1966) has since been transferred to the Podonomini by Cranston and Edward (1998) with the result that the two tribes are now

monophyletic.

The most widespread and species rich genus, with 48 species, is *Parochlus* Enderlein which is known from five zoogeographical regions though only one species, *P. kiefferi* (Garrett) with a Holarctic distribution, occurs in the northern hemisphere. The next most widespread genera are *Boreochlus* Edwards and *Paraboreochlus* Thienemann each with species in the Nearctic, Palaeartic and Oriental Regions. Six of the 15 genera are only known from a single zoogeographical region.

<p><b>BOREOCHLINI (7)</b>  <i>Afrochlus</i>  <i>Archaeochlus</i>  <i>Austrochlus</i>  <i>Boreochlus</i>  <i>Lasiodiamesa</i>  <i>Paraboreochlus</i>                      (?) <i>Shilovia</i></p>	<p><b>PODONOMINI (8)</b>  <i>Microzetia</i>  <i>Parochlus</i>  <i>Podochlus</i>  <i>Podonomopsis</i>  <i>Podonomus</i>  <i>Rheochlus</i>  <i>Trichotanypus</i>  <i>Zelandochlus</i></p>
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**TABLE 1. The two extant tribes currently recognized in the Subfamily Podonominae and the number (in parentheses) of genera assigned to each tribe. The tribe placement of *Shilovia* is uncertain because the larvae and pupae are unknown.**

The genus *Parochlus* originated in the cooler waters of the high Andes and southern Neotropical latitudes. The presence of a single widespread species (*P. kiefferi*) in the northern hemisphere can be attributed to dispersal from the Neotropics along the almost continuous chain of mountains that extend from southern Chile to Arctic Canada. We expect that there is a sequence of related species that become progressively younger in age when progressing from the southern Neotropics to the northern Andes, through Central America and the North American Rockies with the terminal and youngest species being *P. kiefferi*.

Of the named valid taxa there are 10 genera and 129 species (81%) known from the southern hemisphere and six genera and 30 species (19%) in the northern hemisphere with one genus (*Parochlus*) common to both hemispheres. No Podonominae are known from the Oceanian Region. The richest region in terms of genera is the Australasian with seven, followed by the Palaeartic with six, the Neotropical and Nearctic each with five genera and the Antarctic, Afrotropical and Oriental Regions with two genera each. However, Genus “Chile” (noted above) when formally named and described will increase the Neotropical total to six genera. In terms of species the Neotropical Region is the richest with 85 or 54% of all the described species.



### Subfamily Aphroteniinae

The Subfamily Aphroteniinae was erected by Brundin (1966) and contains three extant genera (*Aphrotenia* Brundin, *Aphroteniella* Brundin and *Paraphrotenia* Brundin) and eight described species all of which are confined to parts of the Neotropical (Argentina, Chile), Afrotropical (South Africa) and Australasian (Australia) Regions. The current distribution in the southern continents is in areas which were formerly part of Gondwana.

Fossil Aphroteniinae have so far only been described from the Taimyr Peninsula of northern Siberia (Kalugina, 1980) in the Palaeartic. Two tribes are recognised, Aphroteniini for all extant genera and species and Electroteniini for all the fossil genera and species.

### Subfamily Tanypodinae

In the Tanypodinae, there are currently 57 genera and 575 valid species and it is the third largest subfamily after the Chironominae and Orthoclaudiinae. Eight tribes are recognised in the Tanypodinae and these are in alphabetical sequence:- Anatopyniini, Coelopyniini, Coelotanypodini, Macropelopiini, Natarsiini, Pentaneurini, Procladiini and Tanypodini. A full listing of all the genera assigned to each tribe is given in Table 2. The placement of both *Laurotanypus* Oliveira, Messias & Silva-Vasconcelos and *Lepidopelopia* Harrison within the Procladiini is not certain and queried because the immature stages are unknown.

The fossil genus *Libanochlites* Brundin (from the Lower Cretaceous of Lebanon) now belongs in the Tanypodinae (Azar *et al.*, 2008) but was originally placed in the Podonominae by Brundin (1976).

The four most widespread genera, *Ablabesmyia* Johannsen, *Clinotanypus* Kieffer, *Larsia* Fittkau and *Paramerina* Fittkau, are known from seven of the eight zoogeographical regions. The most diverse region at present based on the number of genera is the Nearctic with 40 followed by the Palaeartic with 39 (Table 4). However, when the number of species is compared the Palaeartic is richer with 171 species compared to the Nearctic with 147 (Table 5). The relative richness of the remaining regions, with the ratio of genera to species, is as follows:- Neotropical (26:94), Oriental (24:138), Afrotropical (20:71), Australasian (20:36) and Oceanian (5:14). The only region for which no Tanypodinae have yet been recorded is Antarctica.

One recurring phenomenon is that genera which are first described from higher latitudes in the Nearctic are frequently discovered in the eastern Palaeartic but in a number of cases appear to be absent from the western Palaeartic. This discrepancy between the eastern and western Palaeartic may be related to successive glaciation events which may have cause the extinction of some of these genera in Europe.

Transantarctic relationships in the Tanypodinae have not yet been demonstrated at generic level but there are indications in the comments by Edwards (1931) and Freeman (1959) that some of the valid species, but generically unplaced Macropelopiini, from New Zealand and Patagonia may be related to one another.

### Subfamily Usambaromyiinae

Of the eleven extant subfamilies of Chironomidae, currently recognised, the Usambaromyiinae is the most recently described and to date is only known from the

Afrotropical Region (Andersen and Sæther, 1994). The subfamily contains a single genus with one included species, *Usambaromyia nigrata* Andersen & Sæther, which is so far only known from the type-locality at 1510 to 1535 metres a. s. l. in the Tanga region of the West Usambara Mountains in Tanzania. No fossil species of this subfamily have yet been discovered. Since the majority of chironomids are aquatic and the adults were collected near the Kaputu Stream it is quite likely that this is the habitat where the immature stages will be found.

<b>ANATOPYNIINI (1)</b> <i>Anatopynia</i>	<b>PENTANEURINI (33)</b> <i>Ablabesmyia</i> <i>Ablabesmyia</i> <i>Asayia</i> <i>Karelia</i> <i>Sartaia</i>	<b>PENTANEURINI contd</b> <i>Pentaneura</i> <i>Pentaneurella</i> <i>Reomyia</i> <i>Rheopelopia</i> <i>Schineriella</i> <i>Telmatopelopia</i> <i>Telopelopia</i> <i>Thienemannimyia</i> <i>Trissopelopia</i> <i>Xenopelopia</i> <i>Zavrelimyia</i>
<b>COELOPYNIINI (1)</b> <i>Coelopynia</i>	<i>Amnihayesomyia</i>	
<b>COELOTANYPODINI (3)</b> <i>Clinotanypus</i> <i>Aponteus</i> <i>Clinotanypus</i> <i>Coelotanypus</i> <i>Naelotanypus</i>	<i>Arctopelopia</i> <i>Australopelopia</i> <i>Cantopelopia</i> <i>Chrysopelopia</i> <i>Coffmania</i> <i>Conchapelopia</i> <i>Denopelopia</i> <i>Guttipelopia</i> <i>Hayesomyia</i> <i>Helopelopia</i> <i>Hudsonimyia</i> <i>Krenopelopia</i> <i>Labrundinia</i> <i>Larsia</i> <i>Lobomyia</i> <i>Meropelopia</i> <i>Monopelopia</i> <i>Nilotanypus</i> <i>Paramerina</i> <i>Parapentaneura</i>	
<b>MACROPELOPIINI (12)</b> <i>Alotanypus</i> <i>Apsectrotanypus</i> <i>Bethbilbeckia</i> <i>Bilyjomyia</i> <i>Brundiniella</i> <i>Derotanypus</i> <i>Fittkauimyia</i> <i>Gressittius</i> <i>Guassutanypus</i> <i>Macropelopia</i> <i>Psectrotanypus</i> <i>Radotanypus</i>		<b>PROCLADIINI (5)</b> <i>Djalmabatista</i> (?) <i>Laurotanypus</i> (?) <i>Lepidopelopia</i> <i>Procladius</i> <i>Holotanypus</i> <i>Procladius</i> <i>Psilotanypus</i> <i>Saetheromyia</i>
<b>NARTARSIINI (1)</b> <i>Natarsia</i>		<b>TANYPODINI (1)</b> <i>Tanypus</i> <i>Apelopia</i> <i>Tanypus</i>

TABLE 2. The eight extant tribes currently recognized in the Subfamily Tanypodinae and the number (in parentheses) of genera assigned to each tribe - subgenera are indented.

The described adult males and females were collected in a Malaise trap and possess a number of unique diagnostic features. In Andersen and Sæther (1994), the Subfamily Usambaromyiinae was placed phylogenetically as the sister group to the Tanypodinae + Podonominae + Aphroteniinae. More recently in Sæther (2000) the phylogenetic position has the Usambaromyiinae + Tanypodinae as sister groups and these two combined form the sister group to the Podonominae + Aphroteniinae. The larvae and pupae are unknown which is a considerable hindrance in determining the exact phylogenetic position of the subfamily.

It would be interesting to discover whether or not the larval morphology is more typical in form or if it is tanypodine-like. If the latter proves to be the case it would help to confirm its phylogenetic position as the sister group to the Tanypodinae.

### Subfamily Diamesinae

The Subfamily Diamesinae is the fourth largest of the eleven subfamilies and is at present represented by 22 genera and 216 species of which about half (107) belong to the genus *Diamesa* Meigen (Tables 4 & 6). There are six extant tribes currently recognised in the Diamesinae and these are in alphabetical sequence:- Boreoheptagyini, Diamesini, Harrisoniini, Heptagyini, Lobodiamesini and Protanypodini. A full listing of all the genera assigned to each tribe is given in Table 3. One fossil tribe, Cretodiamesini, containing the single genus *Cretodiamesa* Kalugina, has been described from the Upper Cretaceous of Siberia (Kalugina, 1976). Fossil species have been described which belong to several extant genera. The Diamesinae appear to be non-monophyletic (Cranston, 1995: 48), i.e. paraphyletic, as there seems to be no single character or group of characters which will separate the subfamily from the Prodiamesinae and the Orthocladiinae.

The most diverse region based on the ratio of genera to species is the Palaearctic (14:139) followed by the Nearctic (11:55), Oriental (8:34), Neotropical (6:11), Australasian (3:8) and Afrotropical (2:4). There are no Diamesinae yet known from the Oceanian or Antarctic Regions. The absence so far from the Antarctic Region is somewhat of a surprise since transantarctic relationships are proven and it is essentially a cold adapted group. Transantarctic relationships have been demonstrated at tribal level linking all the genera which constitute the Harrisoniini, Heptagyini and Lobodiamesini though only one genus, *Parahepalygia* Brundin, is known to be transantarctic with species in both the Neotropics and S. E. Australia.

The genus *Diamesa* probably evolved in cold northern hemisphere habitats (arctic or high mountains) but has spread southwards into adjoining zoogeographical regions by dispersal. Its southernmost known distribution in the Oriental region is Borneo (Mt Kinabalu), in the Afrotropical region is the East African Highlands and in the Neotropical region extends as far south as Patagonia. The fact that *Diamesa* has managed to reach so far south in the Neotropics is due to the presence of an almost continuous chain of mountains extending from the Canadian Rockies down to the Patagonian Andes. We expect that an investigation of the Neotropical *Diamesa* species will show an evolutionary gradation from a postulated youngest species in Patagonia to successively older species in the central and northern Andes through the mountains of Central America and Mexico, the southern Rockies and back to an ancestor in the Arctic Canadian Rockies.

The number of described Diamesinae in the Palaearctic is over twice the figure known in the Nearctic. This partly reflects greater activity over recent years on this group, particularly in the Eastern Palaearctic, and that the Palaearctic should be richer in species because it has more isolated and extensive mountainous areas and is over twice the land area of the Nearctic. In the northern hemisphere, genera which are currently endemic to the Palaearctic, e.g. *Kaluginia* Makarchenko and *Linevitshia* Makarchenko, are likely eventually be discovered at least in the Nearctic.

<p><b>BOREOHEPTAGYIINI (1)</b> <i>Boreoheptagyia</i></p>	<p><b>HARRISONIINI (1)</b> <i>Harrisonina</i></p>
<p><b>DIAMESINI (12)</b> <i>Arctodiamesa</i> <i>Diamesa</i> <i>Kaluginia</i> <i>Lappodiamesa</i> <i>Linevitshia</i> <i>Pagastia</i> <i>Hesperodiamesa</i> <i>Pagastia</i> <i>Potthastia</i> <i>Pseudodiamesa</i> <i>Pachydiamesa</i> <i>Pseudodiamesa</i> <i>Pseudokiefferiella</i> <i>Sasayusurika</i> <i>Sympotthastia</i> <i>Syndiamesa</i></p>	<p><b>HEPTAGYIINI (6)</b> <i>Heptagyia</i> <i>Limaya</i> <i>Maoridiamesa</i> <i>Mapucheptagyia</i> <i>Paraheptagyia</i> <i>Reissmesa</i></p>
	<p><b>LOBODIAMESINI (1)</b> <i>Lobodiamesa</i></p>
	<p><b>PROTANYPINI (1)</b> <i>Protanypus</i></p>

**TABLE 3. The six extant tribes currently recognised in the Subfamily Diamesinae and the number (in parentheses) of genera assigned to each tribe - subgenera are indented.**

### Subfamily Prodiamesinae

In the Prodiamesinae, four extant genera are currently recognised which include a total of 23 described species of which half belong to the genus *Monodiamesa* Kieffer. The ratio of genera to species by Zoogeographical Region is as follows:- Palaearctic (4:15), Nearctic (4:10), Neotropical (2:1) and Oriental (2:0). Records for some genera in a few zoogeographical regions are based on unnamed or undescribed material. Prodiamesinae have not been reported from the Antarctic, Afrotropical, Australasian or Oceanian Regions.

Several fossil Prodiamesinae have been described and although the subfamily is not likely

to be numerous in the fossil record additional discoveries are to be expected.

The presence of both *Monodiamesa* Kieffer and *Prodiamesa* Kieffer in the Neotropical Region can be attributed to dispersal from the northern hemisphere along the North American Rockies, along the mountains of Central America and down the Andes Mountains. We expect that evidence of this dispersal exists in the form of a series of related but progressively younger species when travelling from north to south. Whether or not *Monodiamesa* has managed to reach the high mountain lakes of the East African Highlands in the Afrotropical Region remains to be investigated.

### Subfamily Telmatogetoninae

The Subfamily Telmatogetoninae includes 39 described species in two valid genera, *Telmatogeton* Schiner and *Thalassomya* Schiner, the former with 28 species and the latter with 11 species. *Telmatogeton* is known from all eight zoogeographical regions but *Thalassomya* is recorded from seven and has yet to be found in Antarctica. The proportion of genera to species by zoogeographical region is as follows:- Oceania (2:13), Neotropical (2:11), Australasian (2:8), Nearctic (2:7), Palearctic (2:6), Oriental (2:5), Afrotropical (2:4) and Antarctic (1:3). The numbers of species per region are interesting with Oceania dominating for the first and only time at subfamily level with 13 species and followed closely by the Neotropical with 11 species. A closer examination of the numbers and distribution data of each species shows that 28 of the 39 species are found within or bordering the Pacific Ocean area and indicates that this is where they evolved. To be more precise, they most likely evolved somewhere along the west coast of the Americas, but where exactly it is difficult to say, though the coast of Chile or the coast around the almost enclosed Weddel Sea (more than 130 million years ago) are likely possibilities.

The representatives of these two genera are predominantly marine but in two widely separated localities freshwater forms have evolved from marine ancestors. In the Hawaiian Islands, there are five described freshwater species of *Telmatogeton* and the first freshwater species of *Thalassomya* was described by Oliveira (2000) from specimens collected in Kenya. The Telmatogetoninae have evolved from a freshwater ancestor, conquered and diversified in the rocky shore marine environment and in a couple of instances (Hawaii and Kenya) have re-conquered freshwater.

No fossil species are yet known for the Telmatogetoninae and because the majority of species are associated with marine rocky shore habitats fossils are likely to be rare.

In his review of the genus *Telmatogeton*, Wirth (1947: 187) remarks on the fact that the species *T. trochanteratum* Edwards (from southern Chile) is allied to *T. sanctipauli* Schiner (from the southern Afrotropical region and some Subantarctic Islands). He states: "It is interesting to speculate on how these allied species came to be separated at the southern extremities of two now widely separated southern hemisphere continents." The logical explanation is that this is the first case in the Telmatogetoninae and a further instance in the Chironomidae of transantarctic relationships which date back to the time when the southern continents formed a single landmass. The separation of South America from Africa began in the early Cretaceous period about 125 to 130 million years ago which is therefore the minimum age of the Telmatogetoninae.

## SUMMARY OF DATA IN PART 1 BY ZOOGEOGRAPHICAL REGION

### Antarctica

Antarctica, as expected, is by far the smallest zoogeographical region in terms of the numbers of genera and species recorded. Of the subfamilies treated here only the Podonominae (with three species in two genera: *Microzetia* (1) and *Parochlus* (2)) and Telmatogetoninae (with three species all in the genus *Telmatogeton*) are represented making a total of only six species. A few additional species can be expected from the subantarctic islands most of which are poorly investigated for chironomids. The absence of the Diamesinae is unexpected given that it is essentially a cold-adapted group with proven transantarctic connections.

### Neotropical

The Neotropical Region, although one of the least known, is potentially the richest of all the regions in both numbers of expected genera and species. Eight of the nine subfamilies are represented with only the Usambaromyiinae not recorded there. It is currently the third richest region (after the Palaearctic and Nearctic) with 45 genera and 206 species recorded (Tables 7 and 8). It is expected that the number of valid species will soon surpass the Nearctic total of 234 species. Since 1987, there have been 48 species added to the Neotropical fauna but during the same period the Nearctic has only seen an increase of 10 species (Table 9).

The Neotropical Region is likely to have a larger percentage of endemic genera. An even larger percentage of genera have evolved there but many have spread northwards by dispersal into at least the southern Nearctic. Other genera, which existed in Gondwanaland over 130 million years ago (when the southern continents were joined together), display transantarctic connection and were carried passively by continental drift and now exist in the Neotropical, and/or the Australasian (primarily S. E. Australia, New Zealand) and/or the southern Afrotropical Region.

### Nearctic

The Nearctic is, at present, the second richest region with 62 genera and 234 species recorded (Table 7 and 8). Only 10 species have been added to the fauna since 1987 (Table 9). Quite a few genera, which are essentially Neotropical in origin, have spread northwards by dispersal into the southern Nearctic with a few reaching Canada. The majority of such genera are confined to the Americas and cannot be expected to occur in other zoogeographical regions.

### Palaearctic

Currently the richest region is the Palaearctic with 66 genera and 349 species known (Table 7 and 8). A considerable number of additions are to be expected particularly along the southern fringes and in the eastern Palaearctic. In 1987, the numbers of genera and species in the Palaearctic and Nearctic were comparable (Ashe *et al.*, 1987) but since then the number of species in the Palaearctic has increased by 104 while the Nearctic during the same period has only increased by 10 species.

### **Afrotropical**

For the Afrotropical Region, there are currently 28 genera and 86 species recorded (Tables 7 and 8) with only nine additional species added since 1987 (Table 9). More intensive research over recent decades in the Neotropical, Oriental and Australasian regions has seen the Afrotropical Region drop from the third most diverse region in Ashe *et al.* (1987) to its present sixth position after Australasia. A greater investigative effort in studying the Afrotropical Region is likely to see a significant increase in the number of genera and species.

### **Oriental**

In the Oriental Region, there are at present 39 genera and 181 species recorded (Tables 7 and 8). Since 1987, with 92 species added (Table 9), it has been the second most active taxonomic region for Chironomidae after the Palaearctic. The Oriental Region is in a strategic position and has borders with or parts of it are close to four adjoining regions:- Australasia to the south-east, Oceania to the east, the eastern Palaearctic to the north and the Afrotropical to the south-west. It can therefore receive or exchange faunal elements from all four regions. In the longer term, it is likely to prove to be one of the richest of the regions in both genera and species.

### **Australasian**

The Australasian Region has records so far for 35 genera (with one more requiring confirmation) and 92 species (Tables 7 and 8) with five species added since 1987 (Table 9). The five additions do not reflect accurately the real level of chironomid investigations in the region, primarily in Australia, where the effort to document and record the fauna is intense. Many new Australian species have been discovered and the immature stages described (e.g. Cranston, 2001; Madden, 2009) but the formal naming of the new species is a slower process but is progressing well. By comparison with Australia, the New Zealand fauna is moderately well known while investigations of the fauna of the other areas (eastern Indonesia, Papua New Guinea, New Caledonia, the Solomon Islands etc.) has barely begun. Some genera and species can be expected in eastern Indonesia and Papua New Guinea that will not have managed to reach other parts of Australasia to the south and east (e.g. Australia, New Zealand, New Caledonia, Fiji etc.) due partly to their variable isolation distances, expanses of sea and climatic factors.

### **Oceania**

The Oceanian Region is the least known of all the regions with only two subfamilies, seven genera and 27 species known (Table 7 and 8) and three species added since 1987 (Table 9). This is partially due to a lack of any resident expertise, a lower diversity and range of habitats, fewer aquatic ecological investigations and geographical factors (many isolated islands or island groups separated by large expanses of open ocean) which makes comprehensive sampling over a wide area very difficult and expensive. Despite these problems the Oceanian Region is significant in one respect. For the predominantly marine Telmatogetoninae, it has 13 species, the largest number for any region and which represents 33% of the known species. A considerable number of additional genera and species are

expected, with the greatest diversity likely to be in western Oceania though decreasing progressively towards eastern Oceania. The fauna will not be very rich in species compared with the six major regions (for the same geographical factors noted above) but it will remain, in terms of diversity, considerably ahead of the Antarctic Region.



**TABLE 4. List of all valid genus-group taxa and known zoogeographical distribution.**  
**Total = Running total for all genus-group taxa in Part 1.**  
**Gen = Running total for valid genera in each subfamily.**  
**G&S = Running total for valid genus-group names (genera & subgenera) in each subfamily.**  
**# = Confirmed Genus/Subgenus record; ® = Record requires confirmation.**

Total	Gen	G&S	BUCHONOMYIINAE (1)	AN	NT	NE	PA	AF	OR	AU	OC
1	1	1	BUCHONOMYIA (3)	-	#	-	#	-	#	-	-
2	1	1	CHILENOMYIINAE (1) CHILENOMYIA (1)	AN	NT	NE	PA	AF	OR	AU	OC
				-	#	-	-	-	-	-	-
3	1	1	PODONOMINAE (15) AFROCHLUS (1)	AN	NT	NE	PA	AF	OR	AU	OC
				-	-	-	-	#	-	-	-
4	2	2	ARCHAEOCHLUS (3)	-	-	-	-	#	-	-	-
5	3	3	AUSTROCHLUS (3)	-	-	-	-	-	-	#	-
6	4	4	BOREOCHLUS (7)	-	-	#	#	-	#	-	-
7	5	5	LASIODIAMESA (8)	-	-	#	#	-	-	-	-
8	6	6	MICROZETIA (1)	#	-	-	-	-	-	-	-
9	7	7	PARABOREOCHLUS (3)	-	-	#	#	-	#	-	-
10	8	8	PAROCHLUS (48)	#	#	#	#	-	-	#	-
11	9	9	PODOCHLUS (22)	-	#	-	-	-	-	#	-
12	10	10	PODONOMOPSIS (7)	-	#	-	-	-	-	#	-
13	11	11	PODONOMUS (40)	-	#	-	-	-	-	#	-
14	12	12	RHEOCHLUS (3)	-	#	-	-	-	-	#	-
15	13	13	SHILOVIA (1)	-	-	-	#	-	-	-	-
16	14	14	TRICHOTANYPUS (10)	-	-	#	#	-	-	-	-
17	15	15	ZELANDOCHLUS (1)	-	-	-	-	-	-	#	-
18	1	1	APHROTENIINAE (3) APHROTENIA (3)	AN	NT	NE	PA	AF	OR	AU	OC
				-	-	-	-	#	-	#	-
19	2	2	APHROTENIELLA (2)	-	#	-	-	-	-	#	-
20	3	3	PARAPHROTENIA (3)	-	#	-	-	-	-	#	-

TABLE 4 contd												
Total	Gen	G&S	TANYPODINAE (57)	AN	NT	NE	PA	AF	OR	AU	OC	
21	1	1	ABLABESMYIA (60)	-	#	#	#	#	#	#	#	
22		2	Subg. ABLABESMYIA (42)	-	#	#	#	#	#	#	#	
23		3	Subg. ASAYIA (1)	-	#	#	-	-	-	-	-	
24		4	Subg. KARELIA (14)	-	#	#	#	#	#	-	-	
25		5	Subg. SARTAIA (1)	-	#	-	-	-	-	-	-	
			ABLABESMYIA ?Subgenus (2)	-	#	-	-	-	-	-	-	
26	2	6	ALOTANYPUS (4)	-	#	#	#	-	-	#	-	
27	3	7	AMNIHAYESOMYIA (1)	-	-	-	#	-	-	-	-	
28	4	8	ANATOPYNIA (1)	-	-	-	#	-	-	-	-	
29	5	9	APSECTROTANYPUS (7)	-	#	#	#	#	#	#	-	
30	6	10	ARCTOPELOPIA (4)	-	-	#	#	-	-	-	-	
31	7	11	AUSTRALOPELOPIA (1)	-	-	-	-	-	-	#	-	
32	8	12	BETHBILBECKIA (1)	-	#	#	-	-	-	-	-	
33	9	13	BILYJOMYIA (2)	-	-	#	#	-	-	-	-	
34	10	14	BRUNDINIELLA (2)	-	#	#	#	-	-	-	-	
35	11	15	CANTOPELOPIA (3)	-	-	#	-	#	-	-	-	
36	12	16	CHRYSOPELOPIA (1)	-	-	-	-	#	-	-	-	
37	13	17	CLINOTANYPUS (44)	-	#	#	#	#	#	#	#	
38		18	Subg. APONTEUS (1)	-	-	#	-	-	-	-	-	
39		19	Subg. CLINOTANYPUS (43)	-	#	#	#	#	#	#	#	
40	14	20	COELOPYNIA (1)	-	-	-	-	-	-	#	-	
41	15	21	COELOTANYPUS (21)	-	#	#	-	#	-	#	-	
42	16	22	COFFMANIA (3)	-	-	-	#	-	#	-	-	
43	17	23	CONCHAPELOPIA (39)	-	®	#	#	#	#	®	-	
44	18	24	DENOPELOPIA (4)	-	#	#	-	-	#	-	-	
45	19	25	DEROTANYPUS (4)	-	-	#	#	-	-	-	-	
46	20	26	DJALMABATISTA (11)	-	#	#	#	#	#	#	-	
47	21	27	FITTKAUIMYIA (6)	-	#	#	#	#	#	#	-	
48	22	28	GRESSITIUS (2)	-	-	-	-	-	-	#	-	
49	23	29	GUASSUTANYPUS (1)	-	#	-	-	-	-	-	-	
50	24	30	GUTTIPELOPIA (2)	-	-	#	#	-	-	-	-	
51	25	31	HAYESOMYIA (10)	-	-	#	#	-	#	#	-	
52	26	32	HELOPELOPIA (2)	-	-	#	-	-	-	-	-	
53	27	33	HUDSONIMYIA (2)	-	-	#	-	-	-	-	-	
54	28	34	KRENOPELOPIA (6)	-	®	#	#	-	#	-	-	
55	29	35	LABRUNDINIA (15)	-	#	#	#	-	#	-	-	
56	30	36	LARSIA (26)	-	#	#	#	#	#	#	#	
57	31	37	LAUROTANYPUS (1)	-	#	-	-	-	-	-	-	
58	32	38	LEPIDOPELOPIA (1)	-	-	-	-	#	-	-	-	
59	33	39	LOBOMYIA (1)	-	-	-	#	-	-	-	-	

TABLE 4 contd			TANYPODINAE contd								
Total	Gen	G&S		AN	NT	NE	PA	AF	OR	AU	OC
60	34	40	MACROPELOPIA (14)	-	#	#	#	#	#	-	#
61	35	41	MEROPELOPIA (2)	-	#	#	#	-	-	-	-
62	36	42	MONOPELOPIA (8)	-	#	#	#	#	#	#	-
63	37	43	NAELOTANYPUS (1)	-	#	-	-	-	-	-	-
64	38	44	NATARSIA (6)	-	-	#	#	-	#	-	-
65	39	45	NILOTANYPUS (9)	-	#	#	#	#	#	#	-
66	40	46	PARAMERINA (28)	-	#	#	#	#	#	#	#
67	41	47	PARAPENTANEURA (1)	-	#	-	-	-	-	-	-
68	42	48	PENTANEURA (6)	-	#	#	-	-	-	-	-
69	43	49	PENTANEURELLA (1)	-	-	-	#	-	-	-	-
70	44	50	PROCLADIUS (69)		#	#	#	#	#	#	-
71		51	Subg. HOLOTANYPUS (39)	-	-	#	#	#	#	-	-
72		52	Subg. PROCLADIUS (11)	-	#	-	-	#	#	#	-
73		53	Subg. PSILOTANYPUS (14)	-	#	#	#	#	#	-	-
74			PROCLADIUS ?Subgenus (5)	-	-	-	-	-	#	-	-
75	45	54	PSECTROTANYPUS (7)	-	®	#	#	#	#	-	-
76	46	55	RADOTANYPUS (2)	-	-	#	-	-	-	-	-
77	47	56	REOMYIA (1)	-	-	#	-	-	-	-	-
78	48	57	RHEOPELOPIA (9)	-	-	#	#	-	#	#	-
79	49	58	SAETHEROMYIA (1)	-	-	-	#	-	-	-	-
80	50	59	SCHINERIELLA (1)	-	-	-	#	-	-	-	-
81	51	60	TANYPUS (30)	-	#	#	#	#	#	#	-
82		61	Subgenus APELOPIA (5)	-	#	#	-	-	#	-	-
83		62	Subg. TANYPUS (25)	-	#	#	#	#	#	#	-
84	52	63	TELMATOPELOPIA (1)	-	-	-	#	-	-	-	-
85	53	64	TELOPELOPIA (2)	-	-	#	#	-	-	-	-
86	54	65	THIENEMANNIMYIA (18)	-	#	#	#	#	#	#	-
87	55	66	TRISSOPELOPIA (6)	-	-	#	#	#	#	-	-
88	56	67	XENOPELOPIA (3)	-	-	#	#	-	-	-	-
89	57	68	ZAVRELIMYIA (17)	-	#	#	#	-	#	#	-
			<b>Valid Generically Unplaced</b>								
			Tribe MACROPELOPIINI (23)	-	-	#	-	-	-	#	#
			Tribe PENTANEURINI (4)	-	-	-	-	-	-	#	#
			Subfamily TANYPODINAE (16)	-	#	-	-	-	#	-	-
<b>Total</b>	<b>Gen</b>	<b>G&amp;S</b>	<b>USAMBAROMYIINAE (1)</b>	<b>AN</b>	<b>NT</b>	<b>NE</b>	<b>PA</b>	<b>AF</b>	<b>OR</b>	<b>AU</b>	<b>OC</b>
89	1	1	USAMBAROMYIA (1)	-	-	-	-	#	-	-	-

TABLE 4 contd

Total	Gen	G&S	DIAMESINAE (22)	AN	NT	NE	PA	AF	OR	AU	OC
90	1	1	ARCTODIAMESA (4)	-	-	#	#	-	-	-	-
91	2	2	BOREOHEPTAGYIA (22)	-	-	#	#	-	#	-	-
92	3	3	DIAMESA (107)	-	#	#	#	#	#	-	-
93	4	4	HARRISONINA (1)	-	-	-	-	#	-	-	-
94	5	5	HEPTAGYIA (1)	-	#	-	-	-	-	-	-
95	6	6	KALUGINIA (1)	-	-	-	#	-	-	-	-
96	7	7	LAPPODIAMESA (4)	-	-	#	#	-	-	-	-
97	8	8	LIMAYA (1)	-	#	-	-	-	-	-	-
98	9	9	LINEVITSHIA (2)	-	-	-	#	-	-	-	-
99	10	10	LOBODIAMESA (1)	-	-	-	-	-	-	#	-
100	11	11	MAORIDIAMESA (5)	-	-	-	-	-	-	#	-
101	12	12	MAPUCHEPTAGYIA (1)	-	#	-	-	-	-	-	-
102	13	13	PAGASTIA (8)	-	-	#	#	-	#	-	-
103		14	Subg. HESPERODIAMESA (1)	-	-	#	-	-	-	-	-
104		15	Subg. PAGASTIA (7)	-	-	#	#	-	#	-	-
105	14	16	PARAHEPTAGYIA (7)	-	#	-	-	-	-	#	-
106	15	17	POTTHASTIA (4)	-	-	#	#	-	#	-	-
107	16	18	PROTANYPUS (10)	-	-	#	#	-	#	-	-
108	17	19	PSEUDODIAMESA (11)	-	-	#	#	-	#	-	-
109		20	Subg. PACHYDIAMESA (1)	-	-	#	-	-	-	-	-
110		21	Subg. PSEUDODIAMESA (10)	-	-	#	#	-	#	-	-
111	18	22	PSEUDOKIEFFERIELLA (1)	-	-	#	#	-	-	-	-
112	19	23	REISSMESA (3)	-	#	-	-	-	-	-	-
113	20	24	SASAYUSURIKA (1)	-	-	-	#	-	#	-	-
114	21	25	SYMPOTTHASTIA (10)	-	-	#	#	-	#	-	-
115	22	26	SYNDIAMESA (11)	-	-	#	#	-	-	-	-
<b>Total</b>	<b>Gen</b>	<b>G&amp;S</b>	<b>PRODIAMESINAE (4)</b>	<b>AN</b>	<b>NT</b>	<b>NE</b>	<b>PA</b>	<b>AF</b>	<b>OR</b>	<b>AU</b>	<b>OC</b>
116	1	1	COMPTEROMESA (2)	-	-	#	#	-	-	-	-
117	2	2	MONODIAMESA (12)	-	#	#	#	-	#	-	-
118	3	3	ODONTOMESA (3)	-	-	#	#	-	#	-	-
119	4	4	PRODIAMESA (6)	-	#	#	#	-	-	-	-
<b>Total</b>	<b>Gen</b>	<b>G&amp;S</b>	<b>TELMATOGETONINAE (2)</b>	<b>AN</b>	<b>NT</b>	<b>NE</b>	<b>PA</b>	<b>AF</b>	<b>OR</b>	<b>AU</b>	<b>OC</b>
120	1	1	TELMATOGETON (28)	#	#	#	#	#	#	#	#
121	2	2	THALASSOMYA (11)	-	#	#	#	#	#	#	#

**TABLE 5. Numbers of valid species known for all genus-group taxa by zoogeographical region and the total for each subfamily for each region.**

**Total = Running total for all genus-group taxa in Part 1.**

**Gen = Running total for valid genera in each subfamily.**

**G&S = Running total for valid genus-group names (genera & subgenera) in each subfamily.**

**# = Confirmed Genus/Subgenus record; ® = Record requires confirmation.**

Total	Gen	G&S	BUCHONOMYIINAE (1)	AN	NT	NE	PA	AF	OR	AU	OC
1	1	1	BUCHONOMYIA (3)	-	1	-	1	-	1	-	-
<b>Total</b>				<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
				AN	NT	NE	PA	AF	OR	AU	OC
2	1	1	CHILENOMYIINAE (1) CHILENOMYIA (1)	-	1	-	-	-	-	-	-
<b>Total</b>				<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
				AN	NT	NE	PA	AF	OR	AU	OC
3	1	1	PODONOMINAE (15) AFROCHLUS (1)	-	-	-	-	1	-	-	-
4	2	2	ARCHAEOCHLUS (3)	-	-	-	-	3	-	-	-
5	3	3	AUSTROCHLUS (3)	-	-	-	-	-	-	3	-
6	4	4	BOREOCHLUS (7)	-	-	3	2	-	2	-	-
7	5	5	LASIODIAMESA (8)	-	-	5	4	-	-	-	-
8	6	6	MICROZETIA (1)	1	-	-	-	-	-	-	-
9	7	7	PARABOREOCHLUS (3)	-	-	1	2	-	1	-	-
10	8	8	PAROCHLUS (48)	2	27	1	1	-	-	18	-
11	9	9	PODOCHLUS (22)	-	16	-	-	-	-	6	-
12	10	10	PODONOMOPSIS (7)	-	5	-	-	-	-	2	-
13	11	11	PODONOMUS (40)	-	35	-	-	-	-	5	-
14	12	12	RHEOCHLUS (3)	-	2	-	-	-	-	1	-
15	13	13	SHILOVIA (1)	-	-	-	1	-	-	-	-
16	14	14	TRICHOTANYPUS (10)	-	-	5	7	-	-	-	-
17	15	15	ZELANDOCHLUS (1)	-	-	-	-	-	-	1	-
<b>Total</b>				<b>3</b>	<b>85</b>	<b>15</b>	<b>17</b>	<b>4</b>	<b>3</b>	<b>36</b>	<b>0</b>
Total	Gen	G&S	APHROTENIINAE (3)	AN	NT	NE	PA	AF	OR	AU	OC
18	1	1	APHROTENIA (3)	-	-	-	-	2	-	1	-
19	2	2	APHROTENIELLA (2)	-	#	-	-	-	-	2	-
20	3	3	PARAPHROTENIA (3)	-	2	-	-	-	-	1	-
<b>Total</b>				<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>0</b>

TABLE 5 contd											
Total	Gen	G&S	TANYPODINAE (57)	AN	NT	NE	PA	AF	OR	AU	OC
21	1	1	ABLABESMYIA (60)	-	8	18	12	13	16	3	4
22		2	Subg. ABLABESMYIA (42)	-	[3]	[10]	[10]	[9]	[14]	[3]	[4]
23		3	Subg. ASAYIA (1)	-	#	[1]	-	-	-	-	-
24		4	Subg. KARELIA (14)	-	[2]	[7]	[2]	[4]	[2]	-	-
25		5	Subg. SARTAIA (1)	-	[1]	-	-	-	-	-	-
			ABLABESMYIA ?Subgenus (2)	-	[2]	-	-	-	-	-	-
26	2	6	ALOTANYPUS (4)	-	1	2	1	-	-	1	-
27	3	7	AMNIHAYESOMYIA (1)	-	-	-	1	-	-	-	-
28	4	8	ANATOPYNIA (1)	-	-	-	1	-	-	-	-
29	5	9	APSECTROTANYPUS (7)	-	#	1	2	1	#	3	-
30	6	10	ARCTOPELOPIA (4)	-	-	2	3	-	-	-	-
31	7	11	AUSTRALOPELOPIA (1)	-	-	-	-	-	-	1	-
32	8	12	BETHBILBECKIA (1)	-	#	1	-	-	-	-	-
33	9	13	BILYJOMYIA (2)	-	-	1	1	-	-	-	-
34	10	14	BRUNDINIELLA (2)	-	#	1	1	-	-	-	-
35	11	15	CANTOPELOPIA (3)	-	-	1	-	2	-	-	-
36	12	16	CHRYSOPELOPIA (1)	-	-	-	-	1	-	-	-
37	13	17	CLINOTANYPUS (44)	-	2	5	9	5	28	1	1
38		18	Subg. APONTEUS (1)	-	-	[1]	-	-	-	-	-
39		19	Subg. CLINOTANYPUS (43)	-	[2]	[4]	[9]	[5]	[28]	[1]	[1]
40	14	20	COELOPYNIA (1)	-	-	-	-	-	-	1	-
41	15	21	COELOTANYPUS (21)	-	19	5	-	1	-	1	-
42	16	22	COFFMANIA (3)	-	-	-	1	-	2	-	-
43	17	23	CONCHAPELOPIA (39)	-	®	10	17	5	10	®	-
44	18	24	DENOPELOPIA (4)	-	1	1	-	-	3	-	-
45	19	25	DEROTANYPUS (4)	-	-	2	3	-	-	-	-
46	20	26	DJALMABATISTA (11)	-	9	1	1	1	2	#	-
47	21	27	FITTKAUIMYIA (6)	-	1	1	2	1	1	1	-
48	22	28	GRESSITIUS (2)	-	-	-	-	-	-	2	-
49	23	29	GUASSUTANYPUS (1)	-	1	-	-	-	-	-	-
50	24	30	GUTTIPELOPIA (2)	-	-	2	1	-	-	-	-
51	25	31	HAYESOMYIA (10)	-	-	1	2	-	9	#	-
52	26	32	HELOPELOPIA (2)	-	-	2	-	-	-	-	-
53	27	33	HUDSONIMYIA (2)	-	-	2	-	-	-	-	-
54	28	34	KRENOPELOPIA (6)	-	®	2	3	-	1	-	-
55	29	35	LABRUNDINIA (15)	-	10	6	1	-	#	-	-
56	30	36	LARSIA (26)	-	5	8	6	9	1	1	1
57	31	37	LAUROTANYPUS (1)	-	1	-	-	-	-	-	-
58	32	38	LEPIDOPELOPIA (1)	-	-	-	-	1	-	-	-
59	33	39	LOBOMYIA (1)	-	-	-	1	-	-	-	-

TABLE 5 contd											
Total	Gen	G&S	TANYPODINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
60	34	40	MACROPELOPIA (14)	-	#	1	10	1	4	-	2
61	35	41	MEROPELOPIA (2)	-	#	2	1	-	-	-	-
62	36	42	MONOPELOPIA (8)	-	4	4	1	1	1	#	-
63	37	43	NAELOTANYPUS (1)	-	1	-	-	-	-	-	-
64	38	44	NATARSIA (6)	-	-	2	4	-	1	-	-
65	39	45	NILOTANYPUS (9)	-	#	3	2	2	2	#	-
66	40	46	PARAMERINA (28)	-	2	5	4	11	7	4	2
67	41	47	PARAPENTANEURA (1)	-	1	-	-	-	-	-	-
68	42	48	PENTANEURA (6)	-	4	3	-	-	-	-	-
69	43	49	PENTANEURELLA (1)	-	-	-	1	-	-	-	-
70	44	50	PROCLADIUS (69)	-	3	22	32	8	13	5	-
71		51	Subg. HOLOTANYPUS (39)	-	-	[18]	[27]	[3]	[4]	-	-
72		52	Subg. PROCLADIUS (11)	-	[1]	-	-	[4]	[1]	[5]	-
73		53	Subg. PSILOTANYPUS (14)	-	[2]	[4]	[5]	[1]	[3]	-	-
74			PROCLADIUS ?Subgenus (5)	-	-	-	-	-	[5]	-	-
75	45	54	PSECTROTANYPUS (7)	-	®	3	3	1	2	-	-
76	46	55	RADOTANYPUS (2)	-	-	2	-	-	-	-	-
77	47	56	REOMYIA (1)	-	-	1	-	-	-	-	-
78	48	57	RHEOPELOPIA (9)	-	-	3	6	-	1	#	-
79	49	58	SAETHEROMYIA (1)	-	-	-	1	-	-	-	-
80	50	59	SCHINERIELLA (1)	-	-	-	1	-	-	-	-
81	51	60	TANYPUS (30)	-	5	12	5	5	10	#	-
82		61	Subgenus APELOPIA (5)	-	[1]	[5]	-	-	#	-	-
83		62	Subg. TANYPUS (25)	-	[4]	[7]	[5]	[5]	[10]	#	-
84	52	63	TELMATOPELOPIA (1)	-	-	-	1	-	-	-	-
85	53	64	TELOPELOPIA (2)	-	-	1	1	-	-	-	-
86	54	65	THIENEMANNIMYIA (18)	-	#	3	14	1	6	#	-
87	55	66	TRISSOPELOPIA (6)	-	-	1	3	1	3	-	-
88	56	67	XENOPELOPIA (3)	-	-	1	2	-	-	-	-
89	57	68	ZAVRELIMYIA (17)	-	#	3	10	-	3	1	-
			<b>Valid Generically Unplaced</b>								
			Tribe MACROPELOPIINI (23)	-	12	-	-	-	-	9	2
			Tribe PENTANEURINI (4)	-	-	-	-	-	-	2	2
			Subfamily TANYPODINAE (16)	-	4	-	-	-	12	-	-
			<b>Total</b>	<b>0</b>	<b>95</b>	<b>147</b>	<b>171</b>	<b>71</b>	<b>137</b>	<b>36</b>	<b>14</b>
<b>Total</b>	<b>Gen</b>	<b>G&amp;S</b>	<b>USAMBAROMYIINAE (1)</b>	<b>AN</b>	<b>NT</b>	<b>NE</b>	<b>PA</b>	<b>AF</b>	<b>OR</b>	<b>AU</b>	<b>OC</b>
90	1	1	USAMBAROMYIA (1)	-	-	-	-	1	-	-	-
			<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

TABLE 5 contd											
Total	Gen	G&S	DIAMESINAE (22)	AN	NT	NE	PA	AF	OR	AU	OC
91	1	1	ARCTODIAMESA (4)	-	-	1	4	-	-	-	-
92	2	2	BOREOHEPTAGYIA (22)	-	-	1	15	-	7	-	-
93	3	3	DIAMESA (107)	-	#	35	67	3	21	-	-
94	4	4	HARRISONINA (1)	-	-	-	-	1	-	-	-
95	5	5	HEPTAGYIA (1)	-	1	-	-	-	-	-	-
96	6	6	KALUGINIA (1)	-	-	-	1	-	-	-	-
97	7	7	LAPPODIAMESA (4)	-	-	1	3	-	-	-	-
98	8	8	LIMAYA (1)	-	1	-	-	-	-	-	-
99	9	9	LINEVITSHIA (2)	-	-	-	2	-	-	-	-
100	10	10	LOBODIAMESA (1)	-	-	-	-	-	-	1	-
101	11	11	MAORIDIAMESA (5)	-	-	-	-	-	-	5	-
102	12	12	MAPUCHEPTAGYIA (1)	-	1	-	-	-	-	-	-
103	13	13	PAGASTIA (8)	-	-	3	6	-	1	-	-
104		14	Subg. HESPERODIAMESA (1)	-	-	[1]	-	-	-	-	-
105		15	Subg. PAGASTIA (7)	-	-	[2]	[6]	-	[1]	-	-
106	14	16	PARAHEPTAGYIA (7)	-	5	-	-	-	-	2	-
107	15	17	POTTHASTIA (4)	-	-	3	4	-	1	-	-
108	16	18	PROTANYPUS (10)	-	-	5	7	-	#	-	-
109	17	19	PSEUDODIAMESA (11)	-	-	3	8	-	2	-	-
110		20	Subg. PACHYDIAMESA (1)	-	-	[1]	-	-	-	-	-
111		21	Subg. PSEUDODIAMESA (10)	-	-	[2]	[8]	-	[2]	-	-
112	18	22	PSEUDOKIEFFERIELLA (1)	-	-	1	1	-	-	-	-
113	19	23	REISSMESA (3)	-	3	-	-	-	-	-	-
114	20	24	SASAYUSURIKA (1)	-	-	-	1	-	1	-	-
115	21	25	SYMPOTTHASTIA (10)	-	-	2	9	-	1	-	-
116	22	26	SYNDIAMESA (11)	-	-	#	11	-	-	-	-
<b>Total</b>				<b>0</b>	<b>11</b>	<b>55</b>	<b>139</b>	<b>4</b>	<b>34</b>	<b>8</b>	<b>0</b>
Total	Gen	G&S	PRODIAMESINAE (4)	AN	NT	NE	PA	AF	OR	AU	OC
117	1	1	COMPTEROMESA (2)	-	-	1	1	-	-	-	-
118	2	2	MONODIAMESA (12)	-	1	4	8	-	#	-	-
119	3	3	ODONTOMESA (3)	-	-	3	1	-	#	-	-
120	4	4	PRODIAMESA (6)	-	#	2	5	-	-	-	-
<b>Total</b>				<b>0</b>	<b>1</b>	<b>10</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Total	Gen	G&S	TELMATOGETONINAE (2)	AN	NT	NE	PA	AF	OR	AU	OC
121	1	1	TELMATOGETON (28)	3	7	5	4	2	2	5	8
122	2	2	THALASSOMYA (11)	0	4	2	2	2	3	3	5
<b>Total</b>				<b>3</b>	<b>11</b>	<b>7</b>	<b>6</b>	<b>4</b>	<b>5</b>	<b>8</b>	<b>13</b>



**TABLE 6. List of all valid taxa (in bold) and known zoogeographical distribution of all species. Total = Running total for all species in Part 1; Subf. = Running total for each subfamily; Gen = Running total for each genus. After each subfamily name the number of genera is given in bold; each genus/subgenus name is followed by the number of species. # = Confirmed Genus/Subgenus record; 1 or [ss] = confirmed species or subspecies record; § = Unnamed species record; ® = Record requires confirmation; ? = Doubtful record**

Total	Subf	Gen		AN	NT	NE	PA	AF	OR	AU	OC
			<b>BUCHONOMYIINAE (1)</b>								
			<b>BUCHONOMYIA (3)</b>	-	#	-	#	-	#	-	-
1	1	1	<b>brundini</b>		1						
2	2	2	<b>burmanica</b>						1		
3	3	3	<b>thienemanni</b>				1				
			<b>CHILENOMYIINAE (1)</b>								
			<b>CHILENOMYIA (1)</b>	-	#	-	-	-	-	-	-
4	1	1	<b>paradoxa</b>		1						
			<b>PODONOMINAE (15)</b>								
			<b>AFROCHLUS (1)</b>	-	-	-	-	#	-	-	-
5	1	1	<b>harrisoni</b>					1			
			<b>ARCHAEOCHLUS (3)</b>	-	-	-	-	#		-	-
6	2	1	<b>bicirratu</b>					1			
7	3	2	<b>biko</b>					1			
8	4	3	<b>drakensbergensis</b>					1			
			<b>AUSTROCHLUS (3)</b>	-	-	-	-	-	-	#	-
9	5	1	<b>brundini</b>							1	
10	6	2	<b>centralaustralis</b>							1	
11	7	3	<b>parabrundini</b>							1	
			<b>BOREOCHLUS (7)</b>	-	-	#	#	-	#	-	-
12	8	1	<b>burmanicus</b>						1		
13	9	2	<b>gracilistylus</b>			1					
14	10	3	<b>longicoxalsetosus</b>				1				
15	11	4	<b>malaisei</b>						1		
16	12	5	<b>persimilis</b>			1					
17	13	6	<b>sinuaticornis</b>			1					
18	14	7	<b>thienemanni</b>				1				
			sp. "Rainier"			§					
			<b>LASIODIAMESA (8)</b>	-	-	#	#	-	-	-	-
19	15	1	<b>arietina</b>			1					
20	16	2	<b>armata</b>				1				
21	17	3	<b>bipectinata</b>				1				
22	18	4	<b>brusti</b>			1					

TABLE 6 contd			PODONOMINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	LASIODIAMESA contd								
23	19	5	<i>gracilis</i>				1				
24	20	6	<i>rawsoni</i>			1					
25	21	7	<i>sphagnicola</i>			1	1				
26	22	8	<i>tenebrosa</i>			1					
			sp. "Nuolja"				§				
			MICROZETIA (1)	#	-	-	-	-	-	-	-
27	23	1	<i>mirabilis</i>	1							
			PARABOREOCHLUS (3)	-	-	#	#	-	#	-	-
28	24	1	<i>minutissimus</i>				1				
29	25	2	<i>okinawanus</i>				1		1		
30	26	3	<i>stahli</i>			1					
			sp. 1: Takemon <i>et al.</i>				§				
			PAROCHLUS (48)	#	#	#	#	-	-	#	-
31	27	1	<i>aotearoae</i>							1	
32	28	2	<i>araucanus</i>		1						
33	29	3	<i>ayseni</i>		1						
34	30	4	<i>bassianus</i>							1	
35	31	5	<i>brevipennis</i>		1						
36	32	6	<i>brevis</i>							1	
37	33	7	<i>carinatus</i>							1	
38	34	8	<i>chiloensis</i>		1						
39	35	9	<i>conjungens</i>							1	
40	36	10	<i>crassicornis</i>		1						
41	37	11	<i>cristatus</i>		1						
42	38	12	<i>crozetensis</i>	1							
43	39	13	<i>darwini</i>		1						
44	40	14	<i>duseni</i>		1						
45	41	15	<i>fascipennis</i>		1						
46	42	16	<i>fuegianus</i>		1						
47	43	17	<i>glacialis</i>							1	
48	44	18	<i>grandilobus</i>		1						
49	45	19	<i>gressitti</i>							1	
50	46	20	<i>incaicus</i>		1						
51	47	21	<i>kiefferi</i>			1	1				
52	48	22	<i>longicornis</i>							1	
53	49	23	<i>maorii</i>							1	
54	50	24	<i>montivagus</i>		1						
55	51	25	<i>nigrinus</i>		1						
			<i>nigrinus</i> subsp. <i>nigrinus</i>		[ss]						
			<i>nigrinus</i> subsp. <i>peruvianus</i>		[ss]						

TABLE 6 contd			PODONOMINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
			<b>PAROCHLUS contd</b>								
56	52	26	ohakunensis							1	
57	53	27	pallidus		1						
58	54	28	patagonicus		1						
59	55	29	pauperatus							1	
60	56	30	petecranstoni							1	
61	57	31	pilosus		1						
62	58	32	reductus							1	
63	59	33	rennelli							1	
64	60	34	rieki							1	
65	61	35	selkirki		1						
66	62	36	skottsbergi		1						
67	63	37	spinipalpis		1						
68	64	38	spinosus							1	
69	65	39	squamipalpis		1						
70	66	40	steinenii	1							
71	67	41	subantarcticus		1						
72	68	42	tasmaniae							1	
73	69	43	tonnoiri							1	
74	70	44	tricornis		1						
75	71	45	trigonocerus		1						
76	72	46	tubulicornis		1						
77	73	47	villarricensis		1						
78	74	48	wellingtoni		1						
			sp. "Wellington"		§						
			sp.: Edwards & Usher	§							
			sp. "araucanus group"		§						
			sp.: Ruiz-Moreno <i>et al.</i>		§						
			<b>PODOCHLUS (22)</b>	-	#	-	-	-	-	#	-
79	75	1	australiensis							1	
80	76	2	beschi		1						
81	77	3	cockaynei							1	
82	78	4	conjunctus		1						
83	79	5	flexistylus		1						
84	80	6	gracilistylus		1						
85	81	7	grandis							1	
86	82	8	knoxii							1	
87	83	9	longisetus		1						
88	84	10	longispinus		1						
89	85	11	magellanicus		1						
90	86	12	osornensis		1						

TABLE 6 contd			PODONOMINAE contd							AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	PODOCHLUS contd														
91	87	13	parvilobus						1								
92	88	14	paynensis						1								
93	89	15	pusillus						1								
94	90	16	robsoni						1								
95	91	17	simplex						1								
96	92	18	stouti												1		
97	93	19	subantarcticus						1								
98	94	20	tasmaniensis												1		
99	95	21	tenuicornis						1								
100	96	22	valdesianus						1								
			sp. "Canteras"						§								
			sp. "Nireco"						§								
			sp. "Peulla"						§								
			sp. "Rio Payne"						§								
			sp. "Tronadór"						§								
			PODONOMOPSIS (7)					-	#	-	-	-	-	-	#	-	
101	97	1	andina						1								
102	98	2	brevipalpis						1								
103	99	3	discoceros												1		
104	100	4	evansi												1		
105	101	5	illiesi						1								
106	102	6	mutica						1								
107	103	7	torrentium						1								
			PODONOMUS (40)					-	#	-	-	-	-	-	#	-	
108	104	1	acutus						1								
109	105	2	albinervis						1								
110	106	3	apolobambae						1								
111	107	4	besti						1								
112	108	5	bipartitus						1								
113	109	6	caranqui						1								
114	110	7	chilensis						1								
115	111	8	collessi												1		
116	112	9	decarthrus						1								
117	113	10	derwentensis												1		
118	114	11	discistylus						1								
119	115	12	edwardsi						1								
120	116	13	fastigians						1								
121	117	14	fittkaui						1								
122	118	15	illiesi						1								
123	119	16	inermis						1								

TABLE 6 contd			PODONOMINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	PODONOMUS contd								
124	120	17	kuscheli		1						
125	121	18	longispinus		1						
126	122	19	maculatus		1						
127	123	20	magellanicus		1						
128	124	21	montanus		1						
129	125	22	nordenskjoeldi		1						
130	126	23	nudipennis		1						
131	127	24	orbiculatus		1						
132	128	25	oreophilus		1						
133	129	26	parochloides							1	
134	130	27	parvicornis		1						
135	131	28	paynensis		1						
136	132	29	pepinellii		1						
137	133	30	pygmaeus							1	
138	134	31	quito		1						
139	135	32	radonichi		1						
140	136	33	regalis		1						
141	137	34	reticulatus		1						
142	138	35	rivulorum		1						
143	139	36	setosus		1						
144	140	37	stigmaticus		1						
145	141	38	uschuaiensis		1						
146	142	39	valdesianus		1						
147	143	40	waikukupae							1	
			sp. "Bolivia II"		§						
			sp. "La Paz"		§						
			sp. "Rigi II"		§						
			sp. "Rigi III"		§						
			sp. "Rigi IV"		§						
			sp. "Rigi V"		§						
			sp. "Songo"		§						
			sp. "Volcán"		§						
			sp.: Ruiz-Moreno <i>et al.</i>		§						
			<b>RHEOCHLUS (3)</b>	-	#	-	-	-	-	#	-
148	144	1	insignis		1						
149	145	2	prolongatus		1						
150	146	3	wirthi							1	
			<b>SHILOVIA (1)</b>	-	-	-	#	-	-	-	-
151	147	1	rara				1				

TABLE 6 contd			PODONOMINAE contd								
Total	Subf	Gen	TRICHOTANYPUS (10)	AN	NT	NE	PA	AF	OR	AU	OC
				-	-	#	#	-	-	-	-
152	148	1	aberrata				1				
153	149	2	admirabilis				1				
154	150	3	alaskensis			1					
155	151	4	arctoalpinus				1				
156	152	5	baicalensis				1				
157	153	6	christmasus				1				
158	154	7	foliaceus			1					
159	155	8	hanseni			1					
160	156	9	mariae			1	1				
161	157	10	posticalis			1	1				
			ZELANDOCHLUS (1)	-	-	-	-	-	-	#	-
162	158	1	latipalpis							1	
			APHROTENIINAE (3)	AN	NT	NE	PA	AF	OR	AU	OC
			APHROTENIA (3)	-	-	-	-	#	-	#	-
163	1	1	australiensis							1	
164	2	2	barnardi					1			
165	3	3	tsitsikamae					1			
			"larval species indet."							§	
			APHROTENIELLA (2)	-	#	-	-	-	-	#	-
166	4	1	filicornis							1	
167	5	2	tenuicornis							1	
			species "Peulla"			§					
			PARAPHROTENIA (3)	-	#	-	-	-	-	#	-
168	6	1	excellens		1						
169	7	2	fascipennis							1	
170	8	3	multispinosa		1						
			TANYPODINAE (57)	AN	NT	NE	PA	AF	OR	AU	OC
			ABLABESMYIA (60)	-	#	#	#	#	#	#	#
			Subg. ABLABESMYIA (42)	-	#	#	#	#	#	#	#
171	1	1	alba						1		
172	2	2	amamisimplex						1		
173	3	3	annulatipes						1		
174	4	4	appendiculata					1			
175	5	5	aspera			1					
176	6	6	atromaculata								1
177	7	7	callicoma						1		
178	8	8	costarricensis		1						
179	9	9	digitata					1			

TABLE 6 contd			TANYPODINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	ABLABESMYIA contd								
			Subg. ABLABESMYIA contd								
180	10	10	dusoleili				1	1			
181	11	11	ebbae				1	1			
182	12	12	ensiceps						1		
183	13	13	freemani					1			
184	14	14	hauberi			1					
185	15	15	hilli							1	1
186	16	16	indica						1		
187	17	17	infumata	1							
188	18	18	janta			1	1				
189	19	19	jogancornua				1				
190	20	20	johannseni			1					
191	21	21	longistyla				1				
192	22	22	maculitibialis						1		
193	23	23	mala							1	
194	24	24	mallochi			1	1				
195	25	25	moniliformis				1		1		
196	26	26	monilis			1	1		1		
197	27	27	notabilis							1	1
198	28	28	ornatipes						1		
199	29	29	parajanta			1					
200	30	30	phatta				1				
201	31	31	prorasha				1		1		1
202	32	32	pruinosa					1			
203	33	33	pulchripes						1		
204	34	34	punctulata		1						
205	35	35	rasha			1					
206	36	36	rhamphe			1					
207	37	37	rimae					1			
208	38	38	rufa					1			
209	39	39	simpsoni			1					
210	40	40	transversa						1		
211	41	41	variipes						1		
212	42	42	xinhuai					1			
			sp.: Wolff <i>et al.</i>								§
			Subg. ASAYIA (1)	-	#	#	-	-	-	-	-
213	43	43	annulata			1					
			sp.: Murray & Fittkau		§						

TABLE 6 contd			TANYPODINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	ABLABESMYIA contd								
			Subg. KARELIA (14)	-	#	#	#	#	#	-	-
214	44	44	alaskensis			1					
215	45	45	bianulata		1						
216	46	46	cinctipes		1	1					
217	47	47	idei			1					
218	48	48	illinoensis			1					
219	49	49	kisanganiensis					1			
220	50	50	melaleuca					1			
221	51	51	nilotica				1	1			
222	52	52	paivai						1		
223	53	53	peleensis		?	1					
224	54	54	philosphagnos			1					
225	55	55	photophilus						1		
226	56	56	pictipes				1	1			
227	57	57	pulchripennis			1					
			sp.: Roback				§				
			sp.: Roback & Coffman						§		
			Subg. SARTAIA (1)	-	#	-	-	-	-	-	-
228	58	58	metica		1						
			ABLABESMYIA ?Subgenus (2)	-	#	-	-	-	-	-	-
229	59	59	oliveirai		1						
230	60	60	reissi		1						
			ALOTANYPUS (4)	-	#	#	#	-	-	#	-
231	61	1	aris			1					
232	62	2	dalyupensis							1	
233	63	3	kuroberobustus				1				
234	64	4	venustus		1	1	?				
			sp. 1: Donato <i>et al.</i>		§						
			AMNIHAYESOMYIA (1)	-	-	-	#	-	-	-	-
235	65	1	ikawensis				1				
			ANATOPYNIA (1)	-	-	-	#	-	-	-	-
236	66	1	plumipes				1				
			APSECTROTANYPUS (7)	-	#	#	#	#	#	#	-
237	67	1	johnsoni			1					
238	68	2	maculosus							1	
239	69	3	mastersi							1	
240	70	4	pallipes							1	
241	71	5	trifascipennis				1				
242	72	6	unicolor					1			
243	73	7	yoshimurai				1				



TABLE 6 contd			TANYPODINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	APSECTROTANYPUS contd								
			sp.: Roback & Coffman						§		
			sp.: Watson & Heyn		§						
			sp.: Spies & Reiss		§						
			sp.: Ruiz-Moreno <i>et al.</i>		§						
			sp.: Donato <i>et al.</i>		§						
			<b>ARCTOPELOPIA (4)</b>	-	-	#	#	-	-	-	-
244	74	1	<b>barbitarsis</b>				1				
245	75	2	<b>cana</b>			1					
246	76	3	<b>griseipennis</b>				1				
247	77	4	<b>melanosoma</b>			1	1				
			<b>AUSTRALOPELOPIA (1)</b>	-	-	-	-	-	-	#	-
248	78	1	<b>prionoptera</b>							1	
			sp. 1: Haase & Nolte							§	
			<b>BETHBILBECKIA (1)</b>	-	#	#	-	-	-	-	-
249	79	1	<b>floridensis</b>			1					
			sp.: Fittkau & Murray		§						
			<b>BILYJOMYIA (2)</b>	-	-	#	#	-	-	-	-
250	80	1	<b>algens</b>			1					
251	81	2	<b>fontana</b>				1				
			<b>BRUNDINIELLA (2)</b>	-	#	#	#	-	-	-	-
252	82	1	<b>eumorpha</b>			1					
253	83	2	<b>yagukiensis</b>				1				
			sp.: Trivinho-Strixino & Strixino		§						
			<b>CANTOPELOPIA (3)</b>	-	-	#	-	#	-	-	-
254	84	1	<b>gesta</b>			1					
255	85	2	<b>meilloni</b>					1			
256	86	3	<b>robacki</b>					1			
			<b>CHRYSOPELOPIA (1)</b>	-	-	-	-	#	-	-	-
257	87	1	<b>corusca</b>					1			
			<b>CLINOTANYPUS (44)</b>	-	#	#	#	#	#	#	#
			Subg. <b>APONTEUS (1)</b>	-	-	#	-	-	-	-	-
258	88	1	<b>sabensis</b>			1					
			Subg. <b>CLINOTANYPUS (43)</b>	-	#	#	#	#	#	#	#
259	89	2	<b>aterrimus</b>						1		
260	90	3	<b>atratus</b>						1		
261	91	4	<b>atromarginatus</b>						1		
262	92	5	<b>aureus</b>			1					
263	93	6	<b>brasiliensis</b>		1						
264	94	7	<b>ceylanicus</b>						1		
265	95	8	<b>claripennis</b>				1	1			

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TABLE 6 contd			TANYPODINAE contd		AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	CLINOTANYPUS contd									
			Subg. CLINOTANYPUS contd									
266	96	9	crux							1	1	
267	97	10	decempunctatus				1			1		
268	98	11	dismegasetus							1		
269	99	12	flavidus							1		
270	100	13	formosae							1		
271	101	14	fumipennis							1		
272	102	15	fuscusignatus							1		
273	103	16	guamensis									1
274	104	17	immaculatus				1			1		
275	105	18	japonicus				1					
276	106	19	jenkinsi							1		
277	107	20	lacteus						1			
278	108	21	lampronotus							1		
279	109	22	maculatus						1			
280	110	23	marginatus							1		
281	111	24	microtrichos				1			1		
282	112	25	nervosus				1					
283	113	26	novempunctatus							1		
284	114	27	obscuripes							1		
285	115	28	ornatissimus							1		
286	116	29	paivai							1		
287	117	30	philippinensis							1		
288	118	31	pictidorsum							1		
289	119	32	pinguis				1	1				
290	120	33	planus				1					
291	121	34	quadriannulatus					1				
292	122	35	rugosus						1			
293	123	36	sallesi			1						
294	124	37	sugiyamai					1		1		
295	125	38	tuberosus							1		
296	126	39	variegatus							1		
297	127	40	verbekei						1			
298	128	41	vomereus							1		
299	129	42	vulgaris							1		
300	130	43	wirthi				1					
301	131	44	yani							1		
			sp. 1: Haase & Nolte									§
			COELOPYNIA (1)		-	-	-	-	-	-	-	#
302	132	1	pruinosa									1

TABLE 6 contd			TANYPODINAE contd			AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	COELOTANYPUS (21)			-	#	#	-	#	-	#	-
303	133	1	africanus							1			
304	134	2	amoenis				1						
305	135	3	atus				1	1					
306	136	4	cletis				1						
307	137	5	concinus				1	1					
308	138	6	delpontei				1						
309	139	7	dimorphus				1						
310	140	8	feris				1						
311	141	9	humeralis				1						
312	142	10	insulanus				1						
313	143	11	lobensis				1						
314	144	12	naelis				1	1					
315	145	13	olmecus				1						
316	146	14	ringueleti				1						
317	147	15	ruficollis				1						
318	148	16	scapularis				1	1					
319	149	17	tibialis				1						
320	150	18	toltecus				1						
321	151	19	tricolor				1	1					
322	152	20	viridiventris				1						
323	153	21	wirthi									1	
			COFFMANIA (3)			-	-	-	-	-	#	-	-
324	154	1	adiecta								1		
325	155	2	animispina								1		
326	156	3	insignis						1				
			sp.: Ashe & O'Connor								§		
			CONCHAPELOPIA (39)			-	®	#	#	#	#	®	-
327	157	1	aagaardi						1				
328	158	2	abiskoensis						1				
329	159	3	aleta					1					
330	160	4	amamiaurea								1		
331	161	5	aurantiaca							1			
332	162	6	bruna					1					
333	163	7	buidonnai								1		
334	164	8	currani					1					
335	165	9	cygnus							1			
336	166	10	dartofi								1		
337	167	11	esakianus						1				
338	168	12	falcistylus								1		
339	169	13	fasciata					1					

TABLE 6 contd			TANYPODINAE contd						AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	CONCHAPELOPIA contd													
340	170	14	hittmairorum								1					
341	171	15	insolens											1		
342	172	16	intermedia								1					
343	173	17	japonica								1					
344	174	18	longinervis									1				
345	175	19	melanops								1			1		
346	176	20	mera								1					
347	177	21	nepalicola											1		
348	178	22	okisimilis								1			1		
349	179	23	pallens								1					
350	180	24	pallidula								1					
351	181	25	paramelanops								1					
352	182	26	rurika								1					
353	183	27	seiryusetea								1					
354	184	28	setipalpis											1		
355	185	29	sikotuensis								1					
356	186	30	solita											1		
357	187	31	telema								1					
358	188	32	togamaculosa								1					
359	189	33	togapallida								1					
360	190	34	triannulata								1					
361	191	35	trifascia								1	1				
362	192	36	unzenalba								1					
363	193	37	varna								1					
364	194	38	viator								1					
365	195	39	zairensis									1				
			sp.: Fittkau & Roback													®
			sp.: Ashe <i>et al.</i>													®
			sp.: Roback & Coffman													§
			<b>DENOPELOPIA (4)</b>													
				-	#	#	-	-								
366	196	1	atria								1					
367	197	2	diaoluonica											1		
368	198	3	irioquerea											1		
369	199	4	viridula											1		
			sp.: Spies & Reiss													§
			<b>DEROTANYPUS (4)</b>													
				-	-	#	#	-	-							
370	200	1	aclines								1					
371	201	2	alaskensis								1	1				
372	202	3	limbatus								1					
373	203	4	sibiricus								1					

TABLE 6 contd			TANYPODINAE contd							AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	DJALMABATISTA (11)							-	#	#	#	#	#	-	-
374	204	1	amancii								1						
375	205	2	antonii								1						
376	206	3	bifida												1		
377	207	4	dellomei								1						
378	208	5	director								1						
379	209	6	ivanyae								1						
380	210	7	lacustris								1						
381	211	8	orlandoi								1						
382	212	9	pulchra								1	1					
383	213	10	reidi										1	1	1		
384	214	11	travassosi								1						
			sp.: Cranston & Martin														§
			sp.: Ashe														§
			FITTKAUIMYIA (6)							-	#	#	#	#	#	#	-
385	215	1	crypta								1						
386	216	2	disparipes												1	1	
387	217	3	nipponica										1				
388	218	4	olivacea										1				
389	219	5	petersi											1			
390	220	6	serta									1					
			sp.: Roback								§						
			sp.: Murray & Fittkau								§						
			GRESSITIUS (2)							-	-	-	-	-	-	#	-
391	221	1	antarcticus													1	
392	222	2	umbrosus													1	
			GUASSUTANYPUS (1)							-	#	-	-	-	-	-	-
393	223	1	oliveirai								1						
			GUTTIPELOPIA (2)							-	-	#	#	-	-	-	-
394	224	1	guttipennis									1	1				
395	225	2	rosenbergi									1					
			HAYESOMYIA (10)							-	-	#	#	-	#	#	-
396	226	1	aquila												1		
397	227	2	cinctuma												1		
398	228	3	fengkainica												1		
399	229	4	galbina												1		
400	230	5	rotunda												1		
401	231	6	senata									1	1				
402	232	7	triangula												1		
403	233	8	trina												1		
404	234	9	tripunctata										1		1		

TABLE 6 contd			TANYPODINAE contd						AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	HAYESOMYIA contd													
405	235	10	<b>zayunica</b>											1		
			sp.: Roback & Coffman											§		
			sp.: Ashe											§		
			sp A.: Cranston													§
			sp B.: Cranston													§
			<b>HELOPELOPIA (2)</b>													
406	236	1	<b>cornuticaudata</b>													
407	237	2	<b>pilicaudata</b>													
			<b>HUDSONIMYIA (2)</b>													
408	238	1	<b>karelena</b>													
409	239	2	<b>parrishi</b>													
			<b>KRENOPELOPIA (6)</b>													
410	240	1	<b>alba</b>													
411	241	2	<b>batuensis</b>											1		
412	242	3	<b>binotata</b>													
413	243	4	<b>hudsoni</b>													
414	244	5	<b>narda</b>													
415	245	6	<b>nigropunctata</b>													
			sp.: Ruiz-Moreno <i>et al.</i>													
			<b>LABRUNDINIA (15)</b>													
416	246	1	<b>becki</b>													
417	247	2	<b>fera</b>													
418	248	3	<b>fosteri</b>													
419	249	4	<b>hirsuta</b>													
420	250	5	<b>johannseni</b>													
421	251	6	<b>longipalpis</b>													
422	252	7	<b>maculata</b>													
423	253	8	<b>meta</b>													
424	254	9	<b>neopilosella</b>													
425	255	10	<b>opela</b>													
426	256	11	<b>parabecki</b>													
427	257	12	<b>pilosella</b>													
428	258	13	<b>separata</b>													
429	259	14	<b>tenata</b>													
430	260	15	<b>virescens</b>													
			sp.: Harrison & Rankin													
			sp.: Fittkau & Roback													
			sp. 1: Donato <i>et al.</i>													

TABLE 6 contd			TANYPODINAE contd								
Total	Subf	Gen	LARSIA (26)	AN	NT	NE	PA	AF	OR	AU	OC
				-	#	#	#	#	#	#	#
431	261	1	<i>africana</i>					1			
432	262	2	<i>albiceps</i>						1	1	
433	263	3	<i>atrocincta</i>				1				
434	264	4	<i>berneri</i>			1					
435	265	5	<i>canadensis</i>			1					
436	266	6	<i>curticalcar</i>				1				
437	267	7	<i>decolorata</i>			1					
438	268	8	<i>exigua</i>					1			
439	269	9	<i>fittkaui</i>		1						
440	270	10	<i>indistincta</i>			1					
441	271	11	<i>labartheae</i>		1						
442	272	12	<i>longipennis</i>				1				
443	273	13	<i>lyra</i>			1					
444	274	14	<i>marginella</i>			1					
445	275	15	<i>miyagasensis</i>				1				
446	276	16	<i>octomaculata</i>					1			
447	277	17	<i>ovazzai</i>					1			
448	278	18	<i>pallescens</i>		1						
449	279	19	<i>pallidissima</i>					1			
450	280	20	<i>parva</i>					1			
451	281	21	<i>planensis</i>		1	1					1
452	282	22	<i>reissi</i>		1						
453	283	23	<i>rutshuruiensis</i>				1	1			
454	284	24	<i>sequoiaensis</i>			1					
455	285	25	<i>teesdalei</i>				1	1			
456	286	26	<i>uniformis</i>					1			
			sp.: Roback								§
			sp.: Harrison & Rankin		§						
			sp.: Roback & Coffman						§		
			sp.: Ashe						§		
			sp.: Ruiz-Moreno <i>et al.</i>		§						
			<b>LAUROTANYPUS (1)</b>	-	#	-	-	-	-	-	-
457	287	1	<i>travassosi</i>		1						
			<b>LEPIDOPELOPIA (1)</b>	-	-	-	-	#	-	-	-
458	288	1	<i>annulator</i>					1			
			<b>LOBOMYIA (1)</b>	-	-	-	#	-	-	-	-
459	289	1	<i>immaculata</i>				1				
			<b>MACROPELOPIA (14)</b>	-	#	#	#	#	#	-	#
460	290	1	<i>adaucta</i>				1		1		
461	291	2	<i>amplituberculata</i>						1		

TABLE 6 contd			TANYPODINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	MACROPELOPIA contd								
462	292	3	decedens			1					
463	293	4	fehlmanni				1				
464	294	5	fittkai				1				
465	295	6	japonica				1				
466	296	7	kibunensis				1				1
467	297	8	marmorata					1			
468	298	9	nebulosa				1		1		
469	299	10	nipponotata				1		1		
470	300	11	notata				1				
471	301	12	ogasasextdecima								1
472	302	13	paranebulosa				1				
473	303	14	rossaroi				1				
			sp.: Trivinho-Strixino & Strixino		§						
			MEROPELOPIA (2)	-	#	#	#	-	-	-	-
474	304	1	americana			1					
475	305	2	flavifrons			1	1				
			sp.: Sublette & Sasa		§						
			MONOPELOPIA (8)	-	#	#	#	#	#	#	-
476	306	1	boliekae		1	1					
477	307	2	caraguata		1	1					
478	308	3	divergens						1		
479	309	4	mikeschwartzi		1						
480	310	5	minuta		1						
481	311	6	pavida					1			
482	312	7	tenuicalcar			1	1				
483	313	8	tillandsia			1					
			sp. 1: Roback		§						
			sp. 2: Roback		§						
			sp. 3: Roback		§						
			sp. 4: Roback		§						
			sp.: Ashe						§		
			sp.: Epler			§					
			sp.: Cranston							§	
			sp.: Cranston			§					
			NAELOTANYPUS (1)	-	#	-	-	-	-	-	-
484	314	1	viridis		1						
			NATARSIA (6)	-	-	#	#	-	#	-	-
485	315	1	baltimorea			1					
486	316	2	miripes			1					
487	317	3	nugax				1		1		



TABLE 6 contd			TANYPODINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
<b>Total</b>	<b>Subf</b>	<b>Gen</b>	<b>NATARSIA contd</b>								
488	318	4	<b>punctata</b>				1				
489	319	5	<b>qinlingica</b>				1				
490	320	6	<b>tokunagai</b>				1				
			<b>NILOTANYPUS (9)</b>	-	#	#	#	#	#	#	-
491	321	1	<b>americanus</b>			1					
492	322	2	<b>comatus</b>					1			
493	323	3	<b>dubius</b>				1		?		
494	324	4	<b>fimbriatus</b>			1					
495	325	5	<b>kansensis</b>			1					
496	326	6	<b>minutus</b>				1				
497	327	7	<b>polycanthus</b>						1		
498	328	8	<b>quadratus</b>						1		
499	329	9	<b>remotissimus</b>					1			
			sp. 1: Ashe <i>et al.</i>		§						
			sp. 2: Ashe <i>et al.</i>		§						
			sp.: Ashe <i>et al.</i>								§
			sp.: Ashe <i>et al.</i>						§		
			sp. 1: Roback & Coffman						§		
			sp. 2: Roback & Coffman						§		
			Unnamed sp.: Cranston & Martin								§
			sp.: Watson & Heyn		§						
			sp.: Spies & Reiss		§						
			<b>PARAMERINA (28)</b>	-	#	#	#	#	#	#	#
500	330	1	<b>ababae</b>					1			
501	331	2	<b>anomala</b>			1	?				
502	332	3	<b>aucta</b>						1		
503	333	4	<b>cingulata</b>				1				
504	334	5	<b>divisa</b>				1		1		
505	335	6	<b>dolosa</b>						1		1
506	336	7	<b>edwardsi</b>					1			
507	337	8	<b>fasciata</b>		1						
508	338	9	<b>fittkaui</b>					1			
509	339	10	<b>fragilis</b>			1					
510	340	11	<b>hanseni</b>			1					
511	341	12	<b>ignobilis</b>						1	1	1
512	342	13	<b>inficia</b>						1		
513	343	14	<b>interrupta</b>					1			
514	344	15	<b>levidensis</b>							1	
515	345	16	<b>longipes</b>					1			
516	346	17	<b>mauretunica</b>				1	1			

TABLE 6 contd			TANYPODINAE contd		AN	NT	NE	PA	AF	OR	AU	OC
<b>Total</b>	<b>Subf</b>	<b>Gen</b>	<b>PARAMERINA contd</b>									
517	347	18	meilloni						1			
518	348	19	minima						1			
519	349	20	nigromarmorata						1			
520	350	21	okimaculata							1		
521	351	22	parva								1	
522	352	23	quinifcia							1		
523	353	24	septemguttata						1			
524	354	25	smithae			1	1					
525	355	26	taylori								1	
526	356	27	testa				1					
527	357	28	vaillanti					1	1			
			"spec. Griechenland"					§				
			sp.: Harrison & Rankin			§						
			"spec. A": Harrison						§			
			sp. 1: Lehmann						§			
			sp.: Roback & Coffman							§		
			sp.: Ashe							§		
			sp.: Watson & Heyn			§						
			spec.: Stur & Fittkau			§						
			<b>PARAPENTANEURA (1)</b>		-	#	-	-	-	-	-	-
528	358	1	bentogomensis			1						
			sp.: Stur <i>et al.</i>			§						
			<b>PENTANEURA (6)</b>		-	#	#	-	-	-	-	-
529	359	1	cinerea			1						
530	360	2	elisae			1						
531	361	3	inconspicua				1					
532	362	4	indecisa			1	1					
533	363	5	inyoensis				1					
534	364	6	vittaria			1						
			"spec. Chile"			§						
			sp.: Harrison & Rankin			§						
			sp.: Sublette & Sasa			§						
			sp.: Ruiz-Moreno <i>et al.</i>			§						
			sp. 1: Donato <i>et al.</i>			§						
			<b>PENTANEURELLA (1)</b>		-	-	-	#	-	-	-	-
535	365	1	katterjokki					1				
			<b>PROCLADIUS (69)</b>			#	#	#	#	#	#	-
			Subg. <b>HOLOTANYPUS (39)</b>		-	-	#	#	#	#	-	-
536	366	1	abetus				1					
537	367	2	apicalis					1	1			

TABLE 6 contd			TANYPODINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	PROCLADIUS contd								
			Subg. HOLOTANYPUS contd								
538	368	3	appropinquatus				1				
539	369	4	barbatulus			1					
540	370	5	brevipetiolatus				1	1			
541	371	6	choreus				1		1		
542	372	7	clavus			1					
543	373	8	crassinervis				1				
544	374	9	culiciformis			1	1				
545	375	10	curtus			1					
546	376	11	denticulatus			1					
547	377	12	dentus			1	1				
548	378	13	desis			1					
549	379	14	ferrugineus				1				
550	380	15	fimbriatus				1				
551	381	16	freemani			1	1				
552	382	17	fuscus				1				
553	383	18	gretis			1					
554	384	19	iris				1		1		
555	385	20	islandicus				1				
556	386	21	jeris			1					
557	387	22	johnsoni			1	1				
558	388	23	karahutoensis				1				
559	389	24	lugubris				1				
560	390	25	nipponicus				1				
561	391	26	noctivagus				1	1	1		
562	392	27	nudipennis				1				
563	393	28	paragretis			1					
564	394	29	pectinatus				1				
565	395	30	prolongatus			1					
566	396	31	rivulorum				1				
567	397	32	ruris			1					
568	398	33	sagittalis				1		1		
569	399	34	signatus				1				
570	400	35	simplicistilus				1				
571	401	36	sublettei			1	1				
572	402	37	succicus				1				
573	403	38	vesus			1	1				
574	404	39	willhmi			1					
			sp. 1: Roback & Coffman								§
			sp. 2: Roback & Coffman								§

TABLE 6 contd			TANYPODINAE contd			AN	NT	NE	PA	AF	OR	AU	OC
<b>Total</b>	<b>Subf</b>	<b>Gen</b>	<b>PROCLADIUS contd</b>										
			Subg. PROCLADIUS (11)			-	#	-	-	#	#	#	-
575	405	40	albitalus							1			
576	406	41	goanna									1	
577	407	42	maculosus							1			
578	408	43	martini									1	
579	409	44	mozambique				1						
580	410	45	paludicola									1	
581	411	46	polytomus							1			
582	412	47	recurva								1		
583	413	48	squamifer									1	
584	414	49	umbrosus							1			
585	415	50	villosimanus									1	
			Subg. PSILOTANYPUS (14)			-	#	#	#	#	#	-	-
586	416	51	bellus					1			1		
587	417	52	deltaensis					1					
588	418	53	duplexus								1		
589	419	54	etatus				1						
590	420	55	flavifrons						1				
591	421	56	fuscipes								1		
592	422	57	imicola						1				
593	423	58	lugens						1				
594	424	59	macrotrichus					1					
595	425	60	nietus					1					
596	426	61	rufovittatus						1				
597	427	62	serratus						1				
598	428	63	shibrui							1			
599	429	64	stroudi				1						
			sp.: Roback & Coffman									§	
			PROCLADIUS ?Subgenus (5)			-	-	-	-	-	#	-	-
600	430	65	brunettii								1		
601	431	66	insularis								1		
602	432	67	lacteiclava								1		
603	433	68	transiens								1		
604	434	69	vitripennis								1		
			PSECTROTANYPUS (7)			-	®	#	#	#	#	-	-
605	435	1	discolor					1					
606	436	2	dyari					1					
607	437	3	lateralis								1		
608	438	4	orientalis						1				
609	439	5	pictipennis					1	1				

TABLE 6 contd			TANYPODINAE contd							
Total	Subf	Gen	PSECTROTANYPUS contd							
610	440	6	schwetzi					1		
611	441	7	varius				1		1	
			sp.: Fittkau & Reiss		§ ®					
			RADOTANYPUS (2)	-	-	#	-	-	-	-
612	442	1	florens			1				
613	443	2	submarginella			1				
			REOMYIA (1)	-	-	#	-	-	-	-
614	444	1	wartinbei			1				
			RHEOPELOPIA (9)	-	®	#	#	-	#	-
615	445	1	acra			1				
616	446	2	eximia				1			
617	447	3	maculipennis				1			
618	448	4	murrayi				1			
619	449	5	ornata				1			
620	450	6	paramaculipennis			1				
621	451	7	perda			1	1			
622	452	8	toyamazea				1			
623	453	9	tuberculata						1	
			sp.: Ruiz-Moreno <i>et al.</i>		§ ®					
			sp. 1: Haase & Nolte							§
			SAETHEROMYIA (1)	-	-	-	#	-	-	-
624	454	1	tedoriprimus				1			
			SCHINERIELLA (1)	-	-	-	#	-	-	-
625	455	1	schineri				1			
			TANYPUS (30)	-	#	#	#	#	#	#
			Subgenus APELOPIA (5)	-	#	#	-	-	#	-
626	456	1	clavatus			1				
627	457	2	grodhausi			1				
628	458	3	imperialis			1				
629	459	4	neopunctipennis		1	1				
630	460	5	nubifer			1				
			sp.: Roback & Coffman							§
			sp.: Watson & Heyn		§					
			Subg. TANYPUS (25)	-	#	#	#	#	#	#
631	461	6	brevipalpis				?	1		
632	462	7	carinatus			1				
633	463	8	catemaco		1					
634	464	9	chaudhuri						1	
635	465	10	chinensis				1		1	
636	466	11	complanatus					1		

TABLE 6 contd			TANYPODINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	TANYPUS contd								
			Subg. TANYPUS contd								
637	467	12	concausus			1					
638	468	13	formosanus						1		
639	469	14	fuscus					1			
640	470	15	grandis							1	
641	471	16	guttatipennis					1			
642	472	17	kraatzi				1				
643	473	18	lacustris					1			
644	474	19	lauroi		1						
645	475	20	lenzi		1						
646	476	21	lucidus							1	
647	477	22	olesaetheri							1	
648	478	23	parastellatus			1					
649	479	24	photophilus							1	
650	480	25	punctipennis		?	1	1			1	
651	481	26	riparius							1	
652	482	27	saltatrix							1	
653	483	28	stellatus		1	1	1				
654	484	29	telus			1					
655	485	30	vilipennis			1	1				
			sp.: Roback								§
			sp.: Roback & Coffman						§		
			TELMATOPELOPIA (1)	-	-	-	#	-	-	-	-
656	486	1	nemorum				1				
			TELOPELOPIA (2)	-	-	#	#	-	-	-	-
657	487	1	fascigera				1				
658	488	2	okoboji			1					
			THIENEMANNIMYIA (18)	-	#	#	#	#	#	#	-
659	489	1	barberi			1				1	
660	490	2	berkanca				1				
661	491	3	carnea				1				
662	492	4	choumara				1				
663	493	5	dimorpha							1	
664	494	6	festiva				1				
665	495	7	fusciceps			1	1			1	
666	496	8	galbina							1	
667	497	9	geijskesi				1			1	
668	498	10	laeta				1			1	
669	499	11	lentiginosa				1				
670	500	12	norena			1	1				

TABLE 6 contd			TANYPODINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
<b>Total</b>	<b>Subf</b>	<b>Gen</b>	<b>THIENEMANNIMYIA contd</b>								
671	501	13	northumbrica				1				
672	502	14	pseudocarnea				1				
673	503	15	tinctoria					1			
674	504	16	vitellina				1				
675	505	17	woodi				1				
676	506	18	zousfana				1				
			sp.: Roback & Coffman						§		
			sp. "nr. barberi (Coq.)"		§						
			sp.: Watson & Heyn		§						
			sp.: Cranston							§	
			<b>TRISSOPELOPIA (6)</b>	-	-	#	#	#	#	-	-
677	507	1	dimorpha				1		1		
678	508	2	flavida				1				
679	509	3	lanceolata						1		
680	510	4	longimana				1		1		
681	511	5	montivaga					1			
682	512	6	ogemawi			1					
			sp.: Roback & Coffman						§		
			<b>XENOPELOPIA (3)</b>	-	-	#	#	-	-	-	-
683	513	1	falcigera				1				
684	514	2	nigricans				1				
685	515	3	tincta			1					
			<b>ZAVRELIMYIA (17)</b>	-	#	#	#	-	#	#	-
686	516	1	alterna						1		
687	517	2	barbatipes				1				
688	518	3	berberi				1				
689	519	4	bifasciata			1					
690	520	5	facilis						1		
691	521	6	harrisi							1	
692	522	7	hirtimana				1				
693	523	8	kyotoensis				1				
694	524	9	melanura				1				
695	525	10	monticola				1				
696	526	11	nubila				1				
697	527	12	pleuralis						1		
698	528	13	punctatissima				1				
699	529	14	signatipennis				1				
700	530	15	sinuosa			1					
701	531	16	thryptica			1	?				
702	532	17	tusimuheia				1				

TABLE 6 contd		TANYPODINAE contd		AN	NT	NE	PA	AF	OR	AU	OC
		ZAVRELIMYIA contd									
		sp.: Trivinho-Strixino & Strixino		§							
		sp.: Ruiz-Moreno <i>et al.</i>		§							
		sp. 1: Haase & Nolte		§							
		<b>Generically Unplaced Valid Tanypodinae</b>									
<b>Total</b>	<b>Subf</b>		Tribe MACROPELOPHINI (23)	-	#	-	-	-	-	#	#
703	533	1	<b>apicina</b>		1						
704	534	2	<b>apicineta</b>							1	
705	535	3	<b>apicinella</b>							1	
706	536	4	<b>bellipes</b>		1						
707	537	5	<b>boninensis</b>								1
708	538	6	<b>brunnea</b>		1						
709	539	7	<b>cana</b>							1	
710	540	8	<b>colombiana</b>		1						
711	541	9	<b>confluens</b>		1						
712	542	10	<b>debilis</b>							1	
713	543	11	<b>dizona</b>		1						
714	544	12	<b>elongata</b>								1
715	545	13	<b>flavipes</b>							1	
716	546	14	<b>fuegiana</b>		1						
717	547	15	<b>languidus</b>							1	
718	548	16	<b>pallescens</b>		1						
719	549	17	<b>pennipes</b>							1	
720	550	18	<b>quadricincta</b>							1	
721	551	19	<b>quinquepunctata</b>							1	
722	552	20	<b>roblesi</b>		1						
723	553	21	<b>trizona</b>		1						
724	554	22	<b>vittigera</b>		1						
725	555	23	<b>xanthina</b>		1						
		<b>Generically Unplaced Valid Tanypodinae</b>									
<b>Total</b>	<b>Subf</b>		Tribe PENTANEURINI (4)	-	-	-	-	-	-	#	#
726	556	1	<b>carolinensis</b>								1
727	557	2	<b>formulosus</b>							1	
728	558	3	<b>ponapensis</b>								1
729	559	4	<b>punctipennis</b>							1	
		<b>Generically Unplaced Valid Tanypodinae</b>									
<b>Total</b>	<b>Subf</b>		Subfamily TANYPODINAE (16)	-	#	-	-	-	#	-	-
730	560	1	<b>albolineatus</b>						1		
731	561	2	<b>annandalei</b>						1		
732	562	3	<b>bilobatus</b>						1		
733	563	4	<b>birmanensis</b>						1		



TABLE 6 contd			TANYPODINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
			<b>Generically Unplaced Valid Tanypodinae</b>								
<b>Total</b>	<b>Subf</b>		Subfamily TANYPODINAE contd								
734	564	5	brooksi		1						
735	565	6	circumdata						1		
736	566	7	flaveolus		1						
737	567	8	fusciclava						1		
738	568	9	gracillima						1		
739	569	10	himalayae						1		
740	570	11	macrochaeta						1		
741	571	12	manilensis						1		
742	572	13	marmorata		1						
743	573	14	oriplanus						1		
744	574	15	pubicornis		1						
745	575	16	violaceipennis						1		
TABLE 6 contd			USAMBAROMYIINAE (1)	AN	NT	NE	PA	AF	OR	AU	OC
<b>Total</b>	<b>Subf</b>	<b>Gen</b>	USAMBAROMYIA (1)	-	-	-	-	#	-	-	-
746	1	1	nigrala					1			
			DIAMESINAE (22)	AN	NT	NE	PA	AF	OR	AU	OC
<b>Total</b>	<b>Subf</b>	<b>Gen</b>	ARCTODIAMESA (4)	-	-	#	#	-	-	-	-
747	1	1	amurensis				1				
748	2	2	appendiculata			1	1				
749	3	3	breviramosa				1				
750	4	4	marinae				1				
			sp.: Makarchenko				§				
			BOREOHEPTAGYIA (22)	-	-	#	#	-	#	-	-
751	5	1	accomodata				1				
752	6	2	alpicola				1				
753	7	3	alulasetosa						1		
754	8	4	ambigua						1		
755	9	5	brevitarsis				1				
756	10	6	cinctipes				1				
757	11	7	dasyops				1				
758	12	8	eburnea				1				
759	13	9	kurobebrevis				1				
760	14	10	legeri				1				
761	15	11	lurida			1					
762	16	12	monticola				1				
763	17	13	nepalensis						1		
764	18	14	nipponica				1				

TABLE 6 contd			DIAMESINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	BOREOHEPTAGYIA contd								
765	19	15	phoenicia				1				
766	20	16	rotunda				1		1		
767	21	17	rugosa				1				
768	22	18	sasai				1				
769	23	19	similis						1		
770	24	20	tibetica						1		
771	25	21	unica				1				
772	26	22	xinglongiensis						1		
			spec. 1: Serra-Tosio			§					
			spec. 2: Serra-Tosio			§					
			spec. 3: Serra-Tosio				§				
			DIAMESA (107)	-	#	#	#	#	#	-	-
773	27	1	aberrata			1	1		1		
774	28	2	aculeata				1				
775	29	3	alata				1				
776	30	4	alpina			1	1				
777	31	5	amanoi						1		
778	32	6	ampla						1		
779	33	7	amplexivirilia			1	1				
780	34	8	ancysta			1					
781	35	9	arctica			1	1				
782	36	10	astyla				1				
783	37	11	baicalensis				1				
784	38	12	barraudi						1		
785	39	13	bertrami			1	1				
786	40	14	bicornipes						1		
787	41	15	bohemani			1	1				
788	42	16	borealis				1				
789	43	17	bryophila						1		
790	44	18	caucasica				1				
791	45	19	cheimatophila			1					
792	46	20	chiobates			1					
793	47	21	chorea			1					
794	48	22	cinerella				1				
795	49	23	clavata			1					
796	50	24	colenae			1					
797	51	25	cranstoni						1		
798	52	26	dactyloidea				1				
799	53	27	dampfi				1				
800	54	28	dashauhari						1		

TABLE 6 contd			DIAMESINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	DIAMESA contd								
801	55	29	davisi			1	1				
802	56	30	edentistyla						1		
803	57	31	filicauda				1				
804	58	32	freemani					1			
805	59	33	garretti			1					
806	60	34	geminata			1	1				
807	61	35	goetghebueri				1				
808	62	36	gregsoni			1	1				
809	63	37	hamaticornis				1				
810	64	38	haydaki			1					
811	65	39	heteropus			1					
812	66	40	hyperborea				1				
813	67	41	incallida			1	1				
814	68	42	insidiosa							1	
815	69	43	insignipes			1	1				
816	70	44	japonica			1	1				
817	71	45	kasaulica							1	
818	72	46	kasymovi				1				
819	73	47	kaszabi				1				
820	74	48	kenyae					1			
821	75	49	khoksarensis							1	
822	76	50	khumbugelida				1			1	
823	77	51	kohshimai							1	
824	78	52	laticauda				1				
825	79	53	latitarsis				1				
826	80	54	lavillei				1				
827	81	55	leona			1	1				
828	82	56	lindrothi			1	1				
829	83	57	loeffleri				1			1	
830	84	58	longipes				1				
831	85	59	lupus			1					
832	86	60	macronyx				1				
833	87	61	martae				1				
834	88	62	mendotae			1					
835	89	63	mexicana			1					
836	90	64	modesta				1				
837	91	65	nivicavernicola			1					
838	92	66	nivoriunda			1					
839	93	67	nowickiana				1				
840	94	68	parancysta				1				

TABLE 6 contd			DIAMESINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	DIAMESA contd								
841	95	69	permacra				1				
842	96	70	planistyla						1		
843	97	71	plumicornis				1				
844	98	72	praecipua						1		
845	99	73	pseudobertrami				1				
846	100	74	reissi			1					
847	101	75	ruwenzoriensis					1			
848	102	76	saetheri				1				
849	103	77	sakartvella				1				
850	104	78	serratosioi				1				
851	105	79	simplex			1					
852	106	80	solhoyi				1				
853	107	81	sommermani			1	1				
854	108	82	sonorae			1					
855	109	83	spinacies			1	1				
856	110	84	starmachi				1				
857	111	85	steinboecki				1		?		
858	112	86	stenonyx						1		
859	113	87	subletti			1					
860	114	88	sunabacedea				1				
861	115	89	tenuescens						1		
862	116	90	tenuipes				1				
863	117	91	thomasi				1				
864	118	92	tokunagai				1				
865	119	93	tonsa				1				
866	120	94	tskhomelidzei				1				
867	121	95	tsutsuii				1				
868	122	96	vaillanti				1				
869	123	97	valentinae				1				
870	124	98	valkanovi				1				
871	125	99	veletensis				1				
872	126	100	vernalis				1				
873	127	101	virendri						1		
874	128	102	vockerothi			1					
875	129	103	wuelkeri				1				
876	130	104	yalavia						1		
877	131	105	zelentzovi				1				
878	132	106	zernyi				1				
879	133	107	zhiltzovae				1				

TABLE 6 contd			DIAMESINAE contd			AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	DIAMESA contd										
			sp. 1: Brundin				§						
			sp. 2: Brundin				§						
			HARRISONINA (1)			-	-	-	-	#	-	-	-
880	134	1	petricola							1			
			HEPTAGYIA (1)			-	#	-	-	-	-	-	-
881	135	1	annulipes				1						
			KALUGINIA (1)			-	-	-	#	-	-	-	-
882	136	1	lebetiformis						1				
			LAPPODIAMESA (4)			-	-	#	#	-	-	-	-
883	137	1	boltoni					1					
884	138	2	multiseta						1				
885	139	3	vidua						1				
886	140	4	willasseni						1				
			LIMAYA (1)			-	#	-	-	-	-	-	-
887	141	1	longitarsis				1						
			sp. "Junin"				§						
			LINEVITSHIA (2)			-	-	-	#	-	-	-	-
888	142	1	prima						1				
889	143	2	yezoensis						1				
			LOBODIAMESA (1)			-	-	-	-	-	-	#	-
890	144	1	campbelli									1	
			MAORIDIAMESA (5)			-	-	-	-	-	-	#	-
891	145	1	glacialis									1	
892	146	2	harrisi									1	
893	147	3	insularis									1	
894	148	4	intermedia									1	
895	149	5	stouti									1	
			MAPUCHEPTAGYIA (1)			-	#	-	-	-	-	-	-
896	150	1	brundini				1						
			PAGASTIA (8)			-	-	#	#	-	#	-	-
			Subg. HESPERODIAMESA (1)			-	-	#	-	-	-	-	-
897	151	1	sequax					1					
			Subg. PAGASTIA (7)			-	-	#	#	-	#	-	-
898	152	2	altaica						1				
899	153	3	hidakamontana						1				
900	154	4	lanceolata						1				
901	155	5	nivis						1				
902	156	6	orientalis						1		1		
903	157	7	orthogonia					1	1				
904	158	8	partica					1					

TABLE 6 contd			DIAMESINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
<b>Total</b>	<b>Subf</b>	<b>Gen</b>	<b>PAGASTIA contd</b>								
			Subg. <b>PAGASTIA contd</b>								
			sp. 1: Roback & Coffman						§		
			sp. 2: Roback & Coffman						§		
			<b>PARAHEPTAGYIA (7)</b>	-	#	-	-	-	-	#	-
905	159	1	<b>andina</b>		1						
906	160	2	<b>cinerascens</b>		1						
907	161	3	<b>nitescens</b>		1						
908	162	4	<b>semiplumata</b>		1						
909	163	5	<b>tasmaniae</b>							1	
910	164	6	<b>tonnoiri</b>							1	
911	165	7	<b>umbraculata</b>		1						
			sp.: Ruiz-Moreno <i>et al.</i>		§						
			<b>POTTHASTIA (4)</b>	-	-	#	#	-	#	-	-
912	166	1	<b>gaedii</b>			1	1				
913	167	2	<b>longimanus</b>			1	1		1		
914	168	3	<b>montium</b>			1	1				
915	169	4	<b>pastoris</b>				1				
			sp.: Brundin						§		
			<b>PROTANYPUS (10)</b>	-	-	#	#	-	#	-	-
916	170	1	<b>caudatus</b>			1	1				
917	171	2	<b>forcipatus</b>				1				
918	172	3	<b>gracilis</b>				1				
919	173	4	<b>hamiltoni</b>			1					
920	174	5	<b>inateus</b>				1				
921	175	6	<b>morio</b>				1				
922	176	7	<b>pseudomorio</b>			1	1				
923	177	8	<b>ramosus</b>			1					
924	178	9	<b>saetheri</b>			1					
925	179	10	<b>tshereshnevi</b>				1				
			sp. A: Sæther			§					
			sp. B: Sæther			§					
			sp. Inawa				§				
			<b>PSEUDODIAMESA (11)</b>	-	-	#	#	-	#	-	-
			Subg. <b>PACHYDIAMESA (1)</b>	-	-	#	-	-	-	-	-
926	180	1	<b>arctica</b>			1					
			Subg. <b>PSEUDODIAMESA (10)</b>	-	-	#	#	-	#	-	-
927	181	2	<b>branickii</b>			1	1		1		
928	182	3	<b>gorodkovi</b>				1				
929	183	4	<b>latistyla</b>				1				
930	184	5	<b>mongolzecea</b>				1				

TABLE 6 contd			DIAMESINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
			PSEUDODIAMESA contd								
			Subg. PSEUDODIAMESA contd								
931	185	6	nepalensis						1		
932	186	7	nivosa				1				
933	187	8	pertinax			1	?				
934	188	9	stackelbergi				1				
935	189	10	venusta				1				
936	190	11	vetusta				1				
			PSEUDOKIEFFERIELLA (1)	-	-	#	#	-	-	-	-
937	191	1	parva			1	1				
			REISSMESA (3)	-	#	-	-	-	-	-	-
938	192	1	antiqua		1						
939	193	2	gelida		1						
940	194	3	valdesiana		1						
			SASAYUSURIKA (1)	-	-	-	#	-	#	-	-
941	195	1	nigatana				1		1		
			SYMPOTTHASTIA (10)	-	-	#	#	-	#	-	-
942	196	1	bicolor				1				
943	197	2	diastena			1					
944	198	3	fulva			1	1				
945	199	4	gemmaformis				1				
946	200	5	huldeni				1				
947	201	6	macrocera				1				
948	202	7	repentina				1		1		
949	203	8	spinifera				1				
950	204	9	takatensis				1				
951	205	10	zavreli			?	1				
			SYNDIAMESA (11)	-	-	#	#	-	-	-	-
952	206	1	edwardsi				1				
953	207	2	hygropetrica				1				
954	208	3	kashimae				1				
955	209	4	kyogokusecunda				1				
956	210	5	longipilosa				1				
957	211	6	mira				1				
958	212	7	montana				1				
959	213	8	nigra				1				
960	214	9	serratosioi				1				
961	215	10	vaillanti				1				
962	216	11	yosiii				1				
			Unnamed sp: Oliver <i>et al.</i>				§				

TABLE 6 contd			PRODIAMESINAE (4)	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	COMPTEROMESA (2)	-	-	#	#	-	-	-	-
963	1	1	haradensis				1				
964	2	2	oconeensis			1					
			sp.: Ueno & Iwakuma				§				
			MONODIAMESA (12)	-	#	#	#	-	#	-	-
965	3	1	alpicola				1				
966	4	2	bathyphila			1	1				
967	5	3	depectinata			1					
968	6	4	ekmani				1				
969	7	5	improvisa				1				
970	8	6	kamora				1				
971	9	7	mariae		1						
972	10	8	nigra				1				
973	11	9	nitida				1				
974	12	10	prolilobata			1					
975	13	11	tibetica				1				
976	14	12	tuberculata			1					
			sp.: Brundin		§						
			sp. 1: Ashe <i>et al.</i>						§		
			sp. 2: Ashe <i>et al.</i>						§		
			ODONTOMESA (3)	-	-	#	#	-	#	-	-
977	15	1	ferringtoni			1					
978	16	2	fulva			1	1				
979	17	3	lutosopra			1					
			sp.: Brundin						§		
			PRODIAMESA (6)	-	#	#	#	-	-	-	-
980	18	1	bureschi				1				
981	19	2	cubita			1	?				
982	20	3	delphinensis				1				
983	21	4	levanidovae				1				
984	22	5	olivacea			1	1				
985	23	6	rufovittata				1				
			sp.: Roback		§						
			TELMATOGETONINAE (2)	AN	NT	NE	PA	AF	OR	AU	OC
			TELMATOGETON (28)	#	#	#	#	#	#	#	#
986	1	1	abnormis								1
987	2	2	alaskense			1					
988	3	3	amphibius	1							
989	4	4	antipodensis							1	
990	5	5	atlanticum		1						



TABLE 6 contd			TELMATOGETONINAE contd	AN	NT	NE	PA	AF	OR	AU	OC
Total	Subf	Gen	TELMATOGETON contd								
991	6	6	australicus							1	
992	7	7	eshu		1						
993	8	8	fluviatilis								1
994	9	9	hirtus								1
995	10	10	japonicus			1	1		1	1	1
996	11	11	latipenne		1						
997	12	12	macquariensis							1	
998	13	13	macswaini			1					
999	14	14	magellanicus	1	1						
1000	15	15	minor					1			
1001	16	16	mortoni							1	
1002	17	17	murrayi				1				
1003	18	18	nanum		1						
1004	19	19	pacificus				1		1		1
1005	20	20	pectinatus				1				
1006	21	21	pusillum								1
1007	22	22	sanctipauli	1				1			
1008	23	23	simplicipes		1						
1009	24	24	spinosus			1					
1010	25	25	torrenticola								1
1011	26	26	trilobatus			1					
1012	27	27	trochanteratum		1						
1013	28	28	williamsi								1
			n. spec.: Newman								§
			sp.: Delettre <i>et al.</i>	§							
			THALASSOMYA (11)	-	#	#	#	#	#	#	#
1014	29	1	africana					1			1
1015	30	2	bureni		1	1					
1016	31	3	cocosensis		1						
1017	32	4	frauenfeldi		?		1				
1018	33	5	japonica				1		1		
1019	34	6	longipes		1						
1020	35	7	maritima						1	1	1
1021	36	8	pilipes		1	1			1	1	1
1022	37	9	reissi					1			
1023	38	10	sabroskyi							1	1
1024	39	11	setosipennis								1

TABLE 7. Summary of the number of valid genera recorded, for each subfamily, for the eight zoogeographical regions, and the overall total for each region.

SUBFAMILY	AN	NT	NE	PA	AF	OR	AU	OC
BUCHONOMYIINAE (1)	0	1	0	1	0	1	0	0
CHILENOMYIINAE (1)	0	1	0	0	0	0	0	0
PODONOMINAE (15)	2	5	5	6	2	2	7	0
APHROTENIINAE (3)	0	2	0	0	1	0	3	0
TANYPODINAE (57)	0	26	40	39	20	24	20	5
USAMBAROMYIINAE (1)	0	0	0	0	1	0	0	0
DIAMESINAE (22)	0	6	11	14	2	8	3	0
PRODIAMESINAE (4)	0	2	4	4	0	2	0	0
TELMATOGETONINAE (2)	1	2	2	2	2	2	2	2
<b>TOTAL</b>	<b>3</b>	<b>45</b>	<b>62</b>	<b>66</b>	<b>28</b>	<b>39</b>	<b>35</b>	<b>7</b>

TABLE 8. Summary of the number of valid species recorded, for each subfamily, for the eight zoogeographical regions, and the overall total for each region.

\* The Tanypodinae figure of 575 includes 43 generically unplaced valid species.

SUBFAMILY	AN	NT	NE	PA	AF	OR	AU	OC
BUCHONOMYIINAE (3)	0	1	0	1	0	1	0	0
CHILENOMYIINAE (1)	0	1	0	0	0	0	0	0
PODONOMINAE (158)	3	85	15	17	4	3	36	0
APHROTENIINAE (8)	0	2	0	0	2	0	4	0
TANYPODINAE (575*)	0	94	147	171	71	138	36	14
USAMBAROMYIINAE (1)	0	0	0	0	1	0	0	0
DIAMESINAE (216)	0	11	55	139	4	34	8	0
PRODIAMESINAE (23)	0	1	10	15	0	0	0	0
TELMATOGETONINAE (39)	3	11	7	6	4	5	8	13
<b>TOTAL</b>	<b>6</b>	<b>206</b>	<b>234</b>	<b>349</b>	<b>86</b>	<b>181</b>	<b>92</b>	<b>27</b>

TABLE 9. Changes in numbers of species added since Ashe *et al.* (1987: Table 3) for each subfamily, for the eight zoogeographical regions, and the overall total for each region.

SUBFAMILY	AN	NT	NE	PA	AF	OR	AU	OC
BUCHONOMYIINAE	0	1	0	0	0	0	0	0
CHILENOMYIINAE	0	0	0	0	0	0	0	0
PODONOMINAE	1	2	2	4	1	0	3	0
APHROTENIINAE	0	0	0	0	0	0	0	0
TANYPODINAE	0	43	8	55	6	71	2	3
USAMBAROMYIINAE	0	0	0	0	1	0	0	0
DIAMESINAE	0	1	0	40	0	19	0	0
PRODIAMESINAE	0	0	0	4	0	0	0	0
TELMATOGETONINAE	1	1	0	1	1	2	0	0
<b>TOTAL</b>	<b>2</b>	<b>48</b>	<b>10</b>	<b>104</b>	<b>9</b>	<b>92</b>	<b>5</b>	<b>3</b>

TABLE 10. Numbers and totals of valid taxa (genera, subgenera and species).

\*Includes the nominate subgenera. \*\*One Podonominae species with two subspecies.

SUBFAMILY	Genera	*Subgenera	Species	Total
BUCHONOMYIINAE	1	0	3	4
CHILENOMYIINAE	1	0	1	2
PODONOMINAE**	15	0	158 (+2)	173 (+2)
APHROTENIINAE	3	0	8	11
TANYPODINAE	57	11	575	643
USAMBAROMYIINAE	1	0	1	2
DIAMESINAE	22	4	216	242
PRODIAMESINAE	4	0	23	27
TELMATOGETONINAE	2	0	39	41
<b>TOTAL</b>	<b>106</b>	<b>15</b>	<b>1024 (+2)</b>	<b>1147</b>

TABLE 11. Numbers and totals of genus-group names both valid (genera & subgenera) and invalid (i.e. synonyms & nomina dubia).

SUBFAMILY	Valid	Synonyms	Nomina dubia	Total
BUCHONOMYIINAE	1	0	0	1
CHILENOMYIINAE	1	0	0	1
PODONOMINAE	15	10	1	26
APHROTENIINAE	3	1	0	4
TANYPODINAE	68	12	3	83
USAMBAROMYIINAE	1	0	0	1
DIAMESINAE	26	20	0	46
PRODIAMESINAE	4	1	0	5
TELMATOGETONINAE	2	11	0	13
<b>TOTAL</b>	<b>121</b>	<b>55</b>	<b>4</b>	<b>180</b>

TABLE 12. Numbers and totals of valid and invalid species (i.e. synonyms & nomina dubia).

SUBFAMILY	Valid	Synonyms	Nomina dubia	Total
BUCHONOMYIINAE	3	0	0	3
CHILENOMYIINAE	1	0	0	1
PODONOMINAE	158	17	3	178
APHROTENIINAE	8	1	0	9
TANYPODINAE	575	266	183	1024
USAMBAROMYIINAE	1	0	0	1
DIAMESINAE	216	93	56	365
PRODIAMESINAE	23	25	3	51
TELMATOGETONINAE	39	9	0	48
<b>TOTAL</b>	<b>1024</b>	<b>411</b>	<b>245</b>	<b>1680</b>

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A WORLD CATALOGUE OF CHIRONOMIDAE (DIPTERA)

FAMILY CHIRONOMIDAE

**CHIRONOMIDAE** NEWMAN, 1834: *Entomological Magazine* **2**: 379 (as “Chironomites”). Type-genus: *Chironomus* Meigen, 1803. [Note]

**TENDIPEDIDAE** GRÜNBERG, 1910: *Süsswasserfauna Deutschlands* **2A**: 11. Type-genus: *Tendipes* Meigen, 1800.

SUBFAMILY BUCHONOMYIINAE

**BUCHONOMYIINAE** BRUNDIN & SÆTHER, 1978: *Zoologica Scripta* **7**: 275. Type-genus: *Buchonomyia* Fittkau, 1955.

Genus **BUCHONOMYIA** FITTKAU

**BUCHONOMYIA** FITTKAU, 1955: *Beiträge zur Entomologie* **5**: 403. Type-species: *Buchonomyia thienemanni* Fittkau, 1955, by original designation.

**brundini** ANDERSEN & SÆTHER, 1995: *Chironomids: from genes to ecosystems*: 364 (*Buchonomyia*). Type-locality: “Costa Rica, Guanacasta Province, Guanacasta Conservation Area, Cerro Cacao, Rio San Josecito”. — Distr.: **NT**: Costa Rica.

**burmanica** BRUNDIN & SÆTHER, 1978: *Zoologica Scripta* **7**: 269 (*Buchonomyia*). Type-locality: [Myanmar] “7000 f.a.s.l., Kambaiti, Northern Burma”. — Distr.: **OR**: Myanmar.

**thienemanni** FITTKAU, 1955: *Beiträge zur Entomologie* **5**: 404 (*Buchonomyia*). Type-locality: [Germany] “Wasserkuppe (Rhön)”. — Distr.: **PA**: Austria, Belgium, Corsica, France, Germany, Great Britain, Luxembourg, Iran, Ireland, Italy, Morocco, Slovakia, Spain.

SUBFAMILY CHILENOMYIINAE

**CHILENOMYIINAE** BRUNDIN, 1983: *Entomologica Scandinavica* **14**: 44. Type-genus: *Chilenomyia* Brundin, 1983.

Genus **CHILENOMYIA** BRUNDIN

**CHILENOMYIA** BRUNDIN, 1983: *Entomologica Scandinavica* **14**: 33. Type-species:  
*Chilenomyia paradoxa* Brundin, 1983, by original designation.

**paradoxa** BRUNDIN, 1983: *Entomologica Scandinavica* **14**: 37 (*Chilenomyia*). Type-  
locality: "South Chile, Prov. Cautín, Villarrica". — Distr.: **NT**: Chile.

SUBFAMILY **PODONOMINAE**

**PODONOMINAE** THIENEMANN & EDWARDS in THIENEMANN, 1937:  
*Internationale Revue der gesamten Hydrobiologie und Hydrographie* **35**: 78. Type-  
genus: *Podonomus* Philippi, 1866. [Note]

**BOREOCHLINI** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar*  
**11**: 96. Type-genus: *Boreochlus* Edwards, 1938.

**PODONOMINI** THIENEMANN & EDWARDS in THIENEMANN, 1937: *Internationale*  
*Revue der gesamten Hydrobiologie und Hydrographie* **35**: 78. Type-genus:  
*Podonomus* Philippi, 1866.

Genus **AFROCHLUS** FREEMAN

**AFROCHLUS** FREEMAN, 1964: *Proceedings of the Royal Entomological Society (B)* **33**:  
147. Type-species: *Afrochlus harrisoni* Freeman, 1964, by original designation.

**harrisoni** FREEMAN, 1964: *Proceedings of the Royal Entomological Society (B)* **33**: 148  
(*Afrochlus*). Type-locality: [Zimbabwe] "S. Rhodesia: nr. Salisbury,  
Ngomakuriru Mountain, Chindomora Reserve". — Distr.: **AF**: Zimbabwe.

Genus **ARCHAEOCHLUS** BRUNDIN

**ARCHAEOCHLUS** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens*  
*Handlingar* **11**: 288. Type-species: *Archaeochlus drakensbergensis* Brundin, 1966, by  
original designation.

- bicirratu**s BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 296 (*Archaeochlus*). Type-locality: [Lesotho] “mountain slopes at Qacha’s Nek, 6500 ft, Drakensberg Escarpment, Basutoland, SOUTH AFRICA”. — Distr.: **AF**: Lesotho.
- biko** CRANSTON, EDWARD & COLLESS, 1987: *Systematic Entomology* **12**: 323 (*Archaeochlus*). Type-locality: “NAMIBIA: Rehoboth/Walvisbai district border, Kuiseb River canyon, 23°18'S, 15°45'E, c. 850 mod”. — Distr.: **AF**: Namibia.
- drakensbergensis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 290 (*Archaeochlus*). Type-locality: [Lesotho] “mountain slopes at Qacha’s Nek, 6500 ft, Drakensberg Escarpment, Basutoland, SOUTH AFRICA”. — Distr.: **AF**: Lesotho.

Genus **AUSTROCHLUS** CRANSTON

- AUSTROCHLUS** CRANSTON in CRANSTON, EDWARD & COOK, 2002: *Australian Journal of Entomology* **41**: 362. Type-species: *Archaeochlus brundini* Cranston, Edward & Colless, 1987, by original designation.
- brundini** (CRANSTON, EDWARD & COLLESS, 1987): *Systematic Entomology* **12**: 323 (*Archaeochlus*). Type-locality: “AUSTRALIA: Western Australia, Baker’s Hill, 31°45'S 116°28'E”. — Distr.: **AU**: Australia (Western Australia).
- centralaustralis** CRANSTON, EDWARD & COOK, 2002: *Australian Journal of Entomology* **41**: 365 (*Austrochlus*). Type-locality: {Australia} “Northern Territory. . . East MacDonnell Ranges, John Hayes Waterhole, 22°32'S 134°21'E”. — Distr.: **AU**: Australia (Northern Territory).
- parabrundini** CRANSTON, EDWARD & COOK, 2002: *Australian Journal of Entomology* **41**: 365 (*Austrochlus*). Type-locality: {Australia} “Western Australia . . . Bakers Hill, T. Munn’s property, 31°45'S 116°27'E”. — Distr.: **AU**: Australia (Western Australia).



Genus **BOREOCHLUS** EDWARDS

**BOREOCHLUS** EDWARDS in EDWARDS & THIENEMANN, 1938: *Zoologischer Anzeiger* **122**: 152. Type-species: *Boreochlus thienemanni* Edwards, 1938, by original designation.

**burmanicus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 308 (*Boreochlus*). Type-locality: [Myanmar] “mountain stream at 2000 m, Kambaiti, northern BURMA, at the border to Yunnan”. — Distr.: **OR**: Myanmar.

**gracilistylus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 304 (*Boreochlus*). Type-locality: [Canada] “Elkwater, southeastern ALBERTA”. — Distr.: **NE**: Canada (Alberta), U.S.A. (Alaska, Washington, Wyoming).

**longicoxalsetosus** KOBAYASHI & SUZUKI, 2000: *Aquatic Insects* **22**: 320 (*Boreochlus*). Type-locality: {Japan} “Todorokikyo (32°57'N, 130°7'E) in Nagasaki Prefecture”. — Distr.: **PA**: China (Liaoning), Japan, Russia (Far East).

**malaisei** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 308 (*Boreochlus*). Type-locality: [Myanmar] “mountain stream at 2000 m, Kambaiti, northern BURMA”. — Distr.: **OR**: Myanmar.

**persimilis** (JOHANNSEN, 1926): *Canadian Entomologist* **58**: 99 (*Trichotanypus*). Type-locality: [U.S.A.] “margin of a brook at McLean, N.Y.” [= New York]. — Distr.: **NE**: Canada (British Columbia, Ontario, Québec, Saskatchewan), U.S.A. (Alaska, California, Georgia, Massachusetts, Michigan, New York, North Carolina, Oregon, South Carolina, Tennessee, Virginia, Washington).

*longisetus* BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 306 (*Boreochlus*). Type-locality: [U.S.A.] “Cedar Creek, Ruby Beach, Olympic Peninsula, WASHINGTON”.

**sinuaticornis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 305 (*Boreochlus*). Type-locality: [U.S.A.] “Big Pine Creek, 9000 ft, above Glacier Lodge, near eastern border of Kings Canyon Nat. Park, Sierra Nevada,

CALIFORNIA”. — Distr.: **NE**: U.S.A. (California, Montana, Washington).

**thienemanni** EDWARDS & THIENEMANN, 1938: *Zoologischer Anzeiger* **122**: 153 (*Boreochlus*). Type-locality: “N. Sweden: Abisko”. — Distr.: **PA**: China (Liaoning), Finland, Japan, Norway, Russia (NET, East Siberia, Far East), Sweden. [**Note**]

sp. “Rainier”: BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 305 (*Boreochlus*). Locality: [U.S.A.] “White River, a torrent coming from the glaciers of Mt Rainier, Cascade Range, WASHINGTON”. — Distr.: **NE**: U.S.A. (Washington).

#### Genus **LASIODIAMESA** KIEFFER

**LASIODIAMESA** KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 48 (as subgenus of *Syndiamesa* Kieffer, 1918). Type-species: *Syndiamesa (Lasiodiamesa) gracilis* Kieffer, 1924, by original designation.

**PROSISOPLASTUS** KIEFFER, 1925: *Bulletin de la Société Entomologique de France* **1925**: 16 (as subgenus of *Isoplastus* Skuse, 1889). Type-species: *Isoplastus (Prosisoplastus) sphagnicola* Kieffer, 1925, by original designation. Synonymized with *Lasiodiamesa* Kieffer, 1924, by Edwards in Thienemann (1937: *Internationale Revue der gesamten Hydrobiologie und Hydrographie* **35**: 102). Senior homonym of *Prosisoplastus* Kieffer, 1927.

**PROSISOPLASTUS** KIEFFER, 1927: *Sitzungsberichte der Naturforschender-Gesellschaft bei der Universität Tartu* **33**: 68. Type-species: *Isoplastus (Prosisoplastus) sphagnicola* Kieffer, 1925, by monotypy. Junior homonym of *Prosisoplastus* Kieffer, 1925.

**LINACERUS** GARRETT, 1925: *Seventy New Diptera*: 9. Type-species: *Linacerus piloala* Garrett, 1925, by original designation. Synonymized with *Lasiodiamesa* Kieffer, 1924, by Goetghebuer in Goetghebuer & Lenz (1939: *Die Fliegen der Palaearktischen Region* **13e**: 1).

**STENOTANYPUS** KIEFFER, 1927: *Sitzungsberichte der Naturforschender-Gesellschaft bei*

*der Universität Tartu* **33**: 69. Type-species: *Protanypus turfaceus* Kieffer, 1925 [? = *Syndiamesa (Lasiodiamesa) gracilis* Kieffer, 1924], by monotypy. Synonymized with *Lasiodiamesa* Kieffer, 1924, by Ashe (1983: *Entomologica Scandinavica Supplement* **17**: 49).

**arietina** (COQUILLET, 1908): *Proceedings of the Entomological Society of Washington* **9**: 144 (*Tanypus*). Type-locality: [U.S.A.] "Plattsburg, N. Y." [= New York]. — Distr.: **NE**: Canada (Ontario, Québec), U.S.A. (Michigan, New York, Wisconsin).

**armata** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 325 (*Lasiodiamesa*). Type-locality: "Abisko, Torneträsk area, SWEDISH LAPPLAND". — Distr.: **PA**: Finland, Norway, Sweden.

**bipectinata** SÆTHER, 1967: *Beiträge zur Entomologie* **17**: 235 (*Lasiodiamesa*). Type-locality: [Introduction] "Finse area, Norway, . . . near Lake Finsevatn". — Distr.: **PA**: Germany, Norway.

**brusti** SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 15 (*Lasiodiamesa*). Type-locality: [Canada] "rock pools in granite crevices, Baker Lake, District of Keewatin, N.W.T." [= Northwest Territories, type-locality now in Nunavut]. — Distr.: **NE**: Canada (Nunavut), U.S.A. (Michigan, Minnesota, Wyoming).

**gracilis** (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 47 (*Syndiamesa (Lasiodiamesa)*). Type-locality: [Poland] "Silésie : haut plateau tourbeux". — Distr.: **PA**: ?Estonia, Finland, Netherlands, Poland, Sweden. [Note]

*serpentina* EDWARDS & THIENEMANN in THIENEMANN, 1937: *Internationale Revue der gesamten Hydrobiologie und Hydrographie* **35**: 105 (*Lasiodiamesa*). Type-locality: "swamp at Abisko, Swedish Lapland". [Note]

? *turfaceus* (KIEFFER, 1925): *Bulletin de la Société Entomologique de France* **1925**: 15 (*Protanypus*). Type-locality: "en Esthonie sur un plateau tourbeux" [Esthonie = Estonia]. **Questionable synonym.**

- rawsoni** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 325 (*Lasiodiamesa*). Type-locality: [Canada] “streamlet with dark brown water near Lac la Ronge, SASKATCHEWAN”. — Distr.: **NE**: Canada (Saskatchewan).
- sphagnicola** (KIEFFER, 1925): *Bulletin de la Société Entomologique de France* **1925**: 16 (*Isoplastus (Prosisoplastus)*). Type-localities: “en Esthonie sur un plateau tourbeux” [Esthonie = Estonia]. — Distr.: **NE**: Canada (Ontario), U.S.A. (Michigan); **PA**: Estonia, Faroe Islands, Finland, Germany, Great Britain, Ireland, Norway, Poland, Russia (CET, NET, Far East), Sweden. [Note]
- tenebrosa** (COQUILLET, 1905): *Journal of the New York Entomological Society* **13**: 66 (*Tanypus*). Type-locality: [U.S.A.] “Franconia, N. H.” [= New Hampshire]. — Distr.: **NE**: Canada (British Columbia, Northwest Territories), U.S.A. (Alaska, Michigan, Minnesota, New Hampshire).
- piloala* (GARRETT, 1925): *Seventy New Diptera*: 9 (*Linacerus*). Type-locality: [Canada] “Cranbrook, B.C.” [= British Columbia].
- nearctica* BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 326 (*Lasiodiamesa*). Type-locality: [Canada] “Saw Mill Bay, NORTHWEST TERRITORIES”.
- sp. “Nuolja”: BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 326 (*Lasiodiamesa*). Locality: “SWEDISH LAPPLAND: . . . Shore of a shallow alpine lake on Nuolja, 1000 m, near Abisko, Torneträsk area”. — Distr.: **PA**: Sweden.

Genus **MICROZETIA** SÉGUY

- MICROZETIA** SÉGUY, 1965: *Bulletin du Muséum National d’Histoire Naturelle Paris* (2) **37**: 285. Type-species: *Microzetia mirabilis* Séguy, 1965, by original designation.
- mirabilis** SÉGUY, 1965: *Bulletin du Muséum National d’Histoire Naturelle Paris* (2) **37**: 286 (*Microzetia*). Type-locality: “Crozet : île de la Possession”. — Distr.: **AN**: Crozet Islands.

Genus **PARABOREOCHLUS** THIENEMANN

**PARABOREOCHLUS** THIENEMANN, 1939: *Zoologischer Anzeiger* **128**: 166. Type-species: *Tanypus minutissimus* Strobl, 1895, by original designation.

**minutissimus** (STROBL, 1895): *Mitteilungen des Naturwissenschaftlichen Vereins für Steiermark* **31** (1894): 199 (*Tanypus*). Type-locality: [Austria] “In einer Bachschlucht bei Steiermark”. — Distr.: **PA**: Austria, Corsica, France, Germany, Great Britain, Greece, Hungary, Italy, Morocco, Portugal, Slovakia, Turkey, ¶Yugoslavia. [Note]

*pecteniphora* (GOETGHEBUER, 1934): *Bulletin et Annales de la Société Entomologique de Belgique* **74**: 336 (*Ablabesmyia*). Type-locality: [Germany] {Garmisch-Partenkirchen (Haute-Bavière)} “à une altitude de 1000 m. environ (G.-P.)”.

**okinawanus** KOBAYASHI & KURANISHI, 1999: *Raffles Bulletin of Zoology* **47**: 602 (*Paraboreochlus*). Type-locality: {Japan} “Hiji River, Okinawa Main Island (26°42'N, 126°12'E)”. — Distr.: **PA**: Russia (Far East); **OR**: Japan (Ryukyu Archipelago).

**stahli** COFFMAN in COFFMAN, FERRINGTON & SEWARD, 1988: *Aquatic Insects* **10**: 192 (*Paraboreochlus*). Type-locality: {U.S.A.} “northwestern Pennsylvania: Six Mile Cr., Erie Co.”. — Distr.: **NE**: U.S.A. (Kansas, Maine, Michigan, New York, ?North Carolina, Pennsylvania).

sp. 1: TAKEMON, HIRAYAMA & TANIDA, 1999: *Japanese Journal of Limnology* **60**: 413 (*Paraboreochlus*). Locality: {Japan} “bar-island . . . in a mountain stream of the Takami River in Nara Prefecture”. — Distr.: **PA**: Japan.

Genus **PAROCHLUS** ENDERLEIN

**PAROCHLUS** ENDERLEIN, 1912: *Kungliga Svenska VetenskapsAkademiens Handlingar* **48**: 109. Type-species: *Parochlus fuegianus* Enderlein, 1912, by original designation.

*PARATANYPUS* GARRETT, 1925: *Seventy New Diptera*: 8. Type-species: *Paratanypus kiefferi* Garrett, 1925, by original designation. Synonymized with *Parochlus*

Enderlein, 1912, by Brundin (1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 109).

*KOHLIUM* ENDERLEIN, 1930: *Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin* **1930**: 244. Type-species: *Tanypus steinenii* Gercke, 1889, by original designation. Synonymized with *Parochlus* Enderlein, 1912, by Brundin (1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 109).

**aotearoae** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 138 (*Parochlus*). Type-locality: “small stream running into Lake Lyndon, just below Porter’s Pass, Canterbury, NEW ZEALAND”. — Distr.: **AU**: New Zealand (South Island).

**araucanus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 140 (*Parochlus*). Type-locality: “Rio Tres Brazos near Punta Arenas, Magellanic Territory, SOUTH CHILE”. — Distr.: **NT**: Argentina, Chile, Juan Fernández Islands. [**Note**]

*araucanus* BRUNDIN, 1964: *Pacific Basin Biogeography*: 427 (*Parochlus*). Locality: “South Andes”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition).

**Nomen nudum.**

**ayseni** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 175 (*Parochlus*; as “*ayséni*”). Type-locality: “mountain stream, 1100 m, Coyhaique, Prov. Aysén, SOUTH CHILE”. — Distr.: **NT**: Argentina, Chile.

*ayséni*: incorrect original spelling.

**bassianus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 144 (*Parochlus*). Type-locality: [Australia] “Franklin River, western TASMANIA”. — Distr.: **AU**: Australia (Tasmania). [**Note**]

**brevipennis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 162 (*Parochlus*; as subspecies of *steinenii* Gercke sensu Brundin, 1966). Type-locality: “a torrent at Refugio house, 2300 m, Lo Valdés, Andes of Santiago, CENTRAL CHILE”. — Distr.: **NT**: Chile. [**Note**]

- steinenii steinenii*: sensu BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 159 (*Parochlus*, as “*steineni steineni*”). **Misidentified.** [Note]
- brevis** SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 307 (*Parochlus*).  
Type-locality: {New Zealand} “Campbell I., Northwest Bay beach”. — Distr.:  
**AU**: New Zealand (Auckland Islands, Campbell Island).
- carinatus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 151  
(*Parochlus*). Type-locality: “Bullock Creek, Westland, NEW ZEALAND”. —  
Distr.: **AU**: New Zealand (South Island).
- chiloensis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 130  
(*Parochlus*; as “*chiloéensis*”). Type-locality: “Chepu, Chiloé Island, SOUTH  
CHILE”. — Distr.: **NT**: Chile.  
*chiloéensis*: incorrect original spelling.
- conjungens** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 128  
(*Parochlus*). Type-locality: “Waikukupa River, Westland, NEW ZEALAND”.  
— Distr.: **AU**: New Zealand (South Island). [Note]  
*conjugens*: incorrect subsequent spelling.
- crassicornis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**:  
153 (*Parochlus*). Type-locality: “a torrent near Refugio house, Lo Valdés, 2300  
m, Andes of Santiago, CHILE”. — Distr.: **NT**: Argentina, Chile.
- cristatus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 175  
(*Parochlus*). Type-locality: “a stream coming from Lago Jacob, 1300 m,  
Nahuel Huapi Nat. Park, Prov. Rio Negro, ARGENTINA”. — Distr.: **NT**:  
Argentina.
- crozetensis** SERRA-TOSIO, 1986: *Nouvelle Revue d'Entomologie (N. S.)* **3**: 150  
(*Parochlus*). Type-locality: “îles Crozet, île de la Possession, Pointe Basse”. —  
Distr.: **AN**: Crozet Islands.
- darwini** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 172  
(*Parochlus*). Type-locality: “Puerto Edén, 400-850 m, Wellington Island,  
Magellanic Terr., SOUTH CHILE”. — Distr.: **NT**: Chile.

**duseni** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 129 (*Parochlus*; as “*duséni*”). Type-locality: “Rio Canteras near Peulla, Prov. Llanquihue, SOUTH CHILE”. — Distr.: **NT**: Argentina, Chile.

*duséni*: incorrect original spelling.

**fascipennis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 179 (*Parochlus*). Type-locality: “Puerto Edén, 400-850 m, Wellington Island, Magellanic Terr., SOUTH CHILE”. — Distr.: **NT**: Chile.

**fuegianus** ENDERLEIN, 1912: *Kungliga Svenska VetenskapsAkademiens Handlingar* **48**: 109 (*Parochlus*). Type-locality: [Argentina, Tierra del Fuego] “Feuerland. Uschuaia . . . auf einem Gletscher”. — Distr.: **NT**: Argentina.

**glacialis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 155 (*Parochlus*). Type-locality: “Upper Fox River near Fox Glacier, Westland, NEW ZEALAND”. — Distr.: **AU**: New Zealand (South Island).

**grandilobus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 133 (*Parochlus*). Type-locality: “shore of Lago Huilipilún, Prov. Cautín, SOUTH CHILE”. — Distr.: **NT**: Chile.

**gressitti** SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 306 (*Parochlus*). Type-locality: {New Zealand} “Auckland Is., Auckland I., Ranui Cove”. — Distr.: **AU**: New Zealand (Auckland Islands).

**incaicus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 152 (*Parochlus*). Type-locality: “a torrent near Songo, Nevado Huayna Potosí, Cordillera Real, 4000 m, BOLIVIA”. — Distr.: **NT**: Bolivia, Peru. [**Note**]

*incaicus* BRUNDIN, 1964: *Pacific Basin Biogeography*: 429 (*Parochlus*). Locality: “Andean”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition).

**Nomen nudum.**

**kiefferi** (GARRETT, 1925): *Seventy New Diptera*: 8 (*Paratanypus*). Type-locality: [Canada] “Cranbrook, B.C.” [= British Columbia]. — Distr.: **NE**: Canada (British Columbia, New Brunswick, Ontario, Québec, Saskatchewan), Greenland,



U.S.A. (Alaska, Arizona, California, Colorado, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New Mexico, New York, Oregon, Utah, Washington, Wyoming); **PA**: Austria, Faroe Islands, Finland, Germany, Great Britain, Iceland, Ireland, Italy, Norway, Poland, Sweden. [**Note**]

*kiefferi*: **Not Neotropical; Not Australasian.**

*tibialis* (STAEGER, 1845): *Naturhistorisk Tidsskrift* (2) **1**: 354 (*Tanypus*). Type-locality: [Introduction, p. 3] “Grønlands” [= Greenland]. **Preoccupied.** Junior primary homonym of *Tanypus tibialis* Say, 1823 (a *nomen dubium* in Tanypodinae).

*peregrinus* (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 296 (*Podonomus*). Type-localities: [Great Britain] “Machrie, I. of Arran”; “Ilkley, Yorks.” [= Yorkshire]. [**Note**]

**longicornis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 155 (*Parochlus*). Type-locality: “Bullock Creek, Westland, NEW ZEALAND”. — Distr.: **AU**: New Zealand (South Island). [**Note**]

**maorii** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 144 (*Parochlus*). Type-locality: “Bullock Creek, Westland, NEW ZEALAND”. — Distr.: **AU**: New Zealand (North Island, South Island).

*maorii* BRUNDIN, 1964: *Pacific Basin Biogeography*: 427 (*Parochlus*). Locality: “New Zealand”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition).

**Nomen nudum.**

**montivagus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 165 (*Parochlus*). Type-locality: “a small alpine tarn, 1600 m, Cerro Rigi (just to the north of Cerro Tronadór), Prov. Llanquihue, SOUTH CHILE”. — Distr.: **NT**: Argentina, Chile.

*montivagus* BRUNDIN, 1964: *Pacific Basin Biogeography*: 427 (*Parochlus*). Locality: “South Andes”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition).

**Nomen nudum.**

- nigrinus** (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 258 (*Podonomus*).  
Type-locality: [Argentina] “Bariloche”. — Distr.: **NT**: Argentina, Bolivia, Chile, Juan Fernández Islands, Peru.
- nigrinus** subsp. **nigrinus** (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 258 (*Podonomus*). Type-locality: [Argentina] “Bariloche”. — Distr.: **NT**: Argentina, Chile, Juan Fernández Islands.
- nigrinus** subsp. **peruvianus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 171 (*Parochlus*). Type-locality: “shore of Laguna Sillacunca, 4830 m, Cordillera Apolobamba north of Lake Titicaca, PERU”. — Distr.: **NT**: Bolivia, Peru.
- ohakunensis** (FREEMAN, 1959): *Bulletin of the British Museum (Natural History) Entomology* **7**: 409 (*Podonomus*). Type-locality: {New Zealand} “Wellington: Ohakune”. — Distr.: **AU**: New Zealand (North Island, South Island).
- novaezelandiae* BRUNDIN, 1964: *Pacific Basin Biogeography*: 429 (*Parochlus*; as “*novae zelandiae*”). Type-locality: “New Zealand”. Senior homonym of *Parochlus novaezelandiae* Brundin, 1966. [**Note**]
- pallidus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 133 (*Parochlus*). Type-locality: “shore of Lago Villarrica, Prov. Cautín, SOUTH CHILE”. — Distr.: **NT**: Chile.
- patagonicus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 140 (*Parochlus*). Type-locality: “Rio Nireco, Bariloche, Prov. Rio Negro, ARGENTINA”. — Distr.: **NT**: Argentina.
- pauperatus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 153 (*Parochlus*). Type-locality: “Waikukupa River, Westland, NEW ZEALAND”. — Distr.: **AU**: New Zealand (South Island).
- petecranstoni** ASHE & O’CONNOR, 2009: *Entomologist’s Monthly Magazine* **145**: 157 (*Parochlus*; as nom. nov. for *Parochlus novaezelandiae* Brundin, 1966, nec *Parochlus novaezelandiae* Brundin, 1964). — Distr.: **AU**: New Zealand (South

Island).

*novaezelandiae* BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 154 (*Parochlus*). Type-locality: “Ribbonwood Stream, Canterbury, NEW ZEALAND”. **Preoccupied**. Junior homonym of *Parochlus novaezelandiae* Brundin, 1964. [Note]

**pilosus** (BIGOT, 1888): *Mission scientifique du Cap Horn 1882-1883*, Tome VI. Zoologie. Pt. 2. Insectes: 3 (*Tanypus*). Type-locality: [Introduction] [Chile] “environs de la baie Orange, dans le sud de la Terre de Feu”. — Distr.: **NT**: ?Argentina, Chile. [Note]

**reductus** SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 305 (*Parochlus*). Type-locality: {New Zealand} “Campbell I., Shoal Point”. — Distr.: **AU**: New Zealand (Campbell Island).

**renelli** SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 304 (*Parochlus*). Type-locality: {New Zealand} “Campbell I., Camp Cove”. — Distr.: **AU**: New Zealand (Antipodes Islands, Auckland Islands, Campbell Island).

**rieki** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 182 (*Parochlus*). Type-locality: [Australia] “shore of Upper Derwent River at Derwent Bridge, TASMANIA”. — Distr.: **AU**: Australia (Tasmania).

**selkirki** (WIRTH, 1952): *Revista Chilena de Entomología* **2**: 95 (*Podonomus*). Type-locality: {Chile, Juan Fernández Islands} “MASAFUERA, Inocentes Bajos, 1.000 m.”. — Distr.: **NT**: Juan Fernández Islands.

**skottsbergi** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 163 (*Parochlus*). Type-locality: “Puerto Edén, 400 m, Wellington Island, Magellanic Terr., SOUTH CHILE”. — Distr.: **NT**: Chile.

**spinipalpis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 137 (*Parochlus*). Type-locality: [Chile] “Rusphen, SE Cameron, TIERRA DEL FUEGO”. — Distr.: **NT**: Chile.

**spinosus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 138 (*Parochlus*). Type-locality: “Waikukupa River, Westland, NEW ZEALAND”.

— Distr.: **AU**: New Zealand (South Island).

**squamipalpis** (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 258 (*Podonomus*). Type-locality: [Argentina] “Bariloche”. — Distr.: **NT**: Argentina, Chile.

**steinenii** (GERCKE, 1889): *Jahrbuch der Hamburgischen Wissenschaftlichen Anstalten* **6**: 153 (*Tanypus*; as “*Steinenii*”). Type-locality: [Title] “Süd-Georgiens” [= South Georgia Island]. — Distr.: **AN**: Antarctica, South Georgia Island, South Shetland Islands. [**Note**]

*steinenii*: **Not Neotropical**. [**Note**]

*steineni*: incorrect subsequent spelling.

**subantarcticus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 128 (*Parochlus*). Type-locality: “Puerto Williams, Navarino Island, at the Beagle Channel, SOUTH CHILE”. — Distr.: **NT**: Chile.

**tasmaniae** (FREEMAN, 1961): *Australian Journal of Zoology* **9**: 632 (*Podonomus*). Type-locality: {Australia} “Zeehan, Tas.” [= Tasmania]. — Distr.: **AU**: Australia (Tasmania). [**Note**]

**tonnoiri** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 181 (*Parochlus*). Type-locality: [Australia] “shore of Upper Snowy River above forest limit, 5700 ft, Mt. Kosciusko, NEW SOUTH WALES”. — Distr.: **AU**: Australia (New South Wales, Tasmania).

**tricornis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 163 (*Parochlus*). Type-locality: “Puerto Edén, 400-850 m, Wellington Island, Magellanic Terr., SOUTH CHILE”. — Distr.: **NT**: Chile.

**trigonocerus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 148 (*Parochlus*). Type-locality: “a mountain stream at Peulla, Prov. Llanquihue, SOUTH CHILE”. — Distr.: **NT**: Argentina, Chile.

*trigonocerus* BRUNDIN, 1964: *Pacific Basin Biogeography*: 427 (*Parochlus*). Locality: “South Andean”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th

Edition). **Nomen nudum.**

**tubulicornis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 165 (*Parochlus*). Type-locality: “a mountain stream coming from Lago Jacob, 1300 m, Nahuel Huapi Nat. Park, Prov. Rio Negro, ARGENTINA”. — Distr.: **NT**: Argentina, Chile.

**villarricensis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 137 (*Parochlus*). Type-locality: “shore of Lago Villarrica, Prov. Cautín, SOUTH CHILE”. — Distr.: **NT**: Chile.

*villaricensis*: incorrect subsequent spelling.

**wellingtoni** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 176 (*Parochlus*). Type-locality: “Puerto Edén, 400-850 m, Wellington Island, Magellanic Terr., SOUTH CHILE”. — Distr.: **NT**: Chile.

sp. “Wellington”: BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 179 (*Parochlus*). Locality: “Puerto Edén, 400-850 m, Wellington Island, Magellanic Terr., SOUTH CHILE”. — Distr.: **NT**: Chile.

sp.: EDWARDS & USHER, 1985: *Biological Journal of the Linnean Society* **26**: 84 (*Parochlus*). Locality: “South Georgia”. — Distr.: **AN**: South Georgia Island.

sp. “*araucanus* group”: WATSON & HEYN, 1993: *Netherlands Journal of Aquatic Ecology* **26**: 259 (*Parochlus*). Locality: “Costa Rica . . . C. 2850 m” [= Cartago Province, 2850 metres]. — Distr.: **NT**: Costa Rica.

sp.: RUIZ-MORENO, OSPINA-TORRES, GÓMEZ-SIERRA & RISS, 2000: *Caldasia* **22**(1): 58 (*Parochlus*). Locality: {Colombia} “en las aguas corrientes de la sabana de Bogotá y sus montañas circundantes” [= in streams of the Sabana de Bogotá and surrounding mountains]. — Distr.: **NT**: Colombia.

### Nomina dubia in PAROCHLUS

*annulatus* BRUNDIN, 1964: *Pacific Basin Biogeography*: 427 (*Parochlus*). Locality: “New Zealand”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition).

**Nomen nudum.** [Note]

*edwardsi* (BRUNDIN, 1956): *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 220 (*Podonomus*). Locality: “südandinen” [= South Andes]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.** [Note]

Genus **PODOCHLUS** BRUNDIN

**PODOCHLUS** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 240. Type-species: *Podochlus grandis* Brundin, 1966, by original designation.

*PODONOMITES* BRUNDIN, 1964: *Pacific Basin Biogeography*: 428. Type-species: Not given. Name not made available - not accompanied by a description or fixation of a type-species contrary to Article 13.1 and 13.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum. Syn. nov.** of *Podochlus* Brundin, 1966. [Note]

**australiensis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 258 (*Podochlus*). Type-locality: [Australia] “Upper Snowy River at 5700 ft, . . . Mt Kosciusko, NEW SOUTH WALES”. — Distr.: **AU**: Australia (New South Wales, ?Tasmania).

**beschi** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 253 (*Podochlus*). Type-locality: “Rio Nuble, Prov. Nuble, SOUTH CHILE”. — Distr.: **NT**: Chile.

**cockaynei** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 252 (*Podochlus*). Type-locality: “Waikukupa River, Westland, NEW ZEALAND”. — Distr.: **AU**: New Zealand (North Island, South Island).

**conjunctus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 261 (*Podochlus*). Type-locality: “shores of a mountain stream at Peulla, Prov. Llanquihue, SOUTH CHILE”. — Distr.: **NT**: Chile.

**flexistylus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 265 (*Podochlus*). Type-locality: “a small stream just above the forest limit on Cerro Rigi, near Paso Perez Rosales, Prov. Llanquihue, SOUTH CHILE”. — Distr.:

NT: Chile.

**gracilistylus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 265 (*Podochlus*). Type-locality: "Puerto Edén, Wellington Island, SOUTH CHILE". — Distr.: NT: Chile.

**grandis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 248 (*Podochlus*). Type-locality: "Waikukupa River, western coast of South Island, NEW ZEALAND". — Distr.: AU: New Zealand (North Island, South Island).

**knoxi** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 253 (*Podochlus*). Type-locality: "Bullock Creek, Westland, NEW ZEALAND". — Distr.: AU: New Zealand (South Island).

**longisetus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 262 (*Podochlus*). Type-locality: "Rio Llancahue at Lago Pellaifa, Prov. Cautín, SOUTH CHILE". — Distr.: NT: Chile.

**longispinus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 256 (*Podochlus*). Type-locality: "a swift mountain stream at Peulla, Prov. Llanquihue, SOUTH CHILE". — Distr.: NT: Chile. [Note]

**magellanicus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 254 (*Podochlus*). Type-locality: "Rio Tres Brazos, 3-4 km from the Straits of Magellan, Territory of Magellan, SOUTH CHILE". — Distr.: NT: Chile.

**osornensis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 266 (*Podochlus*). Type-locality: "Rio Petrohué near Ensenada and Volcan Osorno, Prov. Llanquihue, SOUTH CHILE". — Distr.: NT: Chile.

**parvilobus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 265 (*Podochlus*). Type-locality: "Rio Seco, Punta Arenas, Magellanic Territory, SOUTH CHILE". — Distr.: NT: Chile.

**paynensis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 254 (*Podochlus*). Type-locality: "Rio Asencio, a glacier stream coming from the massif of Cerro Payne, Magellanic Territory, SOUTH CHILE". — Distr.: NT: Chile.

- pusillus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 262 (*Podochlus*). Type-locality: “Rio Asencio a swift glacier stream coming from Cerro Payne, Territory of Magellan, SOUTH CHILE”. — Distr.: **NT**: Chile.
- robsoni** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 262 (*Podochlus*). Type-locality: “Rio Asencio, a glacier stream coming from Cerro Payne, Magellanic Territory, SOUTH CHILE”. — Distr.: **NT**: Chile.
- simplex** (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 263 (*Podonomus*). Type-locality: [Chile] “Castro”. — Distr.: **NT**: Chile.
- stouti** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 250 (*Podochlus*). Type-locality: “Henry Creek, at Lake Te Anau, eastern side, Southland, NEW ZEALAND”. — Distr.: **AU**: New Zealand (North Island, South Island).
- subantarcticus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 266 (*Podochlus*). Type-locality: “Puerto Williams, Navarino Island (south of Tierra del Fuego), SOUTH CHILE”. — Distr.: **NT**: Chile.
- tasmaniensis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 258 (*Podochlus*). Type-locality: [Australia] “Derwent River at Derwent Bridge, TASMANIA”. — Distr.: **AU**: Australia (Tasmania).
- tenuicornis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 260 (*Podochlus*). Type-locality: “Arroyo Lopez, a swift mountain stream coming from the snow fields on Cerro Lopez, Nahuel Huapi National Park, Prov. Rio Negro, ARGENTINA”. — Distr.: **NT**: Argentina, Chile.
- valdesianus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 266 (*Podochlus*). Type-locality: “a torrent at Refugio house, Lo Valdés, 2300 m, Andes of Santiago, CENTRAL CHILE”. — Distr.: **NT**: Chile.
- sp. “Canteras”: BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 256 (*Podochlus*). Locality: “Rio Canteras, coming from the snow fields on Cerro Tronador, Peulla, Prov. Llanquihue, SOUTH CHILE”. — Distr.: **NT**: Chile.



- sp. "Nireco": BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 266 (*Podochlus*). Locality: "Rio Nireco, Bariloche, Prov. Rio Negro, ARGENTINA". — Distr.: **NT**: Chile.
- sp. "Peulla": BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 256 (*Podochlus*). Locality: "a swift mountain stream at Peulla, Prov. Llanquihue, SOUTH CHILE". — Distr.: **NT**: Chile.
- sp. "Rio Payne": BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 268 (*Podochlus*). Locality: "Rio Payne near Estancia Laguna Amarga, Magellanic Territory, SOUTH CHILE". — Distr.: **NT**: Chile.
- sp. "Tronadór": BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 268 (*Podochlus*). Locality: "Rio Tronadór below Casa Pangué, Peulla-area, Prov. Llanquihue, SOUTH CHILE". — Distr.: **NT**: Chile.

Genus **PODONOMOPSIS** BRUNDIN

**PODONOMOPSIS** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 272. Type-species: *Podonomus muticus* Edwards, 1931, by original designation. [**Note**]

*PODONOMOPSIS* BRUNDIN, 1964: *Pacific Basin Biogeography*: 428. Type-species: Not given. Name not made available - not accompanied by a description or fixation of a type-species contrary to Article 13.1 and 13.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. Synonymized with *Podonomopsis* Brundin, 1966, by Spies & Reiss (1996: *Spixiana Supplement* **22**: 79).

**andina** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 282 (*Podonomopsis*; as "andinus"). Type-locality: "a torrent coming from snow fields, Lo Valdés, Andes of Santiago, CHILE". — Distr.: **NT**: Chile. [**Note**]  
*andinus*: incorrect original spelling.

**brevipalpis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 285 (*Podonomopsis*). Type-locality: "a streamlet just above the forest limit on Cerro Rigi, Peulla area, Prov. Llanquihue, SOUTH CHILE". — Distr.: **NT**:

Argentina, Chile.

- discoceros** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 285 (*Podonomopsis*). Type-locality: [Australia] “Leather Barrel Creek on the western slopes of Mt Kosciusko, NEW SOUTH WALES, 3500 ft”. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Tasmania, Victoria). [**Note**]
- evansi** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 281 (*Podonomopsis*). Type-locality: [Australia] “Upper Derwent River at Derwent Bridge, TASMANIA”. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Queensland, Tasmania). [**Note**]
- illiesi** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 281 (*Podonomopsis*). Type-locality: “a creek at Camacáni, Puno, Titicaca-area, PERU, 3850 m”. — Distr.: **NT**: Peru.
- mutica** (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 262 (*Podonomus*). Type-locality: [Argentina] “L. Gutierrez”. — Distr.: **NT**: Argentina. [**Note**]  
*mutica*: **Not Australasian**. [**Note**]
- torrentium** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 284 (*Podonomopsis*). Type-locality: “Rio Asencio, a torrent coming from the glaciers of Cerro Payne, Magellanic Territory, SOUTH CHILE”. — Distr.: **NT**: Chile.

Genus **PODONOMUS** PHILIPPI

- PODONOMUS** PHILIPPI, 1866: *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **15**: 601. Type-species: *Podonomus stigmaticus* Philippi, 1866, by monotypy.
- OCHLUS** ENDERLEIN, 1912: *Kungliga Svenska VetenskapsAkademiens Handlingar* **48**: 107. Type-species: *Ochlus uschuiensis* Enderlein, 1912, by original designation. Synonymized with *Podonomus* Philippi, 1866, by Edwards (1931: *Diptera of Patagonia and South Chile* **2**(5): 252).

- acutus** WIRTH, 1952: *Revista Chilena de Entomología* **2**: 98 (*Podonomus*). Type-locality: {Chile, Juan Fernández Islands} “MASAFUERA, La Correspondencia, 1,300 m.”. — Distr.: **NT**: Juan Fernández Islands.
- albinervis** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 261 (*Podonomus*). Type-locality: [Argentina] “Bariloche”. — Distr.: **NT**: Argentina, Chile.
- apolobambae** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 230 (*Podonomus*). Type-locality: “a small stream with rich vegetation of mosses, massif of Nevado Huayna Potosí, 4300 m, Cordillera Real, BOLIVIA”. — Distr.: **NT**: Bolivia, Peru.
- besti** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 204 (*Podonomus*). Type-locality: “a mountain stream coming from Lago Jacob, 1300 m, Nahuel Huapi Nat. Park, Prov. Rio Negro, ARGENTINA”. — Distr.: **NT**: Argentina; Chile.
- bipartitus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 206 (*Podonomus*). Type-locality: “Rio Asencio, coming from the glaciers of Cerro Payne, Ultima Esperanza, Terr. of Magellan, SOUTH CHILE”. — Distr.: **NT**: Chile.
- caranqui** ROBACK, 1970: *Journal of the New York Entomological Society* **78**: 150 (*Podonomus*). Type-locality: “Ecuador, Prov. Cotopaxi, 3,500 m. Road Pujili-Quevedo, Rio Sumbahua”. — Distr.: **NT**: Ecuador.
- chilensis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 206 (*Podonomus*). Type-locality: “a torrent near Refugio house, Lo Valdés, 2300 m, Andes of Santiago, CENTRAL CHILE”. — Distr.: **NT**: Chile.
- collessi** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 214 (*Podonomus*). Type-locality: {Australia} “Rutherford Creek, 2700 ft, Brown Mountain, NEW SOUTH WALES”. — Distr.: **AU**: Australia (New South Wales, Tasmania).
- decarthrus** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 260 (*Podonomus*). Type-locality: [Argentina] “Bariloche”. — Distr.: **NT**:

Argentina. [Note]

- derwentensis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 215 (*Podonomus*). Type-locality: [Australia] “Upper Derwent River at Derwent Bridge, TASMANIA”. — Distr.: **AU**: Australia (Tasmania).
- discistylus** WIRTH, 1952: *Revista Chilena de Entomología* **2**: 96 (*Podonomus*). Type-locality: {Chile, Juan Fernández Islands} “MASAFUERA, Quebrada de las Casas”. — Distr.: **NT**: Juan Fernández Islands.
- edwardsi** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 212 (*Podonomus*). Type-locality: “Rio Asencio, coming from the glaciers of Cerro Payne, Ultima Esperanza, Terr. of Magellan, SOUTH CHILE”. — Distr.: **NT**: Chile. [Note]
- fastigians** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 228 (*Podonomus*). Type-locality: “alpine tarn, 4600 m, massif of Chacaltaya, Cordillera Real, BOLIVIA”. — Distr.: **NT**: Bolivia, Peru.
- fittkai** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 223 (*Podonomus*). Type-locality: “a torrent running into Rio Mantaro, a tributary of Rio Ucayali, 4000 m, Junín area, PERU”. — Distr.: **NT**: Bolivia, Peru.
- illiesi** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 211 (*Podonomus*). Type-locality: “Rio Fortuna, Bahia Inutil, Tierra del Fuego, SOUTH CHILE”. — Distr.: **NT**: Chile.
- inermis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 232 (*Podonomus*). Type-locality: “Rio Tres Brazos near Punta Arenas, Terr. of Magellan, SOUTH CHILE”. — Distr.: **NT**: Argentina, Chile, ?Peru.
- kuscheli** WIRTH, 1952: *Revista Chilena de Entomología* **2**: 95 (*Podonomus*). Type-locality: {Chile, Juan Fernández Islands} “MASAFUERA, Quebrada de las Vacas”. — Distr.: **NT**: Juan Fernández Islands.
- longispinus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 209 (*Podonomus*). Type-locality: “streamlets near Laguna Sillacunca, 4850 m, Cordillera Apolobamba (north of L. Titicaca), PERU”. — Distr.: **NT**: Bolivia,

Peru. [Note]

- maculatus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 238 (*Podonomus*). Type-locality: “a torrent in the massif of Nevado Huayna Potosí, 4000 m, Cordillera Real, BOLIVIA”. — Distr.: **NT**: Bolivia.
- magellanicus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 208 (*Podonomus*). Type-locality: “Rio Tres Brazos near Punta Arenas, Territory of Magellan, SOUTH CHILE”. — Distr.: **NT**: Chile.
- montanus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 216 (*Podonomus*). Type-locality: “a streamlet above the forest limit on Cerro Rigi, 1500 m, Peulla area, Prov. Llanquihue, SOUTH CHILE”. — Distr.: **NT**: Argentina, Chile.
- nordenskjoeldi** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 234 (*Podonomus*; as “*nordensköldi*”). Type-locality: “Rio Asencio, coming from the glaciers of Cerro Payne, Ultima Esperanza, Terr. of Magellan, SOUTH CHILE”. — Distr.: **NT**: Chile.
- nordenskjöldi*: incorrect original spelling.
- nudipennis** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 262 (*Podonomus*). Type-locality: [Argentina] “L. Nahuel Huapi, eastern end”. — Distr.: **NT**: Argentina, Chile.
- orbiculatus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 224 (*Podonomus*). Type-locality: “a waterfall in rain forest above Peulla, Prov. Llanquihue, SOUTH CHILE”. — Distr.: **NT**: Chile.
- oreophilus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 219 (*Podonomus*). Type-locality: “a streamlet above forest limit, 1500 m, Cerro Rigi, Peulla area, Prov. Llanquihue, SOUTH CHILE”. — Distr.: **NT**: Chile.
- parochloides** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 199 (*Podonomus*). Type-locality: “Waikukupa River, Westland, NEW ZEALAND”. — Distr.: **AU**: New Zealand (South Island).
- parvicornis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**:

236 (*Podonomus*). Type-locality: “a torrent in the massif of Nevado Huayna Potosí, 4000 m, Cordillera Real, BOLIVIA”. — Distr.: **NT**: Bolivia.

**paynensis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 234 (*Podonomus*). Type-locality: “Rio Asencio, coming from the glaciers of Cerro Payne, Ultima Esperanza, Terr. of Magellan, SOUTH CHILE”. — Distr.: **NT**: Chile.

**pepinellii** ROQUE & TRIVINHO-STRIXINO, 2004: *Zootaxa* **689**: 2 (*Podonomus*). Type-locality: “Brazil, Minas Gerais, Camanducaia, first-order stream (22°53'S, 46°02'W) at 1853 m elevation”. — Distr.: **NT**: Brazil.

*pepinelli*: incorrect original spelling.

**pygmaeus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 200 (*Podonomus*). Type-locality: “Waikukupa River, Westland, NEW ZEALAND”. — Distr.: **AU**: New Zealand (South Island).

**quito** ROBACK, 1970: *Journal of the New York Entomological Society* **78**: 157 (*Podonomus*). Type-locality: “Ecuador, Prov. Cotopaxi, 3,500 m. Road Pujili-Quevedo, Rio Sumbahua”. — Distr.: **NT**: Ecuador.

**radonichi** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 209 (*Podonomus*). Type-locality: [South Chile] “Rio Fortuna, Bahia Inutil, TIERRA DEL FUEGO”. — Distr.: **NT**: Chile.

**regalis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 235 (*Podonomus*). Type-locality: “a torrent in the massif of Nevado Huayna Potosí, 4000 m, Cordillera Real, BOLIVIA”. — Distr.: **NT**: Bolivia, Ecuador, Peru.

**reticulatus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 239 (*Podonomus*). Type-locality: “a torrent near Refugio house, 2300 m, Lo Valdés, Andes of Santiago, CENTRAL CHILE”. — Distr.: **NT**: Chile.

**rivulorum** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 215 (*Podonomus*). Type-locality: “Rio Payne, near Estancia Laguna Amarga, Ultima Esperanza, Terr. of Magellan, SOUTH CHILE”. — Distr.: **NT**: Argentina, Chile.

- setosus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 232 (*Podonomus*). Type-locality: “Rio Rosario, Bahia Inutil, Tierra del Fuego, SOUTH CHILE”. — Distr.: **NT**: Chile.
- stigmaticus** PHILIPPI, 1866: *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **15**: 602 (*Podonomus*). Type-locality: {Chile} “Ignoro locum ubi cepi” [= the locality where it was found is unknown]. — Distr.: **NT**: Chile. [Note]
- uschuaiensis** (ENDERLEIN, 1912): *Kungliga Svenska VetenskapsAkademiens Handlingar* **48**: 108 (*Ochlus*). Type-locality: [Argentina, Tierra del Fuego] “Feuerland. Uschuaia . . . auf einem Gletscher”. — Distr.: **NT**: Argentina.
- valdesianus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 212 (*Podonomus*). Type-locality: “a torrent at Refugio house, 2300 m, Lo Valdés, Andes of Santiago, CENTRAL CHILE”. — Distr.: **NT**: Chile.
- waikukupae** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 200 (*Podonomus*). Type-locality: “Waikukupae River, Westland, NEW ZEALAND”. — Distr.: **AU**: New Zealand (South Island).
- sp. “Bolivia II”: BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 223 (*Podonomus*). Locality: “BOLIVIA: . . . a torrent in the massif of Nevado Huayna Potosí, 4000 m, Cordillera Real”. — Distr.: **NT**: Bolivia.
- sp. “La Paz”: BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 236 (*Podonomus*). Locality: “BOLIVIA: . . . a torrent in the massif of Nevado Huayna Potosí, 4000 m, Cordillera Real”. — Distr.: **NT**: Bolivia.
- sp. “Rigi II”: BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 218 (*Podonomus*). Localities: “SOUTH CHILE: . . . a small waterfall above the forest limit, 1500 m, Cerro Rigi, Peulla area, Prov. Llanquihue”; “ARGENTINA: . . . Arroyo Lopez, Nahuel Huapi Nat. Park, Prov. Rio Negro”. — Distr.: **NT**: Argentina, Chile.
- sp. “Rigi III”: BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 218 (*Podonomus*). Locality: “SOUTH CHILE: . . . a small streamlet above the

forest limit, 1500 m, Cerro Rigi, Peulla area, Prov. Llanquihue”. — Distr.: **NT**: Chile.

sp. “Rigi IV”: BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 219 (*Podonomus*). Locality: “SOUTH CHILE: . . . a streamlet on Cerro Rigi, 1500 m, above the forest limit, Peulla area, Prov. Llanquihue”. — Distr.: **NT**: Chile.

sp. “Rigi V”: BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 219 (*Podonomus*). Locality: “SOUTH CHILE: . . . a streamlet on Cerro Rigi, 1500 m, above the forest limit, Peulla area, Prov. Llanquihue”. — Distr.: **NT**: Chile.

sp. “Songo”: BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 239 (*Podonomus*). Locality: “BOLIVIA: . . . a torrent in the massif of Nevado Huayna Potosí, 4000 m, Cordillera Real”. — Distr.: **NT**: Bolivia.

sp. “Volcán”: BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 226 (*Podonomus*). Locality: “CENTRAL CHILE: . . . Rio Volcán, 2100 m, Lo Valdés, Andes of Santiago”. — Distr.: **NT**: Chile.

sp.: RUIZ-MORENO, OSPINA-TORRES, GÓMEZ-SIERRA & RISS, 2000: *Caldasia* **22**(1): 53 (*Podonomus*). Locality: {Colombia} “en las aguas corrientes de la sabana de Bogotá y sus montañas circundantes” [= in streams of the Sabana de Bogotá and surrounding mountains]. — Distr.: **NT**: Colombia.

Genus **RHEOCHLUS** BRUNDIN

**RHEOCHLUS** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 269. Type-species: *Rheochlus insignis* Brundin, 1966, by original designation. [**Note**]

**insignis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 269 (*Rheochlus*). Type-locality: “Rio Llancahue at Lago Pellaifa, Prov. Cautín, SOUTH CHILE”. — Distr.: **NT**: Chile.

**prolongatus** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 271 (*Rheochlus*). Type-locality: “Rio Gallegos, Prov. Magallanes,



ARGENTINA". — Distr.: **NT**: Argentina.

**wirthi** (FREEMAN, 1961): *Australian Journal of Zoology* **9**: 632 (*Podonomus*). Type-locality: {Australia} "Middle Creek, Narrabeen, N.S.W." [= New South Wales]. — Distr.: **AU**: Australia (New South Wales).

Genus **SHILOVIA** MAKARCHENKO

**SHILOVIA** MAKARCHENKO, 1989: *Zoologicheskii Zhurnal* **68** (12): 137. Type-species: *Shilovia rara* Makarchenko, 1989, by original designation.

**rara** MAKARCHENKO, 1989: *Zoologicheskii Zhurnal* **68** (12): 140 (*Shilovia*). Type-locality: [Tajikistan] \*\*Tadzhiskaya SSR, otrogi Gissarskogo khrebta, r. Varzob u Kondary, 1100 m nad ur.m.\*\* [= Tadzhiskaya SSR, spurs of the Gissarskogo Mountains, River Varzob at Kondary, 1100 metres above sea level]. — Distr.: **PA**: Tajikistan.

Genus **TRICHOTANYPUS** KIEFFER

**TRICHOTANYPUS** KIEFFER, 1906: *Genera Insectorum* **42**: 42. Type-species: *Tanypus posticalis* Lundbeck, 1898, by monotypy. Senior homonym of *Trichotanypus* Kieffer, 1906 (below).

*TRICHOTANYPUS* KIEFFER, 1906: *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **30**: 319 (in footnote). Type-species: Not given. Junior homonym of *Trichotanypus* Kieffer, 1906 (above).

**aberrata** MAKARCHENKO, 1983: *Ecologia i Sistematika Presnovodnikha Organismov Dal'nego Vostoka, Vladivostok* **1983**: 46 (*Trichotanypus*). Type-locality: [Russia] {SSSR} \*\*Magadanskaya obl., Ten'kinskii r-n, okrestnosti pos. Sibit-Tyzllakh. otrogi pika Vlastnyi, okolo 1000 m nad ur. morya, ruch. Olen' (bassein Verkhnei Kolymy)\*\* [= Magadanskaya Oblast, Ten'kinskii Region, near the village of Sibit-Tyzllakh. spur of Vlastnyi Mountain, about 1000 metres above sea level, Olen' Stream (basin of the upper Kolymy)]. — Distr.: **PA**: Russia (Far East).

- admirabilis** MAKARCHENKO, 1983: *Ecologia i Sistematika Presnovodnikha Organismov Dal'nego Vostoka, Vladivostok* **1983**: 43 (*Trichotanypus*). Type-locality: [Russia] {SSSR} \*\*Chukotskii poluostrov, poberezh'e Chukotskogo morya, ruchsi v 3,5 km vostochnee ust'ya r. Chegituni\*\* [= Chukotskii Peninsula, Chukotskogo seacoast, stream about 3,5 km east of the mouth of the River Chegituni]. — Distr.: **PA**: Russia (Far East).
- alaskensis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 315 (*Trichotanypus*). Type-locality: [U.S.A.] “Point Barrow, ALASKA”. — Distr.: **NE**: U.S.A. (Alaska).
- arctoalpinus** MAKARCHENKO, 1983: *Ecologia i Sistematika Presnovodnikha Organismov Dal'nego Vostoka, Vladivostok* **1983**: 39 (*Trichotanypus*). Type-locality: [Russia] {SSSR} \*\*o.-v. Vrangelya, R. Khishchnikov\*\* [= Wrangel Island, River Khishchnikov]. — Distr.: **PA**: Russia (East Siberia, Far East).
- baicalensis** LINEVICH in LINEVICH & MAKARCHENKO, 1995: *Zoologicheskii Zhurnal* **74** (9): 131 (*Trichotanypus*). Type-locality: [Russia, East Siberia] \*\*bereg oz. Baikal, v doline r. Bol'shie Koty\*\* [= shore of Lake Baikal, in the mouth of the River Bol'shie Koty]. — Distr.: **PA**: Russia (East Siberia).
- baicalensis* LINEVICH, 1971: *Limnologica, Berlin* **8**: 99 (*Trichotanypus*). Locality: [Russia, East Siberia] “around Baikal”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.
- christmasus** MAKARCHENKO, 1983: *Ecologia i Sistematika Presnovodnikha Organismov Dal'nego Vostoka, Vladivostok* **1983**: 44 (*Trichotanypus*). Type-locality: [Russia] {SSSR} \*\*Chukotskii avtonomnyi okrug, ruhei basseina r. Velikaya v raione meteostantsii Berezovo\*\* [= Chukotskii Autonomous Okrug, stream in the basin of the River Velikaya near the meteorological station of Berezovo]. — Distr.: **PA**: Russia (Far East).
- foliaceus** WIRTH & SUBLETTE, 1970: *Journal of the Kansas Entomological Society* **43**: 343 (*Trichotanypus*). Type-locality: [U.S.A.] “Cape Thompson, Alaska,

Ogotoruk Creek". — Distr.: **NE**: U.S.A. (Alaska).

**hanseni** WIRTH & SUBLETTE, 1970: *Journal of the Kansas Entomological Society* **43**: 347 (*Trichotanypus*). Type-locality: [U.S.A.] "Beartooth Plateau, Frozen Lake, 20 mi W, 30 mi N Cody, Wyoming, sweeping above spring area". — Distr.: **NE**: U.S.A. (Wyoming).

**mariae** WIRTH & SUBLETTE, 1970: *Journal of the Kansas Entomological Society* **43**: 345 (*Trichotanypus*). Type-locality: [U.S.A.] "Anaktuvuk, Alaska, Contact Creek". — Distr.: **NE**: U.S.A. (Alaska); **PA**: Finland.

**posticalis** (LUNDBECK, 1898): *Videnskabelige Meddelelser fra Dansk Naturhistorisk Forening i Kjøbenhavn* **5**: 295 (*Tanypus*). Type-locality: "Nordgrønland; Sydostbugten". — Distr.: **NE**: Canada (Nunavut), Greenland, U.S.A. (New York); **PA**: Finland, Norway, Russia (NET, East Siberia, Far East), Sweden.

#### Genus **ZELANDOCHLUS** BRUNDIN

**ZELANDOCHLUS** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 106. Type-species: *Zelandochlus latipalpis* Brundin, 1966, by original designation.

**latipalpis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 107 (*Zelandochlus*). Type-locality: "Fox River, not far downstream Fox Glacier, Westland, NEW ZEALAND". — Distr.: **AU**: New Zealand (South Island).

#### **Nomina dubia in PODONOMINAE**

**PARADIAMESA** BRÈTHES, 1909: *Anales del Museo Nacional de Buenos Aires* (3) **12**: 86.

Type-species: *Paradiamesa andina* Brèthes, 1909, by original designation. [**Note**]

*andina* BRÈTHES, 1909: *Anales del Museo Nacional de Buenos Aires* (3) **12**: 86 (*Paradiamesa*). Type-locality: [Argentina] "de las faldas del Tupungato".

SUBFAMILY APHROTENIINAE

**APHROTENIINAE** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 326. Type-genus: *Aphrotenia* Brundin, 1966.

**APHROTENIINI** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 326. Type-genus: *Aphrotenia* Brundin, 1966. [Note]

Genus **APHROTENIA** BRUNDIN

**APHROTENIA** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 338. Type-species: *Aphrotenia tsitsikamae* Brundin, 1966, by original designation.

**australiensis** HERGSTROM in CRANSTON & EDWARD, 1992: *Systematic Entomology* **17**: 50 (*Aphrotenia*). Type-locality: "AUSTRALIA: South Australia, Eric Bonython Reserve". — Distr.: **AU**: Australia (South Australia).

**barnardi** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 346 (*Aphrotenia*). Type-locality: "mountain stream running into Upper Berg River and coming from Franschoekberge, E Stellenbosch, SW Cape Province, SOUTH AFRICA". — Distr.: **AF**: South Africa.

**tsitsikamae** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 339 (*Aphrotenia*). Type-locality: "Bloukrans River, just above the bridge, . . . Tsitsikama area, SW Cape Province, SOUTH AFRICA". — Distr.: **AF**: South Africa.

"larval species indet.": CRANSTON & EDWARD, 1992: *Systematic Entomology* **17**: 51 (*Aphrotenia*). Localities: "AUSTRALIA: Australian Capital Territory, Brindabella Ranges, Lees Creek, 35°21'S, 148°52'E"; "Blundells Creek, 35°22'S, 148°50'E"; "Victoria, Thompson River, 37°40'S, 146°15'E". — Distr.: **AU**: Australia (Australian Capital Territory, Victoria).

Genus **APHROTENIELLA** BRUNDIN

**APHROTENIELLA** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 348. Type-species: *Aphroteniella filicornis* Brundin, 1966, by original

designation.

**ANAPHROTENIA** BRUNDIN, 1983: *Entomologica Scandinavica* **14**: 423. Type-species: *Anaphrotenia lacustris* Brundin, 1983, by original designation. Synonymized with *Aphroteniella* Brundin, 1966, by Cranston & Edward (1992: *Systematic Entomology* **17**: 42).

**filicornis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 348 (*Aphroteniella*). Type-locality: {Australia} “Cedar Creek, Tambourine Mountain, SOUTH QUEENSLAND”. — Distr.: **AU**: Australia (New South Wales, Northern Territory, Queensland, Victoria, Western Australia).

*lacustris* (BRUNDIN, 1983): *Entomologica Scandinavica* **14**: 427 (*Anaphrotenia*). Type-locality: [Australia] “South Queensland, Fraser Island, Lake Boemingen” [now = Boomanjin].

**tenuicornis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 352 (*Aphroteniella*). Type-locality: {Australia} “Rutherford Creek, 2700 ft, Brown Mountain southeast Nimmitabel, NEW SOUTH WALES”. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Victoria, Western Australia).

species “Peulla”: BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 352 (*Aphroteniella*). Locality: “mountain stream at Peulla, eastern end of Lago Todos los Santos, Prov. Llanquihue, SOUTH CHILE”. — Distr.: **NT**: Chile.

#### Genus **PARAPHROTENIA** BRUNDIN

**PARAPHROTENIA** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 352. Type-species: *Paraphrotenia excellens* Brundin, 1966, by original designation.

**excellens** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 354 (*Paraphrotenia*). Type-locality: “Arroyo Lopez, a torrent coming from the snow fields on Cerro Lopez, about 25 km W of Bariloche, Nahuel Huapi Nat.

Park, Prov. Rio Negro, ARGENTINA”. — Distr.: **NT**: Argentina, Chile.

**fascipennis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 358 (*Paraphrotenia*). Type-locality: {Australia} “Rutherford Creek, 2700 ft, Brown Mountain southeast Nimmitabel, NEW SOUTH WALES”. — Distr.: **AU**: Australia (New South Wales, Victoria).

**multispinosa** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 356 (*Paraphrotenia*). Type-locality: “brook running through dense *Notofagus* forest, northern shore of Lago Villarrica, Prov. Cautín, SOUTH CHILE”. — Distr.: **NT**: Chile.

#### SUBFAMILY TANYPODINAE

**TANYPODINAE** KIEFFER, 1906: *Genera Insectorum* **42**: 33 (originally as “Tanypinæ”).

Type-genus: *Tanypus* Meigen, 1803. Junior homonym and synonym of Tanypodinae Skuse, 1889. [**Note**]

**TANYPODINAE** SKUSE, 1889: *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 276 (originally as “Tanypina”). Type-genus: *Tanypus* Meigen, 1803. Senior homonym and synonym of Tanypodinae Kieffer, 1906. [**Note**]

**PELOPIINAE** KIEFFER, 1911: *Records of the Indian Museum* **6**: 330. Type-genus: *Pelopia* Meigen, 1800.

**ANATOPYNIINI** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 61. Type-genus: *Anatopynia* Fries, 1823.

**COELOPYNIINI** ROBACK, 1982: *Journal of the Australian Entomological Society* **21**: 150. Type-genus: *Coelopynia* Freeman, 1961.

**COELOTANYPODINI** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 62. Type-genus: *Coelotanypus* Kieffer, 1913. Junior synonym of Clinotanypodini Lipina, 1928. [**Note**]

**CLINOTANYPODINI** LIPINA, 1928: *Lichinki i kukolki khironomid. Ekologiya i sistematika*: 71 (originally as “Clinotanypi”). Type-genus: *Clinotanypus* Kieffer, 1913. Senior synonym of Coelotanypodini Fittkau, 1962. [**Note**]

**MACROPELOPIINI** ZAVŘEL, 1929: *Zprávy komise na přěirodovědecký v výzkum Moravy a Slezska. Oddělení zoologické* **18**: 46 (originally as “Macropelopidae”). Type-genus: *Macropelopia* Thienemann, 1916. [Note]

**NATARSIINI** ROBACK & MOSS, 1978: *Proceedings of the Academy of Natural Sciences of Philadelphia* **129**: 138. Type-genus: *Natarsia* Fittkau, 1962.

**PENTANEURINI** HENNIG, 1950: *Die Larvenformen der Dipteren 2. Teil*: 239. Type-genus: *Pentaneura* Philippi, 1866. Senior synonym of *Ablabesmyiini* Hennig, 1950. [Note]

**ABLABESMYIINI** HENNIG, 1950: *Die Larvenformen der Dipteren 2. Teil*: 239 (originally as “*Ablabesmiini*”). Type-genus: *Ablabesmyia* Johannsen, 1905. Name not made available – first published as a junior synonym contrary to Article 11.6 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. Junior synonym of *Pentaneurini* Hennig, 1950. [Note]

**PROCLADIINI** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 148 (originally as Subtribe *Procladiina*). Type-genus: *Procladius* Skuse, 1889.

**TANYPODINI** KIEFFER, 1906: *Genera Insectorum* **42**: 33 (originally as “*Tanypinae*”). Type-genus: *Tanypus* Meigen, 1803.

#### Genus **ABLABESMYIA** JOHANNSEN

**ABLABESMYIA** JOHANNSEN, 1905: *Bulletin of the New York State Museum* **86**: 135. Type-species: *Tipula monilis* Linnaeus, 1758, by subsequent designation of Johannsen (1907: *Entomological News* **18**: 400).

**ISOPLASTUS** SKUSE, 1889: *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 279. Type-species: *Isoplastus notabilis* Skuse, 1889, by subsequent designation of Coquillett (1910: *Proceedings of the United States National Museum* **37**: 556). **Preoccupied**. Junior homonym of *Isoplastus* Horn, 1880.

**ABLABESMYIA** JOHANNSEN, 1905: see below as subgenus.

**ASAYIA** ROBACK, 1985: see below as subgenus.

**KARELIA** ROBACK, 1971: see below as subgenus.

**SARTAIA** ROBACK, 1983: see below as subgenus.

Subgenus **ABLABESMYIA** JOHANNSEN

**alba** CHAUDHURI, DEBNATH & NANDI, 1983: *Journal of Natural History* **17**: 902 (*Ablabesmyia* (*Ablabesmyia*)). Type-locality: {India} “West Bengal, Chittaranjan”. — Distr.: **OR**: India (West Bengal).

**amamisimplex** SASA, 1990: *Japanese Journal of Experimental Medicine* **60**: 134 (*Ablabesmyia*). Type-locality: [Nansei Islands, southern Japan] “Yakkachi River, Amami Island”. — Distr.: **OR**: Japan (Ryukyu Archipelago).

**annulatipes** (KIEFFER, 1912): *Spolia Zeylanica* **8**: 8 (*Pelopia*). Type-locality: [Sri Lanka] {Ceylan} “Peradeniya”. — Distr.: **OR**: Sri Lanka.

**appendiculata** (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 201 (*Tanypus*). Type-locality: “Cameroun: Kribi”. — Distr.: **AF**: Benin, Burkina Faso, Cameroon, Central African Republic, Chad, Côte d’Ivoire, D. R. Congo, Ghana, Guinea, Malawi, Mali, Nigeria, Senegal, South Africa, Sudan, Togo, Uganda.

*collarti* GOETGHEBUER, 1935: *Revue de Zoologie et de Botanique Africaines* **27**: 358 (*Ablabesmyia*; as “*Collarti*”). Type-locality: [Democratic Republic of the Congo] “Stanleyville” [= Kisangani].

? *bicinctus* (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 198 (*Tanypus*). Type-locality: [Democratic Republic of the Congo] “Congo Belge: Go., District Nelle inférieur”. **Questionable synonym.**

**aspera** (ROBACK, 1959): *Transactions of the American Entomological Society* **85**: 124 (*Pentaneura* (*Ablabesmyia*)). Type-locality: [U.S.A.] “Salisbury Cove, Mt. Desert Island Biological Lab., Mt Desert Island, Maine”. — Distr.: **NE**: Canada (British Columbia, Saskatchewan), U.S.A. (Arizona, California, Colorado, Florida, Georgia, Iowa, Maine, Michigan, Minnesota, New Hampshire, New York, Oregon, South Carolina, Wisconsin).



- gera* (ROBACK, 1959): *Transactions of the American Entomological Society* **85**: 126 (*Pentaneura (Ablabesmyia)*). Type-locality: [U.S.A., New Hampshire] “White Mts.”.
- atromaculata** EDWARDS, 1928: *Insects of Samoa* **6**: 59 (*Ablabesmyia*). Type-locality: {Western Samoa} “Upolu: Apia”. — Distr.: **OC**: Western Samoa.
- callicoma** KIEFFER, 1911, *Records of the Indian Museum* **6**: 29 (*Pelopia*). Type-locality: {China} “Yunnan: Man-nau”. — Distr.: **OR**: China (Yunnan).
- costarricensis** (PICADO, 1913): *Bulletin Scientifique de la France et de la Belgique* **47**: 281 (*Isoplastus*; as “*Isoplastus* (= *Ablabesmyia*)”). Type-localities: {Costa Rica} “La Estrella, 2.000 mètres”; “Orosi, 1.200 mètres”; “Peralta, 200 mètres”. — Distr.: **NT**: Costa Rica.
- costaricensis*: incorrect subsequent spelling.
- digitata** (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 193 (*Tanypus*). Type-locality: “Cameroun : Kribi”. — Distr.: **AF**: Cameroon.
- dusoleili** GOETGHEBUER, 1935: *Revue de Zoologie et de Botanique Africaines* **27**: 359 (*Ablabesmyia*; as “*Dusoleili*”). Type-locality: “Uganda : Namasgali” [= Namasagali]. — Distr.: **PA**: Canary Islands, Egypt, Spain; **AF**: Benin, Burkina Faso, Cameroon, Chad, Congo, D. R. Congo, Ethiopia, Kenya, Madagascar, Mali, Nigeria, Senegal, South Africa, Sudan, Togo, Uganda, Zimbabwe. [**Note**]
- ebbae** LEHMANN, 1981: *Spixiana Supplement* **5**: 8 (*Ablabesmyia (Ablabesmyia)*). Type-locality: [Democratic Republic of the Congo] “Simisimi-Bach, Kisangani, Zaire”. — Distr.: **PA**: Morocco; **AF**: D. R. Congo.
- ensiceps** CHAUDHURI, DEBNATH & NANDI, 1983: *Journal of Natural History* **17**: 906 (*Ablabesmyia (Ablabesmyia)*). Type-locality: {India} “West Bengal, Raniganj”. — Distr.: **OR**: India (West Bengal).
- freemani** HARRISON, 1978: *Journal of the Entomological Society of Southern Africa* **41**: 78 (*Ablabesmyia*). Type-locality: “Vaal River, Standerton-Villiers road, SOUTH AFRICA, 28°44'E, 26°59'S”. — Distr.: **AF**: Ethiopia, South Africa, Zimbabwe.
- hauberi** BECK & BECK, 1966: *Bulletin of the Florida State Museum Biological Sciences*

**10:** 329 (*Ablabesmyia*). Type-locality: [U.S.A.] “Flagler County, Florida, Rayonier Ditch”. — Distr.: **NE:** Canada (Manitoba, Ontario), U.S.A. (Florida, Georgia, Kentucky, Mississippi, New Jersey, New York, Pennsylvania).

**hilli** FREEMAN, 1961: *Australian Journal of Zoology* **9**: 620 (*Ablabesmyia*). Type-locality: {Australia} “Townsville, Qld.” [= Queensland]. — Distr.: **AU:** Australia (Queensland, Victoria, Western Australia), Papua New Guinea; **OC:** Western Samoa.

**indica** (KIEFFER, 1910): *Memoirs of the Indian Museum* **2**: 212 (*Isoplastus*). Type-localities: [India] “Calcutta, . . . ; Katihar, District de Purneah”. — Distr.: **OR:** India (Bihar, West Bengal). **Comb. nov.** [Note]

**infumata** (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 249 (*Pentaneura*). Type-locality: [Chile] “Peulla”. — Distr.: **NT:** Argentina, Chile.

**janta** (ROBACK, 1959): *Transactions of the American Entomological Society* **85**: 131 (*Pentaneura (Ablabesmyia)*). Type-locality: [U.S.A.] “Plummers Island, Md.” [= Maryland]. — Distr.: **NE:** Canada (\$Northwest Territories), U.S.A. (Florida, Georgia, Maryland, Oklahoma, Pennsylvania, South Carolina, Tennessee, Texas); **PA:** Russia (Far East).

**jogancornua** SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 64 (*Ablabesmyia*). Type-locality: {Japan} [page 52] “Joganji River”. — Distr.: **PA:** Japan.

**johannseni** (ROBACK, 1959): *Transactions of the American Entomological Society* **85**: 131 (*Pentaneura (Ablabesmyia)*). Type-locality: [U.S.A.] “Algonquin, Ill.” [= Illinois]. — Distr.: **NE:** U.S.A. (Illinois).

**longistyla** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 436 (*Ablabesmyia*). Type-localities: “Deutschland . . . Holstein : Großer Plöner See”; “Kossau”; “Hessen : Schlitz an der Schlitz bei der Fuldastation”; “Eifel : Ulmener Maar, Heilenbecke-Sperre”; “Oberbayern : Partenkirchen”; “Österreich : Lunzer Untersee”. — Distr.: **PA:** Austria, Belarus, Belgium, Bulgaria, Canary Islands, Crete, Denmark, Egypt, Estonia, Faroe Islands,

Finland, France, Germany, Great Britain, Greece, Hungary, Ireland, Italy, Japan, Lebanon, Lithuania, Luxembourg, Morocco, Netherlands, Norway, Oman, Poland, Portugal, Romania, Russia (NET, CET, SET, East Siberia, Far East), Saudi Arabia, Sicily, South Korea, Spain, Sweden, Switzerland, Syria, Turkey, Ukraine.

**maculitibialis** CHAUDHURI, DEBNATH & NANDI, 1983: *Journal of Natural History* **17**: 907 (*Ablabesmyia* (*Ablabesmyia*)). Type-locality: {India} “West Bengal, Raniganj”. — Distr.: **OR**: India (West Bengal).

**mala** (HUTTON, 1902): *Transactions and Proceedings of the New Zealand Institute* **34**: 187 (*Tanypus*). Type-locality: {New Zealand} “Christchurch”. — Distr.: **AU**: New Zealand (Campbell Island, South Island).

**mallochi** (WALLEY, 1925): *Canadian Entomologist* **57**: 273 (*Tanypus*). Type-locality: {Canada} “Ottawa, Ont.” [= Ontario]. — Distr.: **NE**: Canada (Manitoba, New Brunswick, Ontario, Québec), U.S.A. (Alabama, Arizona, California, District of Columbia, Florida, Georgia, Illinois, Iowa, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, New Jersey, New York, North Carolina, Oklahoma, Pennsylvania, South Carolina, South Dakota, Tennessee, Virginia, Wisconsin); **PA**: Russia (CET).

*auriensis* (ROBACK, 1957): *Monographs of the Academy of Natural Sciences of Philadelphia* **9**: 39 (*Pentaneura*). Type-locality: [U.S.A.] {Pennsylvania} “Chester Creek where it crosses U.S. 202”.

*aequifasciata* (DENDY & SUBLETTE, 1959): *Annals of the Entomological Society of America* **52**: 507 (*Pentaneura* (*Ablabesmyia*)). Type-locality: [U.S.A.] “Wilson Dam, Alabama”.

*ornata* BECK & BECK, 1966: *Bulletin of the Florida State Museum Biological Sciences* **10**: 328 (*Ablabesmyia*). Type-locality: [U.S.A.] “Flagler County, Florida, Rayonier Ditch”.

*tarella* ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 368 (*Ablabesmyia* (*Ablabesmyia*)). Type-locality: [U.S.A.]

“Tucker, Florida”.

**moniliformis** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 430 (*Ablabesmyia*; as “n. spec.” [= nom. nov] for *monilis* sensu Tokunaga, 1937 nec *monilis* Linnaeus, 1758). Type-locality: “Japan”; || ► Type-localities: {Japan} “Kyoto: Shimogamo”; “Hachijo”; “Arashiyama”; “Kibune”; “Yamashina”; “Uzumasa”; “Kitashirakawa”; “Seto, Wakayama Prefecture”; “Mount Daisen, Tottori Prefecture”; “Karo, Tottori Prefecture”; “Iyayama, Tokushima Prefecture” in Tokunaga, 1937: *Philippine Journal of Science* **62**: 44-46 ◀ ||. — Distr.: **PA**: Japan; **OR**: Indonesia (Java, Sumatra), Philippines (Luzon), Taiwan. [Note]

**monilis** (LINNAEUS, 1758): *Systema naturæ* (10th Edition) **1**: 587 (*Tipula*). Type-locality: “Habitat in Europa”. — Distr.: **NE**: Canada (Alberta, British Columbia, Northwest Territories, Ontario, Québec, Saskatchewan), U.S.A. (Alaska, Arizona, California, Colorado, Idaho, Iowa, Kansas, Michigan, Minnesota, New Jersey, New Mexico, New York, Oregon, Pennsylvania, South Dakota, Utah, Washington, Wisconsin, Wyoming); **PA**: Albania, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Canary Islands, China (Inner Mongolia, Liaoning, Ningxia, Qinghai), Croatia, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Japan, Kaliningrad, Latvia, Macedonia, Moldova, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, SET, East Siberia, Far East), Saudi Arabia, Sicily, Slovakia, South Korea, Spain, Switzerland, Turkey, Ukraine, ¶Yugoslavia; **OR**: China (Fujian, Hubei, Yunnan, Zhejiang), Japan (Ryukyu Archipelago), Taiwan.

*monilis*: **Not Neotropical; Not Australasian; Not Oceanian.**

*maculata* (DE GEER, 1776): *Mémoires pour servir à l'histoire des insectes. Tome sixième*: 345 (*Tipula*). Type-locality: Not given.

*semiglabra* (KIEFFER, 1915): *Brotéria, Série Zoológica* **13**: 66 (*Pelopia*). Type-locality: “Deutschland (Eifel: Gemündener Maar”.

- miriforceps* (KIEFFER in THIENEMANN & KIEFFER, 1916): *Archiv für Hydrobiologie Supplement* **2**: 520 (*Pelopia*). Type-locality: {Sweden} “am Ufer des Vättern vor Jönköping”.
- basalis* (WALLEY, 1925): *Canadian Entomologist* **57**: 273 (*Tanypus*). Type-locality: {Canada} “Ottawa, Ont.” [= Ontario].
- americana* FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 430 (*Ablabesmyia*; as “n. spec.” [= nom. nov.] for *monilis* sensu Johannsen, 1905 nec *monilis* Linnaeus, 1758). Type-locality: [U.S.A.] “Nordamerika” || ► Type-localities: [U.S.A.] “New Jersey”; “Illinois”; “Ithaca, N. Y.” [= New York]; “South Dakota” in Johannsen, 1905: *Bulletin of the New York State Museum* **86**: 142-144 ◀ ||.
- nigra* ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 378 (*Ablabesmyia* (*Ablabesmyia*); as var. of *monilis* Linnaeus, 1758). Type-locality: “United States Arizona — Nr. Alpine”.
- yufucomplexa* SASA & SUZUKI, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 99 (*Ablabesmyia*). Type-locality: [Japan] [page 93] “Yufuin Town (Oita Prefecture)”.
- tomotertia* SASA, 1993: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1993**: 58 (*Ablabesmyia*). Type-locality: [Japan] [page 55] “rice paddy area of Tomosaka, in the suburbs of Toyama City”.
- notabilis** (SKUSE, 1889): *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 280 (*Isoplastus*). Type-localities: {Australia} “Nepean River, near Penrith, Blue Mts., and Sydney, N.S.W.” [= New South Wales]. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Queensland, South Australia, Tasmania, Victoria, Western Australia); **OC**: Western Samoa.
- ornatipes** (KIEFFER, 1910): *Memoirs of the Indian Museum* **2**: 214 (*Isoplastus*). Type-locality: [India] “Côte d’Orissa: Puri”. — Distr.: **OR**: India (Jharkhand, Kerala, Orissa, West Bengal).
- parajanta** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of*

*Philadelphia* **17**: 373 (*Ablabesmyia* (*Ablabesmyia*). Type-locality: [U.S.A.] “South Carolina — Savannah River Plant, Aiken Co.”. — Distr.: **NE**: Canada (Ontario), U.S.A. (Florida, Georgia, Mississippi, Nebraska, New York, North Carolina, Pennsylvania, South Carolina).

**phatta** (EGGER, 1863): *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **13**: 1109 (*Tanypus*). Type-locality: “Vaterland: Oesterreich . . . Gmunden” [Oesterreich = Austria]. — Distr.: **PA**: Armenia, Austria, Belarus, Belgium, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Kaliningrad, Latvia, Lithuania, Netherlands, Norway, Poland, Romania, Russia (CET, NET, SET, East Siberia, Far East), Slovakia, Spain, Sweden, Switzerland, Turkey.

*connectens* THIENEMANN, 1937: *Stettiner Entomologische Zeitung* **98**: 165 (*Ablabesmyia*; as var. of *monilis* Linnaeus, 1758). Type-locality: [Germany] “Gr. Plöner See” [= Grosser Plöner See].

**prorasha** KOBAYASHI & KUBOTA, 2002: *Raffles Bulletin of Zoology* **50**: 323 (*Ablabesmyia*). Type-locality: “Japan, Kanagawa Prefecture, Ikuta (35°36'N, 139°32'E; 60 m in altitude)”. — Distr.: **PA**: Japan, South Korea; **OR**: Japan (Ryukyu Archipelago); **OC**: Bonin Islands.

**pruinosa** HARRISON, 1978: *Journal of the Entomological Society of Southern Africa* **41**: 79 (*Ablabesmyia*). Type-locality: [Zimbabwe] “Ruwa River, near Marandellas, RHODESIA”. — Distr.: **AF**: South Africa, Zimbabwe.

**pulchripes** (KIEFFER, 1910): *Memoirs of the Indian Museum* **2**: 214 (*Isoplastus*). Type-localities: [India] “Calcutta”; “côte d’Orissa: Puri”. — Distr.: **OR**: India (Orissa, West Bengal), Taiwan.

**punctulata** (PHILIPPI, 1866): *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **15**: 599 (*Chironomus*). Type-locality: {Chile} “In prov. Valdivia nec no prope Catemu in prov. Aconcagua”. — Distr.: **NT**: Argentina, Chile. [**Note**]

**rasha** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**:

371 (*Ablabesmyia* (*Ablabesmyia*)). Type-locality: [U.S.A.] “New Hampshire — Mt. Washington”. — Distr.: **NE**: U.S.A. (New Hampshire).

**rhamphe** SUBLETTE, 1964: *Tulane Studies in Zoology* **11**: 114 (*Ablabesmyia*). Type-locality: {United States} “Natchitoches, Louisiana”. — Distr.: **NE**: U.S.A. (Alabama, Florida, Georgia, Iowa, Louisiana, Minnesota, New Mexico, Ohio, Texas).

**rimae** HARRISON, 1991: *Spixiana* **14**: 55 (*Ablabesmyia* (*Ablabesmyia*)). Type-locality: {Ethiopia} “Lake Awasa”. — Distr.: **AF**: Ethiopia.

**rufa** (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 197 (*Tanypus*). Type-locality: “Cameroun : Kribi”. — Distr.: **AF**: Cameroon.

**simpsoni** ROBACK, 1985: *Proceedings of the Academy of Natural Sciences of Philadelphia* **137**: 188 (*Ablabesmyia* (*Ablabesmyia*)). Type-locality: {U.S.A.} “New York, Lower Hudson River, nr. Wemple, Albany Co.”. — Distr.: **NE**: U.S.A. (South Carolina, New York, Pennsylvania).

**transversa** CHAUDHURI, DEBNATH & NANDI, 1983: *Journal of Natural History* **17**: 909 (*Ablabesmyia* (*Ablabesmyia*)). Type-locality: {India} “West Bengal, Raniganj”. — Distr.: **OR**: India (West Bengal).

**variipes** (KIEFFER, 1910): *Memoirs of the Indian Museum* **2**: 215 (*Isoplastus*). Type-locality: [Myanmar] “Upper Burma : Mandalay”. — Distr.: **OR**: Myanmar.

**xinhuai** ASHE & O'CONNOR, 2009: *Entomologist's Monthly Magazine* **145**: 158 (*Ablabesmyia* (*Ablabesmyia*); as nom. nov. for *Tanypus subrectus* Kieffer, 1923 nec *Tanypus* (*Tanypus*) *subrectus* Kieffer, 1918). — Distr.: **AF**: Cameroon.

*subrecta* (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 199 (*Tanypus*). Type-locality: “Cameroun : Kribi”. Junior primary homonym of *Tanypus* (*Tanypus*) *subrectus* Kieffer, 1918.

sp.: WOLFF, BRASHER & RICHARDS, 2002: *Bishop Museum Occasional Papers* **69**: 33 (*Ablabesmyia*). Locality: {Hawaiian Islands} “O‘AHU: Waikakalaua Str, 600 ft [183 m]”. — Distr.: **OC**: Hawaiian Islands.

Subgenus **ASAYIA** ROBACK

**ASAYIA** ROBACK, 1985: *Proceedings of the Academy of Natural Sciences of Philadelphia* **137**: 177. Type-species: *Tanypus annulatus* Say, 1823, by original designation.

**annulata** (SAY, 1823): *Journal of the Academy of Natural Sciences of Philadelphia* **3**: 15 (*Tanypus*). Type-locality: {United States} “Pennsylvania”. — Distr.: **NE**: Canada (Manitoba, Ontario, Québec, Saskatchewan), U.S.A. (California, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Louisiana, Michigan, Minnesota, Missouri, New Jersey, New York, North Dakota, Oklahoma, South Dakota, Tennessee, Virginia). Junior secondary homonym of *Tanypus annulatus* (Linnaeus, 1767). [Note]

sp.: MURRAY & FITTKAU, 1989: *Entomologica Scandinavica Supplement* **34**: 43 (*Ablabesmyia* (*Asayia*)). Locality: “Neotropical region”. — Distr.: **NT**: Country not specified.

Subgenus **KARELIA** ROBACK

**KARELIA** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 357. Type-species: *Tanypus illinoensis* Malloch, 1915, by original designation.

**alaskensis** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 360 (*Ablabesmyia* (*Karelia*)). Type-locality: [U.S.A.] “Alaska — Eklutna Hwy., Matanuska”. — Distr.: **NE**: U.S.A. (Alaska).

**bianulata** PAGGI, 1988: *Revista de la Sociedad Entomológica Argentina* **44**: 329 (*Ablabesmyia* (*Karelia*)). Type-locality: {Argentina} “Villa El Chocón, Neuquén”. — Distr.: **NT**: Argentina.

**cinctipes** (JOHANNSEN, 1946): *Journal of the New York Entomological Society* **54**: 271 (*Pentaneura*). Type-locality: [U.S.A.] “Miami, Florida”. — Distr.: **NT**: Bahamas, Belize, Guatemala, Mexico (#), St. Vincent; **NE**: U.S.A. (Arizona, California, Florida, Georgia, Kentucky, Mississippi, Nevada, New Mexico, South Carolina).



**idei** (WALLEY, 1925): *Canadian Entomologist* **57**: 272 (*Tanypus*). Type-locality: {Canada} “Ottawa, Ont.” [= Ontario]. — Distr.: **NE**: Canada (Ontario), U.S.A. (New York, Pennsylvania, South Carolina).

**illinoensis** (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 376 (*Tanypus*). Type-locality: [U.S.A.] “Junction of Illinois and Spoon rivers at Havana”. — Distr.: **NE**: Canada (Alberta, Manitoba, \$Northwest Territories, Ontario, Québec, Saskatchewan), U.S.A. (Colorado, District of Columbia, Idaho, Illinois, Iowa, Kansas, Maine, Massachusetts, Michigan, Minnesota, New Hampshire, New Jersey, New Mexico, New York, North Carolina, South Dakota, Utah, Virginia, West Virginia, Wisconsin).

**kisanganiensis** LEHMANN, 1981: *Spixiana Supplement* **5**: 10 (*Ablabesmyia* (*Karelia*)). Type-locality: [Democratic Republic of the Congo] “Simisimi-Bach bei Kisangani, Zaire”. — Distr.: **AF**: D. R. Congo.

**melaleuca** GOETGHEBUER, 1935: *Revue de Zoologie et de Botanique Africaines* **27**: 360 (*Ablabesmyia*). Type-locality: “Uganda : Numasgali” [= Namasagali]. — Distr.: **AF**: Benin, Chad, Côte d’Ivoire, D. R. Congo, Ghana, Guinea, Nigeria, Senegal, Sierra Leone, Uganda.

**nilotica** (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 200 (*Tanypus*). Type-locality: “Soudan : Shambe” [Soudan = Sudan]. — Distr.: **PA**: Israel; **AF**: Benin, Cameroon, Chad, Congo, D. R. Congo, Ethiopia, Ghana, Malawi, Mali, Namibia, Nigeria, Sudan, Tanzania, Togo.

*tricolor* GOETGHEBUER, 1935: *Revue de Zoologie et de Botanique Africaines* **27**: 363 (*Ablabesmyia*). Type-locality: [Democratic Republic of the Congo] “P. N. A. : Vitshumbi” [P. N. A. = Parc National Albert].

? *congoensis* (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 198 (*Tanypus*). Type-locality: [Democratic Republic of the Congo] “Congo Belge : Go., District Nelle inférieur”. **Questionable synonym.**

? *kribiensis* (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 202 (*Tanypus*). Type-locality: “Cameroun : Kribi”. **Questionable synonym.**

- paivai** (KIEFFER, 1910): *Memoirs of the Indian Museum* **2**: 213 (*Isoplastus*). Type-localities: [India] “between Manihari and Manshahi, E. B. S. Ry., Bengal, on railway track”. — Distr.: **OR**: India (Bihar, Jharkhand, West Bengal).
- peleensis** (WALLEY, 1926): *Canadian Entomologist* **58**: 64 (*Tanypus*). Type-locality: {Canada} “Pt Pelee, Ont.” [= Ontario]. — Distr.: **NT**: ?Puerto Rico; **NE**: Canada (Alberta, Ontario), U.S.A. (Alaska, California, District of Columbia, Florida, Georgia, Illinois, Iowa, Michigan, New Jersey, New York, Pennsylvania, South Carolina, Virginia, Wisconsin).
- philosphagnos** BECK & BECK, 1966: *Bulletin of the Florida State Museum Biological Sciences* **10**: 330 (*Ablabesmyia*). Type-locality: [U.S.A.] “St. Johns County, Florida, roadside ditch”. — Distr.: **NE**: Canada (British Columbia, New Brunswick, Ontario), U.S.A. (Florida, Georgia, Mississippi, Pennsylvania).
- photophilus** (KIEFFER, 1911): *Records of the Indian Museum* **6**: 126 (*Isoplastus*). Type-locality: [India] “Katihar, Purneah district, N. Bengal”. — Distr.: **OR**: India (Bihar, Kerala, Tamil Nadu, West Bengal).
- pictipes** (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 194 (*Tanypus*). Type-locality: “Soudan : Shambe” [Soudan = Sudan]. — Distr.: **PA**: Egypt; **AF**: Burkina Faso, Benin, Chad, Congo, D. R. Congo, Guinea, Kenya, Mali, Niger, Nigeria, Senegal, Sudan, Togo.
- variiforceps* (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 195 (*Tanypus*). Type-locality: “Soudan : Shambe” [Soudan = Sudan].
- marginatus* (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 196 (*Tanypus*). Type-locality: “Soudan : entre Wad el Zaki et Shabasha Shary” [Soudan = Sudan].
- reductus* (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 196 (*Tanypus*). Type-locality: “Soudan : Shambe” [Soudan = Sudan].
- contracticornis* (KIEFFER, 1925): *Bulletin de la Société Royale Entomologique d'Égypte* **8** (1924): 311 (*Tanypus*). Type-locality: {Egypt} “Le Caire” [= Cairo].

**pulchripennis** (LUNDBECK, 1898): *Videnskabelige Meddelelser fra Dansk Naturhistorisk Forening i Kjøbenhavn* **5**: 293 (*Tanypus*). Type-locality: “Nordgrønland; Egedesminde”. — Distr.: **NE**: Canada (Alberta, British Columbia, Manitoba, \$Northwest Territories, Québec, Saskatchewan), Greenland, U.S.A. (Colorado, District of Columbia, Kansas, South Dakota, Washington, Wyoming).

*prudens* (WALLEY, 1925): *Canadian Entomologist* **57**: 275 (*Tanypus*). Type-locality: {Canada} “Delta, Man.” [= Manitoba].

sp.: ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 356 (*Ablabesmyia* (*Karelia*)). Locality: “Austria”. — Distr.: **PA**: Austria.

sp.: ROBACK & COFFMAN, 1989: *Proceedings of the Academy of Natural Sciences of Philadelphia* **141**: 103 (*Ablabesmyia* (*Karelia*)). Locality: {India, Tamil Nadu} “IN17” [= “1st order stream near golf course at Ootacamund”]. — Distr.: **OR**: India (Tamil Nadu).

#### Subgenus **SARTAIA** ROBACK

**SARTAIA** ROBACK, 1983: *Proceedings of the Academy of Natural Sciences of Philadelphia* **135**: 236. Type-species: *Ablabesmyia* (*Sartaia*) *metica* Roback, 1983, by original designation.

**metica** ROBACK, 1983: *Proceedings of the Academy of Natural Sciences of Philadelphia* **135**: 239 (*Ablabesmyia* (*Sartaia*)). Type-locality: “Laguna Mozambique, 16 km SW of Puerto Lopez, Dept. del Meta, Colombia”. — Distr.: **NT**: Brazil, Colombia.

#### Subgenerically unplaced species of **ABLABESMYIA**

**oliveirai** OLIVEIRA & FONSECA-GESSNER, 2006: *Revista Brasileira de Zoologia* **23**: 740 (*Ablabesmyia*). Type-locality: “Brazil, São Paulo State: Luís Antônio (Estação Ecológica de Jataí, Lagoa Piaba)”. — Distr.: **NT**: Brazil. [**Note**]

**reissi** PAGGI & AÑON SUAREZ, 2000: *Spixiana* **23**: 260 (*Ablabesmyia*). Type-locality: “Argentina, Rio Negro province, 30 km W. of San Carlos de Bariloche, Lago

Escondido”. — Distr.: **NT**: Argentina. [**Note**]

**Nomina dubia in ABLABESMYIA**

*aequidensi* ŞAHİN, 1987: *Türk Zooloji Dergisi* **11**: 180 (*Ablabesmyia*). Type-locality: {Turkey} “Tepeören d. (Kahta Çayı — Fırat N., 37°34'N ve 38°33'D, 450 m)” [= Tepeören Stream (Kahta Brook — Fırat River, 37°34'North and 38°33'East, 450 metres)]. [**Note**]

*africana* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 179 (*Tanypus* (*Tanypus*); as var. of *monilis* Linnaeus, 1758). Type-locality: Not given. [**Note**]

*basyurti* ŞAHİN, 1980: *Fırat Üniversitesi Veteriner Fakültesi dergisi* **5**: 181 (*Ablabesmyia*; as “*basyurti* nom. n. Şahin”). Locality: [Turkey] “Elazığ”. Name not made available – first published as a junior synonym of a valid name and not accompanied by a description contrary to Article 11.6 and Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. [**Note**]

*elazigi* ŞAHİN, 1980: *Fırat Üniversitesi Veteriner Fakültesi dergisi* **5**: 181 (*Ablabesmyia*; as “*elazigi* nom. n. Şahin”). Locality: [Turkey] “Elazığ”. Name not made available – first published as a junior synonym of a valid name and not accompanied by a description contrary to Article 11.6 and Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. [**Note**]

*lineolatus* (KIEFFER, 1921): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 108 (*Tanypus*; as var. of *monilis* Linnaeus, 1758). Type-locality: [Poland] “Silésie”. [**Note**]

*nigrocinctus* (DOLESCHALL, 1856): *Natuurkundig Tijdschrift voor Nederlandsch-Indië* **10**: 406 (*Tanypus*). Type-locality: [Indonesia] [Title] “Nederlandsch Indië”. **Comb. nov.** [**Note**]

*yalvaci* ŞAHİN, 1980: *Fırat Üniversitesi Veteriner Fakültesi dergisi* **5**: 181 (*Ablabesmyia*; as “*yalvaci* sp.n. Şahin”). Locality: [Turkey] “Elazığ”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

Genus **ALOTANYPUS** ROBACK

**ALOTANYPUS** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 95. Type-species: *Tanypus venustus* Coquillett, 1902, by original designation.

**aris** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 97 (*Alotanypus*). Type-locality: [U.S.A.] “North Carolina — . . . Highlands, Macon Co.”. — Distr.: **NE**: U.S.A. (Alabama, Florida, Georgia, New Hampshire, North Carolina, South Carolina, West Virginia).

**dalyupensis** (FREEMAN, 1961): *Australian Journal of Zoology* **9**: 624 (*Anatopynia*). Type-locality: {Australia} “Dalyup River Springs, W.A.” [= Western Australia]. — Distr.: **AU**: Australia (South Australia, Western Australia).

**kuroberobustus** (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 65 (*Zavrelimyia*). Type-locality: [Japan] “Kareisawa, a downstream site of Kuroba River” [error = Kurobe]. — Distr.: **PA**: Japan.

**venustus** (COQUILLET, 1902): *Proceedings of the United States National Museum* **25**: 91 (*Tanypus*). Type-locality: [U.S.A.] “Las Vegas Hot Springs, New Mexico”. — Distr.: **NT**: Costa Rica, Guatemala; **NE**: U.S.A. (Arizona, California, New Mexico, Utah, Washington, Wyoming); **PA**: ?Japan.

sp. 1: DONATO, MASSAFERRO & BROOKS, 2008: *Revista de la Sociedad Entomologica Argentina* **67**: 165 (*Alotanypus*). Locality: “Nahuel Huapi National Park, Patagonia, Argentina”. — Distr.: **NT**: Argentina.

Genus **AMNIHAYESOMYIA** NIITSUMA

**AMNIHAYESOMYIA** NIITSUMA, 2007: *Japanese Journal of Systematic Entomology* **13**: 110. Type-species: *Amnihayesomyia ikawensis* Niitsuma, 2007, by original designation.

**ikawensis** NIITSUMA, 2007: *Japanese Journal of Systematic Entomology* **13**: 111 (*Amnihayesomyia*). Type-locality: {Japan} “a fontal stream in the Dainichi

Pass, Ikawa, Shizuoka City, Shizuoka Prefecture”. — Distr.: **PA**: Japan.

Genus **ANATOPYNIA** JOHANNSEN

**ANATOPYNIA** JOHANNSEN, 1905: *Bulletin of the New York State Museum* **86**: 135.

Type-species: *Tanypus plumipes* Fries, 1823, by original designation.

**plumipes** (FRIES, 1823): *Monographia Tanyporum Sveciæ*: 9 (*Tanypus*). Type-locality: [Sweden] “ad Lundam Scaniae” [= near Lund in Scåne Province]. — Distr.: **PA**: Albania, Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, Germany, Hungary, Ireland, Kaliningrad, Lithuania, Macedonia, Netherlands, Norway, Poland, Romania, Russia (CET, NET, SET, East Siberia, Far East), Spain, Sweden.

Genus **APSECTROTANYPUS** FITTKAU

**APSECTROTANYPUS** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 141. Type-species: *Tanypus trifascipennis* Zetterstedt, 1838, by original designation.

**johnsoni** (COQUILLET, 1901): *Proceedings of the United States National Museum* **23**: 609 (*Tanypus*). Type-locality: [U.S.A.] “Riverton, New Jersey”. — Distr.: **NE**: Canada (Québec, Saskatchewan), U.S.A. (Florida, Georgia, Michigan, New Hampshire, New Jersey, North Carolina, Ohio, ?South Carolina, Tennessee).

**maculosus** (FREEMAN, 1961): *Australian Journal of Zoology* **9**: 622 (*Anatopynia*). Type-locality: {Australia} “Lake Margaret, Tas.” [= Tasmania]. — Distr.: **AU**: Australia (New South Wales, Tasmania, Victoria).

**mastersi** (SKUSE, 1889): *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 278 (*Tanypus*; as “*Mastersi*”). Type-locality: {Australia} “Lawson, Blue Mountains”. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales). [**Note**]

*masteri*: incorrect subsequent spelling.

**pallipes** (FREEMAN, 1961): *Australian Journal of Zoology* **9**: 622 (*Anatopynia*). Type-

locality: {Australia} “Geeveston, Tas.” [= Tasmania]. — Distr.: **AU**: Australia (New South Wales, Tasmania). [**Note**]

**trifascipennis** (ZETTERSTEDT, 1838): *Insecta Lapponica* [Heft 3]: 819 (*Tanypus*). Type-locality: [Sweden] “in Lapponia Umense . . . ad Tresunda prope Wilhelmina”. — Distr.: **PA**: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, ?Japan, Luxembourg, Macedonia, Madeira, Moldova, Netherlands, Norway, Poland, Romania, Russia (CET, NET, West Siberia), Slovakia, Spain, Sweden, Turkey.

*longicalcar* (KIEFFER, 1909): *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 42 (*Psectrotanypus*; as “*Longicalcar*”). Type-locality: {Germany} “Gotha”.

*sordiicola* (KIEFFER, 1911): *Bulletin de la Société d'Histoire Naturelle de Metz* **27**: 10 (*Psectrotanypus*; as var. of *longicalcar* Kieffer, 1909). Type-locality: [Introduction] “d'Allemagne” [= Germany].

*rhomboideus* (MUELLER, 1923): *Verhandlungen der Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **73** [Preprint]: 104 (*Psectrotanypus*; as var. of *longicalcar* Kieffer, 1909). Type-locality: Not given. Senior primary homonym of *Psectrotanypus rhomboideus* Mueller, 1924. [**Note**]

*rhomboideus* (MUELLER, 1924): *Verhandlungen der Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **73**: 104 (*Psectrotanypus*; as var. of *longicalcar* Kieffer, 1909). Type-locality: Not given. **Preoccupied**. Junior primary homonym of *Psectrotanypus rhomboideus* Mueller, 1923.

**unicolor** (FREEMAN, 1954): *Proceedings of the Royal Entomological Society (B)* **23**: 172 (*Anatopynia*). Type-locality: [South Africa] “Berg River, Assegaibos Waterfall”. — Distr.: **AF**: South Africa.

**yoshimurai** (TOKUNAGA, 1937): *Philippine Journal of Science* **62**: 38 (*Anatopynia*). Type-locality: “Honshu, Japan . . . Uzumasa, Kyoto”. — Distr.: **PA**: Japan.

sp.: (ROBACK & COFFMAN, 1987): *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**: 93 (*Macropelopia* (*Apsectrotanypus*)). Locality: {Nepal} “NP69” [= “Small Tributary of Marsyandi, nr. Manang, . . . alt. 3392 m.”]. —

Distr.: **OR**: Nepal.

sp.: WATSON & HEYN, 1993: *Netherlands Journal of Aquatic Ecology* **26**: 259 (*Apsectrotanypus*). Locality: “Costa Rica . . . A 980 m” [= Alajuela Province 980 metres]. — Distr.: **NT**: Costa Rica.

sp.: SPIES & REISS, 1996: *Spixiana Supplement* **22**: 85 (*Apsectrotanypus*). Locality: “Argentina”. — Distr.: **NT**: Argentina.

sp.: RUIZ-MORENO, OSPINA-TORRES, GÓMEZ-SIERRA & RISS, 2000: *Caldasia* **22**(1): 41 (*Apsectrotanypus*). Locality: {Colombia} “en las aguas corrientes de la sabana de Bogotá y sus montañas circundantes” [= in streams of the Sabana de Bogotá and surrounding mountains]. — Distr.: **NT**: Colombia.

sp.: DONATO, MASSAFERRO & BROOKS, 2008: *Revista de la Sociedad Entomologica Argentina* **67**: 165 (*Apsectrotanypus*). Locality: “Nahuel Huapi National Park, Patagonia, Argentina”. — Distr.: **NT**: Argentina.

#### Genus **ARCTOPELOPIA** FITTKAU

**ARCTOPELOPIA** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 194. Type-species: *Tanypus barbitarsis* Zetterstedt, 1850, by original designation.

**barbitarsis** (ZETTERSTEDT, 1850): *Diptera Scandinaviae disposita et discripta* **9**: 3607 (*Tanypus*). Type-localities: [Sweden] “ad diversorium Lund juxta radicem alpis Åreskutan . . . ad Skalstugan”; “Norwegia ad Suul & in alpi Kälähög”; [Germany] “ad Eldena prope Gryphiam” [= at Eldena near Greifswald]. — Distr.: **PA**: Austria, Belgium, Finland, France, Germany, Great Britain, Iceland, Ireland, Moldova, Netherlands, Norway, Spitzbergen, Sweden, Switzerland, Turkey. [**Note**]

*expalpans* (WALKER, 1856): *Insecta Britannica, Diptera* **3**: 181 (*Chironomus*). Type-locality: “(E.)” [= England].

*nigroscutellata* (GOETGHEBUER, 1923): *Annales de Biologie Lacustre* **12**: 107 (*Tanypus*). Type-locality: {Belgique} “Postel”.

? *sordidus* (ZETTERSTEDT, 1838): *Insecta Lapponica* [Heft 3]: 818 (*Tanypus*).



Type-locality: [Sweden] “in Lapponia Tornensi . . . ad lacum insignem Torneträsk in regione subalpina”. **Questionable synonym.**

**cana** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 253 (*Arctopelopia* (*Arctopelopia*)). Type-locality: “Canada — Northwest Territories — Spence Bay” [Spence Bay is now in Nunavut]. — Distr.: **NE**: Canada (Nunavut).

**griseipennis** (WULP, 1859): *Tijdschrift voor Entomologie* **2**: 170 (*Tanypus*). Type-locality: [Netherlands] “te 's Gravenhage”. — Distr.: **PA**: Austria, Denmark, Faroe Islands, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Netherlands, Norway, Russia (CET, NET), Sweden, Switzerland, Syria. Senior primary homonym of *Tanypus griseipennis* Kieffer, 1917. [**Note**]

*sexannulata* (GOETGHEBUER, 1934): *Bulletin et Annales de la Société Entomologique de Belgique* **74**: 88 (*Ablabesmyia*). Type-locality: [Germany] {environs de Garmisch-Partenkirchen (Haute-Bavière)} “dans un lac (Badersee)”.

? *murinus* (GOETGHEBUER, 1923): *Annales de Biologie Lacustre* **12**: 109 (*Tanypus*). Type-locality: {Belgique} “Postel”. **Questionable synonym.**

**melanosoma** (GOETGHEBUER, 1933): *Skrifter om Svalbard og Ishavet* **53**: 20 (*Ablabesmyia*). Type-locality: “près d'une eau douce au Loch Fine (Groenland orient.)” [= East Greenland]. — Distr.: **NE**: Greenland; **PA**: Austria, Bear Island, Denmark, Faroe Islands, Finland, Germany, Great Britain, Norway, Sweden.

#### Genus **AUSTRALOPELOPIA** CRANSTON

**AUSTRALOPELOPIA** CRANSTON, 2000: *Memoirs of the Queensland Museum* **46**: 116.

Type-species: *Australopelopia prionopectera* Cranston, 2000, by original designation.

**prionopectera** CRANSTON, 2000: *Memoirs of the Queensland Museum* **46**: 118 (*Australopelopia*). Type-locality: {Australia} “Queensland: Paluma, Birthday Ck”. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales,

Queensland, Tasmania, Victoria, Western Australia).

sp. 1: HAASE & NOLTE, 2008: *Ecological Indicators* **8**: 607 (*Australopelopia*). Locality: [Title] “streams in southeast Queensland, Australia”. — Distr.: **AU**: Australia (Queensland).

Genus **BETHBILBECKIA** FITTKAU & MURRAY

**BETHBILBECKIA** FITTKAU & MURRAY, 1988: *Spixiana Supplement* **14**: 253. Type-species: *Bethbilbeckia floridensis* Fittkau & Murray, 1988, by original designation.

**floridensis** FITTKAU & MURRAY, 1988: *Spixiana Supplement* **14**: 254 (*Bethbilbeckia*). Type-locality: {U.S.A.} “Peter’s Creek, Clay County, Florida”. — Distr.: **NE**: U.S.A. (Florida, Georgia, Ohio, South Carolina, Virginia).

sp.: MURRAY & FITTKAU, 1989: *Entomologica Scandinavica Supplement* **34**: 47 (*Bethbilbeckia*). Locality: “Neotropical region”. — Distr.: **NT**: Country not specified.

Genus **BILYJOMYIA** NIITSUMA & WATSON

**BILYJOMYIA** NIITSUMA & WATSON, 2009: *Zootaxa* **2166**: 58. Type-species: *Tanypus algens* Coquillett, 1902, by original designation.

**algens** (COQUILLET, 1902): *Proceedings of the United States National Museum* **25**: 90 (*Tanypus*). Type-locality: [U.S.A.] “Popof Island, Alaska”. — Distr.: **NE**: Canada (Alberta), U.S.A. (Alaska, California, Colorado, Montana, Oregon, Washington).

**fontana** NIITSUMA & WATSON, 2009: *Zootaxa* **2166**: 58 (*Bilyjomyia*). Type-locality: “Japan: Fukushima Prefecture, Iwaki City, spring in Yaguki”. — Distr.: **PA**: Japan.

Genus **BRUNDINIELLA** ROBACK

**BRUNDINIELLA** ROBACK, 1978: *Entomological News* **89**: 141 (as new name for *Brundinia* Roback, 1978 nec Tottenham, 1949). Type-species: *Anatopynia*

(*Psectrotanypus eumorpha* Sublette, 1964, by original designation.

**BRUNDINIA** ROBACK, 1978: *Proceedings of the Academy of Natural Sciences of Philadelphia* **129**: 168. Type-species: *Anatopynia (Psectrotanypus) eumorpha* Sublette, 1964, by original designation. **Preoccupied**. Junior homonym of *Brundinia* Tottenham, 1949.

**eumorpha** (SUBLETTE, 1964): *Proceedings of the United States National Museum* **115**: 107 (*Anatopynia (Psectrotanypus)*). Type-locality: [U.S.A.] {California} “Berkeley, Strawberry Canyon”. — Distr.: **NE**: Canada (Ontario), U.S.A. (California, Georgia, Michigan, New Jersey, New York, North Carolina, Oregon, Pennsylvania, South Carolina, Tennessee, Utah, Washington, West Virginia).

**yagukiensis** NIITSUMA, 2003: *Species Diversity* **8**: 294 (*Brundiniella*). Type-locality: “frontal stream in Yaguki, Iwaki City, Fukushima Prefecture . . . Japan”. — Distr.: **PA**: Japan.

sp.: TRIVINHO-STRIXINO & STRIXINO, 1995: *Larvas de Chironomidae (Diptera) do Estado de São Paulo*: 21 (*Brundiniella*). Locality: {Brazil} [Title] “Estado de São Paulo”. — Distr.: **NT**: Brazil.

#### Genus **CANTOPELOPIA** ROBACK

**CANTOPELOPIA** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 270. Type-species: *Cantopelopia gesta* Roback, 1971, by original designation.

**gesta** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 270 (*Cantopelopia*). Type-locality: [Canada] “Quebec — Meach Lake”. — Distr.: **NE**: Canada (Québec), U.S.A. (Florida, Georgia, Illinois, New York, Ohio).

**meilloni** (FREEMAN, 1955): *Bulletin of the British Museum (Natural History) Entomology* **4**: 31 (*Pentaneura*). Type-locality: [South Africa] “Transvaal, Johannesburg”. — Distr.: **AF**: Benin, D. R. Congo, Niger, Senegal, South Africa, Zimbabwe.

[Note]

*hirsuta* (FREEMAN, 1955): *Bulletin of the British Museum (Natural History)* Entomology **4**: 31 (*Pentaneura*). Type-locality: [South Africa] “Natal, Eshowe, Shaw’s Drift”.

**robacki** LEHMANN, 1979: *Spixiana Supplement 3*: 14 (*Cantopelopia*). Type-locality: [Democratic Republic of the Congo] “Kalengo, Kivu-Gebiet, Zaire”. — Distr.: **AF**: D. R. Congo.

Genus **CHRYSOPELOPIA** HARRISON

**CHRYSOPELOPIA** HARRISON, 1978: *Journal of the Entomological Society of Southern Africa* **41**: 75. Type-species: *Chrysopelopia corusca* Harrison, 1978, by original designation.

**corusca** HARRISON, 1978: *Journal of the Entomological Society of Southern Africa* **41**: 75 (*Chrysopelopia*). Type-locality: [Zimbabwe] “Munwahuku Stream, Chindomora, near Salisbury, RHODESIA”. — Distr.: **AF**: Zimbabwe.

Genus **CLINOTANYPUS** KIEFFER, 1913

**CLINOTANYPUS** KIEFFER, 1913: *Records of the Indian Museum* **9**: 157. Type-species: *Procladius fuscusignatus* Kieffer, 1910, by subsequent designation of Sublette & Sublette (1965: *United States Department of Agriculture Handbook* **276**: 145).

**APONTEUS** ROBACK, 1971: see below as subgenus.

**CLINOTANYPUS** KIEFFER, 1913: see below as subgenus.

Subgenus **APONTEUS** ROBACK

**APONTEUS** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 25. Type-species: *Clinotanypus sabensis* Roback, 1971, by original designation.

**sabensis** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 25 (*Clinotanypus (Aponteus)*). Type-locality: [U.S.A.] “San Saba R[iver], W[est] of Menard, Texas”. — Distr.: **NE**: U.S.A. (Texas). [**Note**]

Subgenus **CLINOTANYPUS** KIEFFER

- aterrimus** (KIEFFER, 1910): *Memoirs of the Indian Museum* **2**: 219 (*Procladius*; as var. of *fuscosignatus* Kieffer, 1910). Type-locality: [India] “Côte d’Orissa: Puri”. — Distr.: **OR**: India (Orissa).
- atratus** (KIEFFER, 1910): *Memoirs of the Indian Museum* **2**: 219 (*Procladius*). Type-locality: [Bangladesh] “Sylhet, Assam”. — Distr.: **OR**: Bangladesh. [**Note**]
- atromarginatus** EDWARDS, 1929: *Notulae Entomologicae* **9**: 6 (*Clinotanypus*). Type-locality: {Philippines} “Luzon: Manila”. — Distr.: **OR**: Philippines.
- aureus** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 25 (*Clinotanypus* (*Clinotanypus*)). Type-locality: [U.S.A.] “Mound, Louisiana”. — Distr.: **NE**: U.S.A. (Florida, Kansas, Louisiana).
- brasiliensis** OLIVEIRA, 1953: *Revista Brasileira de Entomologia* **13**: 279 (*Clinotanypus*). Type-locality: [Brazil] “Fazenda Penedo, Itatiaia, Estado do Rio de Janeiro”. — Distr.: **NT**: Brazil.
- ceylanicus** KIEFFER, 1926: *Entomologische Mitteilungen* **15**: 105 (*Clinotanypus*). Type-locality: [Sri Lanka] “Ceylon: Kanthalaz”. — Distr.: **OR**: Sri Lanka.
- claripennis** KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 63 (*Clinotanypus*). Type-locality: “Egypte: Ismaïlia”. — Distr.: **PA**: Egypt, Israel; **AF**: Benin, Cameroon, Chad, D. R. Congo, Ethiopia, Madagascar, Malawi, Niger, Nigeria, Senegal, South Africa, Sudan, Togo. Senior homonym of *Clinotanypus claripennis* Kieffer, 1922.
- claripennis* KIEFFER, 1922: *Bulletin de la Société Entomologique d’Égypte* **6**: 77 (*Clinotanypus*). Type-locality: “Egypte : Ismaïlia”. **Preoccupied**. Junior homonym of *Clinotanypus claripennis* Kieffer, 1918.
- niligena* KIEFFER, 1923: *Annales de la Société Entomologique de France* **92**: 186 (*Clinotanypus*). Type-locality: “Soudan : Shambe” [Soudan = Sudan].
- nigripalpis* GOETGHEBUER, 1935: *Revue de Zoologie et de Botanique Africaines* **27**: 351 (*Clinotanypus*). Type-locality: [Democratic Republic of the Congo] “P. N. A. : Vitshumbi” [P. N. A. = Parc National Albert].

- nigrovittatus* GOETGHEBUER, 1935: *Revue de Zoologie et de Botanique Africaines* **27**: 352 (*Clinotanypus*). Type-locality: [Democratic Republic of the Congo] “P. N. A. : Vitshumbi” [P. N. A. = Parc National Albert].
- crux** (WIEDEMANN, 1824): *Analecta Entomologica*: 10 (*Tanypus*). Type-locality: [Indonesia] “India or.” [= Dutch East Indies]. — Distr.: **OR**: India (Assam, Orissa), Indonesia (Java, Sumatra), Malaysia, Thailand; **AU**: Australia (New South Wales, Northern Territory, Queensland). [**Note**]
- pardalis* (DOLESCHALL, 1856): *Natuurkundig Tijdschrift voor Nederlandsch-Indië* **10**: 405 (*Tanypus*). Type-locality: [Indonesia, Java] {Nederlandsch Indië} “In domiciliis (Ambarawa)”. [**Note**]
- paradalis*: incorrect subsequent spelling.
- ornatus* (DOLESCHALL, 1857): *Natuurkundig Tijdschrift voor Nederlandsch-Indië* **14**: 385 (*Tanypus*). Type-locality: [Indonesia, Java] {Nederlandsch Indië} “Gombong (Midden-Java)”.
- australiensis* KIEFFER, 1926: *Entomologische Mitteilungen* **15**: 104 (*Clinotanypus*). Type-locality: “Australien: Palmerston”.
- decempunctatus** TOKUNAGA, 1937: *Philippine Journal of Science* **62**: 23 (*Clinotanypus*). Type-locality: “Honshu, Japan . . . Shimogamo, Kyoto”. — Distr.: **PA**: Japan, Russia (Far East); **OR**: China (Zhejiang).
- dismegasetus** CHENG & WANG, 2008: *Zootaxa* **1944**: 55 (*Clinotanypus*). Type-locality: “CHINA: Guizhou Province, Luodian County”. — Distr.: **OR**: China (Guizhou).
- flavidus** (KIEFFER, 1910): *Memoirs of the Indian Museum* **2**: 219 (*Procladius*; as var. of *fuscusignatus* Kieffer, 1910). Type-locality: [India] “Bengale, entre Bolpore et Rampore, . . . dans un carrosse”. — Distr.: **OR**: India (West Bengal). Senior homonym of *Procladius flavidus* Kieffer, 1923.
- formosae** KIEFFER, 1916: *Annales Historico-Naturales Musei Nationalis Hungarici* **14**: 99 (*Clinotanypus*). Type-locality: [Taiwan] {Formosa} “Takao”. — Distr.: **OR**: Taiwan.

- fumipennis** (KIEFFER, 1910): *Memoirs of the Indian Museum* **2**: 217 (*Procladius*). Type-localities: [India] “Calcutta”; “Côte d’Orissa: Puri”. — Distr.: **OR**: India (Orissa, West Bengal).
- fuscognatus** (KIEFFER, 1910): *Memoirs of the Indian Museum* **2**: 218 (*Procladius*). Type-localities: [India] “Calcutta, Jardin Zoologique”; [Bangladesh] “Sylhet, Assam”; [India] “Purneah, Bengale” [Purneah = Purnea]. — Distr.: **OR**: Bangladesh, India (Bihar, West Bengal).
- guamensis** TOKUNAGA, 1964: *Insects of Micronesia* **12**: 492 (*Clinotanypus*). Type-locality: “Guam”. — Distr.: **OC**: Guam.
- immaculatus** KIEFFER, 1916: *Annales Historico-Naturales Musei Nationalis Hungarici* **14**: 99 (*Clinotanypus*). Type-locality: [Taiwan] {Formosa} “Tainan”. — Distr.: **PA**: Russia (Far East); **OR**: Taiwan.
- japonicus** TOKUNAGA, 1937: *Philippine Journal of Science* **62**: 25 (*Clinotanypus*). Type-locality: “Honshu, Japan . . . Kinugasa, Kyoto”. — Distr.: **PA**: Japan, Russia (Far East).
- jenkinsi** KIEFFER, 1913: *Records of the Indian Museum* **9**: 157 (*Clinotanypus*; as var. of *fuscognatus* Kieffer, 1910). Type-localities: [India] “Calcutta”; “Bosondhur, Khulna District, Ganges Delta, on board launch”; “Balighai, near Puri, Orissa Coast”; “Shasthancottah, 12 miles N.N.E. of Quilon, Travancore”. — Distr.: **OR**: Bangladesh, India (Kerala, Orissa, West Bengal).
- lacteus** FREEMAN, 1955: *Bulletin of the British Museum (Natural History) Entomology* **4**: 54 (*Clinotanypus*). Type-locality: [Rwanda & Burundi] “Belgian Congo, Ruanda Urundi”. — Distr.: **AF**: Burkina Faso, Burundi, D. R. Congo, Nigeria, Rwanda.
- lampronotus** KIEFFER, 1916: *Annales Historico-Naturales Musei Nationalis Hungarici* **14**: 100 (*Clinotanypus*). Type-locality: [Taiwan] {Formosa} “Takao, à une hauteur de 300 m.”. — Distr.: **OR**: Taiwan.
- maculatus** FREEMAN, 1955: *Exploration du Parc National de l’Upemba Mission G. F. de Witte* **35**: 96 (*Clinotanypus*). Type-locality: [Democratic Republic of the

Congo] “Mabwe (lac Upemba)”. — Distr.: **AF**: Benin, Chad, D. R. Congo, Ghana, Nigeria, Zimbabwe.

**marginatus** CHENG & WANG, 2008: *Zootaxa* **1944**: 57 (*Clinotanypus*). Type-locality: “CHINA: Jiangxi Province, Nanchang County, Poyang Lake”. — Distr.: **OR**: China (Jiangxi).

**microtrichos** YAN & YE, 1977: *Acta Entomologica Sinica* **20**: 191 (*Clinotanypus*). Type-locality: {China, Bai-Yang-Dian Lake} “Sin-An, Hopei Province” [= Hebei Province]. — Distr: **PA**: China (Hebei); **OR**: China (Guizhou, Yunnan).

**nervosus** (MEIGEN, 1818): *Systematische Beschreibung* **1**: 64 (*Tanypus*). Type-locality: [Title] “europäischen” [= European]. — Distr.: **PA**: Albania, Belgium, Bulgaria, China (Liaoning), Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Lithuania, Moldova, Netherlands, Norway, Poland, Romania, Russia (CET, NET, SET, East Siberia), Slovakia, Sweden, Switzerland, Ukraine, ¶Yugoslavia.

*nigrimanus* (MEIGEN, 1830): *Systematische Beschreibung* **6**: 261 (*Tanypus*). Type-locality: [Title] “europäischen” [= European].

*ater* (MACQUART, 1834): *Histoire naturelle des insectes. Diptères* **1**: 63 (*Tanypus*). Type-locality: [France] “Des environs de Bordeaux”.

? *fasciculatus* (FABRICIUS, 1781): *Species insectorvm* Tome II: 406 (*Tipula*). Type-locality: “Habitat in Germania”. **Questionable synonym.** [Note]

**novempunctatus** (KIEFFER, 1910): *Memoirs of the Indian Museum* **2**: 219 (*Procladius*). Type-localities: [India] “Calcutta”; “Alipore: Jardin Zoologique”; “Belgale: Rajmahal, . . . et entre Bolpore et Rampore, . . . , dans un carrosse”; “Bettiah, Champaran, Bengale”; [Myanmar] “Mandalay, U. Burma”. — Distr.: **OR**: India (Bihar, West Bengal), Myanmar.

**obscuripes** (MEIJERE, 1913): *Tijdschrift voor Entomologie* **56**: 336 (*Procladius*). Type-locality: [Indonesia] {Java} “Semarang”. — Distr.: **OR**: Indonesia (Java).

**ornatissimus** (KIEFFER, 1910): *Memoirs of the Indian Museum* **2**: 216 (*Procladius*). Type-localities: [Myanmar] “U. Burma : Mandalay”; [India, Bihar] “N. Bengal:



Purneah" [= Purnea]. — Distr.: **OR**: Bangladesh, India (Bihar, Kerala, West Bengal), Myanmar, Sri Lanka.

**paivai** (KIEFFER, 1910): *Memoirs of the Indian Museum* **2**: 218 (*Procladius*). Type-locality: [India] "Côte d'Orissa: Puri". — Distr.: **OR**: India (Bihar, Orissa), ?Philippines (Luzon).

**philippinensis** (KIEFFER, 1921): *Philippine Journal of Science* **18**: 573 (*Procladius*). Type-locality: "Philippines, Luzon, Laguna, Los Baños". — Distr.: **OR**: Philippines (Luzon).

**pictidorsum** KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 269 (*Clinotanypus*). Type-locality: [Indonesia] "en Buitenzorg, Java" [Buitenzorg = Bogor]. — Distr.: **OR**: Indonesia (Java).

**pinguis** (LOEW, 1861): *Berliner Entomologische Zeitschrift* **5**: 308 (*Tanypus*). Type-locality: [U.S.A.] "New York". — Distr.: **NE**: Canada (Manitoba, Ontario), U.S.A. (California, Connecticut, District of Columbia, Florida, Georgia, Illinois, Iowa, Massachusetts, Michigan, Minnesota, North Carolina, New Jersey, New York, Pennsylvania, Virginia, Washington); **PA**: Romania, Russia (CET), Turkey.

*flavicinctus* (LOEW, 1861): *Berliner Entomologische Zeitschrift* **5**: 309 (*Tanypus*). Type-locality: [U.S.A.] "Pennsylvania".

*thoracicus* (LOEW, 1866): *Berliner Entomologische Zeitschrift* **10**: 4 (*Tanypus*). Type-locality: [U.S.A.] "Washington" [=City of Washington, District of Columbia].

*caliginosus* (JOHANNSEN, 1905): *Bulletin of the New York State Museum* **86**: 131 (*Procladius*). Type-locality: [U.S.A.] "Ithaca, N. Y." [= New York].

**planus** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 24 (*Clinotanypus* (*Clinotanypus*)). Type-locality: [U.S.A.] "Florida — Myarka St. Park". — Distr.: **NE**: U.S.A. (Florida).

**quadriannulatus** GOETGHEBUER, 1933: *Bulletin et Annales de la Société Entomologique de Belgique* **73**: 114 (*Clinotanypus*). Type-locality: [Russia] {région de l'Ussouri, dans la Sibérie méridionale et orientale} "Rjabovonj, lac Chanka". —

Distr. **PA**: Russia (Far East). [**Note**]

**rugosus** FREEMAN, 1955: *Bulletin of the British Museum (Natural History)* Entomology **4**: 55 (*Clinotanypus*). Type-locality: “Sierra Leone, Njala”. — Distr.: **AF**: Benin, Burkina Faso, Chad, Côte d’Ivoire, Guinea, Nigeria, Senegal, Sierra Leone, Sudan, Togo.

**sallesi** OLIVEIRA, 1953: *Revista Brasileira de Entomologia* **13**: 276 (*Clinotanypus*). Type-locality: “Granja Santa Rosa, Município de Dom Pedrito, Estado do Rio Grande do Sul, Brasil”. — Distr.: **NT**: Brazil.

**sugiyamai** TOKUNAGA, 1937: *Philippine Journal of Science* **62**: 26 (*Clinotanypus*). Type-locality: “Honshu, Japan . . . Uzumasa, Kyoto”. — Distr.: **PA**: Japan, Russia (Far East); **OR**: China (Hubei), Japan (Ryukyu Archipelago).

**tuberosus** CHENG & WANG, 2008: *Zootaxa* **1944**: 59 (*Clinotanypus*). Type-locality: “CHINA: Hainan Province, Changjiang County, Bawangling Nature Conservation Area”. — Distr.: **OR**: China (Hainan).

**variegatus** KIEFFER, 1926: *Entomologische Mitteilungen* **15**: 105 (*Clinotanypus*). Type-locality: [Sri Lanka] “Ceylon: Matale”. — Distr.: **OR**: Philippines, Sri Lanka.

**verbekei** FREEMAN, 1956: *Bulletin of the British Museum (Natural History)* Entomology **4**: 290 (*Clinotanypus*). Type-locality: [Democratic Republic of the Congo] “Belgian Congo: Albertville (Lac Tanganyika)” [Albertville = Kalemie]. — Distr.: **AF**: D. R. Congo.

**vomerus** CHAUDHURI & DEBNATH, 1984: *Burdwan University Journal of Science* **1**: 1 (*Clinotanypus* (*Clinotanypus*)). Type-locality: {India, West Bengal} “Raniganj”. — Distr.: **OR**: India (West Bengal).

**vulgaris** KIEFFER, 1913: *Records of the Indian Museum* **9**: 157 (*Clinotanypus*; as var. of *fuscusignatus* Kieffer, 1910). Type-localities: [India] “Madhupur, Bengal”; “Calcutta”; “Balighai, near Puri, Orissa”; “Kankondigee, 24 Perghs., Sunderbunds, at light on board launch”; “on board ship, 10 miles off Masulipatam, Madras Coast”; “Tinpahar, near Rajmahal, Bengal”; “Bhogaon, Purneah District, N. Bengal”; “Bosondhur, Khulna District, Ganges Delta, on

board launch”. — Distr.: **OR**: Bangladesh, India (Andhra Pradesh, Bihar, Orissa, Tamil Nadu, West Bengal).

**wirthi** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 24 (*Clinotanypus* (*Clinotanypus*)). Type-locality: [U.S.A.] “Florida — Sebring”. — Distr.: **NE**: U.S.A. (Florida).

**yani** CHENG & WANG, 2008: *Zootaxa* **1944**: 62 (*Clinotanypus*). Type-locality: “CHINA: Jiangxi Province, Nanchang County, Poyang Lake”. — Distr.: **OR**: China (Jiangxi).

sp. 1: HAASE & NOLTE, 2008: *Ecological Indicators* **8**: 607 (*Clinotanypus*). Locality: [Title] “streams in southeast Queensland, Australia”. — Distr.: **AU**: Australia (Queensland).

#### Genus **COELOPYNIA** FREEMAN

**COELOPYNIA** FREEMAN, 1961: *Australian Journal of Zoology* **9**: 626. Type species: *Coleopynia pruinosa* Freeman, 1961, by original designation.

**pruinosa** FREEMAN, 1961: *Australian Journal of Zoology* **9**: 626 (*Coleopynia*). Type-locality: {Australia} “Linga, Vic.” [= Victoria]. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Northern Territory, Queensland, South Australia, Tasmania, Victoria, Western Australia).

#### Genus **COELOTANYPUS** KIEFFER

**COELOTANYPUS** KIEFFER, 1913: *Records of the Indian Museum* **9**: 154. Type-species: *Tanypus humeralis* Loew, 1866, by original designation.

**africanus** FREEMAN, 1955: *Bulletin of the British Museum (Natural History)* Entomology **4**: 51 (*Coelotanypus*). Type-locality: “Sierra Leone, Batkanu”. — Distr.: **AF**: Cameroon, Nigeria, Sierra Leone.

**amoenis** ROBACK, 1963: *Entomological News* **74**: 172 (*Coelotanypus*). Type-locality: “Manãos, Brazil”. — Distr.: **NT**: Brazil.

**atus** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**:

37 (*Coelotanypus*). Type-locality: [U.S.A.] “Harlingen, Texas”. — Distr.: **NT**: Mexico (#), Puerto Rico; **NE**: U.S.A. (Kansas, Louisiana, Texas).

**cletis** ROBACK, 1963: *Entomological News* **74**: 174 (*Coelotanypus*). Type-locality: “Monteague, Jamaica”. — Distr.: **NT**: Cuba, Jamaica.

*cletic*: incorrect subsequent spelling.

**concinnus** (COQUILLET, 1895): *Proceedings of the Academy of Natural Sciences of Philadelphia* **1895**: 308 (*Tanypus*). Type-locality: [U.S.A.] “Tick Island, Florida”. — Distr.: **NT**: Costa Rica, Mexico (Sonora), Nicaragua, Puerto Rico; **NE**: U.S.A. (District of Columbia, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Louisiana, Maryland, Michigan, Mississippi, Missouri, Nebraska, New Mexico, Ohio, Pennsylvania, Tennessee, Texas, Virginia).

*flavus* KIEFFER, 1923: *Bulletin de la Société Entomologique de France* **1922**: 296 (*Coelotanypus*). Type-locality: [U.S.A.] “Dallas, Texas”.

**delpontei** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 318 (*Coelotanypus*). Type-locality: [Argentina] “San Isidro, Buenos Aires”. — Distr.: **NT**: Argentina.

**dimorphus** REMPEL, 1939: *Zoologischer Anzeiger* **127**: 215 (*Coelotanypus*). Type-locality: {“Nordostbrasilien”; “in der Nähe der Stadt Campina Grande, Staat Parabaya, sammelte”} “Simão”. — Distr.: **NT**: Brazil. Senior primary homonym of *Coelotanypus dimorphus* Lenz, 1939. [**Note**]

*dimorphus* LENZ, 1939: *Zoologischer Anzeiger* **127**: 180 (*Coelotanypus*; as “*dimorphus* Rempel”). Type-locality: “Nordostbrasilien”. **Preoccupied**. Junior primary homonym of *Coelotanypus dimorphus* Rempel, 1939. [**Note**]

**feris** ROBACK, 1963: *Entomological News* **74**: 169 (*Coelotanypus*). Type-locality: “Kwakoe Gron, Saramacca River, Surinam”. — Distr.: **NT**: Guyana, Surinam.

**humeralis** (LOEW, 1866): *Berliner Entomologische Zeitschrift* **10**: 3 (*Tanypus*). Type-locality: “Cuba”. — Distr.: **NT**: Cuba, Panama.

**insulanus** JOHANNSEN, 1938: *Journal of Agriculture of the University of Puerto Rico* **22**: 220 (*Coelotanypus*). Type-locality: “Yúnez River, Puerto Rico”. — Distr.: **NT**:

Puerto Rico.

*insulans*: incorrect subsequent spelling.

**lobensis** PAGGI, 1993: *Revista de la Sociedad Entomológica Argentina* **52**: 5 (*Coelotanypus*). Type-locality: “ARGENTINA. Buenos Aires: Laguna de Lobos”. — Distr.: **NT**: Argentina.

**naelis** ROBACK, 1963: *Entomological News* **74**: 170 (*Coelotanypus*). Type-locality: “Kwakoe Gron, Saramacca River, Surinam”. — Distr.: **NT**: Mexico (#), Panama, Surinam; **NE**: U.S.A. (Texas).

**olmecus** ROBACK, 1965: *Entomological News* **76**: 33 (*Coelotanypus*). Type-locality: [Mexico] “Lake Catemaco, Ver.” [= Veracruz]. — Distr.: **NT**: Mexico (Veracruz), Nicaragua.

**ringueleti** PAGGI, 1986: *Neotropica* **32**: 139 (*Coelotanypus*). Type-locality: “Lago Pellegrini, Rio Negro, Argentina”. — Distr.: **NT**: Argentina.

**ruficollis** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 318 (*Coelotanypus*). Type-locality: “near Monte Caseros, Corrientes, Argentina”. — Distr.: **NT**: Argentina.

*ruficollis*: incorrect subsequent spelling.

**scapularis** (LOEW, 1866): *Berliner Entomologische Zeitschrift* **10**: 2 (*Tanypus*). Type-locality: [U.S.A.] “Washington”. — Distr.: **NT**: ?Argentina, ?Bolivia, Mexico (#), Nicaragua, Panama, ?Venezuela; **NE**: Canada (Ontario, Québec), U.S.A. (Alabama, District of Columbia, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Louisiana, Maryland, Michigan, Missouri, Nebraska, New Jersey, New Mexico, Ohio, Pennsylvania, South Dakota, Tennessee, Texas, Virginia).

*scapularis*: incorrect subsequent spelling.

**tibialis** EDWARDS & LENZ in LENZ, 1939: *Zoologischer Anzeiger* **127**: 183 (*Coelotanypus*). Type-locality: [Brazil] “Colyfes”. — Distr.: **NT**: Brazil. [**Note**]

**toltecus** ROBACK, 1965: *Entomological News* **76**: 32 (*Coelotanypus*). Type-locality: [Mexico] “Lake Catemaco, Ver.” [= Veracruz]. — Distr.: **NT**: Mexico (Veracruz).

- tricolor** (LOEW, 1861): *Berliner Entomologische Zeitschrift* **5**: 309 (*Tanypus*). Type-locality: [U.S.A.] “New York”. — Distr.: **NT**: Costa Rica, Mexico (Veracruz); **NE**: U.S.A. (District of Columbia, Florida, Georgia, Illinois, Kansas, Louisiana, Maryland, Mississippi, Missouri, New York, New Mexico, North Carolina, South Carolina, Tennessee, Texas, Virginia).
- viridiventris** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 318 (*Coelotanypus*). Type-locality: “Rufino, Buenos Aires province, Argentina”. — Distr.: **NT**: Argentina.
- wirthi** FREEMAN, 1961: *Australian Journal of Zoology* **9**: 624 (*Coelotanypus*). Type-locality: {Australia} “Narrabeen Lagoon, N.S.W.” [= New South Wales]. — Distr.: **AU**: Australia (New South Wales).

#### Nomina dubia in COELOTANYPUS

- mendax* (LYNCH ARRIBÁLZAGA, 1893): *Boletin Academia Nacional de Ciencias Córdoba* **13**: 234 (*Tanypus*). Type-localities: “Arg. in Buenos Aires, Santa Fé et Insulis paranensibus” [Arg. = Argentina]. [Note]
- neotropicus* (KIEFFER, 1917): *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 339 (*Clinotanypus*). Type-locality: “Paraguay: San Bernadino”. [Note]

#### Genus COFFMANIA HAZRA & CHAUDHURI

- COFFMANIA** HAZRA & CHAUDHURI, 2000: *Annales de Limnologie* **36**: 170. Type-species: *Coffmania animispina* Hazra & Chaudhuri, 2000, by original designation.
- adiecta** HAZRA & CHAUDHURI, 2000: *Annales de Limnologie* **36**: 172 (*Coffmania*). Type-locality: “Sikkim, Jorethang”. — Distr.: **OR**: India (Sikkim).
- animispina** HAZRA & CHAUDHURI, 2000: *Annales de Limnologie* **36**: 172 (*Coffmania*). Type-locality: “Sikkim, Tadong”. — Distr.: **OR**: India (Sikkim, West Bengal).
- insignis** NIITSUMA, 2008: *Species Diversity* **13**: 125 (*Coffmania*). Type-locality: {Japan} “stream in Miyagase, Kiyokawa Village, Kanagawa Prefecture”. — Distr.: **PA**: Japan.

sp. 1: ASHE & O'CONNOR, 2009: *A World Catalogue of Chironomidae (Diptera)*, Part 1: 144 (*Coffmania*). Localities: “River Toraut and River Tumpah (and its tributary the Sungai Elok (or Waterfall Stream)), Bogani Nani Wartabone National Park, Northern Sulawesi, Indonesia”. — Distr.: **OR**: Indonesia (Sulawesi). [Note]

Genus **CONCHAPELOPIA** FITTKAU

**CONCHAPELOPIA** FITTKAU, 1957: *Archiv für Hydrobiologie* **53**: 317. Type-species: *Tanypus pallidulus* Meigen, 1818, by original designation. [Note]

**MESOPELOPIA** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 252. Type-species: *Conchapelopia (Mesopelopia) aleta* Roback, 1971, by monotypy. Synonymized with *Conchapelopia* Fittkau, 1957, by Roback (1981: *Proceedings of the Academy of Natural Sciences of Philadelphia* **133**: 87).

**aagaardi** MURRAY, 1987: *Entomologica Scandinavica Supplement* **29**: 161 (*Conchapelopia*). Type-locality: “small stream 70°14'N, 24°6'E, on Finmarksvidda, Norway”. — Distr.: **PA**: Germany, Great Britain, Norway.

**abiskoensis** (GOETGHEBUER, 1940): *Bulletin et Annales de la Société Entomologique de Belgique* **80**: 55 (*Ablabesmyia*). Type-locality: [Introduction] “aux environs d'Abisko, en Laponie Suédoise” [= Swedish Lapland]. — Distr.: **PA**: Finland, Sweden.

**aleta** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 252 (*Conchapelopia (Mesopelopia)*). Type-locality: [U.S.A.] “New York — Sta. Study Ins., Tuxedo”. — Distr.: **NE**: Canada (Ontario, Québec), U.S.A. (Florida, Georgia, Michigan, New York, Ohio, South Carolina, Tennessee).

**amamiaurea** SASA, 1990: *Japanese Journal of Experimental Medicine* **60**: 136 (*Conchapelopia*). Type-locality: {Amami Island, Nansei Islands, southern Japan} “Yakkachi River” — Distr.: **OR**: Japan (Ryukyu Archipelago).

**aurantiaca** (KIEFFER, 1911): *Transactions of the Linnean Society of London (2nd Series Zoology)* **14**: 365 (*Isoplastus*). Type-localities: “Seychellen. Mahé: Cascade Estate, about 800-1500 feet”; “Cascade Estate, about 800 feet and over”. —

Distr.: **AF**: Seychelles.

**bruna** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 249 (*Conchapelopia* (*Conchapelopia*)). Type-locality: [Canada] “Northwest Territories — Baker Lake” [Now in Nunavut] — Distr.: **NE**: Canada (Nunavut), U.S.A. (Alaska).

**buidonnai** MURRAY, 1976: *Entomologica Scandinavica* **7**: 297 (*Conchapelopia*). Type-locality: “Nepal, near Katmandu, 28°00'N, 85°00'E”. — Distr.: **OR**: Nepal.

**currani** (WALLEY, 1925): *Canadian Entomologist* **57**: 276 (*Tanypus*). Type-locality: {Canada} “Aylmer, Que.” [= Québec]. — Distr.: **NE**: Canada (Manitoba, Ontario, Québec), U.S.A. (Iowa, Michigan, New York, Wyoming).

**cygnus** (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 202 (*Psectrotanypus*). Type-locality: “Soudan : Shambe” [Soudan = Sudan]. — Distr.: **AF**: Benin, Burkina Faso, Chad, Côte d’Ivoire, D. R. Congo, Ghana, Guinea, Kenya, Mali, Namibia, Nigeria, Senegal, South Africa, Sudan, Togo.

**dartofi** MURRAY, 1976: *Entomologica Scandinavica* **7**: 295 (*Conchapelopia*). Type-locality: “Nepal, near Katmandu, 27°57'N. 84°59'E”. — Distr.: **OR**: Nepal.

**esakianus** (TOKUNAGA, 1939): *Philippine Journal of Science* **69**: 302 (*Pentaneura*). Type-locality: {Japan, Honshu} “Miure, Otaki-Mura, Nagano Prefecture”. — Distr.: **PA**: Japan.

**falcistylus** CHAUDHURI & DEBNATH, 1983: *Entomon* **8**: 297 (*Conchapelopia* (*Conchapelopia*)). Type-locality: “India, West Bengal, Raniganj”. — Distr.: **OR**: India (West Bengal).

**fasciata** BECK & BECK, 1966: *Bulletin of the Florida State Museum Biological Sciences* **10**: 346 (*Conchapelopia*). Type-locality: [U.S.A.] “Duval County, Florida, Expressway Creek”. — Distr.: **NE**: Canada (Alberta, Ontario, Saskatchewan), U.S.A. (Florida, Georgia, Kansas, New York, Pennsylvania).

*dusena* ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 247 (*Conchapelopia* (*Conchapelopia*)). Type-locality: [U.S.A.] “New York —Ithaca”.



- hittmairorum** MICHIELS & SPIES, 2002: *Spixiana* **25**: 253 (*Conchapelopia*). Type-locality: “Germany, Bavaria, river Alz, Hohenwardt, 48°12'N 12°46'E, 390 m a.s.l.”. — Distr.: **PA**: Austria, France, Germany, Great Britain, Ireland, Spain, Sweden, Switzerland.
- insolens** MURRAY, 1995: *Chironomids: from genes to ecosystems*: 418 (*Conchapelopia*). Type-locality: “Indonesia, Dumoga-Bone National Park, Utura, River Toraut, 0°33'N, 123°54'E” [“Utura”, error = Sulawesi Utara]. — Distr.: **OR**: Indonesia (Sulawesi).
- intermedia** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 245 (*Conchapelopia*). Type-localities: “Nordskandinavien : Schwedisch Lappland, Torneträskgebiet. Tümpel am Abiskojaure”; “*Laporthocladius*-Quelle in der Zwergbirkenheide bei Abisko”. — Distr.: **PA**: Finland, Germany, Norway, Sweden.
- japonica** (TOKUNAGA, 1937): *Philippine Journal of Science* **62**: 50 (*Pentaneura*). Type-locality: “Honshu, Japan . . . Arashiyama, Kyoto”. — Distr.: **PA**: Japan.
- multifascia* (TOKUNAGA, 1937): *Philippine Journal of Science* **62**: 54 (*Pentaneura*). Type-locality: “Honshu, Japan . . . Nagaoka, Kyoto”.
- quatuormaculata* FITTKAU, 1957: *Archiv für Hydrobiologie* **53**: 320 (*Conchapelopia*; as nom. nov. for *melanops* sensu Tokunaga, 1937 nec *melanops* Meigen, 1818). Type-locality: “Japan”; || ► Type-localities: {Japan} “Kyoto: Kitashirakawa”; “Shimogamo”; “Hachijo”; “Nishigamo”; “Uzumasa”; “Kurama”; “Kibune”; “Gotemba, Shizuoka Prefecture” in Tokunaga, 1937: *Philippine Journal of Science* **62**: 51-52 ◀ ||.
- togasiroia* SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 210 (*Conchapelopia*). Type-locality: [Japan] “a tributary of Toga River”.
- familemea* SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (March): 61 (*Conchapelopia*). Type-locality: [Introduction, page 16] “Japan . . . in the zoological garden called Toyama City

Family Park on the foot of Kureha Hill . . . Lake B” [Lake B = Rokusen Lake, page 47].

**longinervis** (FREEMAN, 1955): *Bulletin of the British Museum (Natural History) Entomology* **4**: 29 (*Pentaneura* (*Pentaneura*)). Type-locality: “Kenya, Mt. Elgon, Heath Zone, 10,500-11,500 ft.”. — Distr.: **AF**: Kenya.

**melanops** (MEIGEN, 1818): *Systematische Beschreibung I*: 65 (*Tanypus*; as “*Melanops*”). Type-locality: [Germany] “in Hessen”. — Distr.: **PA**: Austria, Belgium, Canary Islands, China (Shandong), Czech Republic, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Japan, Latvia, Lebanon, Luxembourg, Moldova, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, East Siberia, Far East), Sicily, Slovakia, Spain, Sweden, Switzerland, Turkey; **OR**: China (Hunan). [**Note**]

*melanops*: **Not Nearctic**.

*bicolor* (FRIES, 1823): *Monographia Tanyporum Sveciæ*: 17 (*Tanypus*). Type-locality: “in littoribus Finmarkiæ Norvegicæ collegimus” [= collected on the shores of the Norwegian Finnmark].

*intersepta* (WALKER, 1856): *Insecta Britannica, Diptera* **3**: 182 (*Chironomus*). Type-locality: “(E.)” [= England].

*claripennis* (KIEFFER, 1911): *Bulletin de la Société d’Histoire Naturelle de Metz* **27**: 13 (*Pelopia*). Type-locality: [Introduction] “d’Allemagne” [= Germany].

*nympha* (KIEFFER, 1911): *Bulletin de la Société d’Histoire Naturelle de Metz* **27**: 15 (*Pelopia*). Type-locality: [Introduction] “d’Allemagne” [= Germany].

*fasciigera* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 182 (*Tanypus* (*Tanypus*)). Type-locality: [Czech Republic] “Böhmen”.

*flavidella* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 186 (*Tanypus* (*Tanypus*)). Type-locality: [Czech Republic] “Böhmen”.

*ciconia* (KIEFFER, 1922): *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **41**: 366 (*Tanypus*). Type-locality: [Germany] “Source au Sleswig-Holstein”.

- sparganii* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 110 (*Tanypus*). Type-locality: “Larve mineuse de *Sparganium*, Prutzer Kirchsee, Allemagne du Nord”.
- ? *arundineti* (LINNAEUS, 1760): *Fauna Svecica* **2**: 434 (*Tipula*). Type-locality: [Title] “*Svecica*” [= Sweden]. **Questionable synonym.** [Note]
- mera** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 246 (*Conchapelopia* (*Conchapelopia*)). Type-locality: [U.S.A., Washington] “O’Sullivan Dam, Grant Co.”. — Distr.: **NE**: U.S.A. (Arizona, Washington).
- nepalicola** MURRAY, 1976: *Entomologica Scandinavica* **7**: 295 (*Conchapelopia*). Type-locality: “Nepal, near Katmandu, 28°00'N, 85°00'E”. — Distr.: **OR**: Nepal.
- okisimilis** SASA, 1990: *Japanese Journal of Experimental Medicine* **60**: 137 (*Conchapelopia*). Type-locality: {Okinawa Island, Nansei Islands, southern Japan} “a small stream at Giho, Naha City”. — Distr.: **PA**: Japan, **OR**: Japan (Ryukyu Archipelago).
- jintualba* SASA, 1990: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1990**: 51 (*Conchapelopia*). Type-locality: {Japan, Toyama, Jintsu River} “St. 5, Monjuji”.
- pallens** (COQUILLET, 1902): *Proceedings of the United States National Museum* **25**: 91 (*Tanypus*). Type-locality: [U.S.A.] “Las Vegas Hot Springs, New Mexico”. — Distr.: **NE**: Canada (British Columbia, Northwest Territories, Ontario, Québec, Saskatchewan), U.S.A. (Alaska, Arizona, California, Colorado, Florida, Georgia, Idaho, Massachusetts, Montana, New Mexico, New York, Oregon, South Dakota, Tennessee, ?Utah, Washington, Wyoming).
- goniodes* (SUBLETTE, 1964): *Proceedings of the United States National Museum* **115**: 89 (*Pentaneura* (*Pentaneura*)). Type-locality: [U.S.A.] {California} “Berkeley”.
- trifida* ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 246 (*Conchapelopia* (*Conchapelopia*); as var. of *goniodes* Sublette, 1964). Type-locality: “United States California — S. End Lake Tahoe,

El Dorado Co.”.

- pallidula** (MEIGEN, 1818): *Systematische Beschreibung* **1**: 65 (*Tanypus*). Type-locality: “Oesterreich” [= Austria] [Neotype designation: “GERMANY, Bavaria, river Alz, Hohenwardt, 48°12'N, 12°46'E, 390 m a.s.l.” in Michiels & Spies, 2002: *Spixiana* **25**: 260]. — Distr.: **PA**: Algeria, Andorra, Austria, Balearic Islands, Belgium, Corsica, Crete, Croatia, Czech Republic, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Lebanon, Lesbos, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, East Siberia, Far East), Slovakia, Spain, Sweden, Switzerland, Turkey. [**Note**]
- costalis* (KIEFFER, 1911): *Bulletin de la Société d'Histoire Naturelle de Metz* **27**: 17 (*Pelopia*). Type-locality: [Introduction] “d'Allemagne” [= Germany].
- musvicola* (KIEFFER, 1913): *Bulletin de la Société d'Histoire Naturelle de Metz* **28**: 12 (*Pelopia*). Type-locality: {Allemagne} “d'un ruisseau, au Sauerland”.
- bipunctella* (GOETGHEBUER, 1933): *Bulletin et Annales de la Société Entomologique de Belgique* **72**: 288 (*Ablabesmyia*). Type-locality: “à Virton (Belgique)”. [**Note**]
- debeauchampi* (GOUIN, 1941): *Archiv für Hydrobiologie* **38**: 291 (*Ablabesmyia*; as “*de Beauchampi*”). Type-localities: [France] “Strengbach oberhalb Rappoltswieler (Elsaß)” [= Alsace]; [Austria] “Lunz am See (Nied.-Don.) im Seebach in Moosenlptischer Biotope”.
- paramelanops** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 249 (*Conchapelopia* (*Conchapelopia*)). Type-locality: [U.S.A.] “Virginia — Vesuvius, Rockbridge Co.”. — Distr.: **NE**: U.S.A. (New York, Virginia).
- rurika** (ROBACK, 1957): *Monographs of the Academy of Natural Sciences of Philadelphia* **9**: 34 (*Pentaneura*). Type-locality: [U.S.A.] “West branch of Nishaminy Creek where Route 309 crosses it near Colmar, Pa” [= Pennsylvania]. — Distr.: **NE**: Canada (Manitoba, Québec), U.S.A. (Georgia, Illinois, Iowa, Kansas, New Jersey, Pennsylvania, Virginia).

- seiryusetea** SASA, SUZUKI & SAKAI, 1999: *Tropical Medicine* **40**: 126 (*Conchapelopia*).  
Type-locality: {Shimanto River, western Shikoku, Japan} “in the town of Nakamura, near the mouth of Shimanto River”. — Distr.: **PA**: Japan.
- setipalpis** MURRAY, 1976: *Entomologica Scandinavica* **7**: 296 (*Conchapelopia*). Type-locality: “Nepal, near Katmandu, 28°00'N, 85°00'E”. — Distr.: **OR**: Nepal.
- sikotuensis** SASA, 1990: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1990**: 53 (*Conchapelopia*; as nom. nov. for *melanops* sensu Sasa, 1988, nec Meigen, 1818). Type-locality: {Japan} “Lake Shikotsu (Hokkaido)”. — Distr.: **PA**: Japan. [Note]  
*shikotuensis*: incorrect subsequent spelling.
- ginzanvewea* SASA & SUZUKI, 2001: *Tropical Medicine* **43**: 25 (*Conchapelopia*).  
Type-locality: {Japan, Hokkaido} [p. 8] “Ginzan”.
- solita** (JOHANNSEN, 1932): *Archiv für Hydrobiologie Supplement* **9**: 495 (*Pentaneura*).  
Type-locality: [Indonesia] {Dutch East Indies} “Baturiti, Bali” [Baturiti = Batoeriti]. — Distr.: **OR**: Indonesia (Bali). **Comb. nov.** [Note]
- telema** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 247 (*Conchapelopia* (*Conchapelopia*)). Type-locality: [Canada] “Alberta — Beaverlodge”. — Distr.: **NE**: Canada (Alberta, Northwest Territories, Ontario, Saskatchewan), U.S.A. (Illinois, Kansas, Montana, New York, North Carolina).
- togamaculosa** SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 209 (*Conchapelopia*). Type-locality: [Japan] “Toga River”. — Distr.: **PA**: Japan.
- togapallida** SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 209 (*Conchapelopia*). Type-locality: [Japan] “Toga River”. — Distr.: **PA**: Japan.
- triannulata** (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8**: 70 (*Tanypus*). Type-localities: {Belgique} [p. 187] “Hockai (Subalp.)”; “Virton (H. B.)” [= Haute Belgique]. — Distr.: **PA**: Algeria, Austria, Belgium, Corfu, Crete, France, Germany, Great Britain, Greece, Israel,

Slovakia, Spain, Turkey. [Note]

**trifascia** (FREEMAN, 1954): *Proceedings of the Royal Entomological Society* (B) **23**: 172 (*Pentaneura*). Type-locality: [South Africa] “Tulbagh Barrage”. — Distr.: **PA**: Saudi Arabia; **AF**: D. R. Congo, Ethiopia, Kenya, Madagascar, Malawi, Namibia, South Africa, Zimbabwe.

**unzenalba** SASA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 90 (*Conchapelopia*). Type-locality: [Japan] “small mountain streams near the town of Unzen (Nagasaki)”. — Distr.: **PA**: Japan.

*tusimugehea* SASA & SUZUKI, 1999: *Tropical Medicine* **41**: 108 (*Conchapelopia*). Type-locality: {Japan, Tsushima Island} “Izumi”.

**varna** ROBACK, 1981: *Proceedings of the Academy of Natural Sciences of Philadelphia* **133**: 93 (*Conchapelopia* (*Conchapelopia*)). Type-locality: [U.S.A.] “West Virginia: Lead Mine Run, 1.25 mi NE Lead Mine”. — Distr.: **NE**: U.S.A. (West Virginia).

**viator** (KIEFFER, 1911): *Bulletin de la Société d'Histoire Naturelle de Metz* **27**: 8 (*Psectrotanypus*). Type-locality: [Introduction] “d'Allemagne” [= Germany]. — Distr.: **PA**: Austria, China (Ningxia), Corsica, Czech Republic, France, Germany, Great Britain, Hungary, Ireland, Luxembourg, Morocco, Portugal, Romania, Russia (East Siberia), Slovakia, Spain.

**zairensis** LEHMANN, 1979: *Spixiana Supplement* **3**: 15 (*Conchapelopia*). Type-locality: [Democratic Republic of the Congo] “Kalengo, Kivu-See-Gebiet, Zaire”. — Distr.: **AF**: D. R. Congo.

sp.: FITTKAU & ROBACK, 1983: *Entomologica Scandinavica Supplement* **19**: 48 (*Conchapelopia*). Locality: “Neotropical”. — Distr.: **NT**: Country not specified.

[Note]

sp.: ASHE, MURRAY & REISS, 1987: *Annales de Limnologie* **23**: 52 (*Conchapelopia*). Locality: [Australia] “McLeod River about 18 km west of Mt Carbine in Queensland”. — Distr.: **AU**: Australia (Queensland). [Note]

sp.: ROBACK & COFFMAN, 1989: *Proceedings of the Academy of Natural Sciences of*

*Philadelphia* **141**: 91 (*Conchapelopia*). Localities: {India, Tamil Nadu} “IN5” [= “Oottai stream at Machur Bridge about 18 km east of Kodaikanal at roadmark 20/2”]; “IN13” [= “3rd order stream (Vellappalam)”]. — Distr.: **OR**: India (Tamil Nadu).

### Nomina dubia in CONCHAPELOPIA

*puncticollis* (GOETGHEBUER in THIENEMANN, 1936): *Archiv für Hydrobiologie* **30**: 178 (*Ablabesmyia*). Type-locality: [Germany] “Aus Moosen des Wiesenbaches hinter der Werdenfelser Hütte bei Garmisch”.

### Genus **DENOPELOPIA** ROBACK & RUTTER

**DENOPELOPIA** ROBACK & RUTTER, 1988: *Spixiana Supplement* **14**: 118. Type-species: *Denopelopia atria* Roback & Rutter, 1988, by original designation.

**YAEQUINTUS** SASA & SUZUKI, 2000: *Tropical Medicine* **42**: 24. Type-species: *Yaequintus irioquereus* Sasa & Suzuki, 2000, by monotypy. Synonymized with *Denopelopia* Roback & Rutter, 1988, by Kobayashi & Endo (2008: *Zootaxa* **1712**: 50).

**atria** ROBACK & RUTTER, 1988: *Spixiana Supplement* **14**: 120 (*Denopelopia*). Type-locality: [U.S.A.] “shallow ditch near FDER Laboratory, Punta Gorda FL” [= Florida]. — Distr.: **NT**: Costa Rica; **NE**: U.S.A. (Florida).

**diaoluonica** CHENG & WANG, 2005: *Zootaxa* **1042**: 58 (*Denopelopia*). Type-locality: “CHINA: Hainan Province, Lingshui County, Diaolu Town”. — Distr.: **OR**: China (Hainan).

**irioquerea** (SASA & SUZUKI, 2000): *Tropical Medicine* **42**: 24 (*Yaequintus*). Type-locality: {Japan, Iriomote Island} “Kaira River”. — Distr.: **OR**: China (Guandong), Japan (Ryukyu Archipelago).

*bractea* CHENG & WANG, 2005: *Zootaxa* **1042**: 56 (*Denopelopia*). Type-locality: “CHINA: Guandong Province, Fengkai County, Heishiding Natural Conversation” [= Conservation].

- viridula** CHENG & WANG, 2005: *Zootaxa* **1042**: 60 (*Denopelopia*). Type-locality: “CHINA: Hainan Province, Changjiang County, Bawangling Natural Conversation” [= Conservation]. — Distr.: **OR**: China (Hainan).  
sp.: SPIES & REISS, 1996: *Spixiana Supplement* **22**: 85 (*Denopelopia*). Locality: “Panamá”.  
— Distr.: **NT**: Panama.

Genus **DEROTANYPUS** ROBACK

- DEROTANYPUS** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 91. Type-species: *Anatopynia (Macropelopia) aclines* Sublette, 1964, by original designation.
- MEROTANYPUS** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 94 (as subgenus of *Derotanypus* Roback 1971). Type-species: *Tanypus alaskensis* Malloch, 1919, by original designation. Synonymized with *Derotanypus* Roback, 1971, by Roback (1978: *Proceedings of the Academy of Natural Sciences of Philadelphia* **129**: 177).
- aclines** (SUBLETTE, 1964): *Proceedings of the United States National Museum* **115**: 104 (*Anatopynia (Macropelopia)*). Type-locality: [U.S.A.] {California} “Alturas, Modoc Co.”. — Distr.: **NE**: U.S.A. (Alaska, California, Idaho, Nevada, Oregon, Utah, Washington, Wyoming).
- alaskensis** (MALLOCH, 1919): *Report of the Canadian Arctic Expedition* **3**: 35 (*Tanypus*). Type-locality: Not given || ▶ Type-localities: “United States Alaska — Prince of Wales”; “W. of Kangenevik, Camden Bay” in Roback, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 94-95 ◀ ||. — Distr.: **NE**: Canada (Alberta, British Columbia, Manitoba, Nunavut, Northwest Territories, Saskatchewan, Yukon Territory), U.S.A. (Alaska); **PA**: Russia (East Siberia).  
[Note]
- centralis** (MALLOCH, 1934): *Memoirs of the Carnegie Museum* **12**: 13 (*Anatopynia*). Type-locality: [Canada, Nunavut] [Volume Title] “Southampton Island, Hudson Bay”.



**limbatus** (LUNDSTRÖM, 1915): *Zapiski Imperatorskoi Akademii Nauk* **29**: 24 (*Ablabesmyia*). Type-localities: [Russia] “Ins. Neu-Sibirien . . .: Holzgebirge”; “Ufer des Fl. Bolschaja, Westküste”; “Insel Kotelnyj” [Lectotype designated in Sæther, 2004: *Zootaxa* **595**: 30, “Russia: New Siberian Islands, "Holzgebirge" ”]. — Distr.: **PA**: Russia (East Siberia).

*quadrinotata* (LUNDSTRÖM, 1915): *Zapiski Imperatorskoi Akademii Nauk* **29**: 25 (*Ablabesmyia*). Type-locality: [Russia] “Ins. Neu-Sibirien, Nordküste an einem See”.

**sibiricus** (KRUGLOVA & CHERNOVSKII, 1940): *Zametki po faune i flore Sibiri. Byulleten fakultety Biologicheskii institut Tomskogo gosudartvennogo universiteta. Tomskoe obshchestva ispytatelei prirody* **2**: 1 (*Anatopynia*). Type-locality: [Russia] \*\*Oz. Universitetskoe racpoloeno na pravom beregy r. Tomi\*\* [= University Lake within the boundaries of the city of Tomsk] [Lectotype designated in Sæther, 2004: *Zootaxa* **595**: 30, “Russia, Universitetsk ozewo (Lake Universitetskoe in the confines of the City of Tomsk)”]. — Distr.: **PA**: Austria, ?Bulgaria, Estonia, Germany, Russia (CET, NET, East Siberia, Far East, West Siberia). [Note]

#### Genus **DJALMABATISTA** FITTKAU

**DJALMABATISTA** FITTKAU, 1968: *Amazoniana* **1** (4): 328. Type-species: *Djalmabatista director* Fittkau, 1968, by original designation.

*DJALMABASTICA*: incorrect subsequent spelling.

*CALOTANYPUS* ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 152 (as subgenus of *Procladius* Skuse, 1889). Type-species: *Protenthes pulcher* Johannsen, 1908, by original designation. Synonymized with *Djalmabatista* Fittkau, 1968, by Roback & Tennessen (1979: *Proceedings of the Academy of Natural Sciences of Philadelphia* **130**: 17)

**amancii** FITTKAU, 1968: *Amazoniana* **1** (4): 344 (*Djalmabatista*). Type-locality: {Amazonas, Brasilien} “bei der Einmündung des Igarapé Cachoeira in den Rio

Cuieiras, einem linken Zufluß des unteren Rio Negro”. — Distr.: **NT**: Brazil.

**antoni** FITTKAU, 1968: *Amazoniana* **1** (4): 335 (*Djalmabatista*). Type-locality: {Amazonas, Brasilien} “Rio Marauíá bei der Mission S. Antonio”. — Distr.: **NT**: Brazil.

**bifida** (CHAUDHURI & DEBNATH, 1983): *Zoologische Jahrbücher, Systematik, Ökologie und Geographie der Tiere* **110**: 115 (*Procladius (Calotanypus)*). Type-locality: {India} “West Bengal, Raniganj”. — Distr.: **OR**: India (West Bengal).

**dellomei** FITTKAU, 1968: *Amazoniana* **1** (4): 342 (*Djalmabatista*). Type-locality: {Pará, Brasilien} “am Rio Paru de Oeste, im Gebiet der Tiriyo-Mission, Grenzzone von Brasilien—Holländische Guiana”. — Distr.: **NT**: Brazil.

**director** FITTKAU, 1968: *Amazoniana* **1** (4): 332 (*Djalmabatista*). Type-locality: {Amazonas, Brasilien} “Rio Marauíá bei der Mission S. Antonio”. — Distr.: **NT**: Brazil.

**ivanyae** FITTKAU, 1968: *Amazoniana* **1** (4): 340 (*Djalmabatista*). Type-locality: {Amazonas, Brasilien} “bei einem Wasserfall am Unterlauf des Rio Irapirapi, kurz vor seiner Einmündung in der Rio Marauíá”. — Distr.: **NT**: Brazil.

**lacustris** PAGGI, 1985: *Revista de la Sociedad Entomológica Argentina* **43**: 342 (*Djalmabatista*). Type-locality: {Argentina} “Lago Ramos Mexía, El Chocón, costa de Río Negro”. — Distr.: **NT**: Argentina. [Note]

**orlandoi** OLIVEIRA & CARRARO, 1997: *Entomología-y-Vectores* **4**: 3 (*Djalmabatista*). Type-locality: “Brazil, Boracéa, Salesópolis, SP (800m)”. — Distr.: **NT**: Brazil.

**pulchra** (JOHANNSEN, 1908): *Bulletin of the New York State Museum* **124**: 273 (*Protenthes*). Type-locality: [U.S.A.] “Old Forge, N. Y.” [= New York]. — Distr.: **NT**: Brazil, ?Costa Rica, ?Guatemala, ?Mexico (#), ?Nicaragua; **NE**: Canada (Ontario, Québec), U.S.A. (Alabama, Florida., Georgia, Michigan, New York, North Carolina, Ohio, Pennsylvania, South Carolina).

*apicalis* (WALLEY, 1926): *Canadian Entomologist* **58**: 64 (*Tanypus*). Type-locality: {Canada} “Aylmer, Que.” [= Québec].

*fasciger* (CURRAN, 1930): *Bulletin of the American Museum of Natural History* **61**:

29 (*Protenthes*). Type-locality: [U.S.A.] [p. 21] “Harriman Interstate Park . . . near the southern end of the park about three miles from the village of Tuxedo, N. Y.” [= New York].

*maculatus* (ROBACK, 1971): *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 152 (*Procladius* (*Calotanypus*)). Type-locality: [U.S.A.] “Florida, Resonta Beach, Bay Co.”.

**reidi** (FREEMAN, 1955): *Bulletin of the British Museum (Natural History)* Entomology **4**: 61 (*Procladius* (*Psilotanypus*)). Type-locality: [Sudan] “Anglo-Egyptian Sudan, Adok”. — Distr.: **PA**: Saudi Arabia; **AF**: Cameroon, Chad, Ghana, Guinea, Sudan, Togo; **OR**: India (West Bengal).

**travassosi** CARRARO, OLIVEIRA & REGO, 1992: *Memórias do Instituto Oswaldo Cruz* **87** (Supplement 1): 57 (*Djalmabatista*). Type-locality: {Brazil, Estado do Rio de Janeiro} “Km 47, Estr. Rio/SP, Mun. Itaguaí, RJ”. — Distr.: **NT**: Brazil.

sp.: CRANSTON & MARTIN, 1989: *Catalog of the Diptera of the Australasian and Oceanian Regions*: 256 (*Djalmabatista*). Localities: “Australia (NSW, NT)” [NSW = New South Wales; NT = Northern Territory]. — Distr.: **AU**: Australia (New South Wales, Northern Territory).

sp.: ASHE, 1990: *Insects and the rain forests of South East Asia (Wallacea)*: 267 (*Djalmabatista*). Locality: [Indonesia] “Sulawesi”. — Distr.: **OR**: Indonesia (Sulawesi).

#### Genus **FITTKAUIMYIA** KARUNAKARAN

**FITTKAUIMYIA** KARUNAKARAN, 1969: *Proceedings of the Royal Entomological Society* (B) **38**: 75. Type-species: *Fittkauimyia disparipes* Karunakaran, 1969, by original designation.

*PARAPELOPIA* ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 91. Type-species: *Parapelopia sertae* Roback, 1971, by original designation. Synonymized with *Fittkauimyia* Karunakaran, 1969, by Oliver, Dillon & Cranston (1990: *Agriculture Canada, Publication* **1857/B**: 9).

- KAMELOPELOPIA* HARRISON, 1978: *Journal of the Entomological Society of Southern Africa* **41**: 65. Type-species: *Anatopynia petersi* Freeman, 1955, by original designation. Synonymized with *Fittkauimyia* Karunakaran, 1969, by Fittkau & Roback (1983: *Entomologica Scandinavica Supplement* **19**: 49).
- crypta** SERRANO & NOLTE, 1996: *Entomologica Scandinavica* **27**: 252 (*Fittkauimyia*). Type-locality: “Spring-brook of the Bento Gomes river (15°45'S, 56°35'W, 330 m a.s.l.), Fazenda Campo Alegre, Municipio de Nossa Senhora do Livramento, Mato Grosso, Brazil”. — Distr.: **NT**: Brazil.
- disparipes** KARUNAKARAN, 1969: *Proceedings of the Royal Entomological Society (B)* **38**: 76 (*Fittkauimyia*). Type-locality: “Singapore: Bukit Timah, 539-550 feet”. — Distr.: **OR**: Singapore; **AU**: Australia (New South Wales, Northern Territory, Queensland).
- nipponica** UENO, TAKAMURA & NAKAGAWA, 2005: *Aquatic Insects* **27**: 36 (*Fittkauimyia*). Type-locality: “A pond (36°03'N, 140°07'E, 20 m a.s.l.) in the National Institute of Environmental Studies (NIES), Tsukuba, Ibaraki, Japan”. — Distr.: **PA**: Japan.
- olivacea** NIITSUMA, 2004: *Species Diversity* **9**: 368 (*Fittkauimyia*). Type-locality: {Japan} “upper reaches of Asami River in Hirono Town, Fukushima Prefecture (type locality 37°12'N, 140°48'E)”. — Distr.: **PA**: Japan.
- petersi** (FREEMAN, 1955): *Bulletin of the British Museum (Natural History) Entomology* **4**: 47 (*Anatopynia*). Type-locality: [Tanzania] “Tanganyika : Njombe”. — Distr.: **AF**: Burkina Faso, D. R. Congo, Nigeria, Tanzania.
- serta** (ROBACK, 1971): *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 91 (*Parapelopia*). Type-locality: [U.S.A., Florida] “Bohemia, Escambia Co.”. — Distr.: **NE**: U.S.A. (Florida, North Carolina, Oklahoma, Texas).
- sp.: (ROBACK, 1966): *Monographs of the Academy of Natural Sciences of Philadelphia* **14**: 318 (*Anatopynia (Psectrotanypus)*). Locality: {Peru} “Puente Perez”. — Distr.: **NT**: Peru.
- sp.: MURRAY & FITTKAU, 1989: *Entomologica Scandinavica Supplement* **34**: 55, 95

(*Fittkauimyia*). Locality: [Brazil] “Amazon region”. — Distr.: **NT**: Brazil.

Genus **GRESSITTIUS** SUBLETTE & WIRTH

**GRESSITTIUS** SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 302.

Type species: *Corethra antarctica* Hudson, 1892, by original designation.

**antarcticus** (HUDSON, 1892): *An elementary manual of New Zealand entomology*: 43 (*Corethra*). Type-locality: [in Title] “New Zealand”. — Distr.: **AU**: New Zealand (Antipodes Island, Auckland Islands, North Island).

*hudsoni* (KIEFFER, 1922): *Annales de la Société Linnéene de Lyon* **68**: 148 (*Macropelopia*). Type-locality: “Wellington (Nouvelle-Zélande)”.

**umbrosus** (FREEMAN, 1959): *Bulletin of the British Museum (Natural History) Entomology* **7**: 406 (*Anatopynia*). Type-locality: {New Zealand} “Wellington: Ohakune”. — Distr.: **AU**: New Zealand (North Island).

Genus **GUASSUTANYPUS** ROQUE & TRIVINHO-STRIXINO

**GUASSUTANYPUS** ROQUE & TRIVINHO-STRIXINO, 2003: *Spixiana* **26**: 159. Type-species: *Guassutanypus oliveirai* Roque & Trivinho-Strixino, 2003, by original designation.

**oliveirai** ROQUE & TRIVINHO-STRIXINO, 2003: *Spixiana* **26**: 161 (*Guassutanypus*). Type-locality: “Brazil, São Paulo, São Carlos, Fazzari Stream (21°59'S, 47°54'W)”. — Distr.: **NT**: Brazil.

Genus **GUTTIPELOPIA** FITTKAU

**GUTTIPELOPIA** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 251. Type-species: *Tanypus guttipennis* Wulp, 1861, by original designation.

**guttipennis** (WULP, 1861): *Tijdschrift voor Entomologie* **4**: 16 (*Tanypus*). Type-locality: [Netherlands] “den Haag” || ▶ Type-locality: [Netherlands] “Duinen bij den Haag” in Wulp, 1874: *Tijdschrift voor Entomologie* **17**: 144 (*Tanypus*) ◀ || [Lectotype designated in Bilyj, 1988: *Entomologica Scandinavica* **19**: 14].

Senior primary homonym of *Tanypus guttipennis* Wulp, 1874. — Distr.: **NE**: Canada (Manitoba, Northwest Territories, Ontario, Québec), U.S.A. (Alabama, Connecticut, Florida, Georgia, Illinois, Indiana, Iowa, Kentucky, Michigan, Minnesota, New Jersey, New York, North Carolina, Ohio, Pennsylvania, South Carolina, Wisconsin, Wyoming); **PA**: Austria, Belarus, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Macedonia, Netherlands, Norway, Poland, Romania, Russia (CET, NET, East Siberia, Far East), Slovakia, Sweden, Switzerland, ¶Yugoslavia.

*guttipennis* (WULP, 1874): *Tijdschrift voor Entomologie* **17**: 144 (*Tanypus*). Type-locality: [Netherlands] “Duinen bij den Haag”. **Preoccupied**. Junior primary homonym of *Tanypus guttipennis* Wulp, 1861.

*zavreli* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 178 (*Tanypus* (*Peritaphreuusa*)). Type-locality: [Czech Republic] “Böhmen”.

*multipunctatus* (CURRAN, 1930): *Bulletin of the American Museum of Natural History* **61**: 29 (*Tanypus*). Type-locality: [U.S.A.] [p. 21] “Harriman Interstate Park . . . near the southern end of the park about three miles from the village of Tuxedo, N. Y.” [= New York].

*currani* BECK & BECK, 1966: *Bulletin of the Florida State Museum Biological Sciences* **10**: 332 (*Guttipelopia*). Type-locality: [U.S.A.] “Flagler County, Florida, Rayonier Ditch”.

? *obscurus* (MACQUART, 1826): *Recueil des Travaux de la Société d’Amateurs des Sciences, de l’Agriculture et des Arts de Lille* **1823-1824**: 189 (*Tanypus*). Type-locality: [Title] “Nord de la France”. **Questionable synonym**. Senior secondary homonym of *Tanypus obscurus* Kieffer, 1923.

**rosenbergi** BILYJ, 1984: *Canadian Journal of Fisheries and Aquatic Sciences* **41**: 659 (*Guttipelopia*). Type-locality: {Canada} “Wupaw Bay, Southern Indian Lake, Man. (59°44'N, 99°07'W)” [Man. = Manitoba]. — Distr.: **NE**: Canada (Manitoba, Ontario, Saskatchewan).

Genus **HAYESOMYIA** MURRAY & FITTKAU

**HAYESOMYIA** MURRAY & FITTKAU, 1986: *Spixiana Supplement* **11**: 196. Type-species: *Tanypus tripunctatus* Goetghebuer, 1922, by original designation.

**aquila** CHENG & WANG, 2006: *Zootaxa* **1147**: 36 (*Hayesomyia*). Type-locality: “CHINA: Yunnan Province, Eryuan County, Niujie Township, Futianlin, Meicihe, 2262 m”. — Distr.: **OR**: China (Fujian, Yunnan).

**cinctuma** CHENG & WANG, 2006: *Zootaxa* **1147**: 38 (*Hayesomyia*). Type-locality: “CHINA: Guizhou Province, Daomai County, Dashahe River Natural Conversation, 600 m” [Conversation = Conservation]. — Distr.: **OR**: China (Fujian, Guizhou).

**fengkainica** CHENG & WANG, 2006: *Zootaxa* **1147**: 41 (*Hayesomyia*). Type-locality: “CHINA: Guandong Province, Fengkai County, Heishiding Natural Conservation Area, 927 m”. — Distr.: **OR**: China (Guandong).

**galbina** CHENG & WANG, 2006: *Zootaxa* **1147**: 43 (*Hayesomyia*). Type-locality: “CHINA: Hainan Province, Changjiang County, Bawangling Natural Conversation, 1042 m” [Conversation = Conservation]. — Distr.: **OR**: China (Hainan).

**rotunda** CHENG & WANG, 2006: *Zootaxa* **1147**: 46 (*Hayesomyia*). Type-locality: “CHINA: Sichuan Province, Xiangcheng County, Shuoquhe River, 2700 m”. — Distr.: **OR**: China (Sichuan, Yunnan).

**senata** (WALLEY, 1925): *Canadian Entomologist* **57**: 276 (*Tanypus*). Type-locality: {Canada} “Ottawa, Ont.” [= Ontario]. — Distr.: **NE**: Canada (Alberta, New Brunswick, Nova Scotia, Ontario, Québec, Saskatchewan), U.S.A. (California, Florida, Georgia, Illinois, Iowa, Kansas, Michigan, Minnesota, New Jersey, New York, Rhode Island, South Dakota, Washington); **PA**: Romania, Russia (NET).

*chrysos* (SUBLETTE, 1964): *Proceedings of the United States National Museum* **115**: 90 (*Pentaneura* (*Pentaneura*)). Type-locality: [U.S.A.] {California} “Pollock Pines, Eldorado Co.”.

? *unicolor* (WALKER, 1848): *List of the specimens of dipterous insects in the*

*collection of the British Museum*: 19 (*Chironomus*). Type-locality: [Canada] “Nova Scotia”. **Questionable synonym.**

**triangula** CHENG & WANG, 2006: *Zootaxa* **1147**: 48 (*Hayesomyia*). Type-locality: “CHINA: Tanwan Province” [error = Taiwan]. — Distr.: **OR**: Taiwan.

**trina** CHENG & WANG, 2006: *Zootaxa* **1147**: 50 (*Hayesomyia*). Type-locality: {China} “Yunnan Province, Zhongdian County, Hutiaoxia, 1602 m”. — Distr.: **OR**: China (Sichuan, Yunnan).

**tripunctata** (GOETGHEBUER, 1922): *Annales de Biologie Lacustre* **11**: 59 (*Tanypus*). Type-locality: {Belgique} “Pris à Falaën”. — Distr.: **PA**: Austria, Belgium, Corsica, France, Germany, Great Britain, Ireland, Japan, Portugal, Spain, Switzerland, Turkey; **OR**: China (Yunnan).

*seiryuuvea* (SASA, SUZUKI & SAKAI, 1999): *Tropical Medicine* **40**: 129 (*Rheopelopia*). Type-locality: {Shimanto River, western Shikoku, Japan} “in the town of Nakamura”.

**zayunica** CHENG & WANG, 2006: *Zootaxa* **1147**: 55 (*Hayesomyia*). Type-locality: “CHINA: Xizang Autonomus Region, Zayü County, 2723 m”. — Distr.: **OR**: China (Tibet).

sp.: ROBACK & COFFMAN, 1989: *Proceedings of the Academy of Natural Sciences of Philadelphia* **141**: 92 (*Hayesomyia*). Locality: {India, Tamil Nadu} “IN15” [= “Kallar? River, 4th order, at base of Nilgiri Hills”]. — Distr.: **OR**: India (Tamil Nadu).

sp.: ASHE, 1990: *Insects and the rain forests of South East Asia (Wallacea)*: 267 (*Hayesomyia*). Locality: [Indonesia] “Sulawesi”. — Distr.: **OR**: Indonesia (Sulawesi).

sp. A: CRANSTON, 2001: *The electronic guide to the Chironomidae of Australia*: 15 (*Hayesomyia*). Locality: {Australia} “NSW” [= New South Wales]. — Distr.: **AU**: Australia (New South Wales).

sp. B: CRANSTON, 2001: *The Electronic Guide to the Chironomidae of Australia*: 15 (*Hayesomyia*). Locality: {Australia} “Western Australia, in the Fortescue River



at Millstream N. P.". — Distr.: **AU**: Australia (Western Australia).

Genus **HELOPELOPIA** ROBACK

**HELOPELOPIA** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 250 (as subgenus of *Conchapelopia* Fittkau, 1957). Type-species: *Tanypus cornuticaudatus* Walley, 1925, by original designation.

**cornuticaudata** (WALLEY, 1925): *Canadian Entomologist* **57**: 277 (*Tanypus*). Type-locality: {Canada} "Ottawa Golf Club, Que." [= Québec]. — Distr.: **NE**: Canada (Alberta, Ontario, Québec, Saskatchewan), U.S.A. (Florida, Georgia, Kansas, Michigan, New York, North Carolina, Ohio, Pennsylvania, South Carolina).

*gigas* (BECK & BECK, 1966): *Bulletin of the Florida State Museum Biological Sciences* **10**: 347 (*Conchapelopia*). Type-locality: [U.S.A.] "Clay County, Florida, Peter's Creek".

**pilicaudata** (WALLEY, 1925): *Canadian Entomologist* **57**: 277 (*Tanypus*). Type-locality: {Canada} "Ottawa, Ont." [= Ontario]. — Distr.: **NE**: Canada (New Brunswick, Northwest Territories, Ontario, Québec), U.S.A. (New York, North Carolina).

Genus **HUDSONIMYIA** ROBACK

**HUDSONIMYIA** ROBACK, 1979: *Proceedings of the Academy of Natural Sciences of Philadelphia* **131**: 1. Type-species: *Hudsonimyia karelena* Roback, 1979, by original designation.

**karelena** ROBACK, 1979: *Proceedings of the Academy of Natural Sciences of Philadelphia* **131**: 3 (*Hudsonimyia*). Type-locality: [U.S.A.] "Rock outcrops near Jocassee Dam, Route SC 413, 8 mi NW Salem, Oconee Co., South Carolina". — Distr.: **NE**: U.S.A. (Georgia, New York, North Carolina, South Carolina, Tennessee).

**parrishi** CALDWELL & SOPONIS, 1983: *Florida Entomologist* **65**: 507 (*Hudsonimyia*). Type-locality: [U.S.A.] "Millrock Branch at Haralson Mill Road 83°57'24"N, 30°45'41"W, Rockdale County, Georgia". — Distr.: **NE**: U.S.A. (Georgia).

Genus **KRENOPELOPIA** FITTKAU

**KRENOPELOPIA** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**:

262. Type-species: *Chironomus binotatus* Wiedemann, 1817, by original designation.

**alba** (TOKUNAGA, 1937): *Philippine Journal of Science* **62**: 49 (*Pentaneura*). Type-locality: {Japan, Honshu} “Mount Atago, Kyoto”. Senior primary homonym of *Pentaneura alba* Roback, 1957. — Distr.: **PA**: Japan.

**batuensis** (FREEMAN, 1962): *Pacific Insects* **4**: 129 (*Pentaneura*). Type-locality: [Malaysia] “Malaya, Batu Caves, Cavern C”. — Distr.: **OR**: Malaysia. **Comb. nov.** [Note]

**binotata** (WIEDEMANN, 1817): *Zoologisches Magazin, Kiel* **1**: 65: (*Chironomus*; originally as “*Chironomus*”). Type-locality: [Germany] “bei Kiel”. — Distr.: **PA**: Algeria, Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Greece, Hungary, Ireland, Italy, Latvia, Lebanon, Lithuania, Netherlands, Norway, Poland, Romania, Russia (CET, NET, East Siberia), Slovakia, Sweden, Switzerland, Turkey.

*minima* (KIEFFER, 1913): *Bulletin de la Société d'Histoire Naturelle de Metz* **28**: 11 (*Pelopia*). Type-locality: {Allemagne} “dans une source, Sauerland”.

*inconspicua* (KIEFFER in THIENEMANN & KIEFFER, 1916): *Archiv für Hydrobiologie Supplement* **2**: 522 (*Pelopia*; in footnote, as nom. nov. for *minima* Kieffer, 1913, nec *minima* Kieffer, 1911, when both in *Pelopia*). **Syn. nov.** [Note]

*inconspicua* (KIEFFER, 1917): *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 203 (*Tanypus*; as nom. nov. for *minimus* Kieffer, 1913, nec *minimus* Kieffer, 1911, when both in *Tanypus*). **Syn. nov.** Junior primary homonym of *Tanypus inconspicuus* Malloch, 1915 (see *Pentaneura*). [Note]

*ariasi* (KIEFFER, 1921): *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **40**: 296 (*Tanypus*; as “*Ariasi*”). Type-locality: [Latvia] “environs de Libau, en Courlande” [Libau = Liepaja].

**hudsoni** ROBACK, 1983: *Proceedings of the Academy of Natural Sciences of Philadelphia*

**135:** 254 (*Krenopelopia*). Type-locality: {United States} “Small stream entering Jocassee Reservoir, Oconee Co., SC” [= South Carolina]. — Distr.: **NE:** U.S.A. (Georgia, Michigan, Pennsylvania, South Carolina, Tennessee, Vermont).

**narda** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 274 (*Krenopelopia*). Type-locality: [U.S.A.] “Alaska — Anchorage, Girdwood Hwy.”. — Distr.: **NE:** U.S.A. (Alaska, ?Oregon).

**nigropunctata** (STAEGER, 1839): *Naturhistorisk Tidsskrift* (1) **2**: 589 (*Tanypus*). Type-locality: [in title] “Danmark”. — Distr.: **PA:** Austria, Belgium, Canary Islands, Czech Republic, Denmark, Finland, France, Germany, Great Britain, ?Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Netherlands, Norway, Portugal, Romania, Spain, Sweden, Switzerland, Turkey.

*nigropunctata*: **Not Nearctic.**

sp.: RUIZ-MORENO, OSPINA-TORRES, GÓMEZ-SIERRA & RISS, 2000: *Caldasia* **22**(1): 41 (*Krenopelopia*). Locality: {Colombia} “en las aguas corrientes de la sabana de Bogotá y sus montañas circundantes” [= in streams of the Sabana de Bogotá and surrounding mountains]. — Distr.: **NT:** Colombia. [**Note**]

#### Genus **LABRUNDINIA** FITTKAU

**LABRUNDINIA** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 372.

Type-species: *Tanypus longipalpis* Goetghebuer, 1921, by original designation.

**becki** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 279 (*Labrundinia*). Type-locality: [U.S.A.] “Florida — Tucker”. — Distr.: **NE:** U.S.A. (Florida, Georgia, Kentucky, Mississippi, North Carolina, Oklahoma, Pennsylvania, South Carolina, Tennessee, Virginia).

**fera** ROBACK, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**: 218 (*Labrundinia*). Type-locality: “Laguna Mozambique, 16km SW of Puerto Lopez, dept. del Meta, Colombia”. — Distr.: **NT:** Colombia.

**fosteri** ROBACK, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia*

**139:** 218 (*Labrundinia*). Type-locality: “Laguna Mozambique, 16km SW of Puerto Lopez, dept. del Meta, Colombia”. — Distr.: **NT**: Colombia.

**hirsuta** ROBACK, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia*

**139:** 221 (*Labrundinia*). Type-locality: “Laguna Mozambique, 16km SW of Puerto Lopez, dept. del Meta, Colombia”. — Distr.: **NT**: Colombia.

**johannseni** BECK & BECK, 1966: *Bulletin of the Florida State Museum Biological Sciences*

**10:** 342 (*Labrundinia*). Type-locality: [U.S.A.] “Flagler County, Florida, Rayonier Ditch”. — Distr.: **NE**: U.S.A. (Florida, Georgia, Mississippi, North Carolina, Tennessee).

**longipalpis** (GOETGHEBUER, 1921): *Mémoires du Musée Royal d’Histoire Naturelle de*

*Belgique* **8:** 66 (*Tanypus*). Type-locality: {Belgique} [p. 18] “Overmeire”. — Distr.: **PA**: Belgium, Denmark, Finland, Great Britain, Netherlands, Norway, Romania, Russia (CET), Sicily, Slovakia, Sweden, Ukraine. [**Note**]

**maculata** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia*

**17:** 278 (*Labrundinia*). Type-locality: [U.S.A.] “California — Riverside”. — Distr.: **NT**: Trinidad; **NE**: Mexico (Coahuila), U.S.A. (California, Florida, Georgia, Kansas, New Mexico, North Carolina, Texas).

**meta** ROBACK, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia* **139:**

220 (*Labrundinia*). Type-locality: “Laguna Mozambique, 16km SW of Puerto Lopez, dept. del Meta, Colombia”. — Distr.: **NT**: Colombia.

**neopilosella** BECK & BECK, 1966: *Bulletin of the Florida State Museum Biological*

*Sciences* **10:** 341 (*Labrundinia*). Type-locality: [U.S.A.] “Flagler County, Florida, Rayonier Ditch”. — Distr.: **NE**: U.S.A. (Alabama, Florida, Georgia, Kentucky, Mississippi, Nebraska, New Jersey, New York, North Carolina, South Carolina, Tennessee).

**opela** ROBACK, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia*

**139:** 218 (*Labrundinia*). Type-locality: “Laguna Mozambique, 16km SW of Puerto Lopez, dept. del Meta Colombia”. — Distr.: **NT**: Colombia.

**parabecki** ROBACK, 1987: *Proceedings of the Academy of Natural Sciences of*

*Philadelphia* **139**: 215 (*Labrundinia*). Type-locality: “Laguna Mozambique, 16km SW of Puerto Lopez, dept. del Meta, Colombia”. — Distr.: **NT**: Colombia.

**pilosella** (LOEW, 1866): *Berliner Entomologische Zeitschrift* **10**: 5 (*Tanypus*). Type-locality: [U.S.A.] “District Columbia” [Lectotype male designated in Roback, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 276]. — Distr.: **NT**: Mexico (#), Puerto Rico, Trinidad, Venezuela; **NE**: Canada (British Columbia, Manitoba, Northwest Territories, Ontario, Québec, Saskatchewan), U.S.A. (Alabama, Alaska, Arizona, California, District of Columbia, Florida, Georgia, Illinois, Iowa, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Michigan, Mississippi, Nebraska, New Hampshire, New Mexico, New York, North Carolina, Pennsylvania, South Carolina, Tennessee, Texas, Virginia, Wyoming).

*floridana* BECK & BECK, 1966: *Bulletin of the Florida State Museum Biological Sciences* **10**: 339 (*Labrundinia*). Type-locality: [U.S.A.] “Clay County, Florida, Peter’s Creek”.

**separata** (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 252 (*Pentaneura*). Type-locality: [Argentina] “L. Nahuel Huapi, eastern end”. — Distr.: **NT**: Argentina.

**tenata** ROBACK, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**: 214 (*Labrundinia*). Type-locality: “Laguna Mozambique, 16km. S.W. of Puerto Lopez, dept. del Meta, Colombia”. — Distr.: **NT**: Colombia.

**virescens** BECK & BECK, 1966: *Bulletin of the Florida State Museum Biological Sciences* **10**: 341 (*Labrundinia*). Type-locality: [U.S.A.] “Leon County, Florida, Boliek’s Pond”. — Distr.: **NE**: U.S.A. (Florida, Georgia, Pennsylvania, Texas).

sp.: HARRISON & RANKIN, 1976: *Archiv für Hydrobiologie Supplement* **50**: 296 (Table 9 facing page 296) (*Labrundinia*). Locality: “St. Vincent”. — Distr.: **NT**: St. Vincent.

sp.: FITTKAU & ROBACK, 1983: *Entomologica Scandinavica Supplement* **19**: 55

(*Labrundinia*). Locality: “Sumatra, Indonesia”. — Distr.: **OR**: Indonesia (Sumatra).

sp. 1: DONATO, MASSAFERRO & BROOKS, 2008: *Revista de la Sociedad Entomologica Argentina* **67**: 165 (*Labrundinia*). Locality: “Nahuel Huapi National Park, Patagonia, Argentina”. — Distr.: **NT**: Argentina.

Genus **LARSIA** FITTKAU

**LARSIA** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 339. Type-species: *Ablabesmyia atrocincta* Goetghebuer, 1942, by original designation.

**africana** LEHMANN, 1979: *Spixiana Supplement* **3**: 16 (*Larsia*). Type-locality: [Democratic Republic of the Congo] “Kivu-See-Gebiet, Zaïre (. . . Kalengo)”. — Distr.: **AF**: D. R. Congo, Ethiopia.

**albiceps** (JOHANNSEN, 1932): *Archiv für Hydrobiologie Supplement* **9**: 499 (*Pentaneura*). Type-locality: [Indonesia] {Dutch East Indies} “rock pool in the out-let from Lake Ranau, Sumatra”. — Distr.: **OR**: Indonesia (Java, Sumatra); **AU**: Australia (Northern Territory, Queensland).

**atrocincta** (GOETGHEBUER, 1942): *Bulletin du Musée Royal d’Histoire Naturelle de Belgique* **18** (46): 9 (*Ablabesmyia*). Type-locality: “Lunzer Untersee (Autriche)” [= Austria]. — Distr.: **PA**: Algeria, Austria, Belgium, Corsica, France, Germany, Great Britain, Ireland, Italy, Morocco, Spain. [**Note**]

*acroincta*: unjustified emendation.

**berneri** BECK & BECK, 1966: *Bulletin of the Florida State Museum Biological Sciences* **10**: 350 (*Larsia*). Type-locality: [U.S.A.] “Leon County, Florida, Boliek’s Pond”. — Distr.: **NE**: U.S.A. (Florida, Georgia, Minnesota).

**canadensis** BILYJ, 1984: *Canadian Journal of Fisheries and Aquatic Sciences* **41**: 663 (*Larsia*). Type-locality: {Canada} “Dog Bone Is., Southern Indian Lake, Man. (56°54’N, 99°00’W)” [Man. = Manitoba]. — Distr.: **NE**: Canada (Alberta, Manitoba, New Brunswick, Newfoundland, Northwest Territories, Ontario, Québec, ?Saskatchewan, Yukon Territory), U.S.A. (Alaska, Michigan,

Minnesota, New Hampshire, New York, Ohio, South Carolina, West Virginia).

**curticalcar** (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 181 (*Tanypus* (*Tanypus*)).

Type-locality: [Czech Republic] “Böhmen”. — Distr.: **PA**: Bulgaria, Czech Republic, Estonia, France, Germany, Great Britain, Ireland, Madeira, ?Morocco, Poland, Portugal, Romania, Russia (CET), Slovakia, Spain, Sweden, Turkey, ¶Yugoslavia.

**decolorata** (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History*

**10**: 370 (*Tanypus*). Type-locality: [U.S.A.] “Thompson’s Lake, Havana, Ill.” [= Illinois]. — Distr.: **NE**: U.S.A. (California, Florida, Georgia, Illinois, Kansas, Louisiana, Michigan, New York, Ohio, Tennessee, Wisconsin).

*lurida* BECK & BECK, 1966: *Bulletin of the Florida State Museum Biological Sciences* **10**: 351 (*Larsia*). Type-locality: [U.S.A.] “Leon County, Florida, roadside pond”.

**exigua** HARRISON, 1978: *Journal of the Entomological Society of Southern Africa* **41**: 68

(*Larsia*). Type-locality: [Zimbabwe] “Munwahuku Stream, Chindomora, RHODESIA”. — Distr.: **AF**: South Africa, Zimbabwe.

**fittkau** SUBLETTE & SASA, 1994: *Spixiana Supplement* **20**: 3 (*Larsia*). Type-locality:

{Guatemala} “Barretal”. — Distr.: **NT**: Guatemala, Nicaragua.

**indistincta** BECK & BECK, 1966: *Bulletin of the Florida State Museum Biological Sciences*

**10**: 352 (*Larsia*). Type-locality: [U.S.A.] “Polk County, Florida, Green Swamp”. — Distr.: **NE**: U.S.A. (Florida). [Note]

**labartheae** SERPA-FILHO, 2005: *Entomología-y-Vectores* **12**: 295 (*Larsia*). Type-locality:

“Brazil, Rio de Janeiro, Petrópolis, Araras, Sítio Querência”. — Distr.: **NT**: Brazil.

**longipennis** (TOKUNAGA, 1937): *Philippine Journal of Science* **62**: 52 (*Pentaneura*). Type-

locality: “Honshu, Japan . . . Kibune, Kyoto”. — Distr.: **PA**: Japan. **Comb. nov.** [Note]

**lyra** (SUBLETTE, 1964): *Proceedings of the United States National Museum* **115**: 96

(*Pentaneura* (*Pentaneura*)). Type-locality: [U.S.A.] {California} “Wheeler’s

Springs, Ventura Co.”. — Distr.: **NE**: U.S.A. (California).

**marginella** (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 374 (*Tanypus*). Type-locality: [U.S.A.] “Dubois, Ill.” [= Illinois]. — Distr.: **NE**: Canada (Québec), U.S.A. (California, Illinois, Kansas).

**miyagasensis** NIITSUMA, 2001: *Species Diversity* **6**: 356 (*Larsia*). Type-locality: {Japan} “mountain stream in Miyagase, Kiyokawa Village, Kanagawa Prefecture”. — Distr.: **PA**: Japan.

**octomaculata** (FREEMAN, 1954): *Proceedings of the Royal Entomological Society (B)* **23**: 172 (*Pentaneura*). Type-locality: [South Africa] “Bergvliet”. — Distr.: **AF**: South Africa.

**ovazzai** (FREEMAN, 1956): *Bulletin of the British Museum (Natural History) Entomology* **4**: 289 (*Pentaneura (Pentaneura)*). Type-locality: “Ethiopia: Addis-Alem”. — Distr.: **AF**: Ethiopia.

**pallescens** (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 251 (*Pentaneura*). Type-locality: [Argentina] “L. Nahuel Huapi, eastern end”. — Distr.: **NT**: Argentina.

**pallidissima** (KIEFFER, 1911): *Transactions of the Linnean Society of London (2nd Series Zoology)* **14**: 364 (*Isoplastus*). Type-localities: “Seychellen. Mahé: Cascade Estate, about 800 feet and over”; “Cascade Estate, about 800-1500 feet”. — Distr.: **AF**: Seychelles.

**parva** LEHMANN, 1981: *Spixiana Supplement* **5**: 11 (*Larsia*). Type-locality: [Democratic Republic of the Congo] “Simisimi-Bach bei Kisangani, Zaire”. — Distr.: **AF**: D. R. Congo.

**planensis** (JOHANNSEN, 1946): *Journal of the New York Entomological Society* **54**: 284 (*Pentaneura*). Type-locality: [U.S.A.] “Plano, Texas”. — Distr.: **NT**: Guatemala, Mexico (#); **NE**: Canada (Ontario, Québec), U.S.A. (California, New York, Ohio, Texas, Virginia); **OC**: Hawaiian Islands.

**reissi** SUBLETTE & SASA, 1994: *Spixiana Supplement* **20**: 4 (*Larsia*). Type-locality: {Guatemala} “Rincon”. — Distr.: **NT**: Guatemala.



- rutshuruiensis** (GOETGHEBUER, 1935): *Revue de Zoologie et de Botanique Africaines* **27**: 362 (*Ablabesmyia*). Type-locality: [Democratic Republic of the Congo] “Rutshuru”. — Distr.: **PA**: Saudi Arabia; **AF**: D. R. Congo, Nigeria, South Africa, Zimbabwe.
- sequoiaensis** (SUBLETTE, 1964): *Proceedings of the United States National Museum* **115**: 99 (*Pentaneura* (*Pentaneura*)). Type-locality: [U.S.A.] {California} “Stony Creek, Sequoia National Park”. — Distr.: **NE**: U.S.A. (California).
- teesdalei** (FREEMAN, 1955): *Bulletin of the British Museum (Natural History) Entomology* **4**: 26 (*Pentaneura* (*Pentaneura*)). Type-locality: “Kenya : . . . Kitui”. — Distr.: **PA**: Saudi Arabia; **AF**: Cameroon, Kenya, Senegal, Zimbabwe.
- uniformis** (GOETGHEBUER, 1935): *Revue de Zoologie et de Botanique Africaines* **27**: 363 (*Ablabesmyia*). Type-locality: [Democratic Republic of the Congo] “Escarpement Kabasha : Chambi”. — Distr.: **AF**: Burkina Faso, D. R. Congo, ?Nigeria, Zimbabwe.
- sp.: ROBACK, 1982: *Proceedings of the Academy of Natural Sciences of Philadelphia* **134**: 105 (*Larsia*). Locality: {Australia} “Northern Territory . . . Coonjimba Lagoon, Jabiru East”. — Distr.: **AU**: Australia (Northern Territory).
- sp.: HARRISON & RANKIN, 1976: *Archiv für Hydrobiologie Supplement* **50**: 296 (Table 9 facing page 296) (*Larsia*). Locality: “St. Vincent”. — Distr.: **NT**: St. Vincent.
- sp.: ROBACK & COFFMAN, 1989: *Proceedings of the Academy of Natural Sciences of Philadelphia* **141**: 92 (*Larsia*). Localities: {India, Tamil Nadu} “IN15” [= “Kallar? River, 4th order, at base of Nilgiri Hills”]; “IN19” [= “3rd order stream at Ayyanar Falls near Rajapalayam, along eastern edge of Southern Ghats (Cardamom Hills), tributary of the Vaippar River”]. — Distr.: **OR**: India (Tamil Nadu).
- sp.: ASHE, 1990: *Insects and the rain forests of South East Asia (Wallacea)*: 267 (*Larsia*). Locality: [Indonesia] “Sulawesi”. — Distr.: **OR**: Indonesia (Sulawesi).
- sp.: RUIZ-MORENO, OSPINA-TORRES, GÓMEZ-SIERRA & RISS, 2000: *Caldasia* **22**(1): 45 (*Larsia*). Locality: {Colombia} “en las aguas corrientes de la sabana de

Bogotá y sus montañas circundantes” [= in streams of the Sabana de Bogotá and surrounding mountains]. — Distr.: **NT**: Colombia.

**Nomina dubia probably in LARSIA**

*okadai* (TOKUNAGA, 1938): *Philippine Journal of Science* **65**: 315 (*Pentaneura*). Type-locality: “Honshu, Japan . . . Yuno-Mine-Onsen, Wakayama Prefecture”.

[**Note**]

Genus **LAUROTANYPUS** OLIVEIRA, MESSIAS  
& SILVA-VASCONCELOS

**LAUROTANYPUS** OLIVEIRA, MESSIAS & SILVA-VASCONCELOS, 1992: *Memórias do Instituto Oswaldo Cruz* **87** (Supplement 1): 161. Type-species: *Laurotanypus travassosi* Oliveira, Messias & Silva-Vasconcelos, 1992, by original designation.

**travassosi** OLIVEIRA, MESSIAS & SILVA-VASCONCELOS, 1992: *Memórias do Instituto Oswaldo Cruz* **87** (Supplement 1): 161 (*Laurotanypus*). Type-locality: “Surumu, . . . Roraima, Brazil”. — Distr.: **NT**: Brazil.

Genus **LEPIDOPELOPIA** HARRISON

**LEPIDOPELOPIA** HARRISON, 1970: *Journal of the Entomological Society of Southern Africa* **33**: 296. Type-species: *Ablabesmyia annulator* Goetghebuer, 1935, by original designation.

**annulator** (GOETGHEBUER, 1935): *Revue de Zoologie et de Botanique Africaines* **27**: 357 (*Ablabesmyia*). Type-locality: [Democratic Republic of the Congo] “Escarpement Kabasha : Chambi”. — Distr.: **AF**: D. R. Congo, Ghana, Tanzania.

Genus **LOBOMYIA** NIITSUMA

**LOBOMYIA** NIITSUMA, 2007: *Japanese Journal of Systematic Entomology* **13**: 105. Type-species: *Lobomyia immaculata* Niitsuma, 2007, by original designation.

**immaculata** NIITSUMA, 2007: *Japanese Journal of Systematic Entomology* **13**: 107 (*Lobomyia*). Type-locality: {Japan} “a fontal stream in Ikawa, Shizuoka City, Shizuoka Prefecture”. — Distr.: **PA**: Japan.

*immaculate*: incorrect original spelling.

Genus **MACROPELOPIA** THIENEMANN

**MACROPELOPIA** THIENEMANN in THIENEMANN & KIEFFER, 1916: *Archiv für Hydrobiologie Supplement* **2**: 497. Type-species: *Isoplas[t]us bimaculatus* Kieffer, 1909 [= *Tanypus nebulosus* Meigen, 1804], by original designation.

**adaucta** KIEFFER in THIENEMANN & KIEFFER, 1916: *Archiv für Hydrobiologie Supplement* **2**: 496 (*Macropelopia (Pelopia)*). Type-locality: {Sweden} “Quelloch (9°) oberhalb des Kalkofens vor Tinkarp”. — Distr.: **PA**: Austria, Belgium, Czech Republic, Denmark, Finland, France, Georgia, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Japan, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET), Slovakia, Spain, Sweden; **OR**: Japan (Ryukyu Archipelago).

*goetghebueri* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 168 (*Tanypus (Macropelopia)*); as “*Göthgebueri*”; as nom. nov. for *Tanypus signatus* sensu Goetghebuer, 1911 nec Zetterstedt, 1850). Type-locality: “Belgien” || ► Type-localities: {Belgique} “Gand”; “Bruxelles” in Goetghebuer, 1911: *Annales de la Société entomologique de Belgique* **55**: 105 ◀ ||. [Note]

*Göthgebueri*: incorrect original spelling.

*imberbis* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 178 (*Tanypus (Macropelopia)*). Type-locality: [Czech Republic] “Böhmen”.

*aeruginosa* KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 101 (*Macropelopia*). Type-locality: [Czech Republic] “Bohème : étang de Schoberteich”.

**amplituberculata** HAZRA & CHAUDHURI, 2002: *Aquatic Insects* **23**: 298 (*Macropelopia*). Type-locality: {India} “West Bengal, Mirik”. — Distr.: **OR**: India (West

Bengal).

**decedens** (WALKER, 1848): *List of the Specimens of Dipterous Insects*: 22 (*Tanypus*). Type-locality: [Canada, Ontario] “St. Martin’s Falls, Albany River, Hudson’s Bay”. — Distr.: **NE**: Canada (British Columbia, Ontario, Québec, Saskatchewan), U.S.A. (Colorado, Florida, Kentucky, Maine, Massachusetts, Michigan, Mississippi, New Hampshire, North Carolina, Ohio, Pennsylvania, Rhode Island, Tennessee, Utah, Wyoming).

*hirtipennis* (LOEW, 1866): *Berliner Entomologische Zeitschrift* **10**: 5 (*Tanypus*). Type-locality: [U.S.A.] “Maine”.

*brunnea* (ROBACK, 1955): *Notulae Naturae* **270**: 2 (*Anatopynia* (*Psectrotanypus*)). Type-locality: [U.S.A.] “Intervale Farm, Concord, Massachusetts”. **Preoccupied.** Junior primary homonym of *Anatopynia brunnea* Edwards, 1931).

*dena* (ROBACK in SUBLETTE & SUBLETTE, 1965): *United States Department of Agriculture Handbook* **276**: 145 (*Anatopynia* (*Psectrotanypus*)); as nom. nov. for *Anatopynia* (*Psectrotanypus*) *brunnea* Roback, 1955 nec *Anatopynia brunnea* Edwards, 1931.

**fehlmanni** (KIEFFER, 1912): *Zeitschrift für Wissenschaftliche Insektenbiologie* **8**: 174 (*Pelopia*; as “*Fehlmanni*”). Type-locality: [Switzerland] “Luganer See”. — Distr.: **PA**: Austria, Germany, Iceland, Italy, Switzerland.

**fittkaii** FERRARESE & CERETTI, 1987: *Entomologica Scandinavica Supplement* **29**: 167 (*Macropelopia*). Type-locality: “Italy, National Park of Stelvio, S. Apollonia (province of Brescia)”. — Distr.: **PA**: Austria, Germany, Italy, Switzerland.

**japonica** (TOKUNAGA, 1937): *Philippine Journal of Science* **62**: 41 (*Anatopynia*). Type-locality: “Honshu, Japan . . . Hachijo, Kyoto”. — Distr.: **PA**: Japan

**kibunensis** (TOKUNAGA, 1937): *Philippine Journal of Science* **62**: 41 (*Anatopynia*). Type-locality: “Honshu, Japan . . . Kibune, Kyoto”. — Distr.: **PA**: Japan; **OC**: Bonin Islands.

*togawidea* SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural*

*Environmental Pollution Research Center* **1992**: 217 (*Macropelopia*). Type-locality: [Japan] “tributary of Toga River”.

*tomosecunda* SASA, 1993: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1993**: 58 (*Macropelopia*). Type-locality: [Japan] [page 55] “rice paddy area of Tomosaka, in the suburbs of Toyama City”.

*sukayusecunda* SASA & SUZUKI, 1998: *Tropical Medicine* **40**: 31 (*Macropelopia*). Type-locality: {Japan} “at the side of the acid hotspring in Sukayu, Aomori”.

**marmorata** (FREEMAN, 1955): *Bulletin of the British Museum (Natural History) Entomology* **4**: 45 (*Anatopynia*). Type-locality: [South Africa] “Cape Province: Ceres”. — Distr.: **AF**: South Africa.

**nebulosa** (MEIGEN, 1804): *Klassifikation und Beschreibung der europäischen zweiflügligen insekten* **1**: 21 (*Tanypus*). Type-locality: [Title] “europäischen” [= European]. Senior primary homonym of *Tanypus nebulosus* (Meigen, 1804: 23) (a synonym of *Natarsia punctata* (Fabricius, 1805)). — Distr.: **PA**: Algeria, Austria, Azores, Belgium, Bulgaria, Canary Islands, China (Liaoning, Ningxia), Crete, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Japan, Kaliningrad, Lebanon, Luxembourg, Macedonia, Madeira, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, East Siberia), Sicily, Slovakia, Spain, Sweden, Switzerland, Turkey; **OR**: India (Sikkim, West Bengal). [**Note**]

*littoralis* (MEIGEN, 1804): *Klassifikation und Beschreibung der europäischen zweiflügligen insekten* **1**: 22 (*Tanypus*). Type-locality: [Title] “europäischen” [= European].

*maculatus* (MACQUART, 1826): *Recueil des Travaux de la Société d'Amateurs des Sciences, de l'Agriculture et des Arts de Lille* **1823-1824**: 187 (*Tanypus*). Type-locality: [Title] “Nord de la France”. **Syn. nov.** [**Note**]

*septemmaculatus* (KIEFFER, 1906): *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **30**: 323 (*Tanypus*). Type-locality: “Patrie : Bitche” [Patrie

= Kieffer's homeland of France].

*bimaculata* (KIEFFER, 1909): *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 43 (*Isoplastus*; as “*Isoplasus*”). Type-locality: [France] “Bitche”.

*microtoma* (KIEFFER, 1911): *Bulletin de la Société d'Histoire Naturelle de Metz* **27**: 12 (*Pelopia*; as var. of *bimaculata* Kieffer, 1909). Type-locality: [Introduction] “d'Allemagne” [= Germany].

*enhydra* (KIEFFER, 1911): *Bulletin de la Société d'Histoire Naturelle de Metz* **27**: 12 (*Pelopia*). Type-locality: [Introduction] “d'Allemagne” [= Germany].

*rhyphila* (KIEFFER, 1911): *Bulletin de la Société d'Histoire Naturelle de Metz* **27**: 12 (*Pelopia*; as var. of *Pelopia enhydra* Kieffer, 1911). Type-locality: [Introduction] “d'Allemagne” [= Germany].

*ciliatimanus* KIEFFER in THIENEMANN & KIEFFER, 1916: *Archiv für Hydrobiologie Supplement* **2**: 495 (*Macropelopia (Pelopia)*). Type-locality: {Sweden} “im Paalsjö Bäck”.

*circumscripta* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 170 (*Tanypus (Macropelopia)*). Type-locality: [Czech Republic] “Böhmen”.

*flavopilosa* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 170 (*Tanypus (Macropelopia)*). Type-locality: [Czech Republic] “Böhmen”.

*bitensis* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 170 (*Tanypus (Macropelopia)*). Type-locality: [France, Lorraine] “Bitsch” [= Bitche].

*hirtipes* KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 105 (*Macropelopia*). Type-locality: [Poland] “Silésie”.

*sigillata* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 396 (*Macropelopia*). Type-locality: “Suède” [= Sweden].

[Note]

**nipponotata** SASA & SUZUKI, 1993: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1993**: 119, 124 [118] (*Macropelopia*; erroneously given as “*tomosecunda* Sasa, 1993”). Type-locality: {Japan} “Tomosaka (Toyama)”. — Distr.: **PA**: Japan; **OR**: Japan (Ryukyu

Archipelago). [Note]

**notata** (MEIGEN, 1818): *Systematische Beschreibung* **1**: 58 (*Tanypus*). Type-locality: [Germany] “In Hessen”. — Distr.: **PA**: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Lebanon, Lithuania, Luxembourg, Netherlands, Norway, Romania, Russia (CET, West Siberia), Slovakia, Spain, Sweden, Switzerland, Turkey.

*glabridorsum* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 170 (*Tanypus* (*Macropelopia*)). Type-locality: [Czech Republic] “Böhmen: Trebitsch” [= Třebíč].

*lobatiforceps* KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **42**: 174 (*Macropelopia*). Type-locality: [Czech Republic] “Bohême : Königgrätz” [= Hradec Králové]. [Note]

*ocellata* MUELLER, 1923: *Verhandlungen der Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **73** [Preprint]: 105 (*Macropelopia*). Type-locality: [Germany] “Gotha”. Senior primary homonym of *Macropelopia ocellata* Mueller, 1924. [Note]

*ocellata* MUELLER, 1924: *Verhandlungen der Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **73**: 105 (*Macropelopia*). Type-locality: [Germany] “Gotha”. **Preoccupied**. Junior primary homonym of *Macropelopia ocellata* Mueller, 1923.

*cingulata* VIMMER, 1927: *Acta Societatis Scientiarum Naturalium Moravo-Silesiacae* **4**: 79 (*Macropelopia*). Type-locality: [Czech Republic] “Třebíč”.

**ogasasextdecima** SASA & SUZUKI, 1997: *Medical Entomology and Zoology* **48**: 342 (*Macropelopia*). Type-locality: {Japan, Ogasawara Islands} “Chichijima, at Sakaiura”. — Distr.: **OC**: Bonin Islands.

**paranebulosa** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 114 (*Macropelopia*; as “nov. spec.” [= nom. nov.] for *nebulosa* sensu Tokunaga, 1937 nec *nebulosa* Meigen, 1804). Type-locality: “Japan” || ► Type-localities:

[Japan] “Kibune, Kyoto”; “Tsuta, Aomori” in Tokunaga, 1937: *Philippine Journal of Science* **62**: 40 ◀||. — Distr.: PA: Japan, Russia (Far East).

*oyaberobusta* SASA, KAWAI & UENO, 1988: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1988**: 58 (*Macropelopia*). Type-locality: {Japan} “Oyabe River at Futomibashi, Station C-4”.

**rossaroi** LENCIONI & MARZIALI, 2005: *Italian Journal of Zoology* **72**: 318 (*Macropelopia*). Type-locality: “Italy, Noce Bianco stream catchment, Val de la Mare, 2455 m a.s.l., glacial pools”. — Distr.: PA: Italy, ?Norway.

sp.: TRIVINHO-STRIXINO & STRIXINO, 1995: *Larvas de Chironomidae (Diptera) do Estado de São Paulo*: 25 (*Macropelopia*). Locality: {Brazil} [Title] “Estado de São Paulo”. — Distr.: NT: Brazil.

#### Nomina dubia in MACROPELOPIA

*atrinervis* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 169 (*Tanypus (Macropelopia)*). Type-locality: “Ungarn” [= Austro-Hungarian Empire] || ▶ Type-locality: “Croatie: Fužine” in Kieffer, 1919: *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 148 ◀||. Senior secondary homonym of *Macropelopia atrinervis* Kieffer, 1919. [Note]

*atrinervis* KIEFFER, 1919: *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 148 (*Macropelopia*). Type-locality: “Croatie: Fužine”. Junior secondary homonym of *Tanypus (Macropelopia) atrinervis* Kieffer, 1918.

*borealis* (KIEFFER, 1915): *Zoologische Jahrbücher, Abteilung Systematik, Ökologie und Geographie der Tiere* **39**: 105 (*Pelopia*). Type-locality: {Faroes} “Sandö, Ufergeröll”.

*marginata* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 177 (*Tanypus (Macropelopia)*). Type-locality: [Czech Republic] “Böhmen”.

*variegata* VIMMER, 1927: *Acta Societatis Scientiarum Naturalium Moravo-Silesiacae* **4**: 78 (*Macropelopia*). Type-locality: [Czech Republic] “Hradec Králové”.



*zakrevskyi* GOETGHEBUER, 1929: *Encyclopédie Entomologique, B-II, Diptera* **5**: 163  
(*Macropelopia*). Type-locality: “Russie”.

Genus **MEROPELOPIA** ROBACK

**MEROPELOPIA** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 253 (as subgenus of *Arctopelopia* Fittkau, 1962). Type-species: *Ablabesmyia flavifrons* Johannsen, 1905, by original designation.

**americana** (FITTKAU, 1957): *Archiv für Hydrobiologie* **53**: 320 (*Conchapelopia*; as nom. nov. for *vitellina* sensu Johannsen, 1946 nec *vitellina* Kieffer, 1916, misidentified). Type-locality: [U.S.A.] “Amerika”; || ▶ Type-localities: [U.S.A.] “Suffield, Conn.” [=Connecticut]; “Tiffany, Col.” [= Colorado] in Johannsen, 1946: *Journal of the New York Entomological Society* **54**: 281 ◀ ||. — Distr.: **NE**: U.S.A. (Connecticut, Georgia, Kansas, New Jersey, New York, Ohio, North Carolina, South Carolina, Tennessee).

**flavifrons** (JOHANNSEN, 1905): *Bulletin of the New York State Museum* **86**: 150 (*Ablabesmyia*). Type-localities: [U.S.A.] “Ithaca, N. Y.” [= New York]; “Idaho”; “Pullman, Washington”. — Distr.: **NE**: Canada (Alberta, Québec, Saskatchewan), U.S.A. (Alaska, California, Connecticut, Florida, Georgia, Idaho, Michigan, New Hampshire, New Jersey, New York, Pennsylvania, South Carolina, Washington); **PA**: Russia (NET).

*alba* (ROBACK, 1957): *Monographs of the Academy of Natural Sciences of Philadelphia* **9**: 32 (*Pentaneura*). Type-locality: [U.S.A.] “Hammer Creek, one and a half miles south of Buffalo Springs, Pa” [= Pennsylvania]. Junior primary homonym of *Pentaneura alba* Tokunaga, 1937.

*gesta* (ROBACK in SUBLETTE & SUBLETTE, 1965): *United States Department of Agriculture Handbook* **276**: 147 (*Pentaneura* (*Pentaneura*); as nom. nov. for *Pentaneura alba* Roback, 1957 nec *Pentaneura alba* Tokunaga, 1937).

*fittkai* (BECK & BECK, 1966): *Bulletin of the Florida State Museum Biological Sciences* **10**: 348 (*Arctopelopia*). Type-locality: [U.S.A.] “Duval County,

Florida, Expressway creek”.

sp.: SUBLETTE & SASA, 1994: *Spixiana Supplement* **20**: 6 (*Meropelopia*). Locality: {Guatemala} “Guachipilan”. — Distr.: **NT**: Guatemala.

Genus **MONOPELPIA** FITTKAU

**MONOPELPIA** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 394.

Type-species: *Tanypus tenuicalcar* Kieffer, 1918, by original designation.

**boliekae** BECK & BECK, 1966: *Bulletin of the Florida State Museum Biological Sciences* **10**: 335 (*Monopelopia*). Type-locality: [U.S.A.] “Leon County, Florida, Boliek’s Pond”. — Distr.: **NT**: Colombia, Cuba; **NE**: Canada (British Columbia, Ontario.), U.S.A. (Florida, Georgia, Kentucky, Mississippi, North Carolina).

**caraguata** MENDES, MARCONDES & PINHO, 2003: *Zootaxa* **262**: 3 (*Monopelopia*). Type-locality: “Brazil, Santa Catarina State, Florianópolis (UCAD)” [= Unidade de Conservação Ambiental Desterro]. — Distr.: **NT**: Brazil; **NE**: U.S.A. (Florida).

**divergens** (JOHANNSEN, 1932): *Archiv für Hydrobiologie Supplement* **9**: 497 (*Pentaneura*). Type-locality: [Indonesia] {Dutch East Indies} “Sphagnum pool, Toba district, Sumatra”. — Distr.: **OR**: Indonesia (Java, Sumatra).

**mikeschwartzi** EPLER in EPLER & JANETZKY, 1999: *Journal of the Kansas Entomological Society* **71**: 218 (*Monopelopia*). Type-locality: “JAMAICA Trelawny Parish, Coffee Hill near Windsor (77°41'15"W, 18°21'10"N), elevation about 198 m”. — Distr.: **NT**: Jamaica.

**minuta** SERPA-FILHO & OLIVEIRA, 1997: *Entomología-y-Vectores* **4**: 47 (*Monopelopia*). Type-locality: {Brazil} “Manguinhos, Rio de Janeiro, RJ”. — Distr.: **NT**: Brazil.

**pavida** HARRISON, 1978: *Journal of the Entomological Society of Southern Africa* **41**: 76 (*Monopelopia*). Type-locality: “Leidenum near Wau, S. SUDAN”. — Distr.: **AF**: Nigeria, Sudan.

**tenuicalcar** (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 182 (*Tanypus* (*Tanypus*)).

Type-locality: [Czech Republic] “Böhmen: Trebitsch” [= Třebíč]. — Distr.: **NE**: Canada (British Columbia, New Brunswick, Newfoundland, Ontario), U.S.A. (California, Florida); **PA**: Austria, Belarus, Belgium, ?Canary Islands, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Latvia, Lithuania, Moldova, Netherlands, Norway, Poland, Romania, Russia (CET), Sicily, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey.

*hesseana* (KIEFFER, 1915): *Brotéria, Série Zoológica* **13**: 68 (*Pelopia*). Type-locality: “Frankreich (Grenoble”.

*brevitibialis* (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8**: 66 (*Tanypus*). Type-localities: {Belgique} [p. 19] “à Heusden et à Gand”.

? *ferruginicollis* (MEIGEN, 1818): *Systematische Beschreibung* **1**: 64 (*Tanypus*). Type-localities: [Germany] “in Hessen”; [France] “in Grase” [= Grasse]. **Questionable synonym.**

**tillandsia** BECK & BECK, 1966: *Bulletin of the Florida State Museum Biological Sciences* **10**: 336 (*Monopelopia*). Type-locality: [U.S.A.] “Indian River County, Florida, Vero Beach”. — Distr.: **NE**: U.S.A. (Florida, Kentucky, Mississippi, North Carolina).

sp. 1: ROBACK, 1986: *Proceedings of the Academy of Natural Sciences of Philadelphia* **138**: 360 (*Monopelopia*). Locality: “COLOMBIA: . . . Laguna Mozambique (at light), Hacienda Mozambique, 16 km SW Puerto Lopez, Dept. del Meta”. — Distr.: **NT**: Colombia.

sp. 2: ROBACK, 1986: *Proceedings of the Academy of Natural Sciences of Philadelphia* **138**: 361 (*Monopelopia*). Locality: “COLOMBIA; . . . Laguna Mozambique, Hacienda Mozambique, 16 km SW of Puerto Lopez, Dept. del Meta”. — Distr.: **NT**: Colombia.

sp. 3: ROBACK, 1986: *Proceedings of the Academy of Natural Sciences of Philadelphia* **138**:

364 (*Monopelopia*). Locality: “COLOMBIA: . . . Laguna Mozambique, Hacienda Mozambique, 16 km SW of Puerto Lopez, Dept. Del Meta”. — Distr.: **NT**: Colombia.

sp. 4: ROBACK, 1986: *Proceedings of the Academy of Natural Sciences of Philadelphia* **138**: 364 (*Monopelopia*). Locality: “COLOMBIA: . . . Laguna Mozambique, Hacienda Mozambique, 16 km SW of Puerto Lopez, Dept. del Meta”. — Distr.: **NT**: Colombia.

sp.: ASHE, 1990: *Insects and the rain forests of South East Asia (Wallacea)*: 267 (*Monopelopia*). Locality: [Indonesia] “Sulawesi”. — Distr.: **OR**: Indonesia (Sulawesi).

sp.: EPLER in EPLER & JANETZKY, 1999: *Journal of the Kansas Entomological Society* **71**: 222 (*Monopelopia*). Locality: “U.S. Southeast Coastal Plain in Florida and Georgia”. — Distr.: **NE**: U.S.A. (Florida, Georgia).

sp.: CRANSTON, 2001: *Electronic guide to the Chironomidae of Australia*: 16(*Monopelopia*). Localities: {Australia} [New South Wales, Victoria] “River Murray billabongs between Ryans and Red Tank”. — Distr.: **AU**: Australia (New South Wales, Victoria).

sp.: CRANSTON, 2007: *Annals of the Entomological Society of America* **100**: 621 (*Monopelopia*). Locality: “Puerto Rico, Municipio Ponce, west of Divisoria, Reserva Forestal Toro Negro, Highway 143 between 20.4- and 20.5-km markers, 18°9.52'N 66°33.86'W, 1,200 m asl”. — Distr.: **NT**: Puerto Rico.

#### Genus **NAELOTANYPUS** ROBACK

**NAELOTANYPUS** ROBACK, 1982: *Proceedings of the Academy of Natural Sciences of Philadelphia* **134**: 135. Type-species: *Naelotanypus viridis* Roback, 1982, by original designation.

**viridis** ROBACK, 1982: *Proceedings of the Academy of Natural Sciences of Philadelphia* **134**: 135 (*Naelotanypus*). Type-locality: “Hacienda Mozambique 16 km SW Puerto Lopez, Dept. del Meta, Colombia”. — Distr.: **NT**: Colombia, Surinam.

Genus **NATARSIA** FITTKAU

**NATARSIA** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 151.

Type-species: *Chironomus punctatus* Fabricius, 1805, by original designation. [Note]

**baltimorea** (MACQUART, 1855): *Mémoires de la Société des Sciences, de l'Agriculture et des Arts de Lille* (2) **1**: 35 (*Tanypus*; as “*Ternipus*”). Type-locality: [U.S.A., Maryland] “De Baltimore”. — Distr.: **NE**: Canada (Northwest Territories, Ontario), U.S.A. (Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Maryland, Michigan, Nebraska, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, Tennessee, Virginia, Washington, Wisconsin).

*fastuosa* (JOHANNSEN, 1905): *Bulletin of the New York State Museum* **86**: 153 (*Ablabesmyia*). Type-localities: [U.S.A.] [p. 153, larva] “Eddy pond, Ithaca, N. Y.” [= New York]; [p. 154, imago] “Ithaca, N. Y.” [= New York]; “Michigan”; “Pullman, Wash.” [= Washington].

**miripes** (COQUILLET, 1905): *Journal of the New York Entomological Society* **13**: 65 (*Tanypus*). Type-locality: [U.S.A.] “Eureka, Cal.” [= California]. — Distr.: **NE**: U.S.A. (California).

**nugax** (WALKER, 1856): *Insecta Britannica, Diptera* **3**: 186 (*Chironomus*). Type-locality: “(E.)” [= England]. — Distr.: **PA**: Austria, Belgium, China (Inner Mongolia), Czech Republic, France, Germany, Great Britain, Hungary, Ireland, Italy, Romania, Russia (CET, Far East, West Siberia); **OR**: China (Fujian, Guizhou), Taiwan.

*curvinervis* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 168 (*Tanypus* (*Macropelopia*)). Type-locality: “Italien” || ▶ Type-locality: “Italie septentrionale: Suse” in Kieffer, 1919: *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 146 ◀ ||. Senior secondary homonym of *Macropelopia curvinervis* Kieffer, 1919.

*curvinervis* (KIEFFER, 1919): *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 146 (*Macropelopia*). Type-locality: “Italie septentrionale: Suse”.

Junior secondary homonym of *Tanypus (Macropelopia) curvinervis* Kieffer, 1918.

*subtenuis* (KIEFFER, 1918): *Entomologische Mitteilungen* 7: 177 (*Tanypus (Macropelopia)*). Type-locality: “Ungarn” [= Austro-Hungarian Empire] || ► Type-locality: “Hongrie: Munkács” [= Munkačevo, in Slovakia] in Kieffer, 1919: *Annales Historico-Naturales Musei Nationalis Hungarici* 17: 150 ◄ ||.

[Note]

*subtenuis* (KIEFFER, 1919): *Annales Historico-Naturales Musei Nationalis Hungarici* 17: 150] (*Macropelopia*). Type-locality: “Hongrie: Munkács” [= Munkačevo, in Slovakia].

*rectinervis* (KIEFFER, 1918): *Entomologische Mitteilungen* 7: 169 (*Tanypus (Macropelopia)*). Type-locality: “Ungarn” [= Austro-Hungarian Empire] || ► Type-locality: “Hongrie: Orsova” [Orsova now in Romania] in Kieffer, 1919: *Annales Historico-Naturales Musei Nationalis Hungarici* 17: 145 ◄ ||.

Senior secondary homonym of *Macropelopia rectinervis* Kieffer, 1919. [Note]

*rectinervis* (KIEFFER, 1919): *Annales Historico-Naturales Musei Nationalis Hungarici* 17: 145 (*Macropelopia*). Type-locality: “Hongrie: Orsova” [Orsova now in Romania]. Junior secondary homonym of *Tanypus (Macropelopia) rectinervis* Kieffer, 1918.

*flavipubens* (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* 8: 65 (*Tanypus*). Type-localities: {Belgique} [p. 187] “Melle (B. B.)” [= Basse Belgique]; “forêt de Soignes (M. B.)” [= Moyenne Belgique]. [Note]

**punctata** (FABRICIUS, 1805): *Systema antliatorum*: 43 (*Chironomus*). Type-locality: [Denmark] “Hafniae” [= Copenhagen]. — Distr.: PA: Austria, Belgium, Corsica, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Japan, Kaliningrad, Lithuania, Luxembourg, Moldova, Norway, Poland, Romania, Russia (CET, NET, Far East), Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey; ¶Yugoslavia. [Note]

*nebulosa* (MEIGEN, 1804): *Klassifikation und beschreibung der europäischen zweiflügligen insekten* **1**: 23 (*Tanypus*). Type-locality: [Title] “europäischen” [= European]. **Preoccupied**. Junior primary homonym of *Tanypus nebulosus* (Meigen, 1804: 21), a valid species of *Macropelopia* Thienemann. [Note]

*fulva* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 169 (*Tanypus* (*Macropelopia*)). Type-locality: [Czech Republic] “Böhmen: Trebitsch” [= Třebíč].

*tenuiventris* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 168 (*Tanypus* (*Macropelopia*)). Type-localities: “Deutschland”; “Ungarn” [= Austro-Hungarian Empire] || ► Type-localities: “Hongrie: Budapest”; [Romania] “Kolozsvár” [= Cluj]; [Hungary] “Leányfalu”; “Allemagne” [= Germany] in Kieffer, 1919: *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 148 ◀ ||. Senior primary homonym of *Tanypus tenuiventris* Kieffer, 1919. [Note]

*tenuiventris* (KIEFFER, 1919): *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 148 (*Tanypus*). Type-localities: “Hongrie: Budapest”; [Romania] “Kolozsvár” [= Cluj]; [Hungary] “Leányfalu”; “Allemagne” [= Germany]. **Preoccupied**. Junior primary homonym of *Tanypus* (*Macropelopia*) *tenuiventris* Kieffer, 1918.

*calyptera* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 168 (*Tanypus* (*Macropelopia*)). Type-locality: Not given.

**qinlingica** CHENG & WANG, 2006: *Zootaxa* **1111**: 63 (*Natarsia*). Type-locality: “CHINA: Shaanxi Province, Fengxian County, Qinling”. — Distr.: **PA**: China (Shaanxi).

**tokunagai** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 114 (*Macropelopia*; as “nov. spec.” [= nom. nov.] for *goetghebueri* sensu Tokunaga, 1937 nec *goetghebueri* Kieffer, 1918). Type-locality: “Japan”; || ► Type-localities: [Japan] “Kyoto: Shimogamo . . . and Miyake-Hachiman” in Tokunaga, 1937: *Philippine Journal of Science* **62**: 39-40 ◀ ||. — Distr.: **PA**: Japan, Russia (Far East).

*tokunagaia*: incorrect subsequent spelling.

*kurobefasciata* (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 63 (*Krenopelopia*).

Type-locality: [Japan] “Sennin Dam”.

*inawaquerea* (SASA, KITAMI & SUZUKI, 2000): *Memoirs of the Museum of Dr. Hideyo Noguchi*: 22 (*Zavrelimyia*). Type-locality: [page 2, Introduction] [Japan] “Lake Inawashiro . . . Aizu basin, Fukushima Prefecture, northern Honshu”.

*inawafegea*: incorrect original spelling.

#### Genus NILOTANYPUS KIEFFER

**NILOTANYPUS** KIEFFER, 1923: *Annales de la Société Entomologique de France* **92**: 191.

Type-species: *Nilotanypus remotissimus* Kieffer, 1923, by monotypy.

**americanus** BECK & BECK, 1966: *Bulletin of the Florida State Museum Biological Sciences* **10**: 345 (*Nilotanypus*). Type-locality: [U.S.A.] “Clay County, Florida, Peter’s Creek”. — Distr.: **NE**: U.S.A. (Florida, Georgia, North Carolina, South Carolina).

**comatus** (FREEMAN, 1953): *Proceedings of the Royal Entomological Society (B)* **22**: 129 (*Pentaneura*). Type-locality: [South Africa] “Berg River, Piquetberg”. — Distr.: **AF**: Burkina Faso, Chad, D. R. Congo, Ethiopia, Guinea, Madagascar, Mali, Nigeria, Senegal, South Africa, Togo, Uganda, Zimbabwe.

*micra* (FREEMAN, 1955): *Bulletin of the British Museum (Natural History) Entomology* **4**: 34 (*Pentaneura (Pentaneura)*). Type-locality: “Nigeria : Niger Province, Abuja”.

**dubius** (MEIGEN, 1804): *Klassifikation und beschreibung der europäischen zweiflügligen insekten* **1**: 25 (*Tanypus*). Type-locality: [Title] “europäischen” [= European]. — Distr.: **PA**: Algeria, Austria, Belgium, China (Ningxia), Corsica, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Greece, Ireland, Italy, Japan, Luxembourg, Morocco, Netherlands, Norway, Poland,



Portugal, Romania, Russia (CET, NET), Sicily, Slovakia, Spain, Sweden, Switzerland, Turkey; **OR**: ?China (Fujian).

*dubius*: **Not Nearctic**.

*pusillus* (MEIGEN, 1818): *Systematische Beschreibung* **1**: 62 (*Tanypus*). Type-locality: [Title] “europäischen” [= European].

**fimbriatus** (WALKER, 1848): *List of the Specimens of Dipterous Insects*: 20 (*Chironomus*). Type-locality: [Canada, Ontario] “St. Martin’s Falls, Albany River, Hudson’s Bay”. — Distr.: **NE**: Canada (Alberta, New Brunswick, Newfoundland, Northwest Territories, Ontario, Québec), U.S.A. (Arizona, California, Georgia, Kansas, Maryland, New Hampshire, New York, North Carolina, Pennsylvania, South Carolina, Tennessee, Vermont, Virginia, Washington).

**kansensis** ROBACK, 1986: *Proceedings of the Academy of Natural Sciences of Philadelphia* **138**: 458 (*Nilotanypus*). Type-locality: {U.S.A.} “Kansas: . . . Big Springs, Lake Scott State Park, Scott Co.”. — Distr.: **NE**: U.S.A. (Kansas).

**minutus** (TOKUNAGA, 1937): *Philippine Journal of Science* **62**: 43 (*Pentaneura*). Type-locality: “Honshu, Japan . . . Kyoto, Kibune”. — Distr.: **PA**: Japan.

**polycanthus** CHENG & WANG, 2006: *Zootaxa* **1193**: 52 (*Nilotanypus*). Type-locality: “CHINA: Fujian Province, Yongtai County”. — Distr.: **OR**: China (Fujian, Guangdong, Guizhou, Hainan, Sichuan, Yunnan).

**quadratus** CHENG & WANG, 2006: *Zootaxa* **1193**: 54 (*Nilotanypus*). Type-locality: “CHINA: Sichuan Province, Baoxin County, Xinglong Township, Xihe River”. — Distr.: **OR**: China (Sichuan).

**remotissimus** KIEFFER, 1923: *Annales de la Société Entomologique de France* **92**: 191 (*Nilotanypus*). Type-locality: “Soudan : Mongola” [Soudan = Sudan]. — Distr.: **AF**: Sudan.

sp. 1: ASHE, MURRAY & REISS, 1987: *Annales de Limnologie* **23**: 52 (*Nilotanypus*). Locality: [Brazil] “Amazon basin region”. — Distr.: **NT**: Brazil.

sp. 2: ASHE, MURRAY & REISS, 1987: *Annales de Limnologie* **23**: 52 (*Nilotanypus*). Locality: [Brazil] “Amazon basin region”. — Distr.: **NT**: Brazil.

- sp.: ASHE, MURRAY & REISS, 1987: *Annales de Limnologie* **23**: 52 (*Nilotanypus*).  
Locality: “a stream in northern Sulawesi, Indonesia”. — Distr.: **OR**: Indonesia  
(Sulawesi).
- sp.: ASHE, MURRAY & REISS, 1987: *Annales de Limnologie* **23**: 52 (*Nilotanypus*).  
Locality: [Australia] “creeks in New South Wales and Queensland”. — Distr.:  
**AU**: Australia (New South Wales, Queensland).
- sp. 1: ROBACK & COFFMAN, 1987: *Proceedings of the Academy of Natural Sciences of  
Philadelphia* **139**: 96 (*Nilotanypus*). Localities: {Nepal} “NP26” [= “Three  
small streams, tributaries of Bhurungai Khola, Nyathanti . . . 2250 m.”];  
“NP38” [= “Mountain stream, tributary of Bhurungai Khola, Ghorepani . . . alt.  
2520 m.”]. — Distr.: **OR**: Nepal.
- sp. 2: ROBACK & COFFMAN, 1987: *Proceedings of the Academy of Natural Sciences of  
Philadelphia* **139**: 97 (*Nilotanypus*). Locality: {Nepal} “NP5” [= “Bhurungai  
Khola, Birethanti, flat area . . . alt. 1046 m.”]. — Distr.: **OR**: Nepal.
- Unnamed sp.: CRANSTON & MARTIN, 1989: *Catalog of the Diptera of the Australasian  
and Oceanian Regions*: 256 (*Nilotanypus*). Localities: “Australia (NSW, NT,  
QLD)”. — Distr.: **AU**: Australia (New South Wales, Northern Territory,  
Queensland, Western Australia).
- sp.: WATSON & HEYN, 1993: *Netherlands Journal of Aquatic Ecology* **26**: 259  
(*Nilotanypus*). Locality: “Costa Rica . . . G 275 m” [= Guanacaste Province 275  
metres]. — Distr.: **NT**: Costa Rica.
- sp.: SPIES & REISS, 1996: *Spixiana Supplement* **22**: 85 (*Nilotanypus*). Locality: “Bolivia”.  
— Distr.: **NT**: Bolivia.

Genus **PARAMERINA** FITTKAU

**PARAMERINA** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 317.

Type-species: *Chironomus cingulatus* Walker, 1856, by original designation. [**Note**]

**ababae** HARRISON, 1991: *Spixiana* **14**: 64 (*Paramerina*). Type-locality: {Ethiopia} “Abo-  
Kebena River, Addis Ababa”. — Distr.: **AF**: Ethiopia.

**anomala** BECK & BECK, 1966: *Bulletin of the Florida State Museum Biological Sciences* **10**: 344 (*Paramerina*). Type-locality: [U.S.A.] “Clay County, Florida, Peter’s Creek”. — Distr.: **NE**: U.S.A. (Florida, Georgia, Kentucky, Mississippi, North Carolina); **PA**: ?Romania.

**aucta** (JOHANNSEN, 1932): *Archiv für Hydrobiologie Supplement* **9**: 498 (*Pentaneura*). Type-locality: [Indonesia] {Dutch East Indies} “pond in the Botanical Garden at Buitenzorg, West Java” [Buitenzorg = Bogor]. — Distr.: **OR**: Indonesia (Java).

*acuta*: incorrect subsequent spelling.

**cingulata** (WALKER, 1856): *Insecta Britannica, Diptera* **3**: 172 (*Chironomus*). Type-locality:[Title] “Britannica” [= Great Britain]. — Distr.: **PA**: Algeria, Azores, Belarus, Belgium, Canary Islands, China (Ningxia, Henan, Shannxi), Corsica, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Lebanon, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET), Slovakia, Spain, Sweden, Switzerland, Turkey. [**Note**]

*pygmaea* (WULP, 1874): *Tijdschrift voor Entomologie* **17**: 144 (*Tanypus*). Type-locality: [Netherlands] “Driebergsche bosch”.

*humilis* (KIEFFER, 1913): *Bulletin de la Société d’Histoire Naturelle de Metz* **28**: 13 (*Pelopia*). Type-locality: {Allemagne} “bord du Weinfelder Maar, Westphalie”.

*tetrasema* (KIEFFER, 1915): *Brotéria, Série Zoológica* **13**: 67 (*Pelopia*). Type-locality: “Frankreich (Larve in einem Teich bei Grenoble)” [Frankreich = France].

*setiger* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 183 (*Tanypus (Tanypus)*). Type-locality: [Czech Republic] “Böhmen”.

*flavoscutellata* (GOETGHEBUER, 1919): *Annales de Biologie Lacustre* **9**: 52 (*Pelopia*). Type-locality: {Belgique} “à Destelbergen (Flandre orientale)”  
 || ► Type-localities: (Belgique) [p. 19] “dans un fossé, à Destelbergen”; [p. 187] “Les Flandres”; “Virton (H. B.) [= Haute Belgique] in Goetghebuer, 1921: *Mémoires du Musée Royal d’Histoire Naturelle de Belgique* **8**: 68 ◀ ||. Senior

- secondary homonym of *Tanypus flavoscutellata* Goetghebuer, 1921. [**Note**]  
*flavoscutellata* (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8**: 68 (*Tanypus*). Type-localities: (Belgique) [p. 19] “dans un fossé, à Destelbergen”; [p. 187] “Les Flandres”; “Virton (H. B.) [= Haute Belgique]. Junior secondary homonym of *Pelopia flavoscutellata* Goetghebuer, 1919.
- atratura* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 109 (*Tanypus*). Type-locality: “Nord de l'Allemagne : lac Uckleisee”.
- divisa** (WALKER, 1856): *Insecta Britannica, Diptera* **3**: 192 (*Chironomus*). Type-locality: “(E.)” [= England]. — Distr.: **PA**: Algeria, Austria, Balearic Islands, Belarus, Belgium, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Japan, Kaliningrad, Lebanon, Netherlands, Norway, Poland, Portugal, Russia (CET), Sardinia, Slovakia, Spain, Sweden; **OR**: Japan (Ryukyu Archipelago).
- yunouresia* (SASA, 1989): *Research Report from the National Institute for Environmental Studies* **125**: 152 (*Krenopelopia*). Type-locality: {Japan} “on the shore of Lake Yunoko (Tochigi)”.
- amaminova* (SASA, 1990): *Japanese Journal of Experimental Medicine* **60**: 138 (*Krenopelopia*). Type-locality: [Nansei Islands, southern Japan] “Yakkachi River, Amami” [= Amami Island].
- okigenga* (SASA, 1990): *Japanese Journal of Experimental Medicine* **60**: 141 (*Monopelopia*). Type-locality: {Okinawa Island, Nansei Islands, southern Japan} “Genga River”.
- kurobekogata* SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 64 (*Paramerina*). Type-locality: [Japan] “Unazuki Town”.
- togavicea* (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 213 (*Krenopelopia*). Type-locality: [Japan] “Toga River”.
- tokararesea* SASA & SUZUKI, 1995: *Japanese Journal of Sanitary Zoology* **46**: 285

(*Paramerina*). Type-locality: {Tokara Islands, Japan} “Nakanoshima”.

**dolosa** (JOHANNSEN, 1932): *Archiv für Hydrobiologie Supplement 9*: 500 (*Pentaneura*). Type-locality: [Indonesia] {Dutch East Indies} “pot hole in a brook. Lamogan, East Java”. — Distr.: **OR**: Indonesia (Java, Sumatra); **OC**: Belau (Babelthuap), Micronesia (Ponape, Yap).

*delosa*: incorrect subsequent spelling.

**edwardsi** (FREEMAN, 1955): *Bulletin of the British Museum (Natural History) Entomology 4*: 28 (*Pentaneura (Pentaneura)*). Type-locality: “Kenya, Aberdare Range, . . . Mt. Kinangop, 10,000 ft.”. — Distr.: **AF**: Kenya.

**fasciata** SUBLETTE & SASA, 1994: *Spixiana Supplement 20*: 6 (*Paramerina*). Type-locality: {Guatemala} “Barretal”. — Distr.: **NT**: Guatemala.

**fittkai** LEHMANN, 1981: *Spixiana Supplement 5*: 13 (*Paramerina*). Type-locality: [Democratic Republic of the Congo] “Simisimi-Bach bei Kisangani, Zaire”. — Distr.: **AF**: D. R. Congo.

**fragilis** (WALLEY, 1926): *Canadian Entomologist 58*: 205 (*Tanypus*). Type-locality: {Canada} “Ingersoll, Ont.” [= Ontario]. — Distr.: **NE**: Canada (British Columbia, Northwest Territories, Ontario, Québec, Saskatchewan), U.S.A. (Massachusetts, Oregon, Virginia).

**hanseni** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia 17*: 274 (*Paramerina*). Type-locality: [U.S.A.] “Washington — Silver Springs Campground, 31 mi. S.E. Enumclaw”. — Distr.: **NE**: U.S.A. (Washington).

**ignobilis** (JOHANNSEN, 1932): *Archiv für Hydrobiologie Supplement 9*: 496 (*Pentaneura*). Type-locality: [Indonesia] {Dutch East Indies} “in water in a hollow bamboo stump, at Ranau, South Sumatra”. — Distr.: **OR**: Indonesia (Java, Sumatra); **AU**: Australia (Queensland); **OC**: Micronesia (Kosrae).

**inficia** CHAUDHURI & DEBNATH, 1986: *Spixiana Supplement 11*: 167 (*Paramerina*). Type-locality: {India} “West Bengal, Raniganj”. — Distr.: **OR**: India (West Bengal).

**interrupta** (GOETGHEBUER, 1935): *Revue de Zoologie et de Botanique Africaines 27*: 361

(*Ablabesmyia*). Type-locality: [Democratic Republic of the Congo] “Rutshuru”.  
— Distr.: **AF**: D. R. Congo, Madagascar, South Africa, Zimbabwe.

*palpalis* (GOETGHEBUER, 1935): *Revue de Zoologie et de Botanique Africaines* **27**:  
362 (*Ablabesmyia*). Type-locality: [Democratic Republic of the Congo]  
“Rutshuru”.

**levidensis** (SKUSE, 1889): *Proceedings of the Linnaean Society of New South Wales* (2) **4**:  
281 (*Isoplastus*). Type-locality: {Australia} “Wheeny Creek, Hawkesbury  
District, N.S.W.” [= New South Wales]. — Distr.: **AU**: Australia (Australian  
Capital Territory, New South Wales, Northern Territory, Queensland, South  
Australia, Tasmania, Victoria, Western Australia).

**longipes** (FREEMAN, 1955): *Bulletin of the British Museum (Natural History)* Entomology  
**4**: 32 (*Pentaneura (Pentaneura)*). Type-locality: “Uganda, Kampala”. — Distr.:  
**AF**: Uganda.

**mauretunica** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 333  
(*Paramerina*). Type-locality: “Nordafrika: Oase Figuig in der Südostecke von  
Marokko, am Fuß des Sahara-Atlas (850 m ü. M.)”. — Distr.: **PA**: Canary  
Islands, ?Madeira, Morocco, Spain; **AF**: Mauretania.

**meilloni** (FREEMAN, 1955): *Bulletin of the British Museum (Natural History)* Entomology  
**4**: 31 (*Pentaneura (Pentaneura)*). Type-locality: [South Africa] “Transvaal,  
Johannesburg”. — Distr.: **AF**: Burkina Faso, D. R. Congo, Mali, Nigeria,  
Senegal, South Africa, Zambia, Zimbabwe.

*hirsuta* (FREEMAN, 1955): *Bulletin of the British Museum (Natural History)*  
Entomology **4**: 31 (*Pentaneura (Pentaneura)*). Type-locality: [South Africa]  
“Natal, Eshowe, Shaw’s Drift”.

**minima** (KIEFFER, 1911): *Transactions of the Linnean Society of London (2nd Series  
Zoology)* **14**: 365 (*Isoplastus*). Type-locality: “Seychellen. Mahé: Cascade  
Estate, about 800-1500 feet”. — Distr.: **AF**: Seychelles.

**nigromarmorata** (GOETGHEBUER, 1935): *Revue de Zoologie et de Botanique Africaines*  
**27**: 361 (*Ablabesmyia*). Type-locality: [Democratic Republic of the Congo]

“Rutshuru”. — Distr.: **AF**: Chad, D. R. Congo, Namibia, Nigeria, South Africa, Zimbabwe.

**okimaculata** SASA, 1990: *Japanese Journal of Experimental Medicine* **60**: 142 (*Paramerina*). Type-locality: {Okinawa Island, Nansei Islands, southern Japan} “Genga River”. — Distr.: **OR**: Japan (Ryukyu Archipelago).

**parva** (FREEMAN, 1961): *Australian Journal of Zoology* **9**: 617 (*Pentaneura*). Type-locality: {Australia} “Burpengary, Qld.” [= Queensland]. — Distr.: **AU**: Australia (Northern Territory, Queensland).

**quininficia** CHAUDHURI & DEBNATH, 1986: *Spixiana Supplement* **11**: 169 (*Paramerina*). Type-locality: {India} “West Bengal, Raniganj”. — Distr.: **OR**: India (West Bengal).

**septemguttata** (FREEMAN, 1955): *Bulletin of the British Museum (Natural History) Entomology* **4**: 28 (*Pentaneura (Pentaneura)*). Type-locality: [Malawi] “Nyasaland : Ruo”. — Distr.: **AF**: Malawi.

**smithae** (SUBLETTE, 1964): *Proceedings of the United States National Museum* **115**: 100 (*Pentaneura (Pentaneura)*). Type-locality: [U.S.A.] {California} “Saratoga Springs”. — Distr.: **NT**: Mexico (Oaxaca); **NE**: U.S.A. (California, Kansas, New Mexico, North Dakota, Ohio, South Dakota, Utah, Washington, Wyoming).

**taylori** ROBACK, 1982: *Proceedings of the Academy of Natural Sciences of Philadelphia* **134**: 102 (*Paramerina*). Type-locality: {Australia} “Townsville, QD” [= Queensland]. — Distr.: **AU**: Australia (Queensland).

**testa** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 272 (*Paramerina*). Type-locality: [U.S.A.] “Texas —Kerrville”. — Distr.: **NE**: U.S.A. (Oklahoma, Texas).

**vallanti** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 335 (*Paramerina*). Type-localities: “Nordafrika : (algerische) Nordsahara, Oase Beni Abbes”; “Aus dem zentralen Saharagebiet, dem Hoggar” [Algeria]. — Distr.: **PA**: Algeria, Canary Islands, Jordan, Lebanon, Saudi Arabia; **AF**: South

Africa, Zimbabwe.

- “spec. Griechenland”: FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 338 (*Paramerina*). Localities: “Griechenland: Vararra (450 m), . . . Litokohoron (330 m)” [Griechenland = Greece]; “Spanien: Picos de Europa”. — Distr.: **PA**: Azores, Greece, Italy, Lebanon, Morocco, Spain.
- sp.: HARRISON & RANKIN, 1976: *Archiv für Hydrobiologie Supplement* **50**: 296 (Table 9 facing page 296) (*Paramerina*). Locality: “St. Vincent”. — Distr.: **NT**: St. Vincent.
- “spec. A”: HARRISON, 1978: *Journal of the Entomological Society of Southern Africa* **41**: 73 (*Paramerina*). Locality: “Inhaca Island, MOÇAMBIQUE”. — Distr.: **AF**: Mozambique.
- sp. 1: LEHMANN, 1979: *Spixiana Supplement* **3**: 18 (*Paramerina*). Locality: [Democratic Republic of the Congo] “Kalengo; Kivu-Gebiet, Zaire”. — Distr.: **AF**: D. R. Congo.
- sp.: ROBACK & COFFMAN, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**: 95 (*Paramerina*). Localities: {Nepal} “NP 150” [= “Tributary of Marsyandi, below Chame . . . alt. 2470 m.”]. — Distr.: **OR**: Nepal.
- sp.: ASHE, 1990: *Insects and the rain forests of South East Asia (Wallacea)*: 267 (*Paramerina*). Locality: [Indonesia] “Sulawesi”. — Distr.: **OR**: Indonesia (Sulawesi).
- sp.: WATSON & HEYN, 1993: *Netherlands Journal of Aquatic Ecology* **26**: 259 (*Paramerina*). Locality: “Costa Rica . . . C, G, P 275 -1640 m” [= Cartago, Guanacaste, & Puntaneras Provinces 275 - 1640 metres]. — Distr.: **NT**: Costa Rica.
- spec.: STUR & FITTKAU, 1997: *Spixiana* **20**: 161 (*Paramerina*). Locality: “middle reaches of the Rio Bento Gomes (ca. 56°35'W, 15°50'S). This intermittent tropical river flows into the northern Pantanal in Mato Grosso, Brazil”. — Distr.: **NT**: Brazil.



**Nomina dubia in PARAMERINA**

*ampliseta* HAZRA, MAJUMDAR & MAZUMDAR, 2008: *Environment and Ecology* **26** (2A): 909 (*Paramerina*). Locality: [Title] “Springs of Darjeeling-Sikkim Himalayas of India”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

*clara* HAZRA, MAJUMDAR & MAZUMDAR, 2008: *Environment and Ecology* **26** (2A): 909 (*Paramerina*). Locality: [Title] “Springs of Darjeeling-Sikkim Himalayas of India”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

Genus **PARAPENTANEURA** STUR, FITTKAU & SILVA-SERRANO

**PARAPENTANEURA** STUR, FITTKAU & SILVA-SERRANO, 2006: *Zootaxa* **1384**: 60.

Type-species: *Parapentaneura bentogomensis* Stur, Fittkau & Silva-Serrano, 2006, by original designation.

**bentogomensis** STUR, FITTKAU & SILVA-SERRANO, 2006: *Zootaxa* **1384**: 61 (*Parapentaneura*). Type-locality: “Brazil, Mato Grosso, Bento Gomes River near Poconé”. — Distr.: **NT**: Brazil.

sp.: STUR, FITTKAU & SILVA-SERRANO, 2006: *Zootaxa* **1384**: 61 (*Parapentaneura*). Locality: “Brazil, Mato Grosso, Bento Gomes River near Poconé”. — Distr.: **NT**: Brazil.

Genus **PENTANEURA** PHILIPPI

**PENTANEURA** PHILIPPI, 1866: *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **15**: 629. Type-species: *Pentaneura grisea* Philippi, 1866, by monotypy. [**Note**]

**cinerea** (PHILIPPI, 1866): *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **15**: 601 (*Chironomus*).

Type-locality: {Chile} “Prope Catemu in prov. Aconcagua”. — Distr.: **NT**: Argentina, Chile. [**Note**]

*grisea* PHILIPPI, 1866: *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **15**: 630 (*Pentaneura*). Type-locality: {Chile} “Prope Catemu in prov. Aconcagua”. [**Note**]

**elisae** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 369 (*Pentaneura*). Type-locality: “Südamerika: Südchile”. — Distr.: **NT**: Chile.

**inconspicua** (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 371 (*Tanypus*). Type-locality: [U.S.A.] “Easton, Ill.” [= Illinois]. — Distr.: **NE**: Canada (Ontario), Mexico (#), U.S.A. (Arizona, California, Colorado, Florida, Georgia, Illinois, Kansas, Nebraska, Oklahoma, Pennsylvania, Washington, Wyoming). Senior primary homonym of *Tanypus inconspicuus* Kieffer, 1917.

*comosa* SUBLETTE, 1964: *Proceedings of the United States National Museum* **115**: 93 (*Pentaneura (Pentaneura)*). Type-locality: [U.S.A.] {California} “Alum Rock Park, Santa Clara Co.”.

*inculta* BECK & BECK, 1966: *Bulletin of the Florida State Museum Biological Sciences* **10**: 334 (*Pentaneura*). Type-locality: [U.S.A.] “Clay County, Florida, Peter’s Creek”.

**indecisa** (WILLISTON, 1896): *Transactions of the Entomological Society of London* **1896**: 276 (*Tanypus*). Type-locality: [page 253] “island of St. Vincent”. — Distr.: **NT**: St. Vincent; **NE**: U.S.A. (New York). [**Note**]

*indecisca*: incorrect subsequent spelling.

**inyoensis** SUBLETTE, 1964: *Proceedings of the United States National Museum* **115**: 98 (*Pentaneura (Pentaneura)*). Type-locality: [U.S.A.] {California} “Resting Springs, Inyo Co.”. — Distr.: **NE**: U.S.A. (Arkansas, California, Illinois, New York).

**vittaria** SUBLETTE & SASA, 1994: *Spixiana Supplement* **20**: 8 (*Pentaneura (Hudsonimyia)*). Type-locality: {Guatemala} “Barretal”. — Distr.: **NT**:

Guatemala.

“spec. Chile”: FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 372 (*Pentaneura*). Locality: “Südchile”. — Distr.: **NT**: Chile.

sp.: HARRISON & RANKIN, 1976: *Archiv für Hydrobiologie Supplement* **50**: 296 (Table 9 facing page 296) (*Pentaneura*). Locality: “St. Vincent”. — Distr.: **NT**: St. Vincent.

sp.: SUBLETTE & SASA, 1994: *Spixiana Supplement* **20**: 9 (*Pentaneura* (*Pentaneura*)). Locality: {Guatemala} “Barretal”. — Distr.: **NT**: Guatemala.

sp.: RUIZ-MORENO, OSPINA-TORRES, GÓMEZ-SIERRA & RISS, 2000: *Caldasia* **22**(1): 49 (*Pentaneura*). Locality: {Colombia} “en las aguas corrientes de la sabana de Bogotá y sus montañas circundantes” [= in streams of the Sabana de Bogotá and surrounding mountains]. — Distr.: **NT**: Colombia.

sp. 1: DONATO, MASSAFERRO & BROOKS, 2008: *Revista de la Sociedad Entomologica Argentina* **67**: 165 (*Pentaneura*). Locality: “Nahuel Huapi National Park, Patagonia, Argentina”. — Distr.: **NT**: Argentina.

#### Genus **PENTANEURELLA** FITTKAU & MURRAY

**PENTANEURELLA** FITTKAU & MURRAY, 1983: *Nachrichtenblatt der Bayerischen Entomologen* **32**: 59. Type-species: *Pentaneurella katterjokki* Fittkau & Murray, 1983, by original designation.

**katterjokki** FITTKAU & MURRAY, 1983: *Nachrichtenblatt der Bayerischen Entomologen* **32**: 62 (*Pentaneurella*). Type-locality: “Katterjokk, Schwedisch Lappland”. — Distr.: **PA**: Finland, France, Germany, Norway, Russia (Far East), Slovakia, Spain, Sweden, Switzerland, Turkey.

#### Genus **PROCLADIUS** SKUSE

**PROCLADIUS** SKUSE, 1889: *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 283. Type-species: *Procladius paludicola* Skuse, 1889, by subsequent designation of Coquillett (1910: *Proceedings of the United States National Museum* **37**: 594).

[Note]

**HOLOTANYPUS** ROBACK, 1982: see below as subgenus.

**PROCLADIUS** SKUSE, 1889: see below as subgenus.

**PSILOTANYPUS** KIEFFER, 1906: see below as subgenus.

Subgenus **HOLOTANYPUS** ROBACK

**HOLOTANYPUS** ROBACK, 1982: *Proceedings of the Academy of Natural Sciences of Philadelphia* **134**: 99 (as nom. nov. for Subgenus *Procladius* sensu Roback, 1971, not Skuse 1889, misidentified). Type-species: *Tipula culiciformis* Linnaeus, 1767, by original designation.

**abetus** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 185 (*Procladius* (*Procladius*)). Type-locality: [Canada] “Alberta — Wabamun”. — Distr.: **NE**: Canada (Alberta, Ontario).

**apicalis** (KIEFFER, 1918): *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 62 (*Trichotanypus*). Type-locality: [South Africa] “Natal: Pretoria”. — Distr.: **PA**: Saudi Arabia; **AF**: South Africa, Sudan.

**appropinquatus** (LUNDSTRÖM in POPPIUS, LUNDSTRÖM & FREY, 1917): *Naturwissenschaftliche Untersuchungen des Sarekgebirges in Schwedisch-Lapland* **4** (6): 673 (*Trichotanypus*). Type-locality: {Lapponia suecica} [= Swedish Lapland] “Sarek . . . Hochplateau am Pelajauratjah, oberste Weidenregion”. — Distr.: **PA**: Norway, Sweden. [Note]

**barbatulus** SUBLETTE, 1964: *Proceedings of the United States National Museum* **115**: 121 (*Procladius*). Type-locality: [U.S.A.] {California} “Hume Lake, Fresno Co.”. — Distr.: **NE**: U.S.A. (California).

**brevipetiolatus** (GOETGHEBUER, 1935): *Revue de Zoologie et de Botanique Africaines* **27**: 355 (*Trichotanypus*). Type-locality: [Democratic Republic of the Congo] “P. N. A. : Vitshumbi” [P. N. A. = Parc National Albert]. — Distr.: **PA**: Morocco, Saudi Arabia; **AF**: Burkina Faso, Chad, D. R. Congo, Ethiopia, Madagascar, Niger, Nigeria, Réunion, Senegal.

*umbrosus* (GOETGHEBUER, 1935): *Revue de Zoologie et de Botanique Africaines* **27**: 356 (*Trichotanypus*). Type-locality: [Democratic Republic of the Congo] “Cratère Muyunga”.

**choreus** (MEIGEN, 1804): *Klassifikation und beschreibung der europäischen zweiflügligen insekten* **1**: 23 (*Tanypus*). Type-locality: [Title] “europäischen” [= European]. — Distr.: **PA**: Austria, Azores, Belgium, Bulgaria, Canary Islands, China (Gansu, Hebei, Inner Mongolia, Liaoning, Ningxia, Shandong, Qinghai), Corsica, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Japan, Kaliningrad, Lebanon, Macedonia, Madeira, Moldova, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, SET, East Siberia, Far East, West Siberia), Sicily, Slovakia, South Korea, Spain, Sweden, Switzerland, Tunisia, Ukraine, ¶Yugoslavia; **OR**: China (Fujian, Guangdong, Hubei, Zhejiang).

*choreus*: **Not Nearctic**.

*incomptus* (WALKER, 1856): *Insecta Britannica, Diptera* **3**: 180 (*Chironomus*). Type-locality: “(E.)” [= England].

*albiforceps* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 109 (*Trichotanypus*; as var. of *choreus* Meigen, 1804). Type-locality: Not given.

**clavus** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 187 (*Procladius* (*Procladius*)). Type-locality: [Canada, Nunavut] “Northwest Territories — Spence Bay” [Spence Bay now in Nunavut]. — Distr.: **NE**: Canada (British Columbia, Nunavut).

**crassinervis** (ZETTERSTEDT, 1838): *Insecta Lapponica* [Heft 3]: 817 (*Tanypus*). Type-localities: [Sweden] “in paludosis Lapponiae meridionalis”; “ad Lycksele, Stensele et Umenaes, Lapponiae Umensis”; “ad urbem Torneå”. — Distr.: **PA**: Bear Island, Denmark, Finland, France, Germany, Great Britain, Ireland, Japan, Kaliningrad, Norway, Russia (CET, East Siberia, Far East), Spitzbergen, Sweden, Ukraine.

*frigidus* (HOLMGREN, 1869): *Kungliga Svenska VetenskapsAkademiens Handlingar*

**8(5):** 48 (*Tanypus*). Type-locality: “in Beeren Eiland ad radicem alpīs Mount Miseri” [Beeren Eiland = Bear Island].

*scutellaris* (KIEFFER, 1924): *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 385 (*Trichotanypus*; as var. of *crassinervis* Zetterstedt, 1838). Type-locality: [Germany] “Lac Schönsee”.

**culiciformis** (LINNAEUS, 1767): *Systema naturæ* (12th Edition) **1** (2): 978 (*Tipula*). Type-locality: “Habitat in Svecia : Upsaliæ” [= Sweden, Uppsala]. — Distr.: **NE**: Canada (British Columbia, Northwest Territories, Nunavut, Ontario, Saskatchewan), Mexico (#); U.S.A. (Arizona, California, Florida, Kansas, Michigan, Nevada, Wisconsin); **PA**: Austria, Belgium, Croatia, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Japan, Kaliningrad, Lebanon, Moldova, Netherlands, Poland, Romania, Russia (CET, NET, Far East), Spain, Sweden, Ukraine, ¶Yugoslavia.

*culiciformis*: **Not Oriental**.

*claripennis* (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 387 (*Protenthes*). Type-locality: [U.S.A.] “South Haven, Mich., . . . on shore of Lake Michigan”.

*nudimanus* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 109 (*Trichotanypus*; as var. of *culiciformis* Linnaeus, 1767). Type-locality: Not given.

**curtus** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 181 (*Procladius* (*Procladius*)). Type-locality: [U.S.A.] “Florida, Elfers”. — Distr.: **NE**: U.S.A. (Florida).

**denticulatus** SUBLETTE, 1964: *Proceedings of the United States National Museum* **115**: 124 (*Procladius*). Type-locality: [U.S.A.] {California} “Fortuna, Humboldt Co.”. — Distr.: **NE**: Canada (Alberta, British Columbia, Northwest Territories, Ontario, Québec, Saskatchewan); U.S.A. (Alaska, California, Colorado, Georgia, Idaho, Michigan, Minnesota).

**dentus** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 186 (*Procladius* (*Procladius*)). Type-locality: [Canada] “Manitoba — Ft.

Churchill". — Distr.: **NE**: Canada (British Columbia, Labrador, Manitoba, Northwest Territories, Nunavut, Québec, Saskatchewan), U.S.A. (Alaska); **PA**: Russia (Far East).

**desis** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 178 (*Procladius (Procladius)*). Type-locality: [U.S.A.] "Alaska, Umiat". — Distr.: **NE**: Canada (Northwest Territories), U.S.A. (Alaska).

**ferrugineus** (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 108 (*Trichotanypus*). Type-locality: "Ungarn" [= Hungary] || ▶ Type-locality: "Hongrie: Keszthely" in Kieffer, 1919: *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 140 ◀ ||. — Distr.: **PA**: Bulgaria, Croatia, Estonia, Hungary, Moldova, Russia (CET, NET, SET, Far East, West Siberia). Senior homonym of *Trichotanypus ferrugineus* Kieffer, 1919.

*ferrugineus* (KIEFFER, 1919): *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 140 (*Trichotanypus*). Type-locality: "Hongrie: Keszthely".

**Preoccupied.** Junior homonym of *Trichotanypus ferrugineus* Kieffer, 1918.

**fimbriatus** WÜLKER, 1959: *Archiv für Hydrobiologie Supplement* **25**: 54 (*Procladius*). Type-locality: "Saanajärvi in SF, Nordfinnland". — Distr.: **PA**: Finland.

**freemani** SUBLETTE, 1964: *Proceedings of the United States National Museum* **115**: 122 (*Procladius*). Type-locality: [U.S.A.] {California} "San Bruno, San Mateo Co.". — Distr.: **NE**: Canada (British Columbia, \$Northwest Territories, Ontario, Québec, Saskatchewan), U.S.A. (Alaska, Arizona, California, Colorado, Connecticut, Florida, Georgia, Massachusetts, Montana, New Mexico, New York, North Carolina, Ohio, Oregon, Pennsylvania, South Carolina, South Dakota, Utah, Vermont, Washington, Wisconsin); **PA**: Russia (Far East).

*asetus* ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 172 (*Procladius (Procladius)*); as var. of *freemani* Sublette, 1964). Type-locality: "United States Georgia — St. Simon Isl."

*brunneus* ROBACK, 1971: *Monographs of the Academy of Natural Sciences of*

- Philadelphia* **17**: 171 (*Procladius (Procladius)*); as var. of *freemani* Sublette, 1964). Type-locality: “Canada Labrador — C. Charles”. [Note]
- cretis* ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 172 (*Procladius (Procladius)*); as var. of *freemani* Sublette, 1964). Type-locality: “Canada British Columbia — Terrace”.
- elongatus* ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 172 (*Procladius (Procladius)*); as var. of *freemani* Sublette, 1964). Type-locality: “United States Florida — Sebring”.
- fuscus** BRUNDIN, 1949: *Reports from the Institute of Freshwater Research, Drottningholm* **30**: 812 (*Procladius*). Type-locality: {Sweden} “aus dem Moorkolk Grimsgöl”. — Distr.: **PA**: Germany, Sweden. [Note]
- gretis** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 184 (*Procladius (Procladius)*). Type-locality: [Canada, Nunavut] “Northwest Territories — Nettilling Lake, Baffin Isl.” [now in Nunavut]. — Distr.: **NE**: Canada (Northwest Territories, Nunavut). [Note]
- iris** (KIEFFER, 1916): *Annales Historico-Naturales Musei Nationalis Hungarici* **14**: 101 (*Trichotanypus*). Type-locality: [Taiwan] {Formosa} “Yentempo”. — Distr.: **PA**: Japan; **OR**: Taiwan.
- islandicus** (GOETGHEBUER in GOETGHEBUER & LINDROTH, 1931): *Zoologiska Bidrag från Uppsala* **13**: 277 (*Trichotanypus*). Type-localities: “S.-Isl.: Barkarstaðir (Fljótshlíð)”; “N.-Isl.: Mývatn, auf der Insel Slúttnes . . . Grímstaðir (am Myývatn)”; “O.-Isl.: Seyðisfjörður”; “SO.-Isl.: Fagurhólmsmýri” [Isl. = Island]. — Distr.: **PA**: Germany, Iceland.
- jeris** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 187 (*Procladius (Procladius)*). Type-locality: [U.S.A.] “Alaska — Umiat”. — Distr.: **NE**: Canada (\$Northwest Territories), U.S.A. (Alaska).
- johnsoni** ROBACK, 1980: *Proceedings of the Academy of Natural Sciences of Philadelphia* **132**: 43 (*Procladius (Procladius)*). Type-locality: “Muskoka Lake . . . ONT, CAN.” [= Ontario, Canada]. — Distr.: **NE**: Canada (Ontario), U.S.A. (New



York); **PA**: Kaliningrad.

**karahutoensis** TOKUNAGA, 1940: *Philippine Journal of Science* **72**: 282 (*Procladius* (*Procladius*)). Type-locality: [Russia] “Sikuka, Sakhalin”. — Distr.: **PA**: Russia (Far East).

**lugubris** (ZETTERSTEDT, 1850): *Diptera Scandinaviae disposita et discripta* **9**: 3604 (*Tanypus*). Type-localities: [Sweden] “in Jemtlandia . . . ad radicem alpis Åreskutan”; “Lundæ”. — Distr.: **PA**: Sweden.

**nipponicus** TOKUNAGA, 1937: *Philippine Journal of Science* **62**: 32 (*Procladius* (*Procladius*)). Type-locality: “Honshu, Japan . . . Kibune, Kyoto”. — Distr.: **PA**: Japan, Russia (Far East).

**noctivagus** (KIEFFER, 1910): *Memoirs of the Indian Museum* **2**: 222 (*Tanypus*). Type-locality: [Egypt] “sur le bateau, au canal de Suez”. — Distr.: **PA**: Egypt, Morocco; **AF**: Burkina Faso, Cameroon, Central African Republic, Chad, Niger, Nigeria, Sudan; **OR**: India (West Bengal). Senior primary homonym of *Tanypus noctivagus* Kieffer, 1921.

*noctivagus* (KIEFFER, 1921): *Bulletin de la Société Entomologique d'Égypte* **6**: 18 (*Tanypus*). Type-locality: [Egypt] “sur le bateau, au canal de Suez”. Junior primary homonym of *Tanypus noctivagus* Kieffer, 1910.

*niloticus* (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 189 (*Trichotanypus*). Type-locality: “Soudan : au sud de Khartoum” [Soudan = Sudan].

*nilicola* (KIEFFER, 1925): *Bulletin de la Société Royale Entomologique d'Égypte* **8**(1924): 309 (*Trichotanypus*). Type-locality: {Egypt} “Maadi, bords du Nil”.

**nudipennis** BRUNDIN, 1947: *Arkiv för Zoologi* **39A**: 6 (*Procladius*). Type-localities: {Sweden} “Sm. See Innaren . . . Kråkenäs”; “Skärshutsjön”. — Distr.: **PA**: Finland, Germany, Norway, Sweden.

**paragretis** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 185 (*Procladius* (*Procladius*)). Type-locality: “Greenland — Sondrestrom Air Base”. — Distr.: **NE**: Greenland, U.S.A. (?Alaska).

- pectinatus** (KIEFFER, 1909): *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 42 (*Tanypus*; as “*Pectinatus*”). Type-locality: [in Title] “Allemagne” [= Germany]. — Distr.: **PA**: Austria, Denmark, Finland, Germany, Ireland, Norway, Russia (East Siberia), Switzerland. [**Note**]
- longicornis* (KIEFFER, 1924): *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 385 (*Trichotanypus*; as var. of *pectinatus* Kieffer, 1909). Type-locality: [Germany, Holstein] “Lac Schönsee”.
- ? *barbatus* BRUNDIN, 1949: *Reports from the Institute of Freshwater Research, Drottningholm* **30**: 811 (*Procladius*). Type-locality: {Sweden} “aus dem Stora Blåsjön in Jämtland”. **Questionable synonym.**
- prolongatus** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 188 (*Procladius (Procladius)*). Type-locality: [Canada, Nunavut] “Northwest Territories — Spence Bay” [Spence Bay now in Nunavut]. — Distr.: **NE**: Canada (Nunavut), U.S.A. (Alaska).
- rivulorum** (KIEFFER, 1913): *Bulletin de la Société d'Histoire Naturelle de Metz* **28**: 14 (*Trichotanypus*). Type-locality: {Allemagne} [= Germany] “d’un ruisseau aux environs de Münster en Westphalie”. — Distr.: **PA**: Czech Republic, Finland, France, Germany.
- acutus* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 108 (*Trichotanypus*; as var. of *rivulorum* Kieffer, 1913). Type-locality: [Czech Republic] “Böhmen”.
- ruris** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 182 (*Procladius (Procladius)*). Type-locality: “Canada . . . Alberta, Elkwater”. — Distr.: **NE**: Canada (Alberta, British Columbia, Labrador, Newfoundland, Northwest Territories, Ontario, Saskatchewan), U.S.A. (Minnesota).
- grandis* ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 183 (*Procladius (Procladius)*; as var. of *ruris* Roback, 1971). Type-localities: “Canada British Columbia — Altin 2200' ”; “Labrador — Hopedale”; “Northwest Territories — Salmita”.
- sagittalis** (KIEFFER, 1909): *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 42

(*Tanypus*; as “*Sagittalis*”). Type-locality: {Allemagne} [= Germany] “Larves dans les eaux sales. Dortmund”. — Distr.: **PA**: Belgium, ?Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Japan, Kaliningrad, Morocco, Netherlands, Poland, Russia (East Siberia, Far East), Sicily, Slovakia, Spain, Sweden, Switzerland; **OR**: China (Zhejiang).

*horticola* (KIEFFER, 1911): *Bulletin de la Société d'Histoire Naturelle de Metz* **27**: 10 (*Trichotanypus*). Type-locality: [Introduction] “d'Allemagne” [= Germany].  
[Note]

? *breviatus* REMMERT, 1953: *Kieler Meeresforschungen* **9**: 235 (*Procladius*). Type-localities: [Germany] “an der ganzen schleswig-holsteinischen Küste in stillen Strandgewässern: Bottsand bei Laboe, Hohwachter Bucht (Sehlendorfer See, Schleusentuümpel Lippe), in der Schlei, Heiligenhafen, Fehmarn . . . erhielt sie von der Nordseeküste (Eidermündung)”. **Questionable synonym.**

**signatus** (ZETTERSTEDT, 1850): *Diptera Scandinaviae disposita et discripta* **9**: 3608 (*Tanypus*). Type-localities: [Sweden] “in Jemtlandia ad Faxelfven, Mulfjellet & Åreskutan”; “in jugo alpino Norwegiæ ad Suul”. — Distr.: **PA**: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Kaliningrad, Netherlands, Norway, Poland, Russia (CET, NET, East Siberia, Far East), Slovakia, Spain, Sweden, Switzerland.

**simplicistilus** FREEMAN, 1948: *Entomologist's Monthly Magazine* **84**: 49 (*Procladius*). Type-locality: {Great Britain} “Lancashire: Hawkshead, Three Dubs Tarn”. — Distr.: **PA**: Denmark, Finland, Germany, Great Britain, Ireland, Kaliningrad, Netherlands, Norway, Russia (Far East).

*simplicistylis*: incorrect subsequent spelling.

**sublettei** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 191 (*Procladius (Procladius)*). Type-locality: “United States . . . California, Clear Lake, Lake Co.”. — Distr.: **NE**: Canada (New Brunswick, Northwest Territories, Ontario, Québec, Saskatchewan), U.S.A. (California, Connecticut, District of Columbia, Florida, Georgia, Illinois, Maryland, Massachusetts,

Michigan, Minnesota, Nevada, New Jersey, New York, North Carolina, Pennsylvania, South Carolina, Tennessee, Texas, Utah, Virginia); **PA**: Russia (East Siberia, Far East).

*grandis* ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 193 (*Procladius* (*Procladius*); as var. of *sublettei* Roback, 1971). Type-localities: “Canada Northwest Territories — Gros Cap., Great Slave Lake”; “Ontario — Moose Factory”, “Normandale 42°42', 80°19' ”; “Ottawa”; “Saskatchewan — Saskatoon”.

*minuta* ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 194 (*Procladius* (*Procladius*); as var. of *sublettei* Roback, 1971). Type-localities: “United States Florida — Jacksonville”; “Atlantic Beach”; “Biscayne Bay”.

*suecicus* BRUNDIN, 1949: *Reports from the Institute of Freshwater Research, Drottningholm* **30**: 812 (*Procladius*). Type-locality: {Sweden} “aus dem Helgasjön in Småland”. — Distr.: **PA**: Germany, Russia (East Siberia), Sweden.

*vesus* ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 181 (*Procladius* (*Procladius*)). Type-locality: “Canada, Northwest Territories, Muskox L.”. — Distr.: **NE**: Canada (Northwest Territories), U.S.A. (Alaska); **PA**: Kaliningrad.

*wilhmi* ROBACK, 1966: *Entomological News* **77**: 177 (*Procladius*). Type-locality: [U.S.A.] “Tennessee 80°19'W, 35°54'N.” — Distr.: **NE**: U.S.A. (Tennessee).

sp. 1: ROBACK & COFFMAN, 1989: *Proceedings of the Academy of Natural Sciences of Philadelphia* **141**: 89 (*Procladius* (*Holotanypus*)). Localities: {India, Tamil Nadu} “IN9” [= “small artificial pond and drainage stream on the golf course at Kodaikanal”]; “IN17” [= “1st order stream near golf course at Ootacamund”]. — Distr.: **OR**: India (Tamil Nadu).

sp. 2: ROBACK & COFFMAN, 1989: *Proceedings of the Academy of Natural Sciences of Philadelphia* **141**: 89 (*Procladius* (*Holotanypus*)). Locality: {India, Tamil

Nadu} “IN10” [= “Lake Berijam (a reservoir) near Kodaikanal”]. — Distr.:  
**OR:** India (Tamil Nadu).

**Nomina dubia probably in PROCLADIUS (HOLOTANYPUS)**

*abrupta* (GARRETT, 1925): *Seventy New Diptera*: 8 (*Tanypus*). Type-locality: [Canada]  
 “Cranbrook, B.C.” [= British Columbia]. [Note]

*arcuata* (GARRETT, 1925): *Seventy New Diptera*: 7 (*Tanypus*). Type-locality: [Canada]  
 “Cranbrook, B.C.” [= British Columbia].

*bifasciatus* GOETGHEBUER in GOETGHEBUER & LENZ, 1936: *Die Fliegen der  
 Palaearktischen Region 13b*: 10 (*Procladius*). Type-locality: “Falaën in  
 Belgien”.

*bifida* (GARRETT, 1925): *Seventy New Diptera*: 8 (*Tanypus*). Type-locality: [Canada]  
 “Cranbrook, B.C.” [= British Columbia].

*cinereus* GOETGHEBUER in GOETGHEBUER & LENZ, 1936: *Die Fliegen der  
 Palaearktischen Region 13b*: 10 (*Procladius*). Type-locality: “Postel in  
 Belgien”.

*fulvus* (KIEFFER, 1924): *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes  
 Rendus) 43*: 384 (*Trichotanypus*). Type-locality: [Poland] “Silésie”.

*longistilus* (KIEFFER in THIENEMANN & KIEFFER, 1916): *Archiv für Hydrobiologie  
 Supplement 2*: 519 (*Trichotanypus*). Type-locality: {Sweden} “Unterhalb  
 Huskvarna fließt die Huskvarna Aa”. [Note]

*lundstroemi* GOETGHEBUER in GOETGHEBUER & LENZ, 1936: *Die Fliegen der  
 Palaearktischen Region 13b*: 11 (*Procladius*; as “Lundströmi”; as nom. nov. for  
*barbitarsis* sensu Lundström, 1910 nec *barbitarsis* Zetterstedt, 1850, misidentified).  
 Type-localities: “Grönland” [= Greenland]; “Skandinavien”; “Lappland” || ▶ Type-  
 localities: “Lapp. fenn.” [= Finnish Lapland]; [Russia, Northern European Territory]  
 “Ka. Wiborg” [Ka. Wiborg = Karelia, Viborg or Vyborg, formerly in Finland, now in  
 Russia] in Lundström, 1910: *Acta Societatis pro Fauna et Flora Fennica 33*(10):  
 29 ◀ ||. [Note]

*Lundströmi*: incorrect original spelling.

*modestus* (KIEFFER in KIEFFER & THIENEMANN, 1916): *Archiv für Hydrobiologie Supplement 2*: 493 (*Trichotanypus*). Type-locality: {Sweden} “Hälsingborg, . . . im Hause Drottninggatan”. [Note]

*parvulus* (KIEFFER, 1918): *Entomologische Mitteilungen 7*: 109 (*Trichotanypus*). Type-locality: Not given || ▶ Type-locality: [Poland] “Lazarettschiffzug Danzig, Frisches Haff”: in Kieffer, 1918: *Entomologische Mitteilungen 7*: 163 ◀ ||. Senior homonym of *Trichotanypus parvulus* Kieffer, 1918.

*parvulus* (KIEFFER, 1918): *Entomologische Mitteilungen 7*: 163 (*Trichotanypus*). Type-locality: [Poland] “Lazarettschiffzug Danzig, Frisches Haff”. **Preoccupied.** Junior homonym of *Trichotanypus parvulus* Kieffer, 1918.

*pruinus* (KIEFFER, 1924): *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus) 43*: 387 (*Trichotanypus*). Type-localities: [Czech Republic] “Étang de Mammersdorf, en Bohême”; [Austria] “Lac alpin de Lunz”; [Czech Republic] “lacs de Bohême”. [Note]

*scapularis* (KIEFFER, 1924): *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus) 43*: 387 (*Trichotanypus*). Type-localities: [Germany] “Lacs Shaalsee et Kirchensee”. [Note]

*tatrensis* GOWIN in GOWIN & ZAVŘEL, 1944: *Entomologické Listy 7*: 87 (*Procladius*). Type-localities: [Czech Republic] “im See »Zelené pleso pod Kriváňvom « (2026 m) . . . Hohen Tatra”; “aus dem See »Długi staw Gasienicowy « (1780 m . . . und einem Tümpel westlich vom See »Skalnaté pleso (1800 m”.

*trifolia* (GARRETT, 1925): *Seventy New Diptera: 7* (*Tanypus*). Type-locality: [Canada] “Cranbrook, B.C.” [= British Columbia].

*vestitipennis* (KIEFFER, 1917): *Annales Historico-Naturales Musei Nationalis Hungarici 15*: 339 (*Trichotanypus*). Type-locality: “États-Unis: Adirondack, Long Lake” [in New York State, U.S.A.].

*zernyi* GOETGHEBUER in GOETGHEBUER & LENZ, 1936: *Die Fliegen der Palaearktischen Region 13b*: 13 (*Procladius*; as “*Zernyi*”). Type-locality: “Aus

Österreich (Burgenland". [Österreich = Austria].

Subgenus **PROCLADIUS** SKUSE

- albitalus** FREEMAN, 1955: *Bulletin of the British Museum (Natural History)* Entomology **4**: 58 (*Procladius (Procladius)*). Type-locality: "Uganda, Kampala". — Distr.: **AF**: Burkina Faso, Cameroon, Chad, Kenya, Niger, Nigeria, South Africa, Uganda, Zimbabwe.
- goanna** ROBACK, 1982: *Proceedings of the Academy of Natural Sciences of Philadelphia* **134**: 94 (*Procladius (Procladius)*). Type-locality: {Australia} "Goanna Lagoon, Gulungil Creek, Alligator Rivers Region, N. Terr.". — Distr.: **AU**: Australia (Northern Territory).
- maculosus** FREEMAN, 1955: *Bulletin of the British Museum (Natural History)* Entomology **4**: 60 (*Procladius (Procladius)*). Type-locality: [Sudan] "Anglo-Egyptian Sudan, Melut". — Distr.: **AF**: Benin, Chad, Ghana, Nigeria, Sudan, Togo.
- martini** ROBACK, 1982: *Proceedings of the Academy of Natural Sciences of Philadelphia* **134**: 97 (*Procladius (Procladius)*). Type-locality: {Australia} "Sherbrook Forest Area, Melbourne, Vic." [Victoria]. — Distr.: **AU**: Australia (New South Wales, Victoria).
- mozambique** ROBACK, 1982: *Proceedings of the Academy of Natural Sciences of Philadelphia* **134**: 124 (*Procladius (Procladius)*). Type-locality: "Colombia, Hacienda Mozambique, Departamento del Meta 16 km SW of Puerto Lopez". — Distr.: **NT**: Colombia.
- paludicola** SKUSE, 1889: *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 284 (*Procladius*). Type-locality: {Australia} "Hexham Swamps, near Newcastle, N.S.W." [= New South Wales]. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Northern Territory, Queensland, South Australia, Tasmania, Victoria, Western Australia).
- pictipennis* SKUSE, 1889: *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 285 (*Procladius*). Type-locality: {Australia} "Lawson, Blue Mountains,

N.S.W.” [= New South Wales].

*pentastictus* KIEFFER, 1917: *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 201 (*Procladius*). Type-locality: {Australia} “Sydney, Jardin botanique”

*subglaber* (KIEFFER, 1917): *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 202 (*Trichotanytus*). Type-locality: {Australia} “Sydney, Jardin botanique”.

**polytomus** (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 190 (*Trichotanytus*). Type-locality: “Soudan : Shambe” [Soudan = Sudan]. — Distr.: **AF**: Cameroon, Chad, Niger, Sudan.

**recurva** JOHANNSEN, 1932: *Archiv für Hydrobiologie Supplement* **9**: 505 (*Procladius*). Type-locality: [Indonesia] {Dutch East Indies} “Buitenzorg [= Bogor], Java”. — Distr.: **OR**: Indonesia (Java). **Comb. nov.** [Note]

**squamifer** FREEMAN, 1961: *Australian Journal of Zoology* **9**: 629 (*Procladius*). Type-locality: {Australia} “Sydney”. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Northern Territory, Tasmania, Victoria). **Comb. nov.** [Note]

**umbrosus** LEHMANN, 1981: *Spixiana Supplement* **5**: 14 (*Procladius* (*Procladius*)). Type-locality: [Democratic Republic of the Congo] “Simisimi-Bach bei Kisangani, Zaire”. — Distr.: **AF**: D. R. Congo.

**villosimanus** KIEFFER, 1917: *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 202 (*Procladius*). Type-locality: {Australia} “Sydney, Jardin botanique”. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Northern Territory, South Australia, Tasmania, Victoria, Western Australia).

*australiensis* KIEFFER, 1917: *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 200 (*Procladius*). Type-locality: {Australia} “Sydney, Jardin botanique”.

*bipunctatus* KIEFFER, 1917: *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 201 (*Procladius*; as var. of *australiensis* Kieffer, 1917). Type-



locality: {Australia} “Sydney, Jardin botanique”. **Syn. nov.** [Note]

Subgenus **PSILOTANYPUS** KIEFFER

**PSILOTANYPUS** KIEFFER, 1906: *Genera Insectorum* **42**: 39 (as genus). Type-species: *Tanypus bellus* Loew, 1866, by subsequent designation of Coquillett (1910: *Proceedings of the United States National Museum* **37**: 597). Senior homonym of *Psilotanypus* Kieffer, 1906 (see below).

*PSILOTANYPUS* KIEFFER, 1906: *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **30**: 318 (in footnote; as genus). Type-species: Not stated. **Preoccupied**. Junior homonym of *Psilotanypus* Kieffer, 1906 (see above).

**bellus** (LOEW, 1866): *Berliner Entomologische Zeitschrift* **10**: 4 (*Tanypus*). Type-locality: [U.S.A.] “Washington”. — Distr.: **NE**: Canada (Alberta, British Columbia, Manitoba, New Brunswick, Northwest Territories, Ontario, Saskatchewan), Mexico (#), U.S.A. (Alabama, Arizona, California, Colorado, District of Columbia, Florida, Georgia, Illinois, Indiana, Iowa, Kansas, Louisiana, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, New Jersey, New Mexico, New York, North Carolina, Ohio, Pennsylvania, Rhode Island, South Carolina, South Dakota, Tennessee, Texas, Virginia, Washington, Wisconsin); **OR**: China (Hubei).

*pusillus* (LOEW, 1866): *Berliner Entomologische Zeitschrift* **10**: 5 (*Tanypus*). Type-locality: [U.S.A.] “Washington” [= City of Washington, District of Columbia].

*adumbratus* JOHANNSEN, 1905: *Bulletin of the New York State Museum* **86**: 132 (*Procladius*). Type-locality: [U.S.A.] [p. 132, larvae] “Eddy Pond, Itchaca N. Y.” [= New York] and [p. 133, female imago] “Itchaca N. Y.” [= New York].

*riparius* (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 389 (*Protenthes*). Type-locality: [U.S.A.] {Illinois} “Thompson’s Lake, Havana”.

*flavidus* KIEFFER, 1923: *Bulletin de la Société Entomologique de France* **1922**: 297 (*Procladius*). Type-locality: [U.S.A.] “Dallas, Texas”. **Preoccupied**. Junior

primary homonym of *Procladius flavidus* Kieffer, 1910.

*malifero* GARRETT, 1925: *Seventy New Diptera*: 10 (*Procladius*). Type-locality: [Canada] “Cranbrook, B.C.” [= British Columbia].

**deltaensis** ROBACK in WRUBLESKI & ROBACK, 1987: *Journal of the North American Benthological Society* **6**: 208 (*Procladius (Psilotanypus)*). Type-locality: “CANADA: Bone Pile Pond, Delta Marsh, Manitoba”. — Distr.: **NE**: Canada (Manitoba).

**duplexus** CHAUDHURI & DEBNATH, 1983: *Zoologische Jahrbücher, Systematik, Ökologie und Geographie der Tiere* **110**: 119 (*Procladius (Psilotanypus)*). Type-locality: {India} “West Bengal, Durgapur”. — Distr.: **OR**: India (West Bengal).

**etatus** ROBACK, 1982: *Proceedings of the Academy of Natural Sciences of Philadelphia* **134**: 124 (*Procladius (Psilotanypus)*). Type-locality: “Colombia, Hacienda Mozambique, Departamento del Meta, 16 km SW of Puerto Lopez”. — Distr.: **NT**: Colombia, Costa Rica.

**flavifrons** EDWARDS, 1929: *Transactions of the Entomological Society of London* **77**: 302 (*Procladius (Psilotanypus)*). Type-localities: [Great Britain] “Lake Windermere”; “Waterville, Ireland”. — Distr.: **PA**: Finland, France, Germany, Great Britain, Ireland, Poland, Russia (Far East), Spain, Sweden.

**fuscipes** CHAUDHURI & DEBNATH, 1983: *Zoologische Jahrbücher, Systematik, Ökologie und Geographie der Tiere* **110**: 117 (*Procladius (Psilotanypus)*). Type-locality: {India} “West Bengal, Raniganj”. — Distr.: **OR**: India (West Bengal).

**imicola** KIEFFER, 1922: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **41**: 364 (*Procladius*). Type-localities: [Poland & Germany] “Différents lacs de Pologne, Sleswig-Holstein et Mecklembourg”. — Distr.: **PA**: Estonia, Finland, Germany, Kaliningrad, Norway, Poland, Russia (CET, NET), Sweden.

*nigriventris* KIEFFER, 1922: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **41**: 364 (*Procladius*; as var. of *imicola* Kieffer, 1922). Type-locality: [Germany] “Lac de Sleswig-Holstein”. Senior secondary

homonym of *Trichtanypus nigriventris* Kieffer, 1924. [Note]

- lugens** KIEFFER, 1915: *Brotéria, Série Zoológica* **13**: 69 (*Procladius*). Type-locality: “Deutschland”. — Distr.: **PA**: Austria, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Kaliningrad, Lithuania, Netherlands, Poland.
- macrotrichus** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 168 (*Procladius (Psilotanypus)*). Type-locality: [U.S.A.] “Minnesota — Eaglesnest”. — Distr.: **NE**: U.S.A. (Minnesota).
- nietus** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 168 (*Procladius (Psilotanypus)*). Type-locality: [Canada] “British Columbia — Atlin 2200' ”. — Distr.: **NE**: Canada (Alberta, British Columbia, Manitoba, Saskatchewan).
- rufovittatus** (WULP, 1874): *Tijdschrift voor Entomologie* **17**: 143 (*Tanypus*). Type-locality: [Netherlands] “de voormalige Schielandsche plassen”. — Distr.: **PA**: Austria, Belgium, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Kaliningrad, Netherlands, Poland, Russia (CET, East Siberia,), Slovakia, Spain. [Note]
- rufovittatus*: **Not Nearctic**.
- albinervis* KIEFFER, 1918: *Entomologische Mitteilungen* **7**: 107 (*Procladius*). Type-locality: [Poland] “Lazaretschiffzug Danzig, Frisches Haff”.
- ? *bathophilus* KIEFFER, 1922: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **41**: 362 (*Procladius*). Type-locality: [Germany] “Grand lac de Ploen” [= Grosser Plöner See]. **Questionable synonym**.
- serratus** (KIEFFER, 1909): *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 42 (*Tanypus*; as “*Serratus*”). Type-locality: [in Title] “Allemagne” [= Germany] || ► Type-locality: [Germany] “Aus den westfälischen Talsperren” in Kieffer & Thienemann, 1909: *Jahresbericht des Westfälischen Provinzial-Vereins für Wissenschaft und Kunst* **1908/9**: 33-34 ◀ ||. — Distr.: **PA**: Denmark, Germany, Hungary, Netherlands.
- shibru** HARRISON, 1991: *Spixiana* **14**: 51 (*Procladius (Psilotanypus)*). Type-locality:

{Ethiopia} “in a parked car at the top of the mountain pass behind Addis Ababa (Gojjam Road”. — Distr.: **AF**: Ethiopia.

**stroudi** ROBACK, 1982: *Proceedings of the Academy of Natural Sciences of Philadelphia* **134**: 122 (*Procladius (Psilotanypus)*). Type-locality: “Colombia, Hacienda Mozambique, Departamento del Meta, 16 km SW of Puerto Lopez”. — Distr.: **NT**: Colombia.

sp.: ROBACK & COFFMAN, 1989: *Proceedings of the Academy of Natural Sciences of Philadelphia* **141**: 89 (*Procladius (Psilotanypus)*). Locality: {India, Tamil Nadu} “Lake Berijam (a reservoir) near Kodaikanal”. — Distr.: **OR**: India (Tamil Nadu).

**Nomina dubia probably in PROCLADIUS (PSILOTANYPUS)**

*anomalus* KIEFFER, 1906: *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **30**: 319 (*Procladius*). Type-locality: “Patrie : Bords de l'étang de Falkenstein, près Bitche” [Patrie = Kieffer's homeland of France].

*floralis* KIEFFER, 1915: *Zoologische Jahrbücher, Abteilung Systematik, Ökologie und Geographie der Tiere* **39**: 103 (*Procladius*). Type-locality: {Faroes} “Sandö, auf Achilleablüten”.

*heterocerus* KIEFFER, 1922 : *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **41**: 365 (*Procladius*). Type-locality: [Germany] “Lac de Kellerssee”.

*latifrons* KIEFFER, 1922: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **41**: 364 (*Procladius*). Type-localities: [Poland & Germany] “Lacs de Pologne, du Sleswig-Holstein et du Mecklembourg”. [Note]

*leucocoma* KIEFFER, 1922: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **41**: 363 (*Procladius*). Type-locality: [Poland] “Lac de Pologne”. [Note]

*leucoma*: incorrect subsequent spelling.

*nigriventris* (KIEFFER, 1924): *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie*

(*Comptes Rendus*) **43**: 388 (*Trichotanypus*). Type-locality: [Germany, Schleswig-Holstein] “Lac de Selenter”. **Preoccupied**. Junior secondary homonym of *Procladius nigriventris* Kieffer, 1922.

### Subgenerically unplaced valid species of PROCLADIUS

- brunettii** (KIEFFER, 1911): *Records of the Indian Museum* **6**: 332 (*Pelopia*). Type-locality: [India, West Bengal] “Himalaya orientale: Darjiling, à une altitude de 2340 mètres”. — Distr.: **OR**: India (West Bengal).
- insularis** (KIEFFER, 1921): *Philippine Journal of Science* **18**: 574 (*Trichotanypus*). Type-locality: [Taiwan] “Formosa, Daitotei”. — Distr.: **OR**: Taiwan.
- lacteiclava** (KIEFFER, 1923): *Annales de la Société Linnéenne de Lyon* **69**: 41 (*Trichotanypus*). Type-localities: [Taiwan] {Formosa} “Daitotei et Maruyama”. — Distr.: **OR**: Taiwan.
- transiens** (KIEFFER, 1921): *Philippine Journal of Science* **18**: 575 (*Trichotanypus*; as var. of *insularis* Kieffer, 1921). Type-locality: [Taiwan] “Formosa, Daitotei”. — Distr.: **OR**: Taiwan.
- vitripennis** EDWARDS, 1923: *Treubia* **3**: 182 (*Procladius*). Type-locality: [Indonesia] {Java} “Buitenzorg” [= Bogor]. — Distr.: **OR**: India (Orissa), Indonesia (Java, Sumatra).

### Nomina dubia in PROCLADIINI

- abditus* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 386 (*Trichotanypus*). Type-locality: [Germany] “Lac de Watersevensdorf” [= Waterneversdorf]
- absconditus* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 390 (*Trichotanypus*). Type-locality: [Germany] “Lac de Holstein”.
- abyssorum* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 390 (*Trichotanypus*). Type-locality: [Germany] “Lac

Uckersee”.

*albiforceps* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 386. (*Trichotanypus*). Type-locality: [Title] “représentants Européens”.

*astictus* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 384 (*Trichotanypus*). Type-locality: [Germany, Schleswig-Holstein] “Grand lac de Ploen” [= Grösser Plöner See]. [Note]

*asticus*: incorrect subsequent spelling.

*aterrimus* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 386 (*Trichotanypus*). Type-locality: [Germany] “Lac Unterer Ausgrabensee”.

*atrinervis* KIEFFER, 1924: *Annales de la Société scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 384 (*Trichotanypus*). Type-locality: [Germany] “Lacs de Holstein”.

*bathocryptus* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 387 (*Trichotanypus*). Type-localities: [Germany, Schleswig-Holstein] “Lacs de Schluensee, Behlersee, Muritz, Schönsee et Dicksee” [= Dieksee].

*crassiforceps* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 385 (*Trichotanypus*). Type-locality: [Germany, Schleswig-Holstein] “Lac Dicksee” [= Dieksee].

*dimidiatus* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 388 (*Trichotanypus*). Type-localities: [Germany] “Lac d’Eutin et d’Einfeld (Holstein)”; [Poland] “Silésie” || ► Type-localities: [Germany] “Holstein : larves dans le grand lac d’Eutin, et dans celui d’Einfeld”; [Poland] “Silésie : Brieg” [Brieg = Brzeg] in Kieffer, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 102 ◀ ||. Senior primary homonym of *Trichotanypus dimidiatus* Kieffer, 1924.

*dimidiatus* KIEFFER, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle*

**30**: 102 (*Trichotanypus*). Type-localities: [Germany] “Holstein : larves dans le grand lac d'Eutin, et dans celui d'Einfeld”; [Poland] “Silésie : Brieg” [Brieg = Brzeg]. **Preoccupied**. Junior primary homonym of *Trichotanypus dimidiatus* Kieffer, 1924.

*distans* KIEFFER, 1909: *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 42 (*Tanypus*; as “*Distans*”). Type-locality: [in Title] “Allemagne” [= Germany] || ► Type-locality: [Germany] “Aus den westfälischen Talsperren. . . . Wie vorige” [= with the previous species (*Tanypus pectinatus* Kieffer), i.e. “Ennepetalsperre”] in Kieffer & Thienemann, 1909: *Jahresbericht des Westfälischen Provinzial-Vereins für Wissenschaft und Kunst* **1908/9**: 33-34 ◀ ||.

*distinguendus* KIEFFER, 1915: *Brotéria, Série Zoológica* **13**: 68 (*Trichotanypus*). Type-locality: “Deutschland (Oeventrop)”.

*duodenarius* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 388 (*Trichotanypus*). Type-locality: [Poland] “Silésie”.

*eupedilum* KIEFFER in THIENEMANN, 1916: *Verhandlungen des Naturhistorischen Vereins der Preussischen Rheinlande, Westfalens und des Regierungsbezirks Osnabrück* **72**: 46 (*Trichotanypus*). Type-locality: [Germany] [Title] “Eifelmaare”.

*fasciatus* MUELLER, 1923: *Verhandlungen der Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **73** [Preprint]: 102 (*Trichotanypus*). Type-locality: [France] “Tourcoing bei Lille”. Senior primary homonym of *Trichotanypus fasciatus* Mueller, 1924. [Note]

*fasciatus* MUELLER, 1924: *Verhandlungen der Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **73**: 102 (*Trichotanypus*). Type-locality: [France] “Tourcoing bei Lille”. **Preoccupied**. Junior primary homonym of *Trichotanypus fasciatus* Mueller, 1923.

*fusciventris* KIEFFER, 1918: *Entomologische Mitteilungen* **7**: 110 (*Trichotanypus*). Type-locality: Not given || ► Type-locality: “mit voriger” [= with the previous species], i.e. [Poland] “Lazaretschiffzug Danzig, Frisches Haff” in Kieffer,

1918: *Entomologische Mitteilungen* **7**: 164 ◀ ||. Senior primary homonym of *Trichotanytus fusciventris* Kieffer, 1918.

*fusciventris* KIEFFER, 1918: *Entomologische Mitteilungen* **7**: 164 (*Trichotanytus*).

Type-locality: “mit voriger” [= with the previous species], i.e. [Poland] “Lazarettsschiffzug Danzig, Frisches Haff”. Junior primary homonym of *Trichotanytus fusciventris* Kieffer, 1918.

*imicola* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 387 (*Trichotanytus*). Type-locality: [Germany] “Lac Hemmersdorf”.

*longilobus* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 387 (*Trichotanytus*). Type-locality: [Germany] “Lac Dicksee” [= Dieksee].

*niger* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 387 (*Trichotanytus*). Type-localities: [Germany] “Sources du lac Dicksee” [= Dieksee]; “lac de Behlersee”.

*obtusus* KIEFFER, 1918: *Entomologische Mitteilungen* **7**: 110 (*Trichotanytus*). Type-locality: [Czech Republic] “Böhmen”.

*occultus* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 388 (*Trichotanytus*). Type-locality: [Germany] “Lac de Trentsee”.

*ploenensis* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 386 (*Trichotanytus*). Type-locality: [Germany] “Grand lac de Ploen” [= Grösser Plöner See].

*profundorum* KIEFFER, 1923: *Bulletin de la Société Entomologique de France* **1922**: 297 (*Procladius*). Type-locality: [Germany] “Holstein”. [**Note**]

*profundorum* KIEFFER, 1924: *Annales de la Société scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 389 (*Trichotanytus*). Type-locality: [Germany] “Lac de Zarretin”. [**Note**]

*rivicola* KIEFFER, 1922: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes*



*Rendus*) **41**: 363 (*Trichotanypus*). Type-locality: [Germany] “Source au Sleswig-Holstein”. [Note]

*rufoscutellatus* MUELLER, 1923: *Verhandlungen der Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **73** [Preprint]: 101 (*Trichotanypus*; [p. 101] as “*rufoscutellatus* n. sp. seu. var. ”; [p. 103] as “*fusciventris* Kieff. . . . Var. *rufoscutellata*, n. var. oder sp. n.? ”). Type-localities: [France] “in Briey und in Longwy”. Senior primary homonym of *Trichotanypus rufoscutellatus* Mueller, 1924. [Note]

*rufoscutellata*: incorrect original spelling.

*rufoscutellatus* MUELLER, 1924: *Verhandlungen der Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **73**: 101 (*Trichotanypus*; [p. 101] as “*rufoscutellatus* n. sp. seu. var. ”; [p. 103] as “*fusciventris* Kieff. . . . Var. *rufoscutellata*, n. var. oder sp. n.? ”). Type-localities: [France] “in Briey und in Longwy”. **Preoccupied.** Junior primary homonym of *Trichotanypus rufoscutellatus* Mueller, 1923.

*rufoscutellata*: incorrect original spelling.

*silesiacus* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 386 (*Trichotanypus*). Type-locality: [Poland] “Silésie”.

*simplex* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 384 (*Trichotanypus*). Type-locality: “Olstad, en Norvège”.

*squamiger* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 384 (*Trichotanypus*). Type-locality: [Poland] “Lac de Posen” [= Poznan] || ► Type-locality: “Pologne : Posen, larve dans le grand lac de Fuczensee, à une profondeur de 15 mètres” [Posen = Poznan] in Kieffer, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 101 ◀ ||. Senior primary homonym of *Trichotanypus squamiger* Kieffer, 1924.

*squamiger* KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 101 (*Trichotanypus*). Type-locality: “Pologne : Posen, larve dans le grand lac de Fuczensee, à une profondeur de 15 mètres” [Posen = Poznan].

**Preoccupied.** Junior primary homonym of *Trichotanypus squamiger* Kieffer, 1924. [Note]

*stilifer* KIEFFER, 1915: *Archiv für Hydrobiologie Supplement 2*: 475 (*Trichotanypus*). Type-locality: [Germany] “Sassendorf”.

*subaequalis* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus) 43*: 387 (*Trichotanypus*). Type-localities: [Germany] “Lacs Heilenbeck et Dobersdorf”.

*tiberiadis* KIEFFER, 1915: *Journal and Proceedings of the Asiatic Society of Bengal 10*: 369 (*Trichotanypus*). Type-locality: [Israel] “Lac de Tibériade”.

#### Genus PSECTROTANYPUS KIEFFER

**PSECTROTANYPUS** KIEFFER, 1909: *Bulletin de la Société d'Histoire Naturelle de Metz 26*: 42. Type-species: *Psectrotanypus brevicealcar* Kieffer, 1909 [= *Tipula varia* Fabricius, 1787], by subsequent designation of Fittkau (1962: *Abhandlungen zur Larvalsystematik der Insekten 6*: 129).

**discolor** (COQUILLET, 1902): *Proceedings of the United States National Museum 25*: 89 (*Tanypus*). Type-locality: [U.S.A.] “Franconia, New Hampshire”. — Distr.: **NE**: Canada (Québec, Saskatchewan), U.S.A. (New Hampshire, South Carolina, Washington, Wisconsin).

**dyari** (COQUILLET, 1902): *Entomological News 13*: 85 (*Tanypus*). Type-localities: [U.S.A.] “Washington, D.C.” [= District of Columbia]; “Bellport, Long Island, N. Y.” [= New York]; “Cambridge, Mass.” [= Massachusetts]; “Detroit, Mich.” [= Michigan]. — Distr.: **NE**: Canada (British Columbia, Manitoba, Ontario, Québec, Saskatchewan), U.S.A. (California, Colorado, Connecticut, District of Columbia, Florida, Georgia, Illinois, Iowa, Kansas, Kentucky, Massachusetts, Michigan, Minnesota, Montana, Nevada, New Hampshire, New Jersey, New York, Pennsylvania, Rhode Island, South Carolina, Tennessee, Utah, Washington, Wyoming).

*guttularis* (COQUILLET, 1902): *Proceedings of the United States National Museum*

- 25:** 92 (*Tanypus*). Type-locality: [U.S.A.] “Pullman, Washington”.
- garretti* (WALLEY, 1925): *Canadian Entomologist* **57**: 275 (*Tanypus*). Type-locality: {Canada} “Oliver, B.C.” [= British Columbia].
- lateralis** CHENG & WANG, 2006: *Zootaxa* **1128**: 50 (*Psectrotanypus*). Type-locality: “CHINA: Yunnan Province, Wuding County, Shizishan Mountain”. — Distr.: **OR**: China (Yunnan).
- orientalis** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 133 (*Psectrotanypus*; as nov. spec. [= nom. nov.] for *varius* sensu Tokunaga, 1937 nec *varius* Fabricius, 1787). Type-locality: “Japan” || ▶ Type-localities: [Japan] “Kyoto: Kitashirakawa”; “Kibune”; “Miyake-Hachiman”; “Shiga, Mount Ryozen”; “Tottori, Mount Daisen” in Tokunaga, 1937: *Philippine Journal of Science* **62**: 35-40 ◀ ||. — Distr.: **PA**: Japan.
- togatibea* (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 213 (*Krenopelopia*). Type-locality: [Japan] “Momose”.
- pictipennis** (ZETTERSTEDT, 1838): *Insecta Lapponica* [Heft 3]: 818 (*Tanypus*). Type-locality: “Groenlandia” [= Greenland]. — Distr.: **NE**: Greenland; **PA**: Russia (NET), Sweden.
- schwetzi** (FREEMAN, 1955): *Bulletin of the British Museum (Natural History)* Entomology **4**: 45 (*Anatopynia*). Type-locality: [Rwanda & Burundi] “Belgian Congo, Ruanda Urundi”. — Distr.: **AF**: Burundi, Rwanda, Uganda.
- varius** (FABRICIUS, 1787): *Mantissa Insectorvm* Tome II: 325 (*Tipula*). Type-locality: [Germany] “Habitat Kiliae” [= Kiel]. — Distr.: **PA**: Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Luxembourg, Moldova, Morocco, Netherlands, Norway, Poland, Romania, Russia (CET, NET, East Siberia, Far East), Sicily, Slovakia, Spain, Sweden, Switzerland, Turkey, ¶Yugoslavia; **OR**: China (Fujian, Guangxi).
- brevicalcar* KIEFFER, 1909: *Bulletin de la Société d'Histoire Naturelle de Metz* **26**:

43 (*Psectrotanypus*; as “*Brevicalcar*”). Type-locality: {Allemagne} “Larves dans l’eau sale. Westphalie”.

*stagnicola* KIEFFER, 1911: *Bulletin de la Société d’Histoire Naturelle de Metz* **27**: 10 (*Psectrotanypus*; as var. of *brevicalcar* Kieffer, 1909). Type-locality: [Introduction] “Allemagne” [= Germany].

*thummi* KIEFFER, 1911: *Bulletin de la Société d’Histoire Naturelle de Metz* **27**: 9 (*Psectrotanypus*; as var. of *brevicalcar* Kieffer, 1909). Type-locality: “Allemagne” [= Germany].

*diplosis* KIEFFER, 1918: *Entomologische Mitteilungen* **7**: 166 (*Psectrotanypus*; as var. of *brevicalcar* Kieffer, 1909). Type-localities: “Ungarn” [= Austro-Hungarian Empire]; “Schweden” [= Sweden] || ► Type-localities: “Hongrie: Budapest, Gyón, Hortobágy”; [Slovakia] “Munkács” [= Munkačevo]; [Slovakia] “Pelsőcz”; [Slovakia] “Pöstyén”; [Hungary] “Székes-Fehérvár” in Kieffer, 1919: *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 156 ◀ ||. Senior primary homonym of *Psectrotanypus diplosis* Kieffer, 1919. [Note]

*diplosis* KIEFFER, 1919: *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 156 (*Psectrotanypus*; as var. of *brevicalcar* Kieffer, 1909). Type-localities: “Hongrie: Budapest, Gyón, Hortobágy”; [Slovakia] “Munkács” [= Munkačevo]; [Hungary] “Pelsőcz”; [Slovakia] “Pöstyén”; [Hungary] “Székes-Fehérvár”. Junior primary homonym of *Psectrotanypus diplosis* Kieffer, 1918. [Note]

*pallescens* VIMMER, 1927: *Acta Societatis Scientiarum Naturalium Moravo-Silesiacae* **4**: 76 (*Psectrotanypus*). Type-locality: [Czech Republic] “Březhrad”. [Note]

*pallens*: incorrect subsequent spelling.

sp.: FITTKAU & REISS, 1979: *Spixiana* **2**: 274 (*Psectrotanypus*). Locality: [Country not specified] “tropischen und sub tropischen Südamerika unterhalb der 500 m Höhenlinie” [= tropical and subtropical South America below the 500 m mark

of altitude]. — Distr.: NT: Country not specified. [Note]

**Nomina dubia in PSECTROTANYPUS**

*brevicornis* KIEFFER, 1923: *Bulletin de la Société Entomologique de France* **1922**: 296 (*Psectrotanypus*). Type-locality: [Poland] “Silésie” || ▶ Type-locality: [Poland] “Silésie : Brieg” [Brieg = Brzeg] in Kieffer, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 103 ◀ ||. Senior primary homonym of *Psectrotanypus brevicornis* Kieffer, 1924. [Note]

*brevicornis* KIEFFER, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 103 (*Psectrotanypus*). Type-locality: [Poland] “Silésie : Brieg” [Brieg = Brzeg]. Junior primary homonym of *Psectrotanypus brevicornis* Kieffer, 1923.

Genus **RADOTANYPUS** FITTKAU & MURRAY

**RADOTANYPUS** FITTKAU & MURRAY, 1986: *Spixiana Supplement* **11**: 209. Type-species: *Anatopynia submarginella* Sublette, 1964, by original designation.

**florens** (JOHANNSEN, 1908): *Bulletin of the New York State Museum* **124**: 272 (*Tanypus*). Type-localities: [U.S.A.] “Ithaca, N.Y.” [= New York]; “Boulder and Florissant, Col.” [= Colorado]; “Washington state”. — Distr.: NE: Canada (Alberta, Manitoba), U.S.A. (Arizona, California, Colorado, Nevada, New York, Ohio, Washington, Wyoming).

**submarginella** (SUBLETTE, 1964): *Proceedings of the United States National Museum* **115**: 103 (*Anatopynia (Anatopynia)*). Type-locality: [U.S.A.] {California} “Modoc Co., Fandango Pass”. — Distr.: NE: U.S.A. (California, Colorado, Oregon, Wyoming).

Genus **REOMYIA** ROBACK

**REOMYIA** ROBACK, 1986: *Spixiana* **9**: 283. Type-species: *Zavreliomyia wartinbei* Roback, 1984, by original designation.

**wartinbei** (ROBACK, 1984): *Proceedings of the Academy of Natural Sciences of*

*Philadelphia* **136**: 17 (*Zavreliomyia*). Type-locality: [U.S.A.] {Alaska} “Kodiak Island: . . . small stream entering Anton Larsen Bay”. — Distr.: **NE**: U.S.A. (Alaska, Oregon).

Genus **RHEOPELOPIA** FITTKAU, 1962

**RHEOPELOPIA** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 209.

Type-species: *Tanypus ornatus* Meigen, 1838, by original designation.

**acra** (ROBACK, 1971): *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 243 (*Thienemannimyia (Rheopelopia)*). Type-locality: [U.S.A.] “Michigan — Below Keons Bridge, Ogemaw”. — Distr.: **NE**: Canada (Québec), U.S.A. (Georgia, Maine, Michigan, Tennessee, West Virginia).

**eximia** (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 290 (*Pentaneura*). Type-locality: [Great Britain] “Llangollen”. — Distr.: **PA**: Germany, Great Britain, Ireland.

**maculipennis** (ZETTERSTEDT, 1838): *Insecta Lapponica* [Heft 3]: 818 (*Tanypus*). Type-localities: [Sweden] “in Lapponia . . . in Nordlandia ad Björkvik”; “Tornoa”; “(Lapponia; Botnia borealis.)”. — Distr.: **PA**: Algeria, Austria, Corsica, Denmark, Finland, France, Germany, Great Britain, Greece, Ireland, Japan, Lebanon, Morocco, Norway, Portugal, Romania, Russia (CET), Spain, Sweden, Switzerland.

**murrayi** DOWLING, 1983: *Memoirs of the American Entomological Society* **34**: 91 (*Rheopelopia*). Type-locality: “Morroco . . . n. Tata, Moyen Dra.”. — Distr.: **PA**: Algeria, Morocco.

**ornata** (MEIGEN, 1838): *Systematische Beschreibung* **7**: 14 (*Tanypus*). Type-locality: [Belgium] “aus der Gegend von Lüttich” [Lüttich = Liège]. — Distr.: **PA**: Austria, Belgium, Corsica, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Greece, Hungary, Ireland, Italy, Japan, Macedonia, Morocco, Netherlands, Poland, Romania, Russia (CET, Far East), Slovakia, Spain, Switzerland.

*ornata*: **Not Nearctic**.

*brachyepidulum* (KIEFFER, 1921): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 104 (*Psectrotanypus*). Type-locality: [Poland] “Silésie”.

*joganflava* (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 67 (*Krenopelopia*). Type-locality: {Japan} [Abstract, p. 52] “Joganji River”.

*asamavirus* (SASA & HIRABAYASHI, 1993): *Japanese Journal of Sanitary Zoology* **44**: 391 (*Macropelopia*). Type-locality: {Japan} [page 362] “Kamikochi”.

**paramaculipennis** (ROBACK, 1971): *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 243 (*Thienemannimyia (Rheopelopia)*). Type-locality: [U.S.A.] “Virginia — Falls Church”. — Distr.: **NE**: Canada (Québec), U.S.A. (Illinois, Virginia).

**perda** (ROBACK, 1971): *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 244 (*Thienemannimyia (Rheopelopia)*). Type-locality: [U.S.A.] “New York — Ithaca”. — Distr.: **NE**: Canada (Alberta., Ontario), U.S.A. (Georgia, Idaho, Minnesota, New York, Pennsylvania; **PA**: Romania, Russia (NET).

**toyamazea** (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996**(March): 46 (*Thienemannimyia*). Type-locality: [page 16, Introduction] “Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill . . . Lake A” [= ground pool “A”, page 17]. — Distr.: **PA**: Japan.

*ginzanuvea* (SASA & SUZUKI, 2001): *Tropical Medicine* **43**: 24 (*Conchapelopia*). Type-locality: {Japan, Hokkaido} [p. 8] “Ginzan”.

**tuberculata** (CHAUDHURI & DEBNATH, 1987): *Proceedings of the Zoological Society, Calcutta* **36**: 53 (*Thienemannimyia (Rheopelopia)*). Type-locality: {India} “West Bengal, Jainti”. — Distr.: **OR**: India (West Bengal).

sp.: RUIZ-MORENO, OSPINA-TORRES, GÓMEZ-SIERRA & RISS, 2000: *Caldasia* **22**(1): 50 (*Rheopelopia*). Locality: {Colombia} “en las aguas corrientes de la sabana de Bogotá y sus montañas circundantes” [= in streams of the Sabana de Bogotá

and surrounding mountains]. — Distr.: **NT**: Colombia. [**Note**]

sp. 1: HAASE & NOLTE, 2008: *Ecological Indicators* **8**: 607 (*Rheopelopia*). Locality: [Title] “streams in southeast Queensland, Australia”. — Distr.: **AU**: Australia (Queensland).

Genus **SAETHEROMYIA** NIITSUMA

**SAETHEROMYIA** NIITSUMA, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 220. Type-species: *Psilotanypus tedoriprimus* Sasa, 1994, by original designation.

**tedoriprimus** (SASA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 52 (*Psilotanypus*). Type-locality: {Japan} [p. 49] “side of the Tedor Dam”. — Distr.: **PA**: Japan.

Genus **SCHINERIELLA** MURRAY & FITTKAU

**SCHINERIELLA** MURRAY & FITTKAU, 1988: *Spixiana Supplement* **14**: 247. Type-species: *Tanypus schineri* Strobl, 1880, by original designation.

**schineri** (STROBL, 1880): *Dipterologische Funde um Seitenstetten*: 55 (*Tanypus*; as nom. nov. for *binotatus* sensu Schiner, 1862 nec *binotatus* Wiedemann, 1817). Type-locality: {Nieder-Österreichs, Seitenstetten} “Trefling” [= Treffling] [Nieder-Österreichs = Lower Austria]. — Distr.: **PA**: Austria, Belgium, Denmark, France, Germany, Great Britain, Italy, Netherlands, Romania, Russia (Far East), Turkey.

Genus **TANYPUS** MEIGEN

**TANYPUS** MEIGEN, 1803: *Magazin für Insektenkunde (Illiger)* **2**: 261. Type-species: *Tipula cincta* Fabricius, 1775 sensu Latreille, 1810 [misidentified = *Tanypus punctipennis* Meigen, 1818], by subsequent designation of Latreille (1810: *Considérations générales*: 442).

**PELOPIA** MEIGEN, 1800: *Nouvelle Classification*: 18. Type-species: *Tipula cincta* Fabricius, 1775, sensu Coquillett, 1910 [misidentified = *Tanypus punctipennis*



Meigen, 1818], by subsequent designation of Coquillett (1910: *Proceedings of the United States National Museum* **37**: 586). Synonymized with *Tanypus* Meigen, 1803, by Hendel (1908: *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **58**: 49). *Pelopia* Meigen, 1800, suppressed by ICZN, 1963: *Bulletin of Zoological Nomenclature* **20**: 339 (Opinion 678).

**PROTENTHES** JOHANNSEN, 1907: *Entomological News* **18**: 400. Type-species: *Tanypus punctipennis* Meigen, 1818, by original designation. Synonymized with *Tanypus* Meigen, 1803, by Kieffer (1909: *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 41). [Note]

**APELOPIA** ROBACK, 1971: see below as subgenus.

**TANYPUS** MEIGEN, 1803: see below as subgenus.

#### Subgenus **APELOPIA** ROBACK

**APELOPIA** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 55. Type-species: *Tanypus neopunctipennis* Sublette, 1964, by original designation.

**clavatus** BECK, 1962: *Florida Entomologist* **45**: 92 (*Tanypus*). Type-locality: [U.S.A.] “Santa Rosa, Fla.”. — Distr.: **NE**: U.S.A. (Alabama, Florida, Kentucky, Mississippi, North Carolina, Texas).

**grodhausi** SUBLETTE, 1964: *Proceedings of the United States National Museum* **115**: 116 (*Tanypus*). Type-locality: [U.S.A.] {California} “Parks Air Force Base, Alameda Co.”. — Distr.: **NE**: U.S.A. (California).

**imperialis** SUBLETTE, 1964: *Proceedings of the United States National Museum* **115**: 112 (*Tanypus*). Type-locality: [U.S.A.] {California} “Laguna Lake, Imperial Co.”. — Distr.: **NE**: U.S.A. (California, New Mexico).

**neopunctipennis** SUBLETTE, 1964: *Proceedings of the United States National Museum* **115**: 118 (*Tanypus*). Type-locality: [U.S.A.] “East St. Louis, Ill.” [= Illinois]. — Distr.: **NT**: Bahamas, Mexico (Oaxaca, Veracruz); **NE**: U.S.A. (Alabama, Arizona, California, Delaware, Florida, Georgia, Illinois, Iowa, Louisiana,

Maryland, Minnesota, Missouri, Nebraska, New Jersey, Oklahoma, Pennsylvania, Tennessee, Texas).

**nubifer** COQUILLET, 1905: *Journal of the New York Entomological Society* **13**: 66 (*Tanypus*). Type-locality: [U.S.A.] “Salt Lake, Utah”. — Distr.: **NE**: Canada (Manitoba), U.S.A. (California, Kansas, Nebraska, Nevada, New Mexico, Utah).

sp.: ROBACK & COFFMAN, 1989: *Proceedings of the Academy of Natural Sciences of Philadelphia* **141**: 89 (*Tanypus (Apelopia)*). Locality: {India, Tamil Nadu} “a rice paddy near Madurai”. — Distr.: **OR**: India (Tamil Nadu).

sp.: WATSON & HEYN, 1993: *Netherlands Journal of Aquatic Ecology* **26**: 259 (*Tanypus (Apelopia)*). Locality: “Costa Rica . . . G 20 - 470 m” [G 20 - 470 m = Guanacaste Province 20 - 470 metres]. — Distr.: **NT**: Costa Rica.

#### Subgenus **TANYPUS** MEIGEN

**brevipalpis** (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 187 (*Protenthes*). Type-locality: “Soudan : Shambe” [Soudan = Sudan]. — Distr.: **PA**: ?Morocco; **AF**: Burkina Faso, Chad, D. R. Congo, Nigeria, Senegal, Sudan, Tanzania.

*dewulfi* GOETGHEBUER, 1935: *Revue de Zoologie et de Botanique Africaines* **27**: 353 (*Tanypus*; as “*Dewulfi*”). Type-locality: [Democratic Republic of the Congo] “P. N. A. : Vitshumbi” [P. N. A. = Parc National Albert].

**carinatus** SUBLETTE, 1964: *Proceedings of the United States National Museum* **115**: 110 (*Tanypus*). Type-locality: [U.S.A.] {California} “3 miles south of Woodside, San Mateo Co.”. — Distr.: **NE**: U.S.A. (California, Georgia, Michigan, Mississippi, Missouri, Pennsylvania, South Carolina).

**catemaco** (ROBACK, 1964): *Entomological News* **75**: 141 (*Pelopia*). Type-locality: “Lake Catemaco, Veracruz, Mexico”. — Distr.: **NT**: Mexico (Veracruz).

**chaudhuri** ASHE & O’CONNOR, 2009: *Entomologist’s Monthly Magazine* **145**: 158 (*Tanypus (Tanypus)*; as nom. nov. for *Tanypus (Tanypus) tenebrosus*

Chaudhuri, Das & Debnath, 1988 nec *Tanypus tenebrosus* Coquillett, 1905). —  
Distr.: **OR**: India (West Bengal).

*tenebrosus* CHAUDHURI, DAS & DEBNATH, 1988: *Polskie Pismo Entomologiczne*  
**55**: 105 (*Tanypus (Tanypus)*). Type-locality: {India} “West Bengal, Raniganj”.  
**Preoccupied**. Junior primary homonym of *Tanypus tenebrosus* Coquillett,  
1905.

**chinensis** WANG, 1994: *Entomotaxonomia* **16**: 135 (*Tanypus*). Type-locality: {China}  
“Donghu Lake, Wuchang” [in Hubei Province]. — Distr.: **PA**: China (Hebei,  
Liaoning); **OR**: China (Guizhou, Hubei, Hunan). Senior primary homonym of  
*Tanypus chinensis* Wang, 1997.

*chinensis* WANG, 1997: *Invertebrates of Wuling Mountain Area, Southwestern*  
*China*: 530 (*Tanypus*). Type-locality: [English Abstract] “Wuling Mountain  
Area in southwestern China”. **Preoccupied**. Junior primary homonym of  
*Tanypus chinensis* Wang, 1994.

**complanatus** SÆTHER, 2004: *Annales de Limnologie* **40**: 287 (*Tanypus*). Type-locality:  
“Seychelles : Mahé, Marc aux Cochons”. — Distr.: **AF**: Seychelles.

**concavus** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia*  
**17**: 63 (*Tanypus (Tanypus)*). Type-locality: [U.S.A.] “Michigan — E. S. George  
Reserve, Livingston Co.”. — Distr.: **NE**: U.S.A. (Arkansas, Iowa, Kansas,  
Michigan, New York, North Carolina, Ohio, South Carolina, Texas, Virginia).

**formosanus** (KIEFFER, 1912): *Supplementa Entomologica* **1**: 31 (*Procladius*). Type-  
locality: [Taiwan] [Introduction, p. 27] “Insel Formosa . . . in der Nähe der  
Hauptstadt Tainan”. — Distr.: **OR**: Taiwan.

**fuscus** FREEMAN, 1955: *Bulletin of the British Museum (Natural History)* Entomology **4**:  
50 (*Tanypus*; as nom. nov. for *Tanypus obscurus* (Kieffer, 1923) nec *Tanypus*  
*obscurus* Macquart, 1826). — Distr.: **AF**: Benin, Burkina Faso, Cameroon,  
Chad, D. R. Congo, Ghana, Malawi, Mali, Nigeria, Senegal, Sudan, Uganda.

*obscurus* (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 189  
(*Protenthes*; as var. of *brevipalpis* Kieffer, 1923). Type-locality: “Soudan :

Shambe” [Soudan = Sudan]. **Preoccupied.** Junior secondary homonym of *Tanypus obscurus* Macquart, 1826.

**grandis** CHAUDHURI, DAS & DEBNATH, 1988: *Polskie Pismo Entomologiczne* **55**: 100 (*Tanypus (Tanypus)*). Type-locality: {India} “West Bengal, Raniganj”. — Distr.: **OR**: India (West Bengal).

**guttatipennis** GOETGHEBUER, 1935: *Revue de Zoologie et de Botanique Africaines* **27**: 354 (*Tanypus*). Type-locality: [Democratic Republic of the Congo] “P. N. A. : Vitshumbi” [P. N. A. = Parc National Albert]. — Distr.: **AF**: Chad, D. R. Congo, Ethiopia, Nigeria, Senegal, South Africa, Uganda, Zimbabwe.

**kraatzi** (KIEFFER, 1912): *Bulletin de la Société Entomologique de France* **1912**: 103 (*Trichotanypus*; as “*Kraatzi*”). Type-locality: Not given || ▶ Type-localities: {Allemagne} [= Germany] “Larves dans l’étang de Buschmühle près de Hörde en Westphalie et dans l’étang de Otterbachsteich en Thuringie” in Kieffer, 1913: *Bulletin de la Société d’Histoire Naturelle de Metz* **28**: 14 ◀ ||. — Distr.: **PA**: Algeria, Austria, Belarus, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Greece, Hungary, Italy, Latvia, Lebanon, Liechtenstein, Lithuania, Macedonia, Moldova, Morocco, Netherlands, Poland, Romania, Russia (CET, NET, SET, East Siberia, Far East), Sardinia, Slovakia, Spain, Switzerland, Turkey, ¶Yugoslavia. Senior primary homonym of *Tanypus kraatzi* Kieffer, 1913. [Note]

*kraatzi* (KIEFFER, 1913): *Bulletin de la Société d’Histoire Naturelle de Metz* **28**: 14 (*Trichotanypus*; as “*Kraatzi*”). Type-localities: {Allemagne} [= Germany] “Larves dans l’étang de Buschmühle près de Hörde en Westphalie et dans l’étang de Otterbachsteich en Thuringie”. Junior primary homonym of *Tanypus kraatzi* Kieffer, 1912.

**lacustris** (KIEFFER, 1913): *Résultats Scientifiques Voyage de Ch. Alluaud et R. Jeannel en Afrique Orientale (1911-1912) (Diptères)* **1**: 13 (*Trichotanypus*). Type-locality: [Kenya] “Afrique Orientale Anglaise : Naivasha, station de l’Uganda railway, chef-lieu de province, sur les bords du lac Naivasha, altitude de 1.900 m.”. —

Distr.: **AF**: Burkina Faso, Cameroon, Chad, D. R. Congo, Kenya, Malawi, Niger, Nigeria, South Africa, Uganda.

*maculosipennis* GOETGHEBUER, 1934: *Revue de Zoologie et de Botanique Africaines* **25**: 194 (*Tanypus*). Type-locality: [Democratic Republic of the Congo] {Congo Belge} “Pris à Kisantu”.

**lauroi** SERPA-FILHO & OLIVEIRA, 1992: *Memórias do Instituto Oswaldo Cruz* **87** (Supplement 1): 259 (*Tanypus*). Type-locality: “margens do riacho do Bananal, Bicho-Grosso, município de Itambacurí (Estrada Rio-Bahia, Vale do Rio Doce), Minas Gerais, Brazil”. — Distr.: **NT**: Brazil. [**Note**]

**lenzi** SPIES & REISS, 1996: *Spixiana Supplement* **22**: 82 (*Tanypus*; as new name for *Pelopia marginata* Lenz, 1950, preoccupied by *Tanypus* (*Macropelopia*) *marginatus* Kieffer, 1918, when both included in *Tanypus* Meigen, 1803). — Distr.: **NT**: Brazil.

*marginata* (LENZ, 1950): *Zoologischer Anzeiger* **145**: 503 (*Pelopia*). Type-locality: “NO-Brasilien, Est. Parahyba, Campina Grande, Açude Doublo (Kleiner Stauteich)”. Junior secondary homonym of *Tanypus* (*Macropelopia*) *marginatus* Kieffer, 1918.

**lucidus** CHAUDHURI, DAS & DEBNATH, 1988: *Polskie Pismo Entomologiczne* **55**: 103 (*Tanypus* (*Tanypus*)). Type-locality: {India} “West Bengal, Raniganj”. — Distr.: **OR**: India (West Bengal).

**olesaetheri** ASHE & O'CONNOR, 2009: *Entomologist's Monthly Magazine* **145**: 159 (*Tanypus* (*Tanypus*); as nom. nov. for *Procladius bilobatus* Kieffer, 1913 nec *Tanypus bilobatus* Kieffer, 1910). — Distr.: **OR**: India (West Bengal).

*bilobatus* (KIEFFER, 1913): *Records of the Indian Museum* **9**: 155 (*Procladius*). Type-locality: [India] “Asansol, Bengal”. **Preoccupied**. Junior secondary homonym of *Tanypus bilobatus* Kieffer, 1910.

**parastellatus** SUBLETTE, 1964: *Proceedings of the United States National Museum* **115**: 113 (*Tanypus*). Type-locality: [U.S.A.] {California} “Laguna Lake, Imperial Co.”. — Distr.: **NE**: U.S.A. (Arizona, California, Nevada, Texas).

**photophilus** KIEFFER, 1910: *Memoirs of the Indian Museum* **2**: 223 (*Tanypus*). Type-locality: [India] “Calcutta”. — Distr.: **OR**: India (?Andhra Pradesh, West Bengal).

**punctipennis** MEIGEN, 1818: *Systematische Beschreibung* **1**: 61 (*Tanypus*). Type-locality: [Title] “europäischen” [= European]. — Distr.: **NT**: ?Argentina, ?Brazil, ?Chile; **NE**: Canada (British Columbia, Manitoba, Ontario, Québec, Saskatchewan), U.S.A. (Alabama, California, Florida, Georgia, Illinois, Maryland, Massachusetts, Michigan, Nebraska, New Jersey, New York, Nevada, Pennsylvania, South Carolina, South Dakota, Washington, Wisconsin); **PA**: Albania, Belgium, Bulgaria, China (Gansu, Hebei, Jilin, Liaoning, Ningxia, Shandong, Shanxi), Czech Republic, Denmark, Finland, France, Germany, Great Britain, Greece, Hungary, Ireland, Italy, Japan, Kaliningrad, Lebanon, Liechtenstein, Lithuania, Macedonia, Moldova, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, SET, East Siberia, Far East, West Siberia), Sicily, Slovakia, South Korea, Spain, Sweden, Switzerland, Syria, Turkey, Ukraine, ¶Yugoslavia; **OR**: China (Anhui, Fujian, Guangdong, Guangxi, Hubei, Jiangsu, Sichuan, Zhejiang), Taiwan.

*bifurcatus* KIEFFER, 1909: *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 41 (*Tanypus*; as “*Bifurcatus*”). Type-locality: {Allemagne} [= Germany] “Larves dans l'eau sale. Dortmund”.

*ferrugineus* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 165 (*Protenthes*; as var. of *punctipennis* Meigen, 1818). Type-locality: Not given.

*moravicus* (KIEFFER in ZAVŘEL, 1926): *Acta Societatis Scientiarum Naturalium Moravo-Silesiaca* **3**: 281 (*Protenthes*). Type-locality: [Czech Republic] [p. 276] “Fluss »Morava« bei Hodonín”.

*inaveua* (SASA, KITAMI & SUZUKI, 2001): *Memoirs of the Museum of Dr. Hideyo Noguchi*: 23 (*Zavrelimyia*). Type-locality: [page 2, Abstract] “Lake Inawashiro . . . situated in a northern region of Japan”.

? *annulata* (LINNAEUS, 1767): *Systema naturæ* (12th Edition) **1** (2): 974 (*Tipula*).

Type-locality: “Habitat in Svecia . . . Hammarby” [Svecia = Sweden]. Junior primary homonym of *Tipula annulata* Linnaeus, 1758: *Systema naturæ* (10th Edition) **1**: 586, currently as *Discobola annulata* (Linnaeus, 1758) in the Family Tipulidae. **Questionable synonym.** [Note]

? *cincta* (FABRICIUS, 1775): *Systema entomologicae*: 752 (*Tipula*; as nom. nov. for *Tipula annulata* Linnaeus, 1767 nec *Tipula annulata* Linnaeus, 1758).

**Questionable synonym.**

**riparius** (KIEFFER, 1911): *Records of the Indian Museum* **6**: 332 (*Pelopia*). Type-locality: [India] “Himalaya occidental: Barogh, dans les montagnes de Simla, à une altitude de 1700 mètres, voltigeant le long d’une petite rivière”. — Distr.: **OR**: India (Himachal Pradesh).

**saltatrix** (KIEFFER, 1911): *Records of the Indian Museum* **6**: 330 (*Pelopia*). Type-locality: [India] “Himalaya occidental: Simla, à une altitude de 2340 mètres. — Distr.: **OR**: India (Himachal Pradesh).

**stellatus** COQUILLET, 1902: *Proceedings of the United States National Museum* **25**: 89 (*Tanypus*). Type-locality: [U.S.A.] Texas. — Distr.: **NT**: Nicaragua; **NE**: Canada (Alberta, Ontario), U.S.A. (California, Florida, Georgia, Illinois, Indiana, Iowa, Louisiana, Maryland, Michigan, Minnesota, Missouri, Nebraska, New York, Ohio, Oklahoma, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah, Wisconsin); **PA**: Russia (Far East). [Note]

*americanus* (KIEFFER, 1923): *Bulletin de la Société Entomologique de France* **1922**: 297 (*Protenthes*; as var. of *punctipennis* Meigen, 1818). Type-locality: [U.S.A.] “Dallas, Texas”. **Syn. nov.** [Note]

**telus** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 68 (*Tanypus* (*Tanypus*)). Type-locality: [U.S.A.] “Florida — Sebring”. — Distr.: **NE**: U.S.A. (Florida).

**vilipennis** (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 164. (*Protenthes*). Type-locality: “Ungarn” [= Austro-Hungarian Empire] || ► Type-locality: [Romania] “Hongrie: Felsőbánya” [Felsőbánya = Baia Sprie] in Kieffer, 1919: *Annales*

*Historico-Naturales Musei Nationalis Hungarici* **17**: 137 ◀ ||. — Distr. **NE**: Canada (Manitoba), U.S.A. (Michigan, Wisconsin); **PA**: Belgium, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Kaliningrad, Liechtenstein, Moldova, Netherlands, Norway, Poland, Romania, Russia (CET, NET, SET, East Siberia, Far East, West Siberia), Slovakia, Spain, Sweden, Switzerland, Turkey. Senior primary homonym of *Protenthes vilipennis* Kieffer, 1919. [**Note**]

*vilipennis* (KIEFFER, 1919): *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 137 (*Protenthes*). Type-locality: [Romania] “Hongrie: Felsőbánya” [Felsőbánya = Baia Sprie]. Junior primary homonym of *Protenthes vilipennis* Kieffer, 1918.

sp.: ROBACK, 1982: *Proceedings of the Academy of Natural Sciences of Philadelphia* **134**: 81 (*Tanypus (Tanypus)*). Localities: {Australia} “Northern Territory: . . . Coonjimba Lagoon, Magela Creek System, Jabiru East”; “Goanna Lagoon, Gulungil Creek, Alligator Rivers Region”. — Distr.: **AU**: Australia (Northern Territory).

sp.: ROBACK & COFFMAN, 1989: *Proceedings of the Academy of Natural Sciences of Philadelphia* **141**: 88 (*Tanypus (Tanypus)*). Locality: {India, Tamil Nadu} “a rice paddy near Madurai”. — Distr.: **OR**: India (Tamil Nadu).

### Nomina dubia in TANYPUS

*pictipennis* (PHILIPPI, 1866): *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **15**: 599 (*Chironomus*). Type-locality: {Chile} “Prope Santiago”. [**Note**]

*stictolabis* (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **42**: 179 (*Protenthes*). Type-locality: [Czech Republic] “Bohême : Königgrätz” [= Hradec Králové]. Senior primary homonym of *Protenthes stictolabis* Kieffer, 1926.

*stictolabis* (KIEFFER in ZAVŘEL, 1926): *Acta Societatis Scientiarum Naturalium*



*Moravo-Silesiaca* **3**: 276 (*Protenthes*). Type-locality: [Czech Republic] “Hradec Králové”. Junior primary homonym of *Protenthes stictolabis* Kieffer, 1923.

Genus **TELMATOPELOPIA** FITTKAU

**TELMATOPELOPIA** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten*

**6**: 275. Type-species: *Tanypus nemorum* Goetghebuer, 1921, by original designation.

**nemorum** (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8**: 69 (*Tanypus*). Type-localities: {Belgique} [p. 187] “Les Flandres”; “Gedinne (H. B.)” [H. B. = Haute Belgique]. — Distr.: **PA**: Austria, Azores, Belarus, Belgium, Czech Republic, Finland, Germany, Great Britain, Ireland, Italy, Morocco, Netherlands, Russia (CET, NET, Far East), Slovakia, Sweden, Switzerland, Turkey. [Note]

Genus **TELOPELOPIA** ROBACK

**TELOPELOPIA** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 255. Type-species: *Tanypus okoboji* Walley, 1928, by original designation.

**fascigera** (VERNEAUX, 1970): *Annales Scientifiques de l'Université de Besançon Besançon — Zoologie, Physiologie et Biologie Animale (Série 3)* **6**: 59 (*Conchapelopia*). Type-localities: [France] “rivière le Doubs : (1) au pont de Crissey (aval de Dole, Jura) — altitude : 195,2 m, (2) en aval de Saunières — altitude : 172,4 m”; “rivière la Saône en aval de la confluence avec le Doubs : (3) au niveau du confluence de la Grosne : altitude : 171 m, (4) en aval de Trevoux : altitude 167,7 m”; “rivière la Seine : (5) dans la retenue de la Centrale thermique (E.D.F.) de Montereau — altitude : 50 m”. — Distr.: **PA**: Austria, Czech Republic, Finland, France, Germany, Greece, Italy, Macedonia, Morocco, Netherlands, Slovakia, Spain, Syria, ¶Yugoslavia.

*maroccana* MURRAY, 1980: *Acta Universitatis Carolinae Biologica* **1978**: 151

(*Telopelopia*). Type-locality: “Morocco”.

**okoboji** (WALLEY, 1928): *Annals of the Entomological Society of America* **21**: 582 (*Tanypus*). Type-locality: [U.S.A.] “Lake Okoboji, Iowa”. — Distr.: **NE**: Canada (Manitoba), U.S.A. (Iowa, Kansas, Maryland, Minnesota, New Mexico, Ohio, Virginia).

Genus **THIENEMANNIMYIA** FITTKAU

**THIENEMANNIMYIA** FITTKAU, 1957: *Archiv für Hydrobiologie* **53**: 315. Type-species: *Abla[s]besmyia geijkesi* Goetghebuer, 1934, by original designation.

**barberi** (COQUILLET, 1902): *Proceedings of the United States National Museum* **25**: 90 (*Tanypus*). Type-locality: [U.S.A.] “Las Vegas Hot Springs, New Mexico”. — Distr.: **NE**: U.S.A. (Arizona, California, Colorado, Kansas, Nevada, New Mexico, Utah, Washington); **OR**: China (Yunnan).

**berkanea** DOWLING, 1987: *Entomologica Scandinavica Supplement* **29**: 156 (*Thienemannimyia*). Type-locality: “Berkane, Morocco”. — Distr.: **PA**: Israel, Morocco.

**carnea** (FABRICIUS, 1805): *Systema antliatorum*: 41 (*Chironomus*). Type-locality: [Denmark] “Hafniae” [= Copenhagen]. — Distr.: **PA**: Austria, Belgium, Canary Islands, Croatia, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Luxembourg, Netherlands, Norway, Poland, Russia (CET, Far East), Slovakia, Spain, Sweden.

*albipes* (FRIES, 1823): *Monographia Tanyporum Sveciæ*: 16 (*Tanypus*). Type-localities: [Sweden] “Foss Bahusiæ” [= town of Foss, in Bohuslän Province]; “Scania” [= Scåne Province]. [**Note**]

*niveiforceps* (KIEFFER, 1911): *Bulletin de la Société d'Histoire Naturelle de Metz* **27**: 18 (*Pelopia*; as var. of *ornata* Meigen, 1818). Type-locality: [Introduction] “Allemagne” [= Germany].

*incurvatus* (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8**: 61 [& 167] (*Tanypus*). Type-locality: {Belgique} [p. 187]

“Virton (H. B.)” [= Haute Belgique].

*pseudornatus* (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8**: 64 [& 168] (*Tanypus*). Type-localities: {Belgique} [p. 187] “Falaén, Virton (H. B.)” [= Haute Belgique].

**choumara** DOWLING, 1983: *Memoirs of the American Entomological Society* **34**: 89 (*Thienemannimyia*). Type-locality: “Morocco”. — Distr.: **PA**: Morocco.

**dimorpha** CHENG & WANG, 2009: *Zootaxa* **2074**: 51 (*Thienemannimyia*). Type-locality: “China: Yunnan Province, Lijiang County, Shigu Town, Chongjianghe River”. — Distr.: **OR**: China (Sichuan, Yunnan).

**festiva** (MEIGEN, 1838): *Systematische Beschreibung* **7**: 14 (*Tanypus*). Type-locality: [Title] “europäischen” [= European]. — Distr.: **PA**: ?Belgium, France, Germany, Great Britain, Ireland, Spain.

**fusciceps** (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 290 (*Pentaneura*). Type-locality: [Great Britain] “Windermere”. — Distr.: **NE**: Canada (British Columbia, Manitoba, Northwest Territories), U.S.A. (Alaska, California, Wyoming); **PA**: China (Shandong, Tianjin), Denmark, Finland, Germany, Great Britain, Italy, Norway, Russia (CET, NET, Far East), Sweden; **OR**: China (Guangdong).

**galbina** CHENG & WANG, 2009: *Zootaxa* **2074**: 54 (*Thienemannimyia*). Type-locality: “China: Fujian Province, Wuyishan City, Wuyi Mountain Natural Conversation, Sangan” [Conversation = Conservation]. — Distr.: **OR**: China (Fujian, Sichuan).

**geijskesi** (GOETGHEBUER, 1934): *Bulletin et Annales de la Société Entomologique de Belgique* **74**: 290 (as “*Ablasblesmyia*” and “*Ablablesmyia*”; as “*Geijkesi*”). Type-locality: [Switzerland] “Röserenbach, près de Bale”. — Distr.: **PA**: Austria, Belgium, China (Liaoning), Czech Republic, France, Germany, Great Britain, Ireland, Italy, Luxembourg, Poland, Portugal, Romania, Russia (NET, East Siberia), Slovakia, Spain, Switzerland, Turkey; **OR**: China (Tibet). [**Note**]

*Geijkesi*: incorrect original spelling.

*geijeskesi*: incorrect subsequent spelling.

**laeta** (MEIGEN, 1818): *Systematische Beschreibung* **1**: 60 (*Tanypus*). Type-locality: [Title] “europäischen” [= European]. — Distr.: **PA**: Andorra, Austria, Belgium, Corsica, Czech Republic, Finland, France, Germany, Great Britain, Greece, Ireland, Italy, Japan, ?Morocco, Norway, Poland, Romania, Russia (Far East), Slovakia, Spain, Sweden, Turkey; **OR**: China (Sichuan, Yunnan).

*subincurvatus* (GOETGHEBUER, 1923): *Annales de Biologie Lacustre* **12**: 110 (*Tanypus*). Type-locality: {Belgique} “Falaën”.

**lentiginosa** (FRIES, 1823): *Monographia Tanyporum Sveciæ*: 15 (*Tanypus*). Type-locality: [Sweden] “Betuletis Lapponiæ Tornensis” [= Birch (*Betula*) zone in Torne, Lappmark Province]. — Distr.: **PA**: Bulgaria, China (Liaoning), Corsica, Croatia, Czech Republic, Finland, France, Great Britain, Hungary, Ireland, Morocco, Norway, Poland, Romania, Russia (Far East), Slovakia, Spain, Sweden, Turkey, ¶Yugoslavia.

*laccobia* (KIEFFER in THIENEMANN & KIEFFER, 1916): *Archiv für Hydrobiologie Supplement* **2**: 538 (*Pelopia*). Type-locality: {Sweden} “Vättern bei Jönköping”.

*quadriscipta* (VIMMER, 1927): *Acta Societatis Scientiarum Naturalium Moravo-Silesiæ* **4**: 69 (*Micropelopia*). Type-locality: [Czech Republic] “Třebíč”.

**norena** (ROBACK, 1957): *Monographs of the Academy of Natural Sciences of Philadelphia* **9**: 38 (*Pentaneura*). Type-locality: [U.S.A.] “Goshenhoppen Creek at route 29, three quarters of a mile above Zieglerville, Pa” [= Pennsylvania]. — Distr.: **NE**: Canada (Manitoba, Ontario), U.S.A. (Illinois, Kansas, Maine, Michigan, New Hampshire, New Jersey, New York, Oregon, Pennsylvania); **PA**: Russia (NET).

*quadrata* ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 242 (*Thienemannimyia* (*Thienemannimyia*); as var. of *norena* Roback, 1957). Type-locality: “United States Illinois — Alto Pass”.

**northumbrica** (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 291 (*Pentaneura*). Type-localities: [Great Britain] “Crag Lough,

Northumberland”; “Loch Ba, Mull”. — Distr.: **PA**: Algeria, France, Germany, Great Britain, Hungary, Ireland, Italy, Morocco, Portugal, Romania, Spain.

**pseudocarnea** MURRAY, 1976: *Entomologica Scandinavica* **7**: 190 (*Thienemannimyia*).

Type-locality: {Ireland} “River Flesk, Killarney, Kerry”. — Distr.: **PA**: Austria, Belgium, Finland, France, Germany, Ireland, Italy, Netherlands, Norway, Sicily.

**tinctoria** (FREEMAN, 1955): *Bulletin of the British Museum (Natural History)* Entomology **4**: 29 (*Pentaneura* (*Pentaneura*)). Type-locality: [South Africa] “Natal : . . . Mooi River, Rosetta”. — Distr.: **AF**: South Africa.

**vitellina** (KIEFFER in THIENEMANN & KIEFFER, 1916): *Archiv für Hydrobiologie Supplement* **2**: 521 (*Pelopia*; as var. of *melanops* Meigen, 1818). Type-locality: {Sweden} “Vättern”. — Distr.: **PA**: Austria, Belgium, Finland, France, Germany, Poland, Russia (CET), Sweden.

**woodi** (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 292 (*Pentaneura*). Type-localities: [Great Britain] “Keighley district, Yorks.” [= Yorkshire] — Distr.: **PA**: Great Britain, Ireland, Italy.

**zousfana** DOWLING, 1987: *Entomologica Scandinavica Supplement* **29**: 155 (*Thienemannimyia*). Type-locality: “Zousfana, Algeria”. — Distr.: **PA**: Algeria.

sp.: ROBACK & COFFMAN, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**: 94 (*Thienemannimyia*). Locality: {Nepal} “NP14” [= “Tributary of the Kali Gandaki, below waterfall, Chhara . . . alt. 1548 m.”]. — Distr.: **OR**: Nepal.

sp. “nr. barberi (Coq.)”: WATSON & HEYN, 1993: *Netherlands Journal of Aquatic Ecology* **26**: 259 (*Thienemannimyia*). Localities: “Costa Rica . . . A, C, G, L, P, S 60 - 3120 m” [= Alajueta, Cartago, Guanacaste, Limon, Puntaneras & San Jose Provinces 60 - 3120 metres]. — Distr.: **NT**: Costa Rica.

sp.: WATSON & HEYN, 1993: *Netherlands Journal of Aquatic Ecology* **26**: 259 (*Thienemannimyia*). Locality: “Costa Rica . . . S 1990 m” [= San Jose Province 1990 metres]. — Distr.: **NT**: Costa Rica.

sp.: CRANSTON, 2001: *Electronic guide to the Chironomidae of Australia*: 16 (*Thienemannimyia*; as “*Thienemannimyia*-group”). Localities: {Australia} “Arnhem Land Escarpment rivers and creeks” [Northern Territory]. — Distr.: **AU**: Australia (Northern Territory). [**Note**]

### Nomina dubia in THIENEMANNIMYIA

*johannseni* (KIEFFER, 1906): *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **30**: 323 (*Isoplastus*; as “*Iohannseni*”). Type-locality: “Patrie : Bitche” [Patrie = Kieffer’s homeland of France].

*iohansenni*: incorrect original spelling.

*montana* REISS, 1968: *Khumbu Himal* **3**: 56 (*Thienemannimyia*). Locality: “Nepal”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

### Genus TRISSOPELOPIA KIEFFER

**TRISSOPELOPIA** KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **42**: 178. Type-species: *Trissopelopia flavida* Kieffer, 1923, by original designation. Senior homonym of *Trissopelopia* Kieffer, 1926.

**TRISSOPELOPIA** KIEFFER in ZAVŘEL, 1926: *Acta Societatis Scientiarum Naturalium Moravo-Silesiacae* **3**: 275. Type-species: *Trissopelopia flavida* Kieffer, 1923, by original designation. **Preoccupied**. Junnior homonym of *Trissopelopia* Kieffer, 1923.

**dimorpha** CHENG & WANG, 2005: *Entomological News* **116**: 16 (*Trissopelopia*). Type-locality: “China: Sichuan Province, Ya’an City, Zhougong River”. — Distr.: **PA**: China (Henan); **OR**: China (Sichuan).

**flavida** KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **42**: 178 (*Trissopelopia*). Type-locality: [Czech Republic] “Bohême” || ► Type-locality: [Czech Republic] “Waldgraben bei Hradec Králové” in Kieffer in Zavřel, 1926: *Acta Societatis Scientiarum Naturalium Moravo-Silesiacae* **3**: 275 ◀ ||. — Distr.: **PA**: Canary Islands, Czech Republic,

Germany, ?Madeira, Moldova, Norway, Poland, Romania, Russia (NET), Slovakia, Turkey, Tajikistan, Uzbekistan, ¶Yugoslavia. Senior primary homonym of *Trissopelopia flavida* Kieffer, 1926.

*flavida* KIEFFER in ZAVŘEL, 1926: *Acta Societatis Scientiarum Naturalium Moravo-Silesiaca* **3**: 275 (*Trissopelopia*). Type-locality: [Czech Republic] “Waldgraben bei Hradec Králové”. Junior primary homonym of *Trissopelopia flavida* Kieffer, 1923.

**lanceolata** CHENG & WANG, 2005: *Entomological News* **116**: 19 (*Trissopelopia*). Type-locality: “China: Shaanxi Province, Ningshan County, Huoditang”. — Distr.: **OR**: China (Shaanxi, Sichuan).

**longimana** (STAEGER, 1839): *Naturhistorisk Tidsskrift* (1) **2**: 587 (*Tanypus*). Type-locality: [in title] “Danmark”. — Distr.: **PA**: Austria, Belgium, China (Henan), Corsica, Denmark, Faroe Islands, Finland, France, Germany, Great Britain, Ireland, Italy, Japan, Kaliningrad, Luxembourg, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET), Sicily, Spain, Sweden; **OR**: Japan (Ryukyu Archipelago).

*migrator* (KIEFFER, 1911): *Bulletin de la Société d'Histoire Naturelle de Metz* **27**: 8 (*Psectrotanypus*). Type-locality: [Introduction] “Allemagne” [= Germany].

*longipennis* (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8**: 57 (*Psectrotanypus*). Type-localities: {Belgique} [p. 186] “Falaén, Virton (H. B.)” [= Haute Belgique].

*hieroglyphica* (GOETGHEBUER, 1934): *Bulletin et Annales de la Société Entomologique de Belgique* **74**: 335 (*Ablabesmyia*). Type-locality: [Germany] {Garmisch-Partenkirchen (Haute-Bavière)} “à une altitude de 1075 m. (G.-P.)”.

*oyabetrispinosa* SASA, KAWAI & UENO, 1988: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1988**: 59 (*Trissopelopia*). Type-locality: {Japan} “a small mountain stream at the side of Tohri Lake”.

**montivaga** HARRISON, 1978: *Journal of the Entomological Society of Southern Africa* **41**: 69 (*Trissopelopia*). Type-locality: “pools at Klipkraal near Sabie, Transvaal,

SOUTH AFRICA”. — Distr.: **AF**: South Africa.

**ogemawi** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 268 (*Trissopelopia*). Type-locality: [U.S.A.] “Michigan — Ogemaw”. — Distr.: **NE**: Canada (Alberta, Ontario, Québec), U.S.A. (Georgia, Michigan, New York, Ohio, Pennsylvania).

sp.: ROBACK & COFFMAN, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**: 95 (*Trissopelopia*). Localities: {Nepal} “NP98” [= “Stream off moraine, Glacier dome, Anapurna . . . alt. 4100 m.”]; “NP26” [= “Three small streams, tributaries of Bhurungai Khola, Nyathanti . . . 2250 m.”]; “NP150” [= “Tributary of Marsyandi, below Chame . . . alt. 2470 m.”]. — Distr.: **OR**: Nepal.

#### Nomina dubia in TRISSOPELOPIA

*bicornuata* HAZRA, MAJUMDAR & MAZUMDAR, 2008: *Environment and Ecology* **26** (2A): 909 (*Trissopelopia*). Locality: [Title] “Springs of Darjeeling-Sikkim Himalayas of India”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

#### Genus XENOPELOPIA FITTKAU

**XENOPELOPIA** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 381.

Type-species: *Pelopia falcigera* Kieffer, 1911, by original designation.

**falcigera** (KIEFFER, 1911): *Bulletin de la Société d'Histoire Naturelle de Metz* **27**: 15 (*Pelopia*). Type-locality: [Introduction] “Allemagne” [= Germany]. — Distr.: **PA**: Belgium, Czech Republic, Denmark, France, Germany, Great Britain, Hungary, Ireland, Italy, Kaliningrad, Latvia, Netherlands, Norway, Poland, Romania, Russia (CET, NET, East Siberia), Slovakia, Spain.

*arciger* (KIEFFER, 1921): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 106 (*Tanypus*). Type-locality: [Poland] “Silésie”.



*verbeckei* (GOETGHEBUER, 1942): *Bulletin du Musée royal d'Histoire Naturelle de Belgique* **18**(46): 8 (*Ablabesmyia*; as “*Verbeckei*”). Type-localities: [Belgium] “à Destelbergen, à Vinderhaute, à Melle et à Mont-St-Armand”.

**nigricans** (GOETGHEBUER, 1927): *Faune de France* **15**: 57 (*Tanypus*; as var. of *falcigera* Kieffer, 1911). Type-locality: Not given. — Distr.: **PA**: Austria, Belgium, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Morocco, Netherlands, Norway, Poland, Russia (CET), Spain, Sweden, Switzerland, Ukraine.

**tincta** ROBACK, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 256 (*Xenopelopia*). Type-locality: [U.S.A.] “California — San Diego”. — Distr.: **NE**: U.S.A. (California).

#### Genus **ZAVRELIMYIA** FITTKAU

**ZAVRELIMYIA** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 285.

Type-species: *Tanypus melanurus* Meigen, 1804, by original designation. [Note]

**alterna** (JOHANNSEN, 1932): *Archiv für Hydrobiologie Supplement* **9**: 501 (*Pentaneura*). Type-locality: [Indonesia] {Dutch East Indies} “spring pool at about 800 meters elevation at Batoeriti, Island of Bali”. — Distr.: **OR**: Indonesia (Bali, Java, Sumatra).

**barbatipes** (KIEFFER, 1911): *Bulletin de la Société d'Histoire Naturelle de Metz* **27**: 16 (*Pelopia*). Type-locality: {Allemagne} [= Germany] “Larves dans un étang, île de Rügen”. — Distr.: **PA**: Austria, Belgium, Canary Islands, Corsica, Czech Republic, Denmark, Finland, France, Germany, Great Britain, ?Greece, Hungary, Ireland, Italy, Latvia, Lithuania, ?Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET), Slovakia, Spain, Switzerland, Ukraine.

**berberi** FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 312 (*Zavrelimyia*). Type-locality: “Nordfrika: Marokko, Hoher Atlas, See Tamdka, 2800 m”. — Distr.: **PA**: Algeria, Italy, Lebanon, Morocco.

- bifasciata** (COQUILLET, 1901): *Proceedings of the United States National Museum* **23**: 609 (*Tanypus*). Type-localities: [U.S.A.] “Riverton, New Jersey . . . ; and Boston, Massachusetts”. — Distr.: **NE**: Canada (Manitoba, Newfoundland, Ontario), U.S.A. (District of Columbia, Maryland, New Hampshire, New Jersey, New York, Pennsylvania, South Carolina, Virginia).
- facilis** (JOHANNSEN, 1932): *Archiv für Hydrobiologie Supplement* **9**: 500 (*Pentaneura*). Type-localities: [Indonesia] {Dutch East Indies} “Dieng plateau, Spring Toksewiwi, Middle Java”; “Sarangan, Spring at Pasir Lake, Middle Java”. — Distr.: **OR**: Indonesia (Java, Sumatra).
- harrisi** (FREEMAN, 1959): *Bulletin of the British Museum (Natural History) Entomology* **7**: 400 (*Pentaneura (Pentaneura)*). Type-locality: {New Zealand} “Wellington: Ohakune”. — Distr.: **AU**: New Zealand (North Island).
- hirtimana** (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 180 (*Tanypus (Tanypus)*). Type-locality: [Czech Republic] “Königgrätz” [= Hradec Králové]. — Distr.: **PA**: Austria, Belgium, Czech Republic, Finland, France, Germany, Great Britain, Ireland, Italy, Norway, Poland, Romania, Spain, Sweden, Tajikistan, ?Turkey.
- longiforceps* (KIEFFER, 1921): *Bulletin de la Société d’Histoire Naturelle de la Moselle* **29**: 107 (*Tanypus*; as var. of *hirtimanus* Kieffer, 1918). Type-locality: [Poland] “Silésie”.
- kyotoensis** (TOKUNAGA, 1937): *Philippine Journal of Science* **62**: 53 (*Pentaneura*). Type-locality: “Honshu, Japan . . . Uzumasa, Kyoto”. — Distr.: **PA**: Japan.
- melanura** (MEIGEN, 1804): *Klassifikation und beschreibung der europäischen zweiflügligen insekten* **1**: 23 (*Tanypus*). Type-locality: [Title] “europäischen” [= European]. — Distr.: **PA**: Algeria, Austria, Belgium, Bulgaria, Canary Islands, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Lebanon, Moldova, Morocco, Netherlands, Norway, Poland, Romania, Russia (CET, East Siberia), Slovakia, Spain, Sweden, Switzerland, Turkey, ¶Yugoslavia.

*glabriforceps* (KIEFFER in THIENEMANN & KIEFFER, 1916): *Archiv für Hydrobiologie Supplement 2*: 497 (*Pelopia*). Type-locality: {Sweden} “aus derselben Stelle wie *Macropelopia adauca* gesammelt” [= from the same place that *Macropelopia adauca* was collected, i.e. “Quelloch (9°) oberhalb des Kalkofens vor Tinkarp”].

*albipennis* (KIEFFER, 1918): *Entomologische Mitteilungen 7*: 184 (*Tanypus*). Type-locality: [Czech Republic] “Böhmen”.

*ensiger* (KIEFFER, 1918): *Entomologische Mitteilungen 7*: 181 (*Tanypus*). Type-locality: [Czech Republic] “Böhmen”.

*tetrasticta* (KIEFFER, 1918): *Entomologische Mitteilungen 7*: 184 (*Tanypus*). Type-locality: Not given.

*fuliginosa* (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique 8*: 67 (*Tanypus*). Type-locality: (Belgique) [p. 187] “Hockai (Subalp.)”.

*bruneicalcar* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle 30*: 107 (*Tanypus*). Type-locality: “Suède, larve dans une source” [Suède = Sweden].

*similipennis* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle 30*: 107 (*Tanypus*). Type-locality: “Suède, larves dans une source, Swarthall” [Suède = Sweden].

**monticola** (TOKUNAGA, 1937): *Philippine Journal of Science 62*: 47 (*Pentaneura*). Type-locality: “Honshu, Japan . . . Ashiu, Kyoto”. — Distr.: **PA**: Japan

**nubila** (MEIGEN, 1830): *Systematische Beschreibung 6*: 261 (*Tanypus*). Type-locality: [Title] “europäischen” [= European]. — Distr.: **PA**: Austria, Azores, Belgium, Canary Islands, Czech Republic, Denmark, France, Germany, Great Britain, Hungary, Ireland, Italy, Madeira, Netherlands, Norway, Poland, Russia (CET), Spain. [Note]

*dubia* (STAEGER, 1839): *Naturhistorisk Tidsskrift (1) 2*: 587 (*Tanypus*). Type-locality: [in title] “Danmark”.

*discolor* (KIEFFER, 1913): *Bulletin de la Société d'Histoire Naturelle de Metz* **28**: 12 (*Pelopia*). Type-locality: {Allemagne} [= Germany] “dans une mare d'un jardin. Westphalie”.

*fulvonotata* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 181 (*Tanypus* (*Tanypus*)). Type-locality: [Czech Republic] “Königgrätz” [= Hradec Králové]. Senior primary homonym of *Tanypus fulvonotata* Kieffer, 1919. [Note]

*fulvonotata* (KIEFFER, 1919): *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 152 (*Tanypus*). Type-locality: “Hongrie: Gyón”. Junior primary homonym of *Tanypus* (*Tanypus*) *fulvonotata* Kieffer, 1918. [Note]

*curtiseta* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 108 (*Tanypus*). Type-locality: [Germany] “Holstein, larve dans une source (Luisenquelle)”.

**pleuralis** (TOKUNAGA, 1940): *Philippine Journal of Science* **72**: 284 (*Pentaneura*). Type-locality: [Taiwan] “Sizyukei, Formosa”. — Distr.: **OR**: Taiwan.

**punctatissima** (GOETGHEBUER, 1934): *Bulletin et Annales de la Société Entomologique de Belgique* **74**: 335 (*Ablabesmyia*). Type-locality: [Germany] {Garmisch-Partenkirchen (Haute-Bavière)} “à 1000 m. d'altitude (G.-P.)”. — Distr.: **PA**: Austria, France, Germany, Italy, Norway.

**signatipennis** (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 106 (*Tanypus*). Type-localities: [Germany] “Holstein, larves dans une source, Domquelle; . . . Kalkhütten”. — Distr.: **PA**: Austria, France, Germany, Italy, Slovakia.

*nudipes* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 105 (*Tanypus*). Type-locality: [Germany] “Ile de Rügen, larves dans une source”.

*flavicalcar* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 109 (*Tanypus*). Type-locality: [Germany] “Bavière”.

**sinuosa** (COQUILLET, 1905): *Journal of the New York Entomological Society* **13**: 65 (*Tanypus*). Type-locality: [U.S.A.] “Center Harbour . . . and Franconia, N. H.”

[= New Hampshire]. — Distr.: **NE**: Canada (Alberta, Ontario, Québec, Saskatchewan), U.S.A. (California, Connecticut, Florida, Georgia, Iowa, Kansas, Massachusetts, Michigan, New Hampshire, New Jersey, New York, Pennsylvania, Virginia).

*carneosa* FITTKAU, 1962: *Abhandlungen zur Larvalsystematik der Insekten* **6**: 315 (*Zavrelimyia*; as “n. sp.” [= nom. nov.] for *carnea* Johannsen, 1905 nec *carnea* Fabricius, 1805). Type-locality: “U.S.A.”; || ► Type-locality: [U.S.A.] “Ithaca, N. Y.” [= New York] in Johannsen, 1905: *Bulletin of the New York State Museum* **86**: 140-142 ◀ || [Lectotype designated in Roback, 1971: *Monographs of the Academy of Natural Sciences of Philadelphia* **17**: 265, “Ithaca, New York”. [Note]

*fluminalis* (SUBLETTE, 1964): *Proceedings of the United States National Museum* **115**: 88 (*Pentaneura* (*Pentaneura*)). Type-locality: [U.S.A.] (California) “Mad River Beach, Humboldt Co.”.

**thryptica** (SUBLETTE, 1964): *Proceedings of the United States National Museum* **115**: 95 (*Pentaneura* (*Pentaneura*)). Type-locality: [U.S.A.] {California} “5 miles west of Gilroy, Santa Clara Co.”. — Distr.: **NE**: Canada (Alberta, Ontario), U.S.A. (Alaska, California, Georgia, Idaho, Kansas, Oregon, New York, South Carolina, South Dakota, Washington, Wyoming); **PA**: ?Norway, ?Switzerland.

**tusimuheia** (SASA & SUZUKI, 1999): *Tropical Medicine* **41**: 109 (*Paramerina*). Type-locality: [Introduction] “Tsushima Island . . . western Japan”. — Distr.: **PA**: Japan.

sp.: TRIVINHO-STRIXINO & STRIXINO, 1995: *Larvas de Chironomidae (Diptera) do Estado de São Paulo*: 43 (*Zavrelimyia*). Locality: {Brazil} [Title] “Estado de São Paulo”. — Distr.: **NT**: Brazil.

sp.: RUIZ-MORENO, OSPINA-TORRES, GÓMEZ-SIERRA & RISS, 2000: *Caldasia* **22**(1): 50 (*Zavrelimyia*). Locality: {Colombia} “en las aguas corrientes de la sabana de Bogotá y sus montañas circundantes” [= in streams of the Sabana de Bogotá and surrounding mountains]. — Distr.: **NT**: Colombia.

sp. 1: HAASE & NOLTE, 2008: *Ecological Indicators* **8**: 607 (*Zavrelimyia*). Locality: [Title] “streams in southeast Queensland, Australia”. — Distr.: AU: Australia (Queensland).

**Nomina dubia probably in ZAVRELIMYIA**

*chirophorus* KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **42**: 177 (*Tanypus*). Type-localities: [Czech Republic] “Bohême : Königgrätz” [= Hradec Králové]; “Trebitsch” [= Třebíč].

*gracilicalcar* KIEFFER, 1918: *Entomologische Mitteilungen* **7**: 179 (*Tanypus (Tanypus)*). Type-locality: [Czech Republic] “Böhmen”.

*heteroneurus* KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **42**: 175 (*Tanypus*). Type-locality: [Czech Republic] “Bohême : Königgrätz” [= Hradec Králové]. [**Note**]

*maxi* GOETGHEBUER, 1923: *Annales de Biologie Lacustre* **12**: 109 (*Tanypus*). Type-locality: {Belgique} “Postel”.

*pectinatus* KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **42**: 175 (*Tanypus*). Type-locality: [Czech Republic] “Bohême : Königgrätz” [= Hradec Králové].

*quatuorpuncta* KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 106 (*Tanypus*). Type-locality: [Poland] “Silésie”. [**Note**]

*quatuorpunktata*: incorrect subsequent spelling.

*remota* KIEFFER, 1918: *Entomologische Mitteilungen* **7**: 183 (*Tanypus (Tanypus)*). Type-locality: [Czech Republic] “Böhmen”.

*spinosicalcar* KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **42**: 176 (*Tanypus*). Type-locality: [Czech Republic] “Bohême”. [**Note**]

*subrecta* KIEFFER, 1918: *Entomologische Mitteilungen* **7**: 180 (*Tanypus (Tanypus)*). Type-locality: [Czech Republic] “Böhmen: Trebitsch” [= Třebíč].

**Generically Unplaced Valid MACROPELOPIINI**

**apicina** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 240 (*Anatopynia*).

Type-locality: [Argentina] “Bariloche”. — Distr.: **NT**: Argentina, Chile. [**Note**]

**apicincta** FREEMAN, 1959: *Bulletin of the British Museum (Natural History) Entomology*

**7**: 403 (*Anatopynia*). Type-locality: {New Zealand} “Otago: Alexandra”. —

Distr.: **AU**: New Zealand (South Island).

**apicinella** FREEMAN, 1959: *Bulletin of the British Museum (Natural History) Entomology*

**7**: 406 (*Anatopynia*). Type-locality: {New Zealand} “Wellington: Ohakune”. —

Distr.: **AU**: New Zealand (North Island). [**Note**]

**bellipes** KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie*

(*Mémoires*) **44**: 90 (*Macropelopia*). Type-locality: [page 73] “Argentina, aux

environs de Alta Gracia, province de Cordoba”. — Distr.: **NT**: Argentina.

[**Note**]

? *maculosipennis* KIEFFER, 1906: *Genera Insectorum* **42**: 19 (*Chironomus*; as nom.

nov. for *Chironomus maculipennis* Blanchard, 1852, nec *Chironomus*

*maculipennis* Meigen, 1818. **Questionable synonym.**

? *maculipennis* BLANCHARD, 1852: *Historía física y política de Chile. Zoología* **7**:

335 (*Chironomus*). Type-locality: {Chile} “Serena”. Junior primary homonym

of *Chironomus maculipennis* Meigen, 1818. **Questionable synonym.**

**boninensis** TOKUNAGA, 1964: *Insects of Micronesia* **12**: 501 (*Anatopynia*). Type-locality:

“Commanders beach, Chichi Jima, Bonin Is.”. — Distr.: **OC**: Bonin Islands

(Chichi Jima).

**brunnea** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 244 (*Anatopynia*).

Type-locality: [Chile] “Puerto Montt”. — Distr.: **NT**: Chile. [**Note**]

**cana** FREEMAN, 1959: *Bulletin of the British Museum (Natural History) Entomology* **7**: 408

(*Anatopynia*). Type-locality: {New Zealand} “Wellington: Ohakune”. — Distr.:

**AU**: New Zealand (North Island).

**colombiana** REMPEL, 1937: *Revista de Entomologia* **7**: 414 (*Anatopynia (Macropelopia)*).

Type-locality: “Bogotá, Colombia”. — Distr.: **NT**: Colombia. [**Note**]

*nigropunctata*: incorrect original spelling (in figure legend).

**confluens** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 246 (*Anatopynia*).

Type-locality: [Argentina] “Bariloche”. — Distr.: **NT**: Argentina. [**Note**]

**debilis** HUTTON, 1902: *Transactions and Proceedings of the New Zealand Institute* **34**: 186

(*Tanypus*). Type-locality: {New Zealand} “Christchurch”. — Distr.: **AU**: New Zealand (South Island).

*novaezelandiae* KIEFFER, 1922: *Annales de la Société Linnéene de Lyon* **68**: 147

(*Macropelopia*). Type-locality: “Nouvelle-Zélande”.

**dizona** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 246 (*Anatopynia*).

Type-locality: [Argentina] “L. Correntoso”. — Distr.: **NT**: Argentina, Chile. [**Note**]

**elongata** TOKUNAGA, 1964: *Insects of Micronesia* **12**: 501 (*Anatopynia*). Type-locality:

“Sumay Rd., Guam, S. Mariana Is.”. — Distr.: **OC**: Belau (Palau), Guam, Micronesia (Truk, Yap).

**flavipes** FREEMAN, 1959: *Bulletin of the British Museum (Natural History) Entomology* **7**:

405 (*Anatopynia*). Type-locality: {New Zealand} “Westland: Lake Moana”. — Distr.: **AU**: New Zealand (South Island).

**fuegiana** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 243 (*Anatopynia*).

Type-locality: [Chile] “Useless Bay, Tierra del Fuego”. — Distr.: **NT**: Chile. [**Note**]

**languidus** HUTTON, 1902: *Transactions and Proceedings of the New Zealand Institute* **34**:

186 (*Tanypus*). Type-locality: {New Zealand} “Christchurch”. — Distr.: **AU**: New Zealand (South Island).

**pallescens** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 245 (*Anatopynia*).

Type-locality: [Argentina] “L. Nahuel Huapi, eastern end”. — Distr.: **NT**: Argentina, Chile. [**Note**]

**pennipes** FREEMAN, 1961: *Australian Journal of Zoology* **9**: 621 (*Anatopynia*). Type-

locality: {Australia} “Burpengary, Qld.” [= Queensland]. — Distr.: **AU**: Australia (Queensland). [**Note**]



- quadricincta** FREEMAN, 1959: *Bulletin of the British Museum (Natural History)* Entomology **7**: 407 (*Anatopynia*). Type-locality: {New Zealand} “Wellington: Ohakune”. — Distr.: **AU**: New Zealand (North Island).
- quinquepunctata** FREEMAN, 1959: *Bulletin of the British Museum (Natural History)* Entomology **7**: 405 (*Anatopynia*). Type-locality: {New Zealand} “Canterbury: Cass”. — Distr.: **AU**: New Zealand (South Island).
- roblesi** VARGAS, 1946: *Revista del Instituto de Salubridad y Enfermedades Tropicales* **7**: 80 (*Macropelopia*). Type-locality: [Mexico] “en Guadalupe Xacú, Distrito de Mariscal, Estado de Chiapas . . . a una altura de 1,100 mts”. — Distr.: **NT**: Mexico (Chiapas). [**Note**]
- trizona** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 247 (*Anatopynia*). Type-locality: [Chile] “Ancud”. — Distr.: **NT**: Chile. [**Note**]
- vittigera** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 242 (*Anatopynia*). Type-locality: [Argentina] “L. Nahuel Huapi, eastern end”. — Distr.: **NT**: Argentina, Chile, Juan Fernandez Islands. [**Note**]
- xanthina** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 245 (*Anatopynia*). Type-locality: [Argentina] “Bariloche”. — Distr.: **NT**: Argentina. [**Note**]

#### Generically Unplaced Valid PENTANEURINI

- carolinensis** TOKUNAGA, 1964: *Insects of Micronesia* **12**: 498 (*Pentaneura* (*Pentaneura*)). Type-locality: {Micronesia} “Agric. Expt., Sta., Ponape”. — Distr.: **OC**: Belau (Palau), Guam, Micronesia (Ponape, Yap).
- formulosus** SKUSE, 1889: *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 282 (*Isoplastus*). Type-locality: {Australia} “Berowra”. — Distr.: **AU**: Australia (New South Wales).
- ponapensis** TOKUNAGA, 1964: *Insects of Micronesia* **12**: 495 (*Pentaneura* (*Pentaneura*)). Type-locality: {Micronesia} “NW. slope, Mt. Nahnalaud, Ponape”. — Distr.: **OC**: Micronesia (Kosrae, Ponape).
- punctipennis** FREEMAN, 1961: *Australian Journal of Zoology* **9**: 618 (*Pentaneura*). Type-

locality: {Australia} “Black Mountain, A.C.T.” [= Australian Capital Territory]. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Tasmania, Victoria).

### Nomina dubia in PENTANEURINI

*aurea* JOHANNSEN, 1907: *Kansas University Science Bulletin* **4**: 110 (*Ablabesmyia*). Type-locality: [U.S.A.] “at Lawrence, Douglas county, Kansas, . . . at electric light on bridge across Kansas river”. [Note]

*esakii* TOKUNAGA, 1939: *Philippine Journal of Science* **69**: 301 (*Pentaneura*). Type-locality: “Honshu, Japan . . . Miure, Otaki-Mura, Nagano Prefecture”.

*futilis* WULP, 1867: *Tijdschrift voor Entomologie* **10**: 130 (*Tanypus*). Type-locality: [U.S.A.] [page 125] “Wisconsin”. [Note]

*octopunctata* TOKUNAGA, 1937: *Philippine Journal of Science* **62**: 46 (*Pentaneura*). Type-locality: “Honshu, Japan . . . Hachijo, Kyoto”.

### Generically Unplaced Valid TANYPODINAE

*albolineatus* KIEFFER, 1910: *Memoirs of the Indian Museum* **2**: 224 (*Tanypus*). Type-locality: [Myanmar] “U. Burma: Mandalay”. — Distr.: **OR**: Myanmar.

*annandalei* KIEFFER, 1910: *Memoirs of the Indian Museum* **2**: 211 (*Isoplastus*). Type-locality: [India] “Calcutta”. — Distr.: **OR**: India (West Bengal).

*bilobatus* KIEFFER, 1910: *Memoirs of the Indian Museum* **2**: 221 (*Tanypus*). Type-localities: [Bangladesh] “Sylhet, Assam”; [India] “Calcutta”; [Bangladesh] “Rajshahi, E. Bengal”. — Distr.: **OR**: Bangladesh, India (West Bengal).

*birmanensis* KIEFFER, 1913: *Records of the Indian Museum* **9**: 159 (*Pelopia*). Type-locality: [Myanmar] “Mandalay, Upper Burma”. — Distr.: **OR**: Myanmar

*brooksi* GERRY, 1933: *Psyche (Cambridge)* **40**: 95 (*Tanypus*). Type-locality: “Moneague, Jamaica”. — Distr.: **NT**: Jamaica. [Note]

*circumdata* TOKUNAGA, 1940: *Philippine Journal of Science* **72**: 283 (*Pentaneura*). Type-locality: [Taiwan] “Sizyukei, Formosa”. — Distr.: **OR**: Taiwan.

- flaveolus** WILLISTON, 1896: *Transactions of the Entomological Society of London* **1896**: 275 (*Tanypus*). Type-locality: [page 253] “island of St. Vincent”. — Distr.: **NT**: ?Puerto Rico, St. Vincent.
- fusciclava** KIEFFER, 1923: *Annales de la Société Linnéenne de Lyon* **69**: 40 (*Tanypus*). Type-locality: [Taiwan] {Formosa} “Daitotei”. — Distr.: **OR**: Taiwan.
- gracillima** KIEFFER, 1916: *Annales Historico-Naturales Musei Nationalis Hungarici* **14**: 102 (*Pelopia*). Type-locality: [Taiwan] {Formosa} “Takao”. — Distr.: **OR**: Taiwan.
- himalayae** KIEFFER, 1911: *Records of the Indian Museum* **6**: 333 (*Pelopia*). Type-locality: [India] “Himalaya occidental: Barogh, dans les montagnes de Simla, à une altitude de 1700 mètres”. — Distr.: **OR**: India (Himachal Pradesh).
- macrochaeta** KIEFFER, 1913: *Records of the Indian Museum* **9**: 159 (*Pelopia*). Type-locality: [India] “Kurseong, Himalaya Oriental, altitude de 5000 pieds”. — Distr.: **OR**: India (West Bengal).
- manilensis** SCHINER, 1868: *Reise der Österreichischen Fregatte Novara, Diptera* **2**: 26 (*Tanypus*). Type-locality: [Philippines] “Manila”. — Distr.: **OR**: Philippines.
- marmorata** JOHANNSEN, 1938: *Journal of Agriculture of the University of Puerto Rico* **22**: 219 (*Pentaneura*). Type-locality: “Río Cidra, Puerto Rico”. — Distr.: **NT**: Mexico (#), Puerto Rico.
- oriplanus** KIEFFER, 1911: *Records of the Indian Museum* **6**: 125 (*Isoplastus*). Type-locality: [India] “Simla hills, à une altitude de 7000 pieds”. — Distr.: **OR**: India (Himachal Pradesh).
- pubicornis** FABRICIUS, 1805: *Systema antliatorum*: 43 (*Chironomus*). Type-locality: “America meridionali” [= South America]. — Distr.: **NT**: ?Argentina. [**Note**]
- violaceipennis** KIEFFER, 1910: *Memoirs of the Indian Museum* **2**: 222 (*Tanypus*). Type-locality: [India] “Calcutta”. — Distr.: **OR**: India (West Bengal).

#### Unavailable names in TANYPODINAE

*MICROPELOPIAE* THIENEMANN & ZAVŘEL, 1916: *Archiv für Hydrobiologie*

*Supplement 2*: 567, 642. A super-tribe concept. An unavailable name not based on an available generic name, contrary to Article 11.7.1.1 (ICZN, 1999, 4th Edition), since *Micropelopia* Zavřel, 1916, as a Collective Group Name cannot be used. *Micropelopiae* does not constitute an available scientific name and it should not be used under any circumstance. [Note]

### Nomina dubia in TANYPODINAE

*MICROPELOPIA* ZAVŘEL in THIENEMANN & ZAVŘEL, 1916: *Archiv für Hydrobiologie Supplement 2*: 599. Collective Group Name for an assemblage of various species. An available name, but not an available generic name, according to the Zoological Code (ICZN, 1999, 4th Edition). Senior homonym of *Micropelopia* Vimmer, 1918. [Note]

*MICROPELOPIA* VIMMER, 1918: *Časopis České Společnosti Entomologické 14*: 2. Type-species: Not given. **Preoccupied**. Junior homonym of *Micropelopia* Zavřel, 1916. [Note]

*PERITAPHREUUSA* BECKER, 1908: *Mitteilungen aus dem Zoologischen Museum in Berlin 4*: 75. Type-species: *Peritaphreuusa flavicollis* Becker, 1908, by monotypy. [Note]

*albus* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus) 43*: 396 (*Tanypus*). Type-locality: [Germany] “Holstein”.

*beringensis* MUELLER, 1923: *Verhandlungen der Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen) 73* [Preprint]: 107 (*Micropelopia*). Type-locality: [Germany, northern Bavaria] “Fränkische Schweiz, Beringersmühle” [= Behrangersmühle]. Senior primary homonym of *Micropelopia beringensis* Mueller, 1924. [Note]

*beringensis* MUELLER, 1924: *Verhandlungen der Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen) 73*: 107 (*Micropelopia*). Type-locality: [Germany, northern Bavaria] “Fränkische Schweiz, Beringersmühle” [= Behrangersmühle]. **Preoccupied**. Junior primary homonym of *Micropelopia beringensis* Mueller, 1923.

- bicoloripennis* KIEFFER, 1917: *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 335 (*Tanypus*). Type-locality: "Paraguay".
- biplagiatus* HARRIS, 1835: *Systematic Catalogue of the Insects of Massachusetts*: 75 (*Tanypus*). Locality: [U.S.A.] "Massachusetts" [in Volume Title]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.
- brevipalpis* KIEFFER, 1921: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **40**: 182 (*Procladius*). Type-locality: "Paraguay".
- bruchi* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **44**: 85 (*Tanypus*). Type-locality: [page 73] "Argentine, aux environs de Alta Gracia, province de Cordoba".
- caliptera* KIEFFER, 1906: *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **30**: 321 (*Ablabesmyia*). Type-locality: "Patrie : Bitche" [Patrie = Kieffer's homeland of France].
- castellanus* STROBL, 1900: *Wiener Entomologische Zeitung* **19**: 173 (*Tanypus*). Type-locality: "S. Morena" [S. = Spain].
- ciliatus* MEIGEN, 1838: *Systematische Beschreibung* **7**: 15 (*Tanypus*). Type-locality: [Belgium] "Lütticher Gegend" [Lütticher = Liège].
- cirratus* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **44**: 88 (*Tanypus*). Type-locality: [page 73] "Argentine, aux environs de Alta Gracia, province de Cordoba".
- crassistylus* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **44**: 90 (*Tanypus*). Type-locality: [page 73] "Argentine, aux environs de Alta Gracia, province de Cordoba".
- cyanomaculatus* DOLESCHALL, 1856: *Natuurkundig Tijdschrift voor Nederlandsch-Indië* **10**: 406 (*Tanypus*). Type-locality: [Indonesia, Java] "in cubiculis (Ambarawa)".
- [Note]

*cyaneomaculatus*: incorrect subsequent spelling.

- cygnus* KIEFFER, 1915: *Journal and Proceedings of the Asiatic Society of Bengal* **10**: 369

- (*Pelopia*). Type-locality: [Israel] “Lac de Tibériade”. [Note]
- eggeri* GOETGHEBUER in GOETGHEBUER & LENZ, 1936: *Die Fliegen der Palaearktischen Region* **13b**: 32 (*Ablabesmyia*; as “*Eggeri*”). Type-locality: “Austria”. [Note]
- elegantulus* WULP, 1874: *Tijdschrift voor Entomologie* **17**: 144 (*Tanypus*). Type-locality: [Netherlands] “Beek”.
- elongatus* KIEFFER, 1925: *Annales de la Societé Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **44**: 87 (*Tanypus*; as var. of *monilis* Linnaeus, 1758). Type-locality: [page 73] “Argentine, aux environs de Alta Gracia, province de Cordoba”. [Note]
- excavatus* KIEFFER, 1925: *Annales de la Societé Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **44**: 89 (*Tanypus*). Type-locality: [page 73] “Argentine, aux environs de Alta Gracia, province de Cordoba”.
- faeroensis* KIEFFER, 1915: *Zoologische Jahrbücher, Abteilung Systematik, Ökologie und Geographie der Tiere* **39**: 105 (*Pelopia*). Type-locality: {Faroes} “Sandö”.
- fasciatus* MEIGEN, 1804: *Klassifikation und beschreibung der europäischen zweiflügligen insekten* **1**: 21 (*Tanypus*). Type-locality: [Title] “europäischen” [= European]. Senior homonym of *Tanypus fasciatus* Macquart, 1826.
- fasciatus* MACQUART, 1826: *Recueil des Travaux de la Société d'Amateurs des Sciences, de l'Agriculture et des Arts de Lille* **1823-1824**: 187 (*Tanypus*). Type-locality: [Title] “Nord de la France”. **Preoccupied**. Junior homonym of *Tanypus fasciatus* Meigen, 1804.
- fiebrigi* KIEFFER, 1917: *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 336 (*Tanypus*). Type-locality: “Paraguay”.
- flabellicornis* FABRICIUS, 1781: *Species insectorvm* Tome II: 407 (*Tipula*). Type-locality: “Habitat in Germania”. [Note]
- flavicollis* BECKER, 1908: *Mitteilungen aus dem Zoologischen Museum in Berlin* **4**: 75 (*Peritaphreussa*). Type-localities: {Canary Islands} “aus Gran Canaria und Teneriffe”. [Note]

- flavidella* VIMMER, 1927: *Acta Societatis Scientiarum Naturalium Moravo-Silesiaca* **4**: 66 (*Micropelopia*). Type-localities: [Czech Republic] “Hradec Králové, Mlejnek”.
- fraterculus* LYNCH ARRIBÁLZAGA, 1893: *Boletín Academia Nacional de Ciencias Córdoba* **13**: 233 (*Tanypus*). Type-locality: {Argentina} “Prov. Buenos Aires in Baradero”.
- fulvomaculipennis* VIMMER, 1927: *Acta Societatis Scientiarum Naturalium Moravo-Silesiaca* **4**: 59 (*Micropelopia*). Type-locality: [Czech Republic] “KR. HRADEC” [= Hradec Králové].
- fulvonotata* VIMMER, 1927: *Acta Societatis Scientiarum Naturalium Moravo-Silesiaca* **4**: 60 (*Micropelopia*). Type-locality: [Czech Republic] “Hradec Králové, Farářství”.
- fuscofemoratus* ROSER, 1840: *Correspondenzblatt des Königlich Württembergischen Landwirthschaftlichen Vereins, Neue Folge 17 (1840)* **1**: 50 (*Tanypus*; originally as “*fusco-femoratus*”). Type-locality: [Germany] “Württemberg”.
- gracilis* KIEFFER, 1918: *Entomologische Mitteilungen* **7**: 184 (*Tanypus (Tanypus)*). Type-locality: “Ungarn” [= Hungary] || ▶ Type-locality: “Hongrie: Budapest, Gyón” in Kieffer, 1919: *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 151 ◀ ||. Senior primary homonym of *Tanypus gracilis* Kieffer, 1919.
- gracilis* KIEFFER, 1919: *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 151 (*Tanypus*). Type-locality: “Hongrie: Budapest, Gyón”. Junior primary homonym of *Tanypus (Tanypus) gracilis* Kieffer, 1918.
- gratus* MEIGEN, 1838: *Systematische Beschreibung* **7**: 15 (*Tanypus*). Type-locality: [Belgium] “aus der Lütticher Gegend” [Lütticher = Liège].
- griseipennis* KIEFFER, 1917: *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 338 (*Tanypus*). Type-locality: “Paraguay: Asuncion”. **Preoccupied**. Junior primary homonym of *Tanypus griseipennis* Wulp, 1859.
- hirsutus* MACQUART, 1826: *Recueil des Travaux de la Société d'Amateurs des Sciences, de l'Agriculture et des Arts de Lille 1823-1824*: 189 (*Tanypus*). Type-locality: [Title] “Nord de la France”.

- incarnatus* MEIGEN, 1830: *Systematische Beschreibung* **6**: 260 (*Tanypus*). Type-locality: [Title] “europäischen” [= European]. [Note]
- inconspicuus* KIEFFER, 1913: *Records of the Indian Museum* **9**: 156 (*Procladius*). Type-locality: [Myanmar] “Moulmein, Lower Burma”.
- laticar* KIEFFER, 1918: *Entomologische Mitteilungen* **7**: 184, 186 (*Tanypus (Tanypus)*). Type-locality: [p. 184] “Litauen” [= Lithuania]; [pp. 186-7] “Ignalino” [= Ignalina, in Lithuania].
- longiseta* KIEFFER, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 104 (*Tanypus*). Type-locality: “Nord de l’Allemagne : lac Madu” [now = Lake Miedwie, Poland]. [Note]
- luteus* GIMMERTHAL, 1836: *Bulletin de la Société Impériale des Naturalistes de Moscou* **9**: 429 (*Tanypus*). Type-locality: [in title] “Liefland” [= Livonia Province, Latvia].
- macrocerus* KIEFFER, 1910: *Memoirs of the Indian Museum* **2**: 212 (*Isoplastus*). Type-locality: “Nepal: Chamaspur”.
- melanurus* DOLESCHALL, 1856: *Natuurkundig Tijdschrift voor Nederlandsch-Indië* **10**: 405 (*Tanypus*). Type-locality: [Indonesia, Java] “in domiciliis (Ambarawa)”.
- microcerus* KIEFFER, 1910: *Memoirs of the Indian Museum* **2**: 224 (*Tanypus*). Type-locality: [India] “Côte d’Orissa: Puri”.
- microcerus*: incorrect subsequent spelling.
- miki* GOETGHEBUER in GOETGHEBUER & LENZ, 1936: *Die Fliegen der Palaearktischen Region* **13b**: 34 (*Ablabesmyia*; as “Miki”). Type-locality: “Austria sup.” [= Upper Austria]. [Note]
- monotomus* KIEFFER, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 104 (*Tanypus*). Type-locality: [Germany] “Holstein, grand lac de Ploen”.
- myrmedon* KIEFFER, 1917: *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 338 (*Tanypus*). Type-locality: “Paraguay”.
- nemorosus* MEIGEN, 1804: *Klassifikation und beschreibung der europäischen zweiflügligen insekten* **1**: 24 (*Tanypus*). Type-locality: [Title] “europäischen” [= European]. [Note]



*memorosus*: incorrect subsequent spelling.

*neotropicus* KIEFFER, 1917: *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 336 (*Tanypus*). Type-locality: "Paraguay".

*nigristilus* KIEFFER, 1915: *Brotéria, Série Zoológica* **13**: 66 (*Pelopia*). Type-locality: "Deutschland (Eifel: fliegend am Gemündener Maar".

*pallicornis* ZETTERSTEDT, 1850: *Diptera Scandinaviæ disposita et discripta* **9**: 3609 (*Tanypus*). Type-localities: "in Svecia . . . in Scania ad Lund, & Esperöd in paröcia Tranås"; "in Ostrogothia ad Gusum" [Svecia = Sweden]. [Note]

*pallidicornis*: incorrect subsequent spelling. [Note]

*pallidipes* KIEFFER, 1912: *Spolia Zeylanica* **8**: 9 (*Pelopia*). Type-locality: [Sri Lanka] {Ceylan} "Peradeniya".

*pallidus* KIEFFER, 1913: *Records of the Indian Museum* **9**: 156 (*Procladius*). Type-locality: [Myanmar] "Mandalay, Upper Burma".

*pectinata* BOTNARIUC & CÂNDEA, 1953: *Buletin Ştiinţific Academia Republicii Populare Române* **5**: 55 (*Ablabesmyia*). Type-localities: {Romania} "în delta Dunării"; "zona litorală a Ghiolului Orechovo"; "în zona litorală cu vegetaţie a canalului Lopatna".

*pelargus* KIEFFER, 1917: *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 337 (*Tanypus*). Type-locality: "Paraguay".

*pictipennis* VIMMER, 1927: *Acta Societatis Scientiarum Naturalium Moravo-Silesiacae* **4**: 55 (*Micropelopia*). Type-locality: [Czech Republic] "TŘEBÍČ".

*prionotus* KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 109 (*Tanypus*; as var. of *curtiseta* Kieffer, 1924). Type-locality: [Germany] "Holstein, grand lac de Ploen".

*pseudornata* SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**: 248 (*Ablabesmyia*). Type-locality: {Canary Islands} "en la isla de la Palma".

*pseudo-ornata*: incorrect original spelling (in plate legend).

*pubitarsis* ZETTERSTEDT, 1850: *Diptera Scandinaviæ disposita et discripta* **9**: 3603

- (*Tanypus*). Type-localities: “in Svecia boreali . . . in Jemtlandia . . . in monte subalpino Hofverberget”; “ad diversorium Upland” [Svecia = Sweden].
- quadripunctata* VIMMER, 1918: *Časopis České Společnosti Entomologické* **14**: 6 (*Micropelopia*). Type-locality: [Czech Republic] “Třebíč na Moravě”. [Note]
- rubicundula* SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**: 98 (*Ablabesmyia*; as var. of *melanops* Meigen, 1818). Type-locality: {Canary Islands} “en la isla de la Palma”. [Note]
- rufus* MEIGEN, 1830: *Systematische Beschreibung* **6**: 260 (*Tanypus*). Type-locality: [Title] “europäischen” [= European].
- scripta* VIMMER, 1918: *Časopis České Společnosti Entomologické* **14**: 7 (*Micropelopia*). Type-locality: [Czech Republic] “Třebíč na Moravě”. [Note]
- setosicornis* KIEFFER, 1910: *Memoirs of the Indian Museum* **2**: 213 (*Isoplastus*). Type-locality: [India] “Bengal: Bettiah, Champaran”.
- sexmaculata* VIMMER, 1927: *Acta Societatis Scientiarum Naturalium Moravo-Silesiaca* **4**: 60 (*Micropelopia*). Type-locality: [Czech Republic] “STŘEBEŠ”.
- similima* VIMMER, 1927: *Acta Societatis Scientiarum Naturalium Moravo-Silesiaca* **4**: 61 (*Micropelopia*). Type-locality: [Czech Republic] “Střebeš”.
- strigilifer* KIEFFER, 1921: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **29**: 104 (*Psectrotanypus*). Type-locality: [Poland] “Silésie”.
- sulphurea* GOETGHEBUER, 1942: *Bulletin du Musée Royal d’Histoire Naturelle de Belgique* **18** (46): 9 (*Ablabesmyia*). Type-locality: “Belgique : Destelbergen”.
- suturalis* SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**: 246 (*Ablabesmyia*). Type-locality: {Canary Islands} “en la isla de Tenerife”.
- sylvaticus* MEIGEN, 1804: *Klassifikation und beschreibung der europäischen zweiflügligen insekten* **1**: 24 (*Tanypus*). Type-locality: [Title] “europäischen” [= European].
- tanypodipennis* ZETTERSTEDT, 1838: *Insecta Lapponica* [Heft 3]: 813 (*Chironomus*; as “*Tanypodipennis*”). Type-locality: [Sweden] “in Lappon. Umensi . . . ad Wilhelmina . . . (Lappon.-Ostrogoth. pass.)”. [Note]

- tenuis* MEIGEN, 1838: *Systematische Beschreibung* **7**: 15 (*Tanypus*). Type-locality: [Belgium] “Aus der Lütticher Gegend” [Lütticher = Liège].
- tenuistylus* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **44**: 88 (*Tanypus*). Type-locality: [page 73] “Argentine, aux environs de Alta Gracia, province de Cordoba”.
- tetrasticta* KIEFFER in THIENEMANN & KIEFFER, 1916: *Archiv für Hydrobiologie Supplement* **2**: 522 (*Pelopia*; in footnote, as nom. nov. for *nigropunctata* sensu Kieffer, 1911, nec *nigropunctata* Staeger, 1839, when both in *Pelopia*). Type-locality: Not given || ▶ Type-locality: [Introduction] “d’Allemagne” [= Germany] in Kieffer, 1911: *Bulletin de la Société d’Histoire Naturelle de Metz* **27**: 14 ◀ ||.
- tibialis* SAY, 1823: *Journal of the Academy of Natural Sciences of Philadelphia* **3**: 15 (*Tanypus*). Type-locality: {United States} “Pennsylvania”. Senior primary homonym of *Tanypus tibialis* Staeger, 1845. [Note]
- transversalis* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **44**: 86 (*Tanypus*; as var. of *monilis* Linnaeus, 1758). Type-locality: [page 73] “Argentine, aux environs de Alta Gracia, province de Cordoba”.
- tripunctata* VIMMER, 1927: *Acta Societatis Scientiarum Naturalium Moravo-Silesiacae* **4**: 58 (*Micropelopia*). Type-locality: [Czech Republic] “TŘEBÍČ”.
- trisema* KIEFFER, 1915: *Zoologische Jahrbücher, Abteilung Systematik, Ökologie und Geographie der Tiere* **39**: 104 (*Pelopia*). Type-locality: {Faroes} “Sandö, Ufergeröll”.
- truncata* GOETGHEBUER, 1938: *Bulletin et Annales de la Société Entomologique de Belgique* **78**: 60 (*Ablabesmyia*). Type-locality: “pris à Peterhof (Russie)” [= Peterhof or Petrodvorets, a district in St Petersburg, Russia].
- unifascipennis* ZETTERSTEDT, 1838: *Insecta Lapponica* [Heft 3]: 818 (*Tanypus*). Type-locality: [Sweden] “in Lapponia meridionali . . . (Lappon.-Ångermannia ad Hernösand”. [Note]
- unifascippennis*: incorrect subsequent spelling. [Note]

- unimaculata* MACQUART, 1826: *Recueil des Travaux de la Société d'Amateurs des Sciences, de l'Agriculture et des Arts de Lille 1823-1824*: 189 (*Tanypus*). Type-locality: [Title] “Nord de la France”.
- viridellus* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **43**: 396 (*Tanypus*). Type-locality: [Russia] “une source près de Moscou”.
- viridescens* GOETGHEBUER, 1922: *Annales de Biologie Lacustre* **11**: 57 (*Psectrotanypus*). Type-locality: {Belgique} “Pris à Virton”.
- viridis* MEIGEN, 1804: *Klassifikation und beschreibung der europäischen zweiflügligen insekten* **1**: 24 (*Tanypus*). Type-locality: [Title] “europäischen” [= European].
- viriduliventris* SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**: 251 (*Ablabesmyia*). Type-locality: {Canary Islands} “en la isla de la Palma”.
- zonata* FABRICIUS, 1775: *Systema entomologica*: 753 (*Tipula*). Type-locality: [Great Britain] “Oxoniae” [= Oxford]. [Note]

#### SUBFAMILY USAMBAROMYIINAE

- USAMBAROMYIINAE** ANDERSEN & SÆTHER, 1994: *Aquatic Insects* **16**: 24. Type-genus: *Usambaromyia* Andersen & Sæther, 1994.
- USUMBAROMYIINAE**: incorrect subsequent spelling.

#### Genus **USAMBAROMYIA** ANDERSEN & SÆTHER

- USAMBAROMYIA** ANDERSEN & SÆTHER, 1994: *Aquatic Insects* **16**: 22. Type-species: *Usambaromyia nigrala* Andersen & Sæther, 1994, by original designation.
- USUMBAROMYIA**: incorrect subsequent spelling.
- nigrala** ANDERSEN & SÆTHER, 1994: *Aquatic Insects* **16**: 24 (*Usambaromyia*). Type-locality: “Tanzania: Tanga region, West U.s.a.mbara Mts, Mazumbai.” — Distr.: **AF**: Tanzania.

SUBFAMILY DIAMESINAE

**DIAMESINAE** KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 23 (as “Diamesariae”). Type-genus: *Diamesa* Meigen, 1835. [Note]

**BOREOHEPTAGYIINI** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 366 (as “Boreoheptagyini”). Type-genus: *Boreoheptagyia* Brundin, 1966.

*BOREOHEPTAGYINI*: incorrect original spelling.

**DIAMESINI** KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 23 (as “Diamesariae”). Type-genus: *Diamesa* Meigen, 1835.

**HARRISONINI** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 368. Type-genus: *Harrisonina* Freeman, 1956.

*HARRISONIINI*; *HARRISONININI*: incorrect subsequent spellings. [Note]

**HEPTAGYIINI** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 366 (as “Heptagyini”). Type-genus: *Heptagyia* Philippi, 1866.

*HEPTAGYINI*: incorrect original spelling.

**LOBODIAMESINI** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 366. Type-genus: *Lobodiamesa* Pagast, 1947.

**PROTANYPODINI** BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 60 (as “Protanypini”). Type-genus: *Protanypus* Kieffer, 1906.

*PROTANYPINI*: incorrect original spelling.

Genus **ARCTODIAMESA** MAKARCHENKO

**ARCTODIAMESA** MAKARCHENKO, 1983: *Biologicheskii Problemi Severa, Magadan* **2**: 264. Type-species: *Diamesa appendiculata* Lundström, 1915, by original designation.

**amurensis** MAKARCHENKO, 2007: *Euraziatskii Entomologicheskii Zhurnal* **6**: 77 (*Arctodiamesa*). Type-locality: {Russian Far East} “Levaya Silinka River, Amur River basin, environs of Gornyi Village, Solnechnyi District, Khabarovsk

Territory, N50°42.323', E136°22.169' ". — Distr.: **PA**: Russia (Far East).

**appendiculata** (LUNDSTRÖM, 1915): *Zapiski Imperatorskoi Akademii Nauk* **29**: 23 (*Diamesa*). Type-locality: [Russia] "Chara-Ullach-Gebirge, Ketalach-See". — Distr.: **NE**: U.S.A. (Alaska); **PA**: Novaya Zemlya, Russia (East Siberia, Far East).

**breviramosa** MAKARCHENKO, 1995: *Aquatic Insects* **17**: 88 (*Arctodiamesa*). Type-locality: "unnamed stream in 7 km from Tiski Town, Ust-Lenskyi Nature Preserve, Bulunsk region, Jakutia-Sakha, arctic of East Siberia, Russia". — Distr.: **PA**: Russia (East Siberia).

**marinae** MAKARCHENKO, 2005: *Zootaxa* **1084**: 60 (*Arctodiamesa*). Type-locality: "Russia, Kedrovaya River, Kedrovaya Pad Nature Reserve, Khasansk District, Primorye Territory, N43°05'874", E131°33'412" ". — Distr.: **PA**: Russia (Far East).

sp.: MAKARCHENKO, 1995: *Aquatic Insects* **17**: 90 (*Arctodiamesa*). Locality: "Botchi R., upper stream, Sovgavanskyi region, Khabarovsk Territory, Russian Far East". — Distr.: **PA**: Russia (Far East).

### Nomina dubia in ARCTODIAMESA

*polaris* (KIEFFER, 1926): *Norsk Entomologisk Tidsskrift* **2**: 79 (*Diamesa*). Type-locality: [Canada, Nunavut, Ellesmere Island] "Rice Straith" [= Strait]. [Note]

### Genus BOREOHEPTAGYIA BRUNDIN

**BOREOHEPTAGYIA** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 420. Type-species: *Heptagia* [= *Heptagyia*] *rugosa* Saunders, 1930, by original designation.

*NEOPODONOMUS* CHAUDHURI & GHOSH, 1981: *Systematic Entomology* **6**: 373. Type-species: *Neopodonomus similis* Chaudhuri & Ghosh, 1981, by original designation. Synonymized with *Boreoheptagyia* by Serra-Tosio (1989: *Spixiana* **11**: 135).

*TOYAMADIAMESA* SASA, 1994: *Research Report from Toyama Prefectural Environmental*

*Pollution Research Center* **1994**: 49. Type-species: *Diamesa kurobebrevis* Sasa & Okazawa, 1992, by original designation. Synonymized with *Boreoheptagyia* Brundin, 1966, by Saether, Ashe & Murray (2000: *Manual of Palaearctic Diptera* **4** (Appendix): 222).

**accomodata** (PANKRATOVA, 1950): *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 165 (as "*Heptagia*"). Type-localities: [Tajikistan] {valley of the Amu-dar'i, SSSR in Tadzhikistan} "v r. Kolond'yu" [= in the River Kolond'yu]; "v rr. Kondari i Varzobe" [= in the Rivers Kondari and Varzob]; "v r. Varzob" [= in the River Varzob]; "v r. Kafirnigan bliz Yangi-Bazara" [= in the River Kafirnigan near Yangi-Bazara]; "V raione Kondary" [= in the Kondari Region]. — Distr.: **PA**: Tajikistan.

**alpicola** SERRA-TOSIO, 1989: *Spixiana* **11**: 138 (*Boreoheptagyia*). Type-locality: "France, Valjouffrey (Isère), riv. la Bonne à 1320 m". — Distr.: **PA**: France.

**alulasetosa** MAKARCHENKO, WU & WANG in MAKARCHENKO, ENDO, WU & WANG, 2008: *Zootaxa* **1817**: 2 (*Boreoheptagyia*). Type-locality: "CHINA: Sichuan Province, Kangding County, Wasi Gully". — Distr.: **OR**: China (Sichuan, Yunnan).

**ambigua** MAKARCHENKO, WU & WANG in MAKARCHENKO, ENDO, WU & WANG, 2008: *Zootaxa* **1817**: 4 (*Boreoheptagyia*). Type-locality: "CHINA: Sichuan Province, Kangding County, Wasi Gully". — Distr.: **OR**: China (Sichuan).

**brevitarsis** (TOKUKAGA, 1936): *Philippine Journal of Science* **59**: 528 (*Prodiamesa* (*Monodiamesa*)). Type-locality: "Japan . . . Kibune, Kyoto". — Distr.: **PA**: Japan, Romania. [**Note**]

*kurobeia* SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 62 (*Boreoheptagyia*). Type-locality: [Japan] "Nekomata".

**cinctipes** (EDWARDS, 1928): *Encyclopédie Entomologique, B-II, Diptera* **4**: 171 (as "*Heptagia*"). Type-localities: {Corsica} "Forests of Tavignano, Valdoniello and

Aitone ; . . . on large rocks in beds of mountain streams”. — Distr.: **PA**: Corsica, France, Italy.

**dasyops** SERRA-TOSIO, 1989: *Spixiana* **11**: 145 (*Boreoheptagyia*). Type-locality: “France, Valjouffrey (département de l’Isère), le Désert, cascade sous la Roche, 1350 m”. — Distr.: **PA**: France.

**eburnea** (TOKUNAGA, 1937): *Philippine Journal of Science* **62**: 60 (*Heptagyia*). Type-locality: “Honshu, Japan . . . Mount Ryozen, Siga Prefecture”. — Distr.: **PA**: Japan.

**kurobebrevis** (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 58 (*Diamesa*). Type-locality: [Japan] “Nekomata”. — Distr.: **PA**: Japan.

*kurobabrevis*: incorrect original spelling.

**legeri** (GOETGHEBUER, 1933): *Bulletin et Annales de la Société Entomologique de Belgique* **73**: 357 (*Protanypus*). Type-locality: [France] “au glacier d’Argentière (Massif du Mont-Blanc)”. — Distr.: **PA**: Algeria, Andorra, Armenia, Austria, Bulgaria, Corsica, Czech Republic, France, Germany, Greece, Italy, Lebanon, Madeira, Moldova, Morocco, Poland, Portugal, Romania, Sicily, Slovakia, Spain, Switzerland, Turkey.

*punctulata* (GOETGHEBUER, 1934): *Bulletin et Annales de la Société Entomologique de Belgique* **74**: 337 (as “*Hepyagia*”). Type-locality: [Germany] {Garmisch-Partenkirchen (Haute-Bavière)} “dans une source à 900 m. d’altitude (G.-P.)” [G.-P. = Garmisch-Partenkirchen].

**lurida** (GARRETT, 1925): *Seventy New Diptera*: 6 (*Diamesa*). Type-locality: [Canada] “Cranbrook, B.C.” [= British Columbia]. — Distr.: **NE**: Canada (British Columbia), U.S.A. (Alaska, Michigan, New York, Washington, Wyoming).  
[Note]

**monticola** (SERRA-TOSIO, 1964): *Travaux du Laboratoire d’Hydrobiologie et de Pisciculture de l’Université de Grenoble* **56**: 47 (*Heptagyia*). Type-locality: {France} “col du Lautaret (Hautes-Alpes), torrent le Rif Blanc, altitude de



1 900 m". — Distr.: **PA**: France, Kosovo, Macedonia, Poland, Slovakia, Spain, Switzerland.

**nepalensis** MAKARCHENKO & ENDO in MAKARCHENKO, ENDO, WU & WANG, 2008: *Zootaxa* **1817**: 9 (*Boreoheptagyia*). Type-locality: "NEPAL: Langtang Region, pond near Khyimjung Glacier, 4.175 m a.s.l.". — Distr.: **OR**: Nepal.

**nipponica** (TOKUNAGA, 1937): *Philippine Journal of Science* **62**: 58 (*Heptagyia*). Type-locality: "Honshu, Japan . . . Kibune, Kyoto". — Distr.: **PA**: Japan.

**phoenicia** MOUBAYED, 1993: *Netherlands Journal of Aquatic Ecology* **26**: 187 (*Boreoheptagyia*). Type-locality: "Lebanon, Batloon spring (crenal), Awwaly river, northeast of Sayda, alt. 960 m". — Distr.: **PA**: Lebanon.

**rotunda** SERRA-TOSIO, 1983: *Spixiana* **6**: 23 (*Boreoheptagyia*). Type-locality: "Népal . . . Basislager Yarral bei Pangpoche, ca. 4000 m Höch". — Distr.: **PA**: Lebanon, Turkey; **OR**: Nepal.

**rugosa** (SAUNDERS, 1930): *Entomologist's Monthly Magazine* **66**: 209 (as "*Heptagia*"). Type-locality: "splash line of clear mountain streams in the French Alps, particularly R. Esteron just before it flows into the muddy Var at Pont Albert, Provence, France". — Distr.: **PA**: ?Austria, France, Netherlands, Romania.

? *alboannulata* (STROBL, 1910): *Mitteilungen des Naturwissenschaftlichen Vereins für Steiermark* **46**: 268 (*Diamesa*). Type-locality: [Austria] {Steiermark} "In einem Bergwalde bei Turrach". **Questionable synonym.**

**sasai** MAKARCHENKO & ENDO in MAKARCHENKO, ENDO, WU & WANG, 2008: *Zootaxa* **1817**: 11 (*Boreoheptagyia*). Type-locality: "RUSSIA: North-Eastern Russia, Ten'kinsky County, Magadan Region, Kolyma River Basin, Vlastnyi Peak not far from Sibit-Tyellah Village, Olen' Stream, 1.100–1.300 m a.s.l.". — Distr.: **PA**: Japan, Russia (Far East).

**similis** (CHAUDHURI & GHOSH, 1981): *Systematic Entomology* **6**: 375 (*Neopodonomus*). Type-locality: "Bhutan: Wangdi, 2014 m". — Distr.: **OR**: China (Yunnan), Bhutan, India (Sikkim).

**tibetica** MAKARCHENKO & WANG in MAKARCHENKO, WANG & WILLASSEN,

1996: *Japanese Journal of Entomology* **64**: 825 (*Boreoheptagyia*). Type-locality: “Dnonqing, Xiachayu, Tibet, China, 1700 m alt.”. — Distr.: **OR**: China (Tibet).

**unica** MAKARCHENKO, 1994: *Bulletin of the National Science Museum, Tokyo* (Series A) **20**: 87 (*Boreoheptagyia*). Type-locality: “Toyamazawa River, upper stream, Nikko National Park, altitude 1,450 m above sea-level, Okunikko, Tochigi Prefecture, Japan”. — Distr.: **PA**: Japan.

**xinglongiensis** MAKARCHENKO, WU & WANG in MAKARCHENKO, ENDO, WU & WANG, 2008: *Zootaxa* **1817**: 15 (*Boreoheptagyia*). Type-locality: “CHINA: Sichuan Province, Baoxing County, Xinglong West River”. — Distr.: **OR**: China (Sichuan).

spec. 1: SERRA-TOSIO, 1989: *Spixiana* **11**: 138 (*Boreoheptagyia*). Localities: “U.S.A.: Oregon, Wah Keena Creek, Bensen State Park”; “Canada: Alberta, Rockingham Creek, at Yellowhead Lake, Jasper”. — Distr.: **NE**: Canada (Alberta), U.S.A. (Oregon).

spec. 2: SERRA-TOSIO, 1989: *Spixiana* **11**: 138 (*Boreoheptagyia*). Locality: “Canada: British Columbia «Athabasca River, Jasper, Br. Col.”. — Distr.: **NE**: Canada (British Columbia).

spec. 3: SERRA-TOSIO, 1989: *Spixiana* **11**: 170 (*Boreoheptagyia*). Localities: “France: Burzet (Ardèche), la Bourges etre Sausses et Burzet, 550 m”; “Sainte-Marguerite (Ardèche), affluent du Chassezac”; “Corse, la Restonica, 450 m”. — Distr.: **PA**: Corsica, France.

#### Genus **DIAMESA** MEIGEN

**DIAMESA** MEIGEN in GISTL, 1835: *Faunus* **2**: 66. Type-species: *Diamesa cinerella* Meigen, 1835, by monotypy. Senior homonym of *Diamesa* Waltl, 1837 and *Diamesa* Meigen, 1835. [Note]

*DIAMESA* WALTL, 1837: *Isis* (Oken’s) **21**: 283. Type-species: *Diamesa cinerella* Meigen, 1835, by monotypy. Junior homonym of *Diamesa* Meigen, 1835.

*DIAMESA* MEIGEN, 1838: *Systematische Beschreibung* **7**: 12. Type-species: *Diamesa waltlii* Meigen, 1838 [= *Diamesa cinerella* Meigen, 1835], by subsequent designation of Coquillett (1910: *Proceedings of the United States National Museum* **37**: 532). Junior homonym of *Diamesa* Meigen, 1835 and *Diamesa* Waltl, 1837.

*EUTANYPUS* COQUILLET, 1899: *The fur seals and fur-seal islands of the North Pacific Ocean* **4**: 341. Type-species: *Eutanypus borealis* Coquillett, 1899, by original designation. Synonymized with *Diamesa* Meigen, 1835, by Edwards (1929: *Transactions of the Entomological Society of London* **77**: 304).

*ADIAMESA* KIEFFER, 1906: *Genera Insectorum* **42**: 36 (as subgenus of *Diamesa* Meigen, 1835). Type-species: *Chironomus tonsus* Haliday, 1856, by monotypy. Synonymized with *Diamesa* Meigen, 1835, by Edwards (1929: *Transactions of the Entomological Society of London* **77**: 304).

*PSILODIAMESA* KIEFFER, 1918: *Entomologische Mitteilungen* **7**: 104. Type-species: *Psilodiamesa spitzbergensis* Kieffer, 1918 [= *Diamesa aberrata* Lundbeck, 1898], by original designation. Synonymized with *Diamesa* Meigen, 1835, by Edwards (1929: *Transactions of the Entomological Society of London* **77**: 304). [Note]

*BRACHYDIAMESA* GOETGHEBUER, 1933: *Bulletin et Annales de la Société Entomologique de Belgique* **73**: 55 (as subgenus of *Diamesa* Meigen, 1835). Type-species: *Diamesa steinboeckii* Goetghebuer, 1933 (as “*Steinböcki*”), by monotypy. Synonymized with *Diamesa* Meigen, 1835, by Pagast (1947: *Archiv für Hydrobiologie* **41**: 462).

*NESODIAMESA* STORÅ, 1945: *Commentationes Biologicae* **8**(10): 23 (as subgenus of *Diamesa* Meigen, 1835). Type-species: *Diamesa (Nesodiamesa) alata* Storå, 1945, by original designation. Synonymized with *Diamesa* Meigen, 1835, by Ashe (1983: *Entomologica Scandinavica Supplement* **17**: 20).

*ONYCHODIAMESA* PAGAST, 1947: *Archiv für Hydrobiologie* **41**: 460. Type-species: *Syndiamesa macronyx* Kieffer, 1918, by original designation. Synonymized with *Diamesa* Meigen, 1835, by Ashe & Cranston (1990: *Catalogue of Palaearctic Diptera* **2**: 143).

- aberrata** LUNDBECK, 1898: *Videnskabelige Meddelelser fra Dansk Naturhistorisk Forening i Kjøbenhavn* **5**: 289 (*Diamesa*). Type-locality: “Tillæg til Rink: Grønland” [Lectotype designated in Oliver, 1962: *Astarte* **20**: 4, “Godhaab, Greenland”]. — Distr.: **NE**: Canada (Nunavut), Greenland, U.S.A. (Alaska, Wyoming); **PA**: Austria, Bear Island, Bulgaria, China (Sichuan), Faroe Islands, Finland, France, Germany, Greece, Iceland, Italy, Jan Mayen, Latvia, Morocco, Norway, Poland, Russia (NET, SET), Spain, Spitzbergen, Sweden, Switzerland, ?Turkey; **OR**: India (Jammu-Kashmir).
- ? *spitzbergensis* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 104 (*Psilodiamesa*). Type-locality: Not given [Spitzbergen] || ▶ Type-locality: “Spitzbergen: Croßbai, Ebelthofhafen, Süßwassertümpel” in Kieffer & Thienemann, 1919): *Entomologische Mitteilungen* **8**: 42 ◀ ||. Senior primary homonym of *Psilodiamesa spitzbergensis* Kieffer, 1919.
- ? *spitzbergensis* (KIEFFER in KIEFFER & THIENEMANN, 1919): *Entomologische Mitteilungen* **8**: 42 (*Psilodiamesa*). Type-locality: “Spitzbergen: Croßbai, Ebelthofhafen, Süßwassertümpel”. **Preoccupied**. Junior primary homonym of *Psilodiamesa spitzbergensis* Kieffer, 1918. **Questionable synonym**.
- aculeata** WILLASSEN, 2005: *Zootaxa* **1049**: 25 (*Diamesa*). Type-locality: “China: Tibet, Rongbuk, 5000 m a.sl.”. — Distr.: **PA**: China (Tibet).
- alata** STORÅ, 1945: *Commentationes Biologicae* **8**(10): 23 (*Diamesa* (*Nesodiamesa*)). Type-locality: {Azoren} “Mig.: Furnas, an dem Bach W von der Stadt” [Mig. = Island of San Miguel]. — Distr.: **PA**: Azores, Madeira.
- alpina** TOKUNAGA, 1936: *Philippine Journal of Science* **59**: 539 (*Diamesa* (*Diamesa*)). Type-locality: “Japanese Alps, Japan . . . Tsurugisawa, Toyama Prefecture”. — Distr.: **NE**: Canada (Alberta), U.S.A. (Alaska); **PA**: China (Jilin), Japan, Russia (Far East). Senior secondary homonym of *Syndiamesa alpina* Goetghebuer, 1941 (a synonym of *Diamesa vaillanti* Serra-Tosio, 1972).
- kurobedistalis* SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 59 (*Diamesa*).

Type-locality: [Japan] “Sennin Dam”.

*kurobenagaia* SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 61 (*Diamesa*).

Type-localities: [Japan] “Kurobe, Aimoto and Yamabiko Bridges”.

**amanoi** MAKARCHENKO & KOBAYASHI, 1997: *Medical Entomology and Zoology* **48**: 45 (*Diamesa*). Type-locality: “Mera La, Nepal, N27°43'18", E86°54'17", alt. 5,050 m”. — Distr.: **OR**: Nepal.

**ampla** MAKARCHENKO, WU & WANG, 2008: *Russian Entomological Journal* **17**: 319 (*Diamesa*). Type-locality: “China, Shennong Jia Nature Preserve Area, Hubei Province”. — Distr.: **OR**: China (Hubei, Yunnan).

**amplexivirilia** HANSEN in HANSEN & COOK, 1976: *Memoirs of the American Entomological Society* **30**: 53 (*Diamesa*). Type-locality: {U.S.A.} “Washington, 3 mi. E., 6 mi. S. of Glacier, on rocks in meltwater stream, at timberline on Mt. Baker”. — Distr.: **NE**: Canada (Alberta, British Columbia), U.S.A. (Montana, Washington); **PA**: Russia (Far East).

**ancysta** ROBACK, 1959: *Notulae Naturae* **315**: 1 (*Diamesa*). Type-locality: [U.S.A.] “Greenough, Montana, near National Lead Co. Mill along Blackfoot River”. — Distr.: **NE**: U.S.A. (Alaska, Colorado, Idaho, Montana, Nevada, Utah, Washington).

**arctica** (BOHEMAN, 1865): *Öfversigt af Kongl. Vetenskaps-akademiens Förhandlingar* **22**: 574 (*Chironomus*). Type-localities: {Spetsbergen} [= Spitzbergen] “ad Seal Point”; “ad Cap Thordsen”; “ad Middel Hook in Bel Sund”. — Distr.: **NE**: Canada (Nunavut), U.S.A. (Alaska); **PA**: Iceland, Norway, Novaya Zemlya, Russia (NET, East Siberia, Far East), Spitzbergen, Sweden.

*poultoni* EDWARDS, 1922: *Annals and Magazine of Natural History* (9) **10**: 213 (*Diamesa*). Type-localities: “Spitsbergen: Green Harbour, S. side of entrance to Ice Fjord, . . . 0-100 ft.”; “Prince Charles’ Foreland: Pt. Carmichael, Freshwater Bay district, N.E. of island, . . . 30-100 ft.”.

*flavipila* EDWARDS, 1922: *Annals and Magazine of Natural History* (9) **10**: 214

(*Diamesa*; as var. of *poultoni* Edwards, 1922). Type-locality: {Spitsbergen} “Prince Charles’ Foreland: Pt. Carmichael, Freshwater Bay district, N.E. of island”.

**astyla** TOKUNAGA, 1936: *Philippine Journal of Science* **59**: 545 (*Diamesa* (*Diamesa*)). Type-locality: “Japanese Alps, Japan . . . Tsurugisawa, Toyama Prefecture”. — Distr.: **PA**: Japan.

**baicalensis** CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR* **31**: 103 (*Diamesa*). Type-localities: [Russia] {SSSR} \*\*na kamnyakh nizhnei Angare i v kamenistoi litorali Baikala\*\* [= on stones of the Lower Angara and stones in the littoral of Baikal]. — Distr.: **PA**: Russia (East Siberia). [**Note**]

**barraudi** PAGAST, 1947: *Archiv für Hydrobiologie* **41**: 475 (*Diamesa*). Type-locality: “India Kasauli”. — Distr.: **OR**: India (Himachal Pradesh), Nepal.

**bertrami** EDWARDS, 1935: *Annals and Magazine of Natural History* (10) **15**: 470 (*Diamesa*). Type-locality: {East Greenland} “Cape Dalton”. — Distr.: **NE**: Greenland; **PA**: Austria, Bear Island, Bulgaria, China (Jilin), Finland, France, Georgia, Germany, Greece, Iceland, Italy, Morocco, Norway, Poland, Romania, Russia (Far East), Slovakia, Spain, Sweden, Switzerland.

**bicornipes** CHAUDHURI & GHOSH, 1981: *Entomologische Berichten* **41**: 92 (*Diamesa*). Type-locality: “India, West Bengal, Darjeeling”. — Distr.: **OR**: India (West Bengal).

*cornipes* GHOSH & CHAUDHURI, 1981: *Proceedings of the 68th Indian Science Congress, Part III (Section VII)*: 36 (*Diamesa*). Type-locality: “India”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum. Syn. nov.** [**Note**]

**bohemani** GOETGHEBUER, 1932: *Faune de France* **23**: 181 (*Diamesa*; as nom. nov. for *waltlii* sensu Edwards, 1929 nec *waltlii* Meigen, 1838 and *arctica* sensu Edwards, 1922 nec *arctica* Boheman, 1865). Type-localities: “Basse-Autriche”; “Islande”; “Spitzberg” [= Spitzbergen] [Type-locality restricted to

“Spitzbergen” in Edwards, 1933: *Annals and Magazine of Natural History* (10) **12**: 617]. — Distr.: **NE**: Canada (Nunavut), Greenland; **PA**: Austria, Bear Island, Belgium, Finland, France, Germany, Great Britain, Greece, Iceland, Ireland, Norway, Poland, Romania, Russia (NET), Spitzbergen, Sweden.

*edwardsi* GOETGHEBUER in GOETGHEBUER & LENZ, 1939: *Die Fliegen der Palaearktischen Region* **13d**: 13 (*Diamesa*; as “*Edwardsi*”; as nom. nov. for *waltlii* sensu Edwards, 1929 nec *waltlii* Meigen, 1838 and *arctica* sensu Edwards, 1922 nec *arctica* Boheman, 1865). Type-localities: “Britannia”; “Spitzbergen”.

**borealis** (COQUILLET, 1899): *The fur seals and fur seal islands of the North Pacific Ocean* **4**: 341 (*Eutanypus*). Type-locality: [Russia, Komandorskiye Ostrova or Commander Islands] “Bering Island”. — Distr.: **PA**: Japan, Russia (Far East, East Siberia). [**Note**]

*coquilletti* SUBLETTE, 1966: *Journal of the Kansas Entomological Society* **39**: 584 (*Diamesa*; as nom. nov. for *Eutanypus borealis* Coquillett, 1899, a senior secondary homonym of *Diamesa borealis* Kieffer, 1915, when both in *Diamesa*).

**bryophila** (SINGH, 1958): *Proceedings of the National Academy of Sciences of India* (B) **28**: 313 (*Trichocladius*). Type-locality: {India} “Rahla, 2700 metres”. — Distr.: **OR**: India (Himachal Pradesh).

**caucasica** KOWNACKI & KOWNACKA, 1973: *Bulletin de la Académie Polonaise des Sciences, Série des Sciences Biologiques* **21**: 131 (*Diamesa*). Type-localities: [Georgia] “in glacial streams of the High Caucasus at an altitude 2000—2700 m a.s.l., . . . in the stream Suatysi (one of the tributaries of the River Terek)”; “streams Mnaisidon and Chkheri (glacial tributary of the River Terek)”. — Distr.: **PA**: Georgia.

**cheimatophila** HANSEN in HANSEN & COOK, 1976: *Memoirs of the American Entomological Society* **30**: 68 (*Diamesa*). Type-locality: {U.S.A.} “New York, . . . New Field, Tompkins County, Rt. 13 nr. Co. Rd. 133”. — Distr.: **NE**: U.S.A.

(New York).

- chiobates** HANSEN in HANSEN & COOK, 1976: *Memoirs of the American Entomological Society* **30**: 70 (*Diamesa*). Type-locality: [U.S.A.] “Wisconsin, 45°43'N, 92°09'W, 11 mi. E, 4 mi. S of Siren, Burnett County”. — Distr.: **NE**: U.S.A. (Michigan, Minnesota, Wisconsin,).
- chorea** LUNDBECK, 1898: *Videnskabelige Meddelelser fra Dansk Naturhistorisk Forening i Kjøbenhavn* **5**: 291 (*Diamesa*). Type-localities: “Nord- og Sydgrønland; Neriafjord . . ., Holstenborg . . ., Tasersuak paa Nugsuakhalvøen” [Lectotype designation in Hansen & Cook, 1976: *Memoirs of the American Entomological Society* **30**: 74, {Greenland} “Tasersauk” [= Tasersuak] — Distr.: **NE**: Greenland, U.S.A. (Alaska, California, Wyoming).
- cinerella** MEIGEN in GISTI, 1835: *Faunus* **2**: 66 (*Diamesa*). Type-locality: [Germany] “aus der Umgegend von München” [Lectotype designation in Willassen & Serratosio, 1988: *Spixiana Supplement* **14**: 94]. — Distr.: **PA**: Austria, Belgium, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, ?Poland, Slovakia, Spain, Switzerland.
- waltlii* MEIGEN, 1838: *Systematische Beschreibung* **7**: 13 (*Diamesa*; as “Waltlii”). Type-locality: [Germany] “aus Baiern” [= Bavaria].
- clavata** EDWARDS, 1933: *Annals and Magazine of Natural History* (10) **12**: 615 (*Diamesa*). Type-locality: [Canada, Nunavut] “Akpatok Island”. — Distr.: **NE**: Canada (Nunavut).
- colenae** HANSEN in HANSEN & COOK, 1976: *Memoirs of the American Entomological Society* **30**: 76 (*Diamesa*). Type-locality: [U.S.A.] “Wyoming, 44°17'N, 106°57'W, South Fork Campground, 12 mi. W, 5 mi. S of Buffalo, . . . by Clear Creek”. — Distr.: **NE**: Canada (Yukon Territory), U.S.A. (Alaska, Wyoming).
- cranstoni** WILLASSEN, 1988: *Aquatic Insects* **10**: 221 (*Diamesa*). Type-locality: {Malaysia} “Sabah: Mt.Kinabalu, Panar Laban, 8.900-11,000' (swept)”. — Distr. **OR**: Malaysia (Sabah).
- dactyloidea** MAKARCHENKO, 1988: *Informatsionnyi Byulleten' Biologiya Vnutrennikh*



*Vod, Leningrad* **79**: 52 (*Diamesa*). Type-locality: [Russia, Far East] \*\*Primorskii kr., Partizanskii r-n, r. Frolovka (bas. r. Partizanskaya)\*\* [= Primorskii Krai, Partizansk Region, River Frolovka (basin of the River Partizansk)]. — Distr.: **PA**: Russia (Far East).

**dampfi** (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 50 (*Syndiamesa*; as “*Dampfi*”). Type-localities: [Germany] “Todtmoos, au Schwarzwald”; “larves dans les torrents de la Wehra et du Todtenbach ; au Sanatorium, bord de la forêt”. — Distr.: **PA**: Austria, France, Germany, Greece, Iceland, Italy, Luxembourg, Poland, Slovakia.

**dashauhari** SINGH & MAHESHWARI, 1989: *Acta Biologica Debrecina, Supplementum Oecologica Hungarica* **2**: 346 (*Diamesa*). Type-locality: “India: Himachal Pradesh, Dashauhar Lake (4,200 metres above m. s. l.), Northwest Himalaya”. — Distr.: **OR**: India (Himachal Pradesh).

**davisi** EDWARDS, 1933: *Annals and Magazine of Natural History* (10) **12**: 614 (*Diamesa*). Type-locality: [Canada, Nunavut] “Akpatok Island” [Lectotype designation in Willassen, 1986: *Spixiana Supplement* **11**: 116: “S. E. Akpatok I., Ungava Bay, N. Canada”]. — Distr.: **NE**: Canada (Nunavut), Greenland, U.S.A. (Alaska, California, Michigan, Montana, New Hampshire, Utah, Washington, Wyoming); **PA**: Russia (?East Siberia, Far East).

**edentistyla** BHATTACHARYAY & CHAUDHURI, 1991: *Records of the Zoological Survey of India* **89**: 31 (*Diamesa*). Type-locality: “India, West Bengal, Darjeeling”. — Distr.: **OR**: India (West Bengal).

**filicauda** TOKUNAGA, 1966: *Results of the Kyoto University Scientific Expedition to the Karakorum and Hindukush, 1955 (Additional Reports)* **7**: 274 (*Diamesa*). Type-locality: “Mt. Noshag, 3800 m, NE. Afghanistan”. — Distr.: **PA**: Afghanistan, China (Gansu, Qinghai), Uzbekistan.

*pankratovae* MAKARCHENKO & BULGAKOV, 1986: *Informatsionnyi Byulleten' Biologiya Vnutrennikh Vod, Leningrad* **70**: 37 (*Diamesa*). Type-locality: {Uzbekistan} \*\*Tashkentskaya obl., Parkentskii raion, Chatkal'skii gorno-

lesnoi zapovednik, r. Shavazikolonsai\*\* [= Tashkentskaya Oblast, Parkentskii Region, Chatkal'sk Mountain-Forest Nature Reserve, River Shavazikolonsai].

**freemani** WILLASSEN & CRANSTON, 1986: *Zoological Journal of the Linnean Society* **87**: 93 (*Diamesa*). Type-locality: “Kenya: Mount Kenya, north side, Liki North stream, 4000 m.o.d.”. — Distr.: **AF**: Kenya.

**garretti** SUBLETTE & SUBLETTE, 1965: *United States Department of Agriculture Handbook* **276**: 151 (*Diamesa*; as nom. nov. for *borealis* Garrett, 1925 nec *borealis* Kieffer, 1915). — Distr.: **NE**: Canada (British Columbia), U.S.A. (Idaho, Montana, Washington, Wyoming).

*borealis* GARRETT, 1925: *Seventy New Diptera*: 6 (*Diamesa*). Type-locality: [Canada, British Columbia] “Cranbrook” [Lectotype designated in Sublette, 1967: *Journal of the Kansas Entomological Society* **40**: 297, “Cranbrook”]. **Preoccupied**. Junior primary homonym of *Diamesa borealis* Kieffer, 1915. Junior secondary homonym of *Diamesa borealis* (Coquillett, 1899).

**geminata** KIEFFER, 1926: *Norsk Entomologisk Tidsskrift* **2**: 79 (*Diamesa*). Type-locality: [Greenland] “Reindeerpoint” [Lectotype designated in Sæther, Sublette & Willassen, 1984: *Entomologica Scandinavica* **15**: 253, “Greenland: Reindeer Point”]. — Distr.: **NE**: Canada (Nunavut), Greenland; **PA**: Russia (Far East).

*biappendiculata* GOETGHEBUER in REMY, 1928: *Bulletin Bimensuel de la Société Linnéenne de Lyon* **7**: 52 (*Diamesa* (*Syndiamesa*)). Type-locality: {Groenland oriental} “sur la Terre Jameson à 4 kilomètres au Nord du cap Stewart, non loin de la côte du Hurry Inlet”. [Groenland = Greenland].

*furcata* EDWARDS, 1933: *Annals and Magazine of Natural History* (10) **12**: 617 (*Diamesa*). Type-locality: [Canada, Nunavut] “Akpatok Island”.

**goetghebueri** PAGAST, 1947: *Archiv für Hydrobiologie* **41**: 474 (*Diamesa*). Type-localities: [Austria] “Nord-Tirol, Sölden”; “Nord-Tirol, St. Sigmund”. — Distr.: **PA**: Austria, France, Italy, Switzerland.

*berardensis* SERRA-TOSIO, 1964: *Travaux du Laboratoire d'Hydrobiologie et de Pisciculture de l'Université de Grenoble* **56**: 38 (*Diamesa*). Type-locality:

{France} “provenant du Vénéon à La Bérarde (Isère, massif de l'Oisans), à l'altitude de 1 710 m”.

**gregsoni** EDWARDS, 1933: *Annals and Magazine of Natural History* (10) **12**: 618 (*Diamesa*). Type-locality: [Canada, Nunavut] “Akpatok Island”. — Distr.: **NE**: Canada (New Brunswick, Nunavut), U.S.A. (Alaska, Michigan); **PA**: China (Jilin, Liaoning), Norway, Novaya Zemlya, Russia (Far East), Sweden.

**hamaticornis** KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 56 (*Diamesa*). Type-locality: “Basse-Autriche : région des lacs de Lunz”. — Distr.: **PA**: ?Afghanistan, Algeria, Andorra, Austria, France, Germany, Morocco, Poland, Russia (West Siberia), Spain, Switzerland.

**haydaki** HANSEN in HANSEN & COOK, 1976: *Memoirs of the American Entomological Society* **30**: 93 (*Diamesa*). Type-locality: [U.S.A.] “Wyoming; . . . Powder River Pass, 40°10'N, 107°05'W, 18 mi W, 13 mi. S of Buffalo, alt. 9600', sweeping in spruce-fir forest”. — Distr.: **NE**: U.S.A. (Alaska, Arizona, Colorado, Minnesota, Wyoming).

**heteropus** (COQUILLET, 1905): *Journal of the New York Entomological Society* **13**: 66 (*Tanypus*). Type-localities: [U.S.A.] “Pullman, Washington”; “Las Vegas Hot Springs, N. M.” [= New Mexico]; “Mt. Washington, N. H.” [= New Hampshire]. — Distr.: **NE**: Canada (British Columbia), U.S.A. (Alaska, California, Colorado, Idaho, Minnesota, Montana, Nebraska, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming). [**Note**]

*confusa* (GARRETT, 1925): *Seventy New Diptera*: 5 (*Adiamesa*). Type-locality: [Canada] “Cranbrook, B.C.” [= British Columbia].

*banana* GARRETT, 1925: *Seventy New Diptera*: 6 (*Diamesa*). Type-localities: [Canada] “Cranbrook and Fernie, B.C.” [= British Columbia] [Lectotype designated in Sublette, 1967: *Journal of the Kansas Entomological Society* **40**: 295, “Cranbrook, B.C.”].

*onteona* ROBACK, 1957: *Proceedings of the Academy of Natural Sciences of Philadelphia* **109**: 6 (*Diamesa*). Type-locality: [U.S.A.] “Heber-Midway

Bridge, Wasatch County, Utah”.

**hyperborea** HOLMGREN, 1869: *Kungliga Svenska VetenskapsAkademiens Handlingar* **8** (5): 48 (*Diamesa*). Type-locality: “ad ripas fluviorum et ad litora lacuum in Beeren Eiland” [= Bear Island]. — Distr.: **PA**: Bear Island, Faroe Islands, Finland, Iceland, Norway.

*hyperborea*: **Not Nearctic**.

*ursus* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 104 (*Adiamesa*). Type-locality: {Spitzbergen} “Bäreninsel” [= Bear Island] || ▶ Type-locality: {Spitzbergen} “Süßwassertümpel: Bäreninsel oberhalb der Walfischbucht” in Kieffer & Thienemann, 1919): *Entomologische Mitteilungen* **8**: 42 ◀ ||. Senior primary homonym of *Adiamesa ursus* Kieffer, 1919

*ursus* (KIEFFER in KIEFFER & THIENEMANN, 1919): *Entomologische Mitteilungen* **8**: 42 (*Adiamesa*). Type-locality: {Spitzbergen} “Süßwassertümpel: Bäreninsel oberhalb der Walfischbucht”. **Preoccupied**. Junior primary homonym of *Adiamesa ursus* Kieffer, 1918.

**incallida** (WALKER, 1856): *Insecta Britannica, Diptera* **3**: 183 (*Chironomus*). Type-locality: “(E.)” [= England]. — Distr.: **NE**: Canada (Manitoba, Ontario, Yukon Territory), U.S.A. (Alaska, Michigan, Utah, Washington, Wyoming); **PA**: Austria, Czech Republic, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Greece, Hungary, Iceland, Ireland, Italy, Norway, Poland, Russia (Far East), Slovakia, Sweden.

*nexilis* (WALKER, 1856): *Insecta Britannica, Diptera* **3**: 184 (*Chironomus*). Type-locality: “(E.)” [= England].

*fonticola* SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 24 (*Diamesa*). Type-locality: [Canada] “cold spring, at The Bog near the Pas, Man.” [= Manitoba].

**insidiosa** SERRA-TOSIO, 1983: *Spixiana* **6**: 4 (*Diamesa*). Type-locality: “Népal (., Can. Nepal Exped., 27°57'N, 84°59'E . . . 10000 feet)”. — Distr.: **OR**: Nepal.

**insignipes** KIEFFER in KIEFFER and THIENEMANN, 1908: *Zeitschrift für*

*Wissenschaftliche Insektenbiologie* **4**: 3 (*Diamesa*). Type-locality: [Germany] “Insel Rügen”. — Distr.: **NE**: U.S.A. (Utah, Wyoming); **PA**: Albania, Algeria, Austria, Bulgaria, Crete, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Greece, Hungary, Ireland, Italy, Luxembourg, Macedonia, Mongolia, Morocco, Netherlands, Poland, Romania, Russia (NET, East Siberia, Far East), Serbia, Slovakia, Spain, Switzerland, Turkey.

*prolongata* KIEFFER, 1909: *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 40 (*Diamesa*). Type-locality: {Allemagne} [= Germany] “Westphalie”.

**japonica** TOKUNAGA, 1936: *Philippine Journal of Science* **59**: 542 (*Diamesa* (*Diamesa*)). Type-locality: “Japanese Alps, Japan . . . Kashima, Nagano Prefecture”. — Distr.: **NE**: U.S.A. (California, Montana, Utah, Washington, Wyoming); **PA**: Japan, Russia (Far East).

*leoniella* HANSEN in HANSEN & COOK, 1976: *Memoirs of the American Entomological Society* **30**: 111 (*Diamesa*). Type-locality: [U.S.A.] “Wyoming, 44°58'6"N, 109°33'12"W, alt. 9,640', 32 mi. N, 24 mi. W of Cody, small stream feeding unnamed lake”.

*kurobemijikaia* SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 60 (*Diamesa*). Type-localities: [Japan] “Kurobe Bridge”; “Aimoto Bridge”; “Yamabiko Bridge”.

*kurobamijikaia*: incorrect original spelling.

**kasaulica** PAGAST, 1947: *Archiv für Hydrobiologie* **41**: 475 (*Diamesa*). Type-locality: “India: Kasauli”. — Distr.: **OR**: India (Kashmir, Himachal Pradesh), Nepal.

*kasailica*: incorrect subsequent spelling.

**kasymovi** KOWNACKI & KOWNACKA, 1973: *Bulletin de la Académie Polonaise des Sciences, Série des Sciences Biologiques* **21**: 32 (*Diamesa*). Type-localities: “on the stream Chachmanchay a high mountain tributary of the river Kurmuchczaj — the basin of the river Ałazani a tributary of the river Kura (Azerbaijan)”; [Georgia] “stream Suatisi at altitude of 2500 m a.s.l.”; [Georgia] “stream Czheri

(glacial tributary of the river Terek), 1700 m a.s.l.”. — Distr.: **PA**: Austria, Azerbaijan, Belgium, Georgia, Italy, Lebanon, Poland, Slovakia, Switzerland, Turkey.

**kaszabi** SERRA-TOSIO, 1983: *Spixiana* **6**: 8 (*Diamesa*). Type-locality: “Mongolie („Mongolia: Bajan-Ölgij aimak, im Tal des Flusses Chavcalyn gol, 25 km O von Somon Cagannuur, 1850 m.”. — Distr.: **PA**: China (Qinghai), Mongolia.

**kenyae** FREEMAN, 1964: *Annalen des Naturhistorischen Museums in Wien* **67**: 407 (*Diamesa*). Type-locality: [Kenya] “Mt. Kenya: Lewis Tarn, 4950 metres”. — Distr.: **AF**: Kenya.

**khoksarensis** (KAUL, 1970): *Oriental Insects* **4**: 296 (*Adiamesa*). Type-locality: {India} “N. W. Himalaya: Khoksar, 3200 m, right bank of R. Chandra, southern slope of the Great Himalaya”. — Distr.: **OR**: India (Himachal Pradesh).

**khumbugelida** SÆTHER & WILLASSEN, 1987: *Entomologica Scandinavica Supplement* **29**: 201 (*Diamesa*). Type-locality: “Nepal, Khumbu Region, Khumbu Glacier”. — Distr.: **PA**: Tajikistan; **OR**: Nepal.

**kohshimai** SÆTHER & WILLASSEN, 1987: *Entomologica Scandinavica Supplement* **29**: 190 (*Diamesa*). Type-locality: “Nepal, Langtang region, Yala Glacier”. — Distr.: **OR**: Nepal.

**laticauda** SERRA-TOSIO, 1964: *Travaux du Laboratoire d’Hydrobiologie et de Pisciculture de l’Université de Grenoble* **56**: 35 (*Diamesa*). Type-locality: {France} “sous les pierres d’un affluent du torrent des Etançons, près de La Bérarde (Massif de l’Oisans), à l’altitude de 2 023 m”. — Distr.: **PA**: Austria, France, Germany, Italy, Poland, Slovakia, Switzerland.

**latitarsis** (GOETGHEBUER, 1921): *Mémoires du Musée Royal d’Histoire Naturelle de Belgique* **8**: 105 (*Psilodiamesa*). Type-locality: {Belgique} [p. 191] “Hockai (Subalp.)”. — Distr.: **PA**: Algeria, Andorra, Austria, Belgium, Bulgaria, Corsica, Faroe Islands, Finland, France, Georgia, Germany, Great Britain, Greece, Hungary, Iceland, Italy, ?Madeira, ?Morocco, Norway, Poland, Romania, Russia (NET, East Siberia, Far East), Spain, Sweden, Switzerland.

[Note]

- lavillei** SERRA-TOSIO, 1970: *Annales de Limnologie* **5**: 163 (*Diamesa*). Type-locality: “Pyrénées françaises. Vallée de la Neste d’Aure, ruisseau du Lavedan, altitude 1 100-1 300 m”. — Distr.: **PA**: France, Georgia, Spain, Turkey. [Note]
- leona** ROBACK, 1957: *Proceedings of the Academy of Natural Sciences of Philadelphia* **109**: 7 (*Diamesa*). Type-locality: [U.S.A.] “Heber-Midway Bridge, Wasatch County, Utah”. — Distr.: **NE**: Canada (New Brunswick, Québec), U.S.A. (Colorado, Idaho, Michigan, Minnesota, Montana, Nevada, New Mexico, Utah, Washington, Wisconsin); **PA**: China (Jilin), Japan, Mongolia, Russia (East Siberia, Far East).
- caena* ROBACK, 1957: *Proceedings of the Academy of Natural Sciences of Philadelphia* **109**: 9 (*Diamesa*). Type-locality: [U.S.A.] “Heber-Midway Bridge, Wasatch County, Utah”.
- pieta* ROBACK, 1957: *Proceedings of the Academy of Natural Sciences of Philadelphia* **109**: 8 (*Diamesa*). Type-locality: [U.S.A.] “Heber-Midway Bridge, Wasatch County, Utah”.
- breviala* TOKUNAGA, 1964: *Akitu* **11**: 40 (*Diamesa*). Type-locality: {Japan, Honshu} “Senkura-zawa, Tsuchitaru, Minami-Uonuma-Gun, Niigata Pref.”.
- renegata* MAKARCHENKO, 1977: *Zoologicheskii Zhurnal* **56**: 1732 (*Diamesa*). Type-locality: [Russia] {Far East} \*\*Primorskii krai, Ussuriiskii zapovednik, r. Kamenka\*\* [= Primorskii Krai, Ussuriiskii Nature Reserve, River Kamenka].
- mongolica* SERRA-TOSIO, 1983: *Spixiana* **6**: 11 (*Diamesa*). Type-locality: “Mongolie (,Mongolia: Bajan-Ölgij aimak, im Tal des Flusses Chavcalyn gol, 25 km O. von Somon Cagannuur, 1850 m.”.
- lindrothi** GOETGHEBUER in GOETGHEBUER & LINDROTH, 1931: *Zoologiska Bidrag från Uppsala* **13**: 281 (*Diamesa*). Type-localities: {Island} “S.-Isl.: Drangshlíð, am Steilhangoberhalb des Hoffes”; “Þórsmörk, Húsadalur im Birkenwald”; “Fljótshlíð, teils am Þórólfgil”; “teils im Bachcañon bei Barkarstaðir”; “N.-Isl.: Akureyri, im Hause”; “O.-Isl.: Seyðisfjörður”. — Distr.: **NE**: Greenland; **PA**:

Austria, France, Georgia, Iceland, Italy, Norway, Spitzbergen, Sweden, Switzerland.

**loeffleri** REISS, 1968: *Khumbu Himal* **3**: 56 (*Diamesa*; as “*löffleri*”). Type-locality: {Nepal} “Tshola Tso, nördlich Namche-Bazar, ca. 4500 m ü. N. N., Nachtfang am Seeufer”. — Distr.: **PA**: Afghanistan; **OR**: Nepal.

*löffleri*: incorrect original spelling.

**longipes** GOETGHEBUER, 1941: *Bulletin du Musée Royal d’Histoire Naturelle de Belgique* **17** (37): 1 (*Diamesa (Brachydiamesa)*). Type-locality: [Austria] “Tyrol, à 2.400 m. d’alt.”. — Distr.: **PA**: Austria, Italy, Moldova, Switzerland. Senior primary homonym of *Diamesa longipes* Chernovskii, 1949.

**lupus** WILLASSEN, 1986: *Spixiana Supplement* **11**: 127 (*Diamesa*). Type-locality: [U.S.A.] “Alaska: Glacier Bay, Wolf Creek”. — Distr.: **NE**: Canada (Alberta), U.S.A. (Alaska).

**macronyx** (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 103 (*Syndiamesa*). Type-locality: “Italien: Alpen” || ▶ Type-locality: “Italie: Mont Cenis” in Kieffer, 1919: *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 136 ◀ || — Distr.: **PA**: Austria, Corsica, France, Germany, Italy.

*macronyx* KIEFFER, 1919: *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 136 (*Diamesa*). Type-locality: “Italie: Mont Cenis”.

**martae** KOWNACKI & KOWNACKA, 1980: *Acta Hydrobiologica, Krakow* **22**: 314 (*Diamesa*). Type-locality: “Austria, the Ötztaler Alps, the valley of the stream Gurgler below the locality Obergurgl (1940 m a.s.l.)”. — Distr.: **PA**: Austria, Azerbaijan.

**mendotae** MUTTKOWSKI, 1915: *Bulletin of the Wisconsin Natural History Society* **13**: 116 (*Diamesa*). Type-locality: [U.S.A.] “Merrill Springs (Minniwakan Springs) and Merrill Creek, at the western end of Lake Mendota, Madison, Wis.” [= Wisconsin]. — Distr.: **NE**: U.S.A. (Michigan, Minnesota, South Dakota, Wisconsin).

**mexicana** SERRA-TOSIO, 1977: *Bulletin de la Société Entomologique de France* **82**: 100



(*Diamesa*). Type-locality: “Mexique, lac de cratère Nevado de Toluca”. — Distr.: **NE**: Mexico (Mexico State).

**modesta** SERRA-TOSIO, 1968: *Travaux du Laboratoire d'Hydrobiologie et de Pisciculture de l'Université de Grenoble* **57/58**: 82 (*Diamesa*). Type-locality: [France] “La Morte, affluent du torrent de Vaunoire à Le Villard”. — Distr.: **PA**: Austria, Azerbaijan, France, Georgia, Italy, Lebanon, Switzerland. [**Note**]

**nivicavernicola** HANSEN in HANSEN & COOK, 1976: *Memoirs of the American Entomological Society* **30**: 123 (*Diamesa*). Type-locality: [U.S.A.] “Washington, 3 mi E, 6 mi S of Glacier, in cavern in snow field above timberline on Mt. Baker”. — Distr.: **NE**: U.S.A. (Alaska, Washington).

**nivoriunda** (FITCH, 1847): *American Journal of Agriculture and Science* **5**: 282 (*Chironomus*). Type-locality: [U.S.A.] “Eastern New York”. — Distr.: **NE**: Canada (Newfoundland, Ontario, Québec), U.S.A. (Alabama, Florida, Georgia, Indiana, Kentucky, Maryland, Massachusetts, Michigan, Minnesota, Mississippi, Missouri, New York, North Carolina, Ohio, South Carolina, Virginia, Wisconsin).

**nowickiana** KOWNACKI & KOWNACKA, 1975: *Bulletin de la Académie Polonaise des Sciences, Série des Sciences Biologiques* **22**: 845 (*Diamesa*). Type-locality: [Poland] “near the stream flowing out of Zadni Mnichowy Stawek at the altitude of 2070—2000 m (High Tatra Mts.)”. — Distr.: **PA**: Austria, Poland, Switzerland. [**Note**]

**parancysta** SERRA-TOSIO, 1983: *Spixiana* **6**: 15 (*Diamesa*). Type-locality: “Mongolie (,Mongolia: Bajan-Ölgij aimak, im Tal des Flusses Chavcalyn gol, 24 km O von Somon Cagannuur, 1890 m.”. — Distr.: **PA**: Mongolia, Norway, Russia (East Siberia).

*corrupta* MAKARCHENKO, 1988: *Informatsionnyi Byulleten' Biologiya Vnutrennikh Vod, Leningrad* **79**: 54 (*Diamesa*). Type-locality: [Russia, East Siberia] \*\*r. Verkhnyaya Angara, s. Padun\*\* [= upper reaches of the River Angara, village of Padun].

- permacra** (WALKER, 1856): *Insecta Britannica, Diptera* **3**: 183 (*Chironomus*). Type-locality: “(E.)” [= England]. — Distr.: **PA**: Austria, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Luxembourg, Norway, Slovakia, Spain.
- planistyla** REISS, 1968: *Khumbu Himal* **3**: 57 (*Diamesa*). Type-locality: {Nepal} “Tshola Tso, nördlich Namche-Bazar, ca. 4500 m ü. N. N., Nachtfang am Seeufer”. — Distr.: **OR**: ?India (Himachal Pradesh), Nepal.
- ? *rahlus* (KAUL, 1970): *Oriental Insects* **4**: 293 (*Prodiamesa*). Type-locality: {India} “N. W. Himalaya : Rahla, 2692 m”. **Questionable synonym.**
- plumicornis** TOKUNAGA, 1936: *Philippine Journal of Science* **59**: 548 (*Diamesa* (*Diamesa*)). Type-locality: “Japan . . . Mount Hiei, Kyoto” [Lectotype designated in Makarchenko & Yamamoto, 1999: *Japanese Journal of Entomology* **63**: 299, “Kashima, Nagano Pref., Japan”]. — Distr.: **PA**: Japan, Russia (Far East), South Korea.
- praecipua** SÆTHER & WILLASSEN, 1987: *Entomologica Scandinavica Supplement* **29**: 200 (*Diamesa*). Type-locality: “Nepal, Khumbu Region, Khumbu Glacier”. — Distr.: **OR**: Nepal.
- pseudobertrami** MAKARCHENKO & MAKARCHENKO, 2005: *Chteniya Pamyati Vladimira Yakovlevicha Levanidova* **3**: 375 (*Diamesa*). Type-locality: {Russian Far East, South part of Primorye Territory} \*\*Primorskii kr., Khasanskii r-n, r. Narva v raione avtomobil'nogo mosta\*\* [= Primorskii Krai, Khasanskii Region, River Narva in the vicinity of the automobile bridge]. — Distr.: **PA**: Russia (Far East).
- reissi** SERRA-TOSIO, 1977: *Bulletin de la Société Entomologique de France* **82**: 99 (*Diamesa*). Type-locality: “Mexique, lac de cratère de Nevado de Toluca (60 km à l'Ouest de Mexico)”. — Distr.: **NE**: Mexico (Mexico State).
- ruwenzoriensis** FREEMAN, 1955: *Bulletin of the British Museum (Natural History) Entomology* **4**: 62 (*Diamesa* (*Diamesa*)). Type-locality: “Uganda, Ruwenzori Range, Namwamba Valley, 10,200 ft.”. — Distr.: **AF**: Uganda.
- saetheri** WILLASSEN, 1986: *Spixiana Supplement* **11**: 120 (*Diamesa*). Type-locality: {W.

Norway, Hordaland} “Finse, Blåisen”. — Distr.: **PA**: Norway, Russia (Far East), Sweden.

**sakartvella** KOWNACKI & KOWNACKA, 1973: *Bulletin de la Académie Polonaise des Sciences, Série des Sciences Biologiques* **21**: 27 (*Diamesa*). Type-localities: [Georgia] “at the bank of the stream Suatisi (one of the tributaries of the river Terek) at an altitude of 2500—2800 m a.s.l.”; “in the stream Suatisi . . . and Mnaisidon (glacial tributary of the river Terek) . . . at an altitude of 2200 m a.s.l.”. — Distr.: **PA**: Georgia, Lebanon.

**serratosioi** WILLASSEN, 1986: *Spixiana Supplement* **11**: 116 (*Diamesa*). Type-locality: {W. Norway, Hordaland, Eksingedalen} “Ekse, Hoi, Vaksdal, 60°50'N6°15'E”. — Distr.: **PA**: Finland, Norway, Sweden.

*serratosioi* WILLASSEN in SERRA-TOSIO, 1983: *Spixiana* **6**: 13 (*Diamesa*). Locality: “européen”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

**simplex** KIEFFER, 1926: *Norsk Entomologisk Tidsskrift* **2**: 81 (*Diamesa*). Type-locality: [Canada, Nunavut, Ellesmere Island] “Havnen” [= Harbour Fjord]. — Distr.: **NE**: Canada (British Columbia, Northwest Territories, Nunavut, Québec), Greenland, U.S.A. (Alaska, Wyoming).

**solhoyi** WILLASSEN, 2005: *Zootaxa* **1049**: 22 (*Diamesa*). Type-locality: “China: Tibet, Rongbuk, 5000 m a.s.l.”. — Distr.: **PA**: China (Tibet).

**sommermani** HANSEN in HANSEN & COOK, 1976: *Memoirs of the American Entomological Society* **30**: 134 (*Diamesa*). Type-locality: [U.S.A.] “Alaska, . . . Kenai Pen., . . . Primrose-Seward and back”. — Distr.: **NE**: U.S.A. (Alaska); **PA**: Russia (Far East).

**sonorae** WILLASSEN, 1986: *Spixiana Supplement* **11**: 125 (*Diamesa*). Type-locality: [U.S.A.] “Mono Co., Calif., nr Sonora Pass, Elev. 8500' ”. — Distr.: **NE**: U.S.A. (California).

**spinacies** SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 27

(*Diamesa*). Type-locality: [Canada] “large mountain stream, Rowe Creek, above highway to Cameron Lake, Waterton National Park, Alta” [= Alberta]. — Distr.: **NE**: Canada (Alberta), U.S.A. (Alaska, California, Colorado, Idaho, Montana, Utah, Wyoming); **PA**: Finland.

**starmachi** KOWNACKI & KOWNACKA, 1970: *Bulletin de la Académie Polonaise des Sciences, Série des Sciences Biologiques* **18**: 777 (*Diamesa*). Type-locality: [Poland] “Roztoka stream above the Mickiewicz Wodogrzmoty waterfall, 1150 m a.s.l.”. — Distr.: **PA**: Austria, Germany, Italy, Luxembourg, Poland, Slovakia. [Note]

*starmachii*: incorrect original spelling (in title).

**steinboeckii** GOETGHEBUER, 1933: *Bulletin et Annales de la Société Entomologique de Belgique* **73**: 56 (*Diamesa (Brachydiamesa)*); as “*Steinböcki*”). Type-locality: [Austria] “dans les Alpes tyroliennes, . . . près d’un ruisseau provenant d’un glacier, près de Lehnerjoch, à environ 2900 m d’altitude”. — Distr.: **PA**: Austria, France, Germany, Italy, Poland, Romania, Russia (Far East), Slovakia, Spain, Sweden, Switzerland, Turkey; **OR**: ?Pakistan (Hindukush).

*Steinböcki*: incorrect original spelling.

**stenonyx** SERRA-TOSIO, 1983: *Spixiana* **6**: 18 (*Diamesa*). Type-locality: “Népal . . . Basislager Yarral bei Pangpoche, ca. 4000 m Höch”. — Distr.: **OR**: Nepal.

**subletti** MAKARCHENKO, 1986: *Aquatic Insects* **8**: 155 (*Diamesa*). Type-locality: “Laggan, Popes Peak, Alberta, Canada”. — Distr.: **NE**: Canada (Alberta).

**sunabacedea** (TANAKA & SASA, 2001): *Tropical Medicine* **43**: 45 (*Pseudodiamesa*). Type-locality: [Introduction, p. 39] “Japan . . . Kurobe River”. — Distr.: **PA**: Japan.

**tenuescens** SERRA-TOSIO, 1983: *Spixiana* **6**: 19 (*Diamesa*). Type-locality: “Inde, province de Jammu-Kashmir (,Gangabhal-See, 3580 m, Kashmir”. — Distr.: **OR**: India (Jammu and Kashmir).

**tenuipes** GOETGHEBUER, 1938: *Bulletin et Annales de la Société Entomologique de Belgique* **78**: 462 (*Diamesa (Psilodiamesa)*). Type-locality: [Austria] “Tyrol”.

— Distr.: **PA**: Austria.

**thomasi** SERRA-TOSIO, 1970: *Travaux du Laboratoire d'Hydrobiologie et de Pisciculture de l'Université de Grenoble* **61**: 127 (*Diamesa*). Type-localities: {France} “Vallée d'Aure (département des Hautes-Pyrénées) : la Neste de Couplan aux sources d'Artigusse. Altitude : 1 590 m.”; “Vallée d'Aure (département des Hautes-Pyrénées) : affluent rive droit du ruisseau d'Estaragne, au-dessus du chemin de la Prade des Alhets. Altitude ; 1 940 m environ.”; “L'Ariège (département de l'Ariège) à sa source. Altitude : 2. 300 m environ.”. — Distr.: **PA**: Andorra, France, Germany, Poland, Russia (SET).

**tokunagai** MAKARCHENKO & YAMAMOTO, 1995: *Japanese Journal of Entomology* **63**: 298 (*Diamesa*). Type-locality: “Futatsuya, Hida-kawai Gifu Pref., Honshu, Japan”. — Distr.: **PA**: Japan.

**tonsa** (HALIDAY in WALKER, 1856): *Insecta Britannica, Diptera* **3**: 195 (*Chironomus*). Type-localities: “on Mourne Mountains, county Down, and another at Fir House, near Dublin (I.)” [I. = Ireland]. — Distr.: **PA**: Austria, Bulgaria, Corsica, Crete, ?Croatia, Czech Republic, Denmark, Faroe Islands, Finland, France, Germany, Great Britain, Greece, Ireland, Italy, Lebanon, ?Madeira, Morocco, Norway, Poland, Romania, Russia (NET, SET), Slovakia, Spain, Sweden, Switzerland, Turkey, ?Ukraine. [**Note**]

*pergens* (WALKER, 1856): *Insecta Britannica, Diptera* **3**: 187 (*Chironomus*). Type-locality: “(E.)” [= England].

*pertracta* (WALKER, 1856): *Insecta Britannica, Diptera* **3**: 188 (*Chironomus*). Type-locality: “(E.)” [= England].

*fissipes* KIEFFER, 1909: *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 41 (*Diamesa*). Type-locality: {Allemagne} [= Germany] “Larves sur les pierres des ruisseaux. Westphalie”.

*thienemanni* KIEFFER, 1909: *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 40 (*Diamesa*; as “*Thienemanni*”). Type-locality: {Allemagne} [= Germany] “Larves dans l'eau courante. Sauerland”.

*camptoneura* KIEFFER, 1915: *Zoologische Jahrbücher, Abteilung Systematik, Ökologie und Geographie der Tiere* **39**: 109 (*Diamesa*). Type-localities: {Faroës} “Midvaag, Kirchhof, und Wasserfall bei Frodebö”.

*semireducta* SÆTHER, 1968: *Archiv für Hydrobiologie* **64**: 457 (*Diamesa*). Type-localities: {Finse Area, Norway} “Sta. A”; “Sta. C”.

? *culicoides* HEEGER, 1853: *Sitzungsberichte der Akademie der Wissenschaften in Wien, Mathematisch-naturwissenschaftliche* **10**: 10 (*Diamesa*). Type-locality: “Öesterreich” [= Austria]. **Questionable synonym.**

? *transversalis* KIFFER 1919: *Annales Historico-Naturalis Musei Nationalis Hungarici* **17**: 135 (*Diamesa*; as var. of *fissipes* Kieffer, 1909). Type-localities: [Ukraine] “Hongrie: Tisza-Borkút” [Tisza-Borkút = Kvasy, in Ukraine]; “Croatie; Fužine”. **Questionable synonym.**

**tskhomelidzei** KOWNACKI & KOWNACKA, 1973: *Bulletin de la Académie Polonaise des Sciences, Série des Sciences Biologiques* **21**: 135 (*Diamesa*). Type-localities: [Georgia] “stream Chkheri, altitude 3000 m a.s.l.”; “the river, Terek, altitude 1800 m a.s.l.”; “the Terek 2000 m a.s.l.”; “the stream Suatisi (tributary of river Terek), 2800 m a.s.l.”. — Distr.: **PA**: Georgia.

**tsutsuii** TOKUNAGA, 1936: *Philippine Journal of Science* **59**: 546 (*Diamesa (Diamesa)*). Type-locality: “Mountainous regions; Japan . . . Hosono (about 600 meters in altitude), Nagano Prefecture”. — Distr.: **PA**: China (Jilin, Liaoning), Japan, Russia (East Siberia, Far East).

*tsutsui*: incorrect subsequent spelling.

*matuimpedita* SASA, 1989: *Research Report from the National Institute for Environmental Studies* **125**: 149 (*Diamesa*). Type-locality: {Japan} “River Matsukawa, Azumicho, Toyama”.

**vallanti** SERRA-TOSIO, 1972: *Travaux Scientifiques du Parc National de la Vanoise* **2**: 10 (*Diamesa*). Type-locality: “massif du Vercors (Alpes françaises), E. S. E. de Villard-de-Lans (département de l’Isère), pentes du Mont Cornafion près de la bergerie de Roybon, altitude 1 475 m”. — Distr.: **PA**: Austria, France,

Germany, Italy, Morocco, Poland, Russia (SET), Slovakia, Spain, Switzerland, Turkey.

*alpina* (GOETGEHEBUER, 1941): *Bulletin du Musée Royal d'Histoire Naturelle de Belgique* **17**(37): 2 (*Syndiamesa*). Type-locality: [Austria] “Tyrol : Oetztaler Alpen, . . . à 2.423 m. d’alt.” [Lectotype designated in Willassen, 1987: *Entomologica Scandinavica* **18**: 94, “AUSTRIA: Ötzthaler-Alpen”]. Junior secondary homonym of *Diamesa alpina* Tokunaga, 1936.

**valentinae** MAKARCHENKO, 1990: *Informatsionnyi Byulleten' Biologiya Vnutrennikh Vod, Leningrad* **89**: 44 (*Diamesa*). Type-locality: [Russia, Krasnodar Krai] \*\*Kavkaz, okrestnosti turbazy Terskol, r. Azau, bassin r. Baksan, okolo 2000 m nad ur. m.\*\* [= Caucasus, Terskol tourist station, River Azau, basin of the River Baksan, altitude 2000 metres above sea-level]. — Distr.: **PA**: Russia (SET).

**valkanovi** SÆTHER, 1968: *Archiv für Hydrobiologie* **64**: 431 (*Diamesa*). Type-locality: [Title, p. 426] “Finse Area, Norway . . . glacial brook”. — Distr.: **PA**: Italy, Norway, Romania.

**veletensis** SERRA-TOSIO, 1971: *Travaux du Laboratoire d'Hydrobiologie et de Pisciculture de l'Université de Grenoble* **62**: 147 (*Diamesa*). Type-localities: {Spain} “Sierra Nevada, pentes nord du Mont Veleta, alt. 2 200-2 500 m”; “Sierra Nevada, pentes nord du Mont Veleta (Albergue Universitario), alt. 2 500 m”. — Distr.: **PA**: China (Qinghai), France, Mongolia, Morocco, Portugal, Spain, Switzerland.

**vernalis** MAKARCHENKO, 1977: *Trudy Biologo-Pochvennogo Instituta Dal'nevostochnogo Nauchnogo Tsentra Akademii Nauk SSSR (Novaia Seria)* **45**: 109 (*Diamesa*). Type-locality: [Russia] {U.S.S.R., Far East} \*\*Primorskii kr., Khasanskii r-n, zapovednik «Kedrovaya pad'», r. Kedrovaya\*\* [= Primorskii Krai, Khasanskii Region, «Kedrovaya Pad'» Nature Reserve, River Kedrovaya]. — Distr.: **PA**: China (Liaoning), Japan, Russia (Far East).

*tsukuba* SASA, 1979: *Research Report from the National Institute for Environmental*

*Studies* 7: 46 (*Diamesa*). Type-locality: {Japan} “Mount Tsukuba”.

**virendri** (SINGH, 1958): *Proceedings of the National Academy of Sciences of India* (B) 28: 312 (*Orthocladus* (*Pseudorthocladus*)). Type-locality: {India} “Chhatru, 2700 metres”. — Distr.: **OR**: India (Himachal Pradesh).

**vockerothi** HANSEN in HANSEN & COOK, 1976: *Memoirs of the American Entomological Society* 30: 139 (*Diamesa*). Type-locality: [Canada] “Ontario, . . . Ottawa”. — Distr.: **NE**: Canada (Ontario, Québec).

**wuelkeri** SERRA-TOSIO, 1964: *Travaux du Laboratoire d'Hydrobiologie et de Pisciculture de l'Université de Grenoble* 56: 36 (*Diamesa*). Type-locality: {France} “sous les pierres d'un affluent du torrent des Etançons, près de La Bérarde (Massif de l'Oisans), à l'altitude de 2 023 m”. — Distr.: **PA**: France, Germany, Italy, Norway, Switzerland.

**yalavia** SÆTHER & WILLASSEN, 1987: *Entomologica Scandinavica Supplement* 29: 194 (*Diamesa*). Type-locality: “Nepal, Langtang region, Yala Glacier”. — Distr.: **OR**: Nepal.

**zelentzovi** MAKARCHENKO, 1989: *Zoologicheskii Zhurnal* 68(12): 140 (*Diamesa*). Type-locality: [Tajikistan] \*\*Tadzhikskaya SSR. Gorno-Badakhshanskaya avtonomnaya obl., Vostochnyi Pamir, raion oz. Yashil'kul', r. Izuk (okolo 3800 m nad ur. m.)\*\* [= Tadzhikskaya SSR. Gorno-Badakhshanskaya Autonomous Oblast, Eastern Pamir, region of Lake Yashil'kul', River Izuk (altitude 3800 metres above sea-level)]. — Distr.: **PA**: Tajikistan.

**zernyi** EDWARDS, 1933: *Annals and Magazine of Natural History* (10) 12: 617 (*Diamesa*). Type-locality: “Hainfeld, Lower Austria”. — Distr.: **PA**: Albania, Austria, France, Germany, Hungary, Iceland, Italy, Luxembourg, ?Morocco, Russia (Far East), Spain, Switzerland.

? *hercyniae* KIEFFER, 1926: *Entomologische Mitteilungen* 15: 103 (*Diamesa*). Type-locality: [Germany] “Harz”. **Questionable synonymy.**

**zhiltzovae** MAKARCHENKO, 1989: *Vestnik Zoologii* 2: 82 (*Diamesa*). Type-locality: [Tajikistan] \*\*Tadzhikskaya SSR, otrogi Gissarskogo khrebta, zapovednik



Romit, r. Sardai-Miena, 1200-1300 m.\*\* [= Tadzhijskaya SSR, Gissarskogo Mountain Range, Romit Nature Reserve, River Sardai-Miena, 1200-1300 metres]. — Distr.: **PA**: Tajikistan.

sp. 1: BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 366 (*Diamesa*). Locality: “Cordillera Real in the Bolivian Andes at 4000 m”. — Distr.: **NT**: Bolivia.

sp. 2: BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 366 (*Diamesa*). Localities: [Chile] “Valdivian Andes and the Magellanic Territory (Cerro Payne)”. — Distr.: **NT**: Chile.

Genus **HARRISONINA** FREEMAN

**HARRISONINA** FREEMAN, 1956: *Bulletin of the British Museum (Natural History)* Entomology **4**: 318. Type-species: *Harrisonina petricola* Freeman, 1956, by original designation.

**petricola** FREEMAN, 1956: *Bulletin of the British Museum (Natural History)* Entomology **4**: 319 (*Harrisonina*). Type-locality: [South Africa] “Transvaal: Olifants River Valley”. — Distr.: **AF**: South Africa, Zimbabwe.

Genus **HEPTAGYIA** PHILIPPI

**HEPTAGYIA** PHILIPPI, 1866: *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **15**: 635. Type-species: *Heptagyia annulipes* Philippi, 1866, by monotypy. [**Note**]

*HEPTAGIA*: incorrect subsequent spelling.

**annulipes** PHILIPPI, 1866: *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **15**: 635 (*Heptagyia*). Type-locality: {Chile} “In centro urbis Santiago” [Neotype designation in Brundin, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 396, “Villarrica, Prov. Cautín, South Chile”]. — Distr.: **NT**: ?Argentina, Chile. [**Note**]

*lacteocinctus* (PHILIPPI, 1866): *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **15**: 600 (*Chironomus*; as “*lacteo-cinctus*“). Type-locality: {Chile} “Prope Santiago”.  
[Note]

Genus **KALUGINIA** MAKARCHENKO

**KALUGINIA** MAKARCHENKO, 1987: *Zoologicheskii Zhurnal* **66**: 784. Type-species: *Kaluginia lebetiformis* Makarchenko, 1987, by original designation.

**lebetiformis** MAKARCHENKO, 1987: *Zoologicheskii Zhurnal* **66**: 786 (*Kaluginia*). Type-locality: [Russia, Far East] \*\*o-v Sakhalin. Dolinskii r-n, okrestnosti pos. Sokol, r. Belaya\*\* [= Sakhalin Island. Dolinskii Region, vicinity of Sokol settlement, River Belaya]. — Distr.: **PA**: Russia (Far East).

Genus **LAPPODIAMESA** SERRA-TOSIO

**LAPPODIAMESA** SERRA-TOSIO, 1969: *Travaux du Laboratoire d'Hydrobiologie et de Pisciculture de l'Université de Grenoble* **59/60**: 140. Type-species: *Lappodiamesa brundini* Serra-Tosio, 1969, by original designation. [Note]

**boltoni** SÆTHER & WILLASSEN, 1988: *Spixiana Supplement* **14**: 78 (*Lappodiamesa*). Type-locality: “U.S.A., Oh., Franklin Co. Sharon Woods Pk” [Oh. = Ohio]. — Distr.: **NE**: U.S.A. (Michigan, Ohio).

**multiseta** MAKARCHENKO, 1995: *Aquatic Insects* **17**: 84 (*Lappodiamesa*). Type-locality: “Kommissarovka R., Pogranichnyi region Primorye Territory, Russian Far East”. — Distr.: **PA**: China (Liaoning), Russia (Far East).

**vidua** (KIEFFER, 1922): *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 23 (*Syndiamesa*). Type-localities: [Russia] {Nouvelle-Zemble} “Presque’île Pankratyeff”; “Mashigin Fjord”. — Distr.: **PA**: China (Liaoning), Novaya Zemlya, Russia (NET, Far East), Sweden.

*brundini* SERRA-TOSIO, 1969: *Travaux du Laboratoire d'Hydrobiologie et de Pisciculture de l'Université de Grenoble* **59/60**: 141 (*Lappodiamesa*). Type-

locality: “Nord de la Laponie suédoise : Riksgränsen, petit cours d'eau sur les pentes du mont Norddal”. [Note]

**willasseni** MAKARCHENKO & KERKIS, 1991: *Zoologica Scripta* **20**: 414 (*Lappodiamesa*). Type-locality: [Russia] “Soviet Far East, Primorye, Khasan Region, Narva River”. — Distr.: **PA**: Russia (Far East).

Genus **LIMAYA** BRUNDIN

**LIMAYA** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 404.

Type-species: *Limaya longitarsis* Brundin, 1966, by original designation.

**longitarsis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 405 (*Limaya*). Type-locality: “Rio Limay, at Lipela Grande, Prov. Rio Negro, ARGENTINA”. — Distr.: **NT**: Argentina, Chile.

sp. “Junin”: BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 408 (*Limaya*). Localities: “PERU: . . . a torrent running into Rio Mantaro, 4000 m, Junín area”; “a tributary to Rio Chanchamayo above San Ramon, 1700 m”. — Distr.: **NT**: Peru.

Genus **LINEVITSHIA** MAKARCHENKO

**LINEVITSHIA** MAKARCHENKO, 1987: *Entomologica Scandinavica Supplement* **29**: 205.

Type-species: *Linevitshia prima* Makarchenko, 1987, by original designation.

**prima** MAKARCHENKO, 1987: *Entomologica Scandinavica Supplement* **29**: 207 (*Linevitshia*). Type-locality: [Russia] “U.S.S.R., Primorye, Partisansk River, the upper stream”. — Distr.: **PA**: China (Liaoning), Russia (Far East).

**yezoensis** ENDO in ENDO, MAKARCHENKO & WILLASSEN, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 93 (*Linevitshia*). Type-locality: “JAPAN: Hokkaido, Obihiro, Taisho, Nuppuku River”. — Distr.: **PA**: Japan.

Genus **LOBODIAMESA** PAGAST

**LOBODIAMESA** PAGAST, 1947: *Archiv für Hydrobiologie* **41**: 446. Type species:

*Lobodiamesa campbelli* Pagast, 1947, by original designation.

**campbelli** PAGAST, 1947: *Archiv für Hydrobiologie* **41**: 446 (*Lobodiamesa*). Type-locality: “New Zealand, Blackball”. — Distr.: **AU**: New Zealand (North Island, South Island).

Genus **MAORIDIAMESA** PAGAST

**MAORIDIAMESA** PAGAST, 1947: *Archiv für Hydrobiologie* **41**: 448. Type species: *Maoridiamesa harrisi* Pagast, 1947, by original designation.

**glacialis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 414 (*Maoridiamesa*). Type-locality: “Fox River below the Fox Glacier, Westland, NEW ZEALAND”. — Distr.: **AU**: New Zealand (South Island).

**harrisi** PAGAST, 1947: *Archiv für Hydrobiologie* **41**: 448 (*Maoridiamesa*). Type-locality: “New Zealand, Ohakune”. — Distr.: **AU**: New Zealand (North Island, South Island).

**insularis** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 414 (*Maoridiamesa*). Type-locality: “Tucker Cove, CAMPBELL ISLAND, 52°33'S. Lat., about 640 km S of South Island, New Zealand”. — Distr.: **AU**: New Zealand (Campbell Island).

**intermedia** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 411 (*Maoridiamesa*). Type-locality: “an alpine torrent, Upper Whakapapanui Stream, on the slopes of Mt. Ruapehu, about 4300 ft., Tongariro Nat. Park, Wellington, NEW ZEALAND”. — Distr.: **AU**: New Zealand (North Island, South Island).

**stouti** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 412 (*Maoridiamesa*). Type-locality: “Waikukupa River, Westland, NEW ZEALAND”. — Distr.: **AU**: New Zealand (North Island, South Island).

Genus **MAPUCHEPTAGYIA** WILLASSEN

**MAPUCHEPTAGYIA** WILLASSEN, 1995: *Chironomids: from genes to ecosystems*: 438.

Type-species: *Mapucheptagyia brundini* Willassen, 1995, by original designation.

**brundini** WILLASSEN, 1995: *Chironomids: from genes to ecosystems*: 438 (*Mapucheptagyia*). Type-locality: “South Chile, Llanquihue, Peulla, Rio Canteras”. — Distr.: **NT**: Chile.

Genus **PAGASTIA** OLIVER

**PAGASTIA** OLIVER, 1959: *Entomologisk Tidskrift* **80**: 49. Type-species: *Pagastia orthogonia* Oliver, 1959, by original designation.

**HESPERODIAMESA** SUBLETTE, 1967: see below as subgenus.

**PAGASTIA** OLIVER, 1959: see below as subgenus.

Subgenus **HESPERODIAMESA** SUBLETTE

**HESPERODIAMESA** SUBLETTE, 1967: *Journal of the Kansas Entomological Society* **40**: 305 (as genus). Type-species: *Prodiamesa sequax* Garrett, 1925, by original designation.

**sequax** (GARRETT, 1925): *Seventy New Diptera*: 7 (*Prodiamesa*). Type-locality: [Canada] “Cranbrook, B.C.” [= British Columbia] [Lectotype designated in Sublette, 1967: *Journal of the Kansas Entomological Society* **40**: 306, “Cranbrook, B.C.”]. — Distr.: **NE**: Canada (Alberta, British Columbia).

Subgenus **PAGASTIA** OLIVER

**altaica** MAKARCHENKO, KERKIS & IVANCHENKO, 1997: *Far-Eastern Entomologist* **43**: 3 (*Pagastia*). Type-locality: “Katun' River, about 3-5 km from Chemal Vill, Altai Mnts., Russia” [Vill = Village]. — Distr.: **PA**: Russia (West Siberia).

**hidakamontana** ENDO, 2004: *Entomological Science* **7**: 278 (*Pagastia*). Type-locality: “JAPAN: Hokkaido, Kita-cirque (alt. 1650m), Mt. Poroshiri in Hidaka Mountains, Biratori-cho”. — Distr.: **PA**: Japan.

**lanceolata** (TOKUNAGA, 1936): *Philippine Journal of Science* **59**: 530 (*Syndiamesa* (*Syndiamesa*)). Type-locality: {Japan} “in the botanical garden of Kyoto

Imperial University, Kitashirakawa, Kyoto”. — Distr.: **PA**: China (Anhui, Liaoning), Japan, Russia (East Siberia, Far East).

*crassipilosa* (TOKUNAGA, 1937): *Philippine Journal of Science* **62**: 57 (*Syndiamesa* (*Lasiodiamesa*)). Type-locality: “Honshu, Japan . . . Kibune, Kyoto”.

*angarensis* (LINEVICH, 1953): *Trudy Irkutskogo Gosudarstvennogo Universiteta* **7**: 162 (*Syndiamesa*). Type-locality: [Russia, East Siberia] \*\*r. Angary, to est' ot vpadeniya r. Irkuta do vpadeniya r. Oki\*\* [= River Angara, namely from the mouth of the River Irkut to the mouth of the River Oki].

*oliveri* (MAKARCHENKO, 1989): *Acta Biologica Debrecina, Supplementum Oecologica Hungarica* **2**: 270 (*Pseudodiamesa* (*Pagastia*)). Type-locality: [Russia] “U.S.S.R., Soviet Far East, Primorye Territory, the Sichote-Alyn reservation, Jasnaja River”.

**nivis** (TOKUNAGA, 1936): *Philippine Journal of Science* **59**: 535 (*Syndiamesa* (*Lasiodiamesa*)). Type-locality: “Japanese Alps, Japan . . . Haruizawa, Nigata Prefecture”. — Distr.: **PA**: Japan, Russia (Far East).

*insularis* (MAKARCHENKO, 1989): *Acta Biologica Debrecina, Supplementum Oecologica Hungarica* **2**: 268 (*Pseudodiamesa* (*Pagastia*)); as subspecies of *orientalis* Chernovskii, 1949). Type-locality: [Russia, Far East] “Sakhalin and Kurile Islands”.

**orientalis** (CHERNOVSKII, 1949): *Opredeliteli po Faune SSSR* **31**: 100 (*Syndiamesa*). Type-localities: [Russia] “v kholodnykh ruch'yakh i rekakh Sibiri, na Dal'nem Vostoke i na Kamchatke”\*\*\* [= in cold streams and rivers in Siberia, in the Far East and in Kamchatka]. — Distr.: **PA**: China (Anhui, Heilonging, Jilin, Liaoning, Ningxia), Russia (East Siberia, Far East, West Siberia), South Korea; **OR**: China (Fujian). [Note]

*bathyphila* (LIPINA, 1949): *Trudy Zoologicheskogo Instituta, Leningrad* **7**: 197 (*Syndiamesa*). Type-localities: [Russia, West Siberia] \*\*V ozere lichinki otmecheny u Yailyu, na m. Kuporosnom, u Yan-Chili i Kokshi\*\* [= larvae in shallow lakes of Yailyu, located at. Kuporosnom, of Yan-Chili and Kokshi];

\*\*v r. Bii, a takzhe v r. Egach, Korby, Yan-Chili, Kokshi i v ruch'e Oirok\*\* [= in the River Bii, and also in the Rivers Egach, Korby, Yan-Chili, Kokshi and in the Oirok stream]. [Note]

**orthogonia** OLIVER, 1959: *Entomologisk Tidskrift* **80**: 51 (*Pagastia*). Type-locality: [U.S.A.] "Cold Bay, Alaska". — Distr.: **NE**: U.S.A. (Alaska, Georgia, Michigan, North Carolina, North Dakota, Ohio, Tennessee); **PA**: Japan, Russia (Far East).

**partica** (ROBACK, 1957): *Proceedings of the Academy of Natural Sciences of Philadelphia* **109**: 4 (*Syndiamesa*). Type-locality: [U.S.A.] "Heber-Midway Bridge, Wasatch County, Utah". — Distr.: **NE**: Canada (Yukon Territory), U.S.A. (Alaska, Colorado, North Dakota, Utah, Washington, Wyoming).

*artisia* (ROBACK, 1957): *Proceedings of the Academy of Natural Sciences of Philadelphia* **109**: 5 (*Syndiamesa*). Type-locality: [U.S.A.] "Heber-Midway Bridge, Wasatch County, Utah".

sp. 1: ROBACK & COFFMAN, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**: 103 (*Pagastia*). Locality: {Nepal} "NP 23" [= Tributary of Kali Gandaki, Ghasa, . . . alt. 2135 m.]. — Distr.: **OR**: Nepal.

sp. 2: ROBACK & COFFMAN, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**: 103 (*Pagastia*). Locality: {Nepal} "NP15" [error = NP150] [= Tributary of Marsyandi, below Chame, . . . alt. 2470 m.]. — Distr.: **OR**: Nepal.

#### Genus **PARAHEPTAGYIA** BRUNDIN

**PARAHEPTAGYIA** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 379. Type species: *Heptagyia cinerascens* Edwards, 1931, by original designation.

**andina** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 386 (*Paraheptagyia*). Type-locality: "a torrent in the massif of Nevado Huayna Potosí, 4000 m, Cordillera Real, BOLIVIA". — Distr.: **NT**: Bolivia.

- cinerascens** (EDWARDS, 1931): *Diptera of Patagonia and South Chile* 2(5): 266 (*Heptagyia*). Type-locality: [Argentina] “L. Nahuel Huapi, eastern end”. — Distr.: **NT**: Argentina, Bolivia, Chile, Ecuador, Peru.
- nitescens** (EDWARDS, 1931): *Diptera of Patagonia and South Chile* 2(5): 267 (*Heptagyia*). Type-locality: [Argentina] “L. Nahuel Huapi, eastern end”. — Distr.: **NT**: Argentina, Chile.
- semiplumata** (EDWARDS, 1931): *Diptera of Patagonia and South Chile* 2(5): 267 (*Heptagyia*). Type-locality: [Argentina] “Bariloche”. — Distr.: **NT**: Argentina, Chile.
- tasmaniae** (FREEMAN, 1961): *Australian Journal of Zoology* 9: 635 (*Heptagyia*). Type-locality: {Australia} “Cradle Valley, Tas.” [= Tasmania]. — Distr.: **AU**: Australia (Tasmania).
- tonnoiri** (FREEMAN, 1961): *Australian Journal of Zoology* 9: 636 (*Heptagyia*). Type-locality: {Australia} “Canberra”. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales).
- umbraculata** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* 11: 390 (*Paraheptagyia*). Type-locality: “a streamlet above the forest limit, 1500 m, Cerro Rigi, Peulla area, Prov. Llanquihue, SOUTH CHILE”. — Distr.: **NT**: Chile.
- sp.: RUIZ-MORENO, OSPINA-TORRES, GÓMEZ-SIERRA & RISS, 2000: *Caldasia* 22 (1): 59 (*Paraheptagyia*). Locality: {Colombia} “en las aguas corrientes de la sabana de Bogotá y sus montañas circundantes” [= in streams of the Sabana de Bogotá and surrounding mountains]. — Distr.: **NT**: Colombia.

Genus **POTTHASTIA** KIEFFER

**POTTHASTIA** KIEFFER, 1922: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* 41: 362. Type-species: *Potthastia longimanus* Kieffer, 1922, by original designation. [**Note**]

**gaedii** (MEIGEN, 1838): *Systematische Beschreibung* 7: 13 (*Diamesa*; as “*Gaedii*”). Type-



locality: [Belgium] “Aus der Lütticher Gegend” [Lütticher = Liège]. — Distr.: **NE**: U.S.A. (?Georgia, Michigan, North Carolina, Tennessee); **PA**: Austria, Belgium, Bulgaria, China (Liaoning, Shannxi, Tianjin), Corsica, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Ireland, Italy, Japan, Latvia, Lebanon, Lithuania, Luxembourg, Macedonia, Moldova, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, East Siberia, Far East), Slovakia, Spain, Sweden, Turkey.

*lacteipennis* (ZETTERSTEDT, 1838): *Insecta Lapponica* [Heft 3]: 817 (*Tanypus*).  
Type-locality: [Sweden] “in Lapponia Tornensi”.

*ammon* (HALIDAY in WALKER, 1856): *Insecta Britannica, Diptera* **3**: 194 (*Chironomus*). Type-localities: Ireland, “on sand hills in county Down; also in Cork, and in Dublin. (I.)” [I. = Ireland].

*typhon* (HALIDAY in WALKER, 1856): *Insecta Britannica, Diptera* **3**: 195 (*Chironomus*). Type-locality: Ireland, “at Blarney, near Cork . . . (I.)” [I. = Ireland].

*inscendens* (WALKER, 1856): *Insecta Britannica, Diptera* **3**: 179 (*Chironomus*).  
Type-locality: “(E.)” [= England].

*galactoptera* (NOWICKI, 1873): *Beiträge zur Kenntniss der Dipterenfauna Galiziens, Krakau 1873*: 6 (*Diamesa*). Type-locality: [Poland] “Tatra”.

*gotica* (BRUNDIN, 1947): *Arkiv för Zoologi* **39A**: 47 (*Diamesa (Psilodiamesa)*).  
Type-locality: {Sweden} “Sm. See Innaren . . . auf Björkholmen”.

*jintudecima* (SASA, 1990): *Research Report from Toyama Prefectural Environmental Pollution Research Center 1990*: 50 (*Syndiamesa*). Type-locality: {Japan, Toyama, Jintsu River} “St. 5” [= Monjuji-hashi, Kumano River].

*togabicolis* SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center 1992*: 206 (*Potthastia*). Type-locality: [Japan] “Momose River”.

**longimanus** KIEFFER, 1922: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **41**: 362 (*Potthastia*). Type-locality: [Germany] “Lac

Dicksee, Sleswig-Holstein". — Distr.: **NE**: Canada (Ontario, Québec, Saskatchewan), U.S.A. (Georgia, Michigan, New York, North Carolina, Ohio, South Carolina, Tennessee); **PA**: Austria, Belarus, Belgium, Bulgaria, China (Liaoning, Tianjin), Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Ireland, Italy, Japan, Kalininograd, Lebanon, Lithuania, Luxembourg, Mongolia, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, East Siberia, Far East, West Siberia), Slovakia, Spain, Sweden, Switzerland; **OR**: China (Fujian). [**Note**]

*campestris* (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 307 (*Diamesa*). Type-localities: [Great Britain] "Staines, Middlesex"; "Ilkley, Yorks." [= Yorkshire]; "Dreghorn, Arran"; "Cambridge".

*matunigra* (SASA & KAWAI, 1987): *Bulletin of the Toyama Science Museum* **10**: 68 (*Psilodiamesa*). Type-locality: {Japan, Stream Itachigawa, Toyama} "on the shore of the Matsukawa".

*toyamaflexa* (SASA, 1989): *Research Report from the National Institute for Environmental Studies* **125**: 150 (*Diamesa*). Type-locality: {Japan} "irrigation ditch at the side of Kumano River, Toyama-shi".

**montium** (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 307 (*Diamesa*). Type-localities: [Great Britain] "Arran and Ingleborough". — Distr.: **NE**: U.S.A. (?Georgia, Idaho, Michigan, ?North Carolina, Wyoming); **PA**: Austria, Corsica, France, Germany, Great Britain, Ireland, Japan, Russia (Far East), Spain, Turkey.

*iberica* SERRA-TOSIO, 1971: *Travaux du Laboratoire d'Hydrobiologie et de Pisciculture de l'Université de Grenoble* **62**: 160 (*Potthastia*). Type-locality: "Espagne : Est de Grenade (Pinos Genil), altitude 750 m".

*oiraoctava* (SASA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 77 (*Syndiamesa*). Type-locality: [page 76] {Japan} "Yakeyama Hotspring Town along Oirase River".

**pastoris** (EDWARDS, 1933): *Scottish Naturalist* **201**: 88 (*Diamesa*). Type-localities: [Great

Britain] {Pertshire, Scottish Highlands} “Glen Lyon . . . at foot of Ben Chalum”; “near Cashlie”. — Distr.: **PA**: Finland, France, Great Britain.

sp.: BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 366 (*Potthastia*). Localities: [India] “the Darjeeling area”; [Myanmar] “northern Burma”. — Distr.: **OR**: Myanmar, India (West Bengal).

### Nomina dubia in POTTHASTIA

*alternis* ŞAHİN, 1987: *Türk Zooloji Dergisi* **11**: 184 (*Potthastia*). Type-locality: {Turkey} “Deliçay (Van Gölü, 39°08'N, 43°32'D, 2600 m)” [= Deliçay Brook (Van Lake, 39°08'North, 43°2'East, 2600 metres)]. [**Note**]

### Genus PROTANYPUS KIEFFER

**PROTANYPUS** KIEFFER, 1906: *Annales de la Société Scientifique de Bruxelles, 2<sup>e</sup> partie (Mémoires)* **30**: 318. Type-species: *Tanypus morio* Zetterstedt, 1838, by subsequent designation of Edwards (1924: *Annales de Biologie Lacustre* **13**: 119).

*DIDIAMESA* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **44**: 80. Type-species: *Syndiamesa miriforceps* Kieffer, 1923 [= *Tanypus morio* Zetterstedt, 1838], by original designation. Synonymized with *Protanypus* Kieffer, 1906, by Edwards (1929: *Transactions of the Entomological Society of London* **77**: 303).

**caudatus** EDWARDS, 1924: *Annales de Biologie Lacustre* **13**: 122 (*Protanypus*). Type-locality: “near te Tyinholmen Hotel, Lake Tyin, Norway” [te = the]. — Distr.: **NE**: Canada (Nunavut); **PA**: Austria, Finland, France, Germany, Italy, Norway, Russia (Far East), Sweden.

**forcipatus** (EGGER, 1864): *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **13**: 1110 (*Tanypus*). Type-locality: “Vaterland: Oesterreich . . . Gmunden”. — Distr.: **PA**: Austria, Germany, Switzerland.

**gracilis** MAKARCHENKO, 1982: *Biologiya presnovodnykh zivotnykh Dal'nego Vostoka,*

*Vladivostok*: 137 (*Protanypus*). Type-locality: [Russia] {SSSR, Far East} \*\*Chukotskii poluostrov (yugo-zapadnaya chast'), oz. Seutakan v srednem techenii r. Seutakan\*\* [= Chukotskii Peninsula (southwestern part), Lake Seutakan in the middle course of the River Seutakan]. — Distr.: **PA**: Russia (Far East).

**hamiltoni** SÆTHER, 1975: *Journal of the Fisheries Research Board of Canada* **32**: 375 (*Protanypus*). Type-locality: [Canada] “Babine Lake, B.C.” [= British Columbia]. — Distr.: **NE**: Canada (British Columbia, Northwest Territories).

**inateuus** SASA, KITAMI & SUZUKI, 2001: *Memoirs of the Museum of Dr. Hideyo Noguchi*: 22 (*Protanypus*). Type-locality: [page 2, Abstract] “Lake Inawashiro . . . situated in a northern region of Japan”. — Distr.: **PA**: Japan.

**morio** (ZETTERSTEDT, 1838): *Insecta Lapponica* [Heft 3]: 817 (*Tanypus*). Type-locality: [Sweden] “in Lapponia Umensi ad Lycksele”. — Distr.: **PA**: Estonia, Finland, Germany, Great Britain, Ireland, Italy, Mongolia, Morocco, Netherlands, Norway, Novaya Zemlya, Poland, Romania, Russia (NET, East Siberia, Far East, West Siberia), Sweden, Switzerland.

*miriforceps* (KIEFFER, 1923): *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **9**: 10 (*Syndiamesa*), Type-locality: [Russia] {Novaya Zemlya} “Lac Lomvand, Baie Belushii”.

*gracilior* (KIEFFER, 1924): *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **44**: 82 (*Didiamesa*; as var. of *miriforceps* Kieffer, 1923). Type-locality: “Norvège (Olstad)”.

*stiligera* (KIEFFER, 1924): *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **44**: 81 (*Didiamesa*; as var. of *miriforceps* Kieffer, 1923). Type-locality: “Norvège (Olstad)”.

**pseudomorio** MAKARCHENKO, 1982: *Biologiya presnovodnykh zhitovnykh Dal'nego Vostoka, Vladivostok*: 133 (*Protanypus*). Type-locality: [Russia] {SSSR, Far East} \*\*Chukotskii poluostrov (yugo-zapadnaya chast'), oz. Seutakan v srednem techenii r. Seutakan\*\* [= Chukotskii Peninsula (southwestern part),

Lake Seutakan in the middle course of the River Seutakan]. — Distr.: **NE**: U.S.A. (Alaska); **PA**: ?Romania, Russia (Far East).

**ramosus** SÆTHER, 1975: *Journal of the Fisheries Research Board of Canada* **32**: 368 (*Protanypus*). Type-locality: [Canada] “Lake 122, Freshwater Institute Experimental Lakes Area (ELA), Kenora, Ont.” [= Ontario]. — Distr.: **NE**: Canada (Manitoba, Northwest Territories, Ontario).

**saetheri** WIEDERHOLM, 1975: *Entomologica Scandinavica* **6**: 224 (*Protanypus*). Type-locality: [U.S.A.] “Lake Beverly, Wood River Lakes, Alaska”. — Distr.: **NE**: U.S.A. (Alaska).

**tshereshnevi** MAKARCHENKO, 1982: *Biologiya presnovodnykh zhivotnykh Dal'nego Vostoka, Vladivostok*: 140 (*Protanypus*). Type-locality: [Russia] [Russia] {SSSR, Far East} \*\*Chukotskii poluostrov (yugo-zapadnaya chast'), bassein r. Erguveem (verkhnee techenie), oz. Pichkhyn-Miitkhyn\*\* [= Chukotskiy Peninsula (southwestern part), basin of the River Erguveem (upper course), Lake Pichkhyn-Miitkhyn]. — Distr.: **PA**: Russia (Far East).

sp. A: SÆTHER, 1975: *Journal of the Fisheries Research Board of Canada* **32**: 381 (*Protanypus*). Locality: [Canada] “Marion Lake, B.C.” [= British Columbia]. — Distr.: **NE**: Canada (British Columbia).

sp. B: SÆTHER, 1975: *Journal of the Fisheries Research Board of Canada* **32**: 383 (*Protanypus*). Locality: [Canada] “George Lake, La Cloche Mountain Region, Ont.” [=Ontario]. — Distr.: **NE**: Canada (Ontario).

sp. Inawa: SASA & SUZUKI, 1998: *Tropical Medicine* **40**: 28 (*Protanypus*). Locality: {Japan} “on the shore of acid and rather eutrophicated lake Inawashiro”. — Distr.: **PA**: Japan.

#### Genus **PSEUDODIAMESA** GOETGHEBUER

**PSEUDODIAMESA** GOETGHEBUER in GOETGHEBUER & LENZ, 1939: *Die Fliegen der Palaearktischen Region* **13d**: 9 (as subgenus of *Syndiamesa* Kieffer, 1918). Type-species: *Syndiamesa pilosa* Kieffer, 1924 [= *Diamesa branickii* Nowicki, 1873], by

original designation.

**TRICHOTOMESA** HRABĚ, 1940: *Sborník Klubu Přírodovědeckého v Brně* **22**: 20. Type-species: Not given. Name not made available - not accompanied by a description or by the fixation of a type-species contrary to Article 13.1.1 and 13.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. Synonymized with *Pseudodiamesa* Goetghebuer, 1939, by Pagast (1947: *Archiv für Hydrobiologie* **41**: 451). [Note]

**PACHYDIAMESA** OLIVER, 1959: see below as subgenus.

**PSEUDODIAMESA** GOETGHEBUER, 1939: see below as subgenus.

Subgenus **PACHYDIAMESA** OLIVER

**PACHYDIAMESA** OLIVER, 1959: *Entomologisk Tidskrift* **80**: 54 (as subgenus of *Pseudodiamesa* Goetghebuer, 1939). Type-species: *Diamesa arctica* Malloch, 1919, by original designation.

**arctica** (MALLOCH, 1919): *Report. Canadian Arctic Expedition* **3**: 37 (*Diamesa*). Type-locality: {Canada} “Colville mountains, Wollaston peninsula, Victoria island”. — Distr.: **NE**: Canada (Nunavut). [Note]

Subgenus **PSEUDODIAMESA** GOETGHEBUER

**branickii** (NOWICKI, 1873): *Beiträge zur Kenntniss der Dipterenfauna Galiziens, Krakau* **1873**: 3 (*Diamesa*; as “*Branickii*”). Type-locality: [Poland] “Tatragebirges”. — Distr.: **NE**: Canada (Alberta, British Columbia), Greenland, U.S.A. (California, Michigan, New Mexico); **PA**: Austria, Corsica, Czech Republic, ?Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Ireland, Italy, Mongolia, Morocco, Norway, Novaya Zemlya, Poland, Romania, Russia (CET, NET, East Siberia, West Siberia, Far East), Slovakia, Spain, Sweden, Switzerland; **OR**: Nepal.

*pilosa* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 48 (*Syndiamesa*). Type-localities: [Germany] “Schwarzwald : Todtmoos, à une altitude de 850 mètres”; “larves dans les torrents du Todtenbach et de la

Wehra”; “sanatorium, près Todtmoos, bord de la forêt”.

*lepnevae* (LIPINA, 1949): *Trudy Zoologicheskogo Instituta, Leningrad* **7**: 196 (*Syndiamesa*). Type-locality: [Russia, West Siberia] \*\*V Teletskom ozere\*\* [= in Lake Teletsk]; \*\*ot istoka Bii do skal Azhi\*\* [= from the source of the Bii to Azhi rock]; \*\*Yailyu, v raione Korbu i Yan-Chili\*\* [=Yailyu, in the vicinity of Korbu and Yan-Chili]; \*\*yuzhnee Yan-Chili\*\* [= south of Yan-Chili]; \*\*v rr. Bii, Korby i v ruch'e Okporok\*\* [= in the Rivers Bii, Korby and in the Okporok stream].

*lepnevi*: incorrect subsequent spelling.

*belingi* FITTKAU, 1954: *Beiträge zur Entomologie* **4**: 84 (*Pseudodiamesa*). Type-localities: [Germany] “aus der Fulda (bei Obernhassen, Hessen)”; “aus Lunz (Niederösterreich”); [Austria] “aus der Ötztaler Alpen (2300 m”.

*bicolor* LINEVICH in LINEVICH & MAKARCHENKO, 1989: *Sistematika i ekologiya rechnykh organizmov. Sbornik nauchnykh trudov*: 26 (*Pseudodiamesa*). Type-locality: [Russia, East Siberia] \*\*Yuzhnyi Baikal, r. Slyudyanka, v 10—15 km ot berega Baikala\*\* [= south Baikal, River Slyudyanka, about 10—15 km from the shore of Baikal].

**gorodkovi** MAKARCHENKO, 1983: *Zoologicheskii Zhurnal* **62**: 1909 (*Pseudodiamesa*). Type-locality: [Russia, Southern European Territory] \*\*Severnyi Kavkaz Teberdinskii zapovednik, Kurort\*\* [= North Caucasus, Teberdinskii Nature Reserve, Kurort]. — Distr.: **PA**: Russia (SET).

**latistyla** MAKARCHENKO, 1989: *Acta Biologica Debrecina, Supplementum Oecologica Hungarica* **2**: 272 (*Pseudodiamesa (Pseudodiamesa)*). Type-locality: [Russia] “U.S.S.R., Soviet Far East, Magadan region, Ola River basin, Uglican River”. — Distr.: **PA**: Russia (Far East).

**mongolzecea** SASA & SUZUKI, 1997: *Japanese Journal of Tropical Medicine and Hygiene* **25**: 186 (*Pseudodiamesa*). Type-locality: {Mongolia} “Bogd (#5, #20), about 1,500 m high from sea level”. — Distr.: **PA**: Mongolia.

**nepalensis** REISS, 1968: *Khumbu Himal* **3**: 60 (*Pseudodiamesa*). Type-locality: “See 17,

Oberfläche, Höhe ca. 5400m ü. N. N.; . . . beim Ort Bibre am Nuptse-Gletscher, Nepal”. — Distr.: **OR**: Nepal.

**nivosa** (GOETGHEBUER, 1928): *Encyclopédie Entomologique, B-II, Diptera* **4**: 126 (*Syndiamesa*). Type-locality: [France] “sur les bords du «Lac de Milieu» au pied du glacier des Grandes Rousses, dans les Alpes du Dauphiné, près de Grenoble, . . . à 2.678 mètres d’altitude”. — Distr.: **PA**: Afghanistan, Austria, ?China (Ningxia, Tibet), Estonia, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Lebanon, Mongolia, Morocco, Norway, Novaya Zemlya, Poland, Romania, Russia (CET, NET, East Siberia, Far East), Slovakia, Spain, Sweden, Switzerland.

*subnivosa* (LINEVICH & MAKARCHENKO, 1989): *Sistematika i ekologiya rechnykh organizmov. Sbornik nauchnykh trudov*: 25 (*Pseudodiamesa*). Type-locality: [Russia, East Siberia] \*\*r. Angara u g. Irkutsk\*\* [= River Angara at the town of Irkutsk].

*subnivosa* LINEVICH, 1971: *Limnologica, Berlin* **8**: 99 (*Syndiamesa*). Locality: [Russia, East Siberia] “around Baikal”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

? *pubitarsis* (ZETTERSTEDT, 1838): *Insecta Lapponica* [Heft 3]: 811 (*Chironomus*). Type-localities: [Sweden] “in Lapponia Tornensi . . . in Salice ad Junosuando”; “in ripa fluminis Tornensis ad Wittangi”. **Questionable synonym**. [Note]

? *albipennis* (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 104 (*Syndiamesa*). Type-locality: “Kleinasien” [= Middle East] || ► Type-locality: [Turkey] “Asie-Mineure: Agaboz” in Kieffer, 1918: *Annales Historico-Naturalis Musei Nationalis Hungarici* **16**: 104 ◀ ||. Senior primary homonym of *Syndiamesa albipennis* Kieffer, 1918 (see next species). **Questionable synonym**. [Note]

? *albipennis* (KIEFFER, 1918): *Annales Historico-Naturalis Musei Nationalis Hungarici* **16**: 104 (*Syndiamesa*). Type-locality: [Turkey] “Asie-Mineure: Agaboz”. **Preoccupied**. Junior primary homonym of *Syndiamesa albipennis*



Kieffer, 1918 (see previous species). **Questionable synonym.**

? *alica* (YAN, YE & WANG, 1979): *Xizang Ngari diqu dongzhiwu kaocha baogao*: 166 (*Syndiamesa*). Type-locality: [China, Tibet] “Gaize County, Tibet, 4,415 metres (altitude)” [Translated from Chinese]. **Questionable synonym.** [Note]

**pertinax** (GARRETT, 1925): *Seventy New Diptera*: 6 (*Prodiamesa*). Type-locality: [Canada] “Cranbrook, B.C.” [= British Columbia] [Lectotype designated in Sublette, 1967: *Journal of the Kansas Entomological Society* **40**: 302, “Cranbrook, B.C.”]. — Distr.: **NE**: Canada (British Columbia, Northwest Territories), U.S.A. (Colorado, Michigan, Utah, Wyoming); **PA**: ?China (Qinghai).

**stackelbergi** (GOETGHEBUER, 1933): *Bulletin et Annales de la Société Entomologique de Belgique* **73**: 220 (*Syndiamesa*). Type-locality: “Environs de Leningrad Russie”. — Distr.: **PA**: Japan, Russia (NET, East Siberia). [Note]

**venusta** MAKARCHENKO, 1984: *Ekologicheskie issledovaniya ozera Baikal i Pribaikal'ya*: 62 (*Pseudodiamesa*). Type-locality: {Mongolia} \*\*NNR, bassin Khubsugul ust'e r.Khoroo\*\* [= NNR, Khubsugul basin, mouth of the River Khoroo]. — Distr.: **PA**: Mongolia.

**vetusta** MAKARCHENKO, 1989: *Acta Biologica Debrecina, Supplementum Oecologica Hungarica* **2**: 272 (*Pseudodiamesa* (*Pseudodiamesa*)). Type-locality: [Kazakhstan] “U.S.S.R., Semipalatinsk region, Saur, Chagan-Obo village”. — Distr.: **PA**: Kazakhstan, Russia (West Siberia).

#### Genus **PSEUDOKIEFFERIELLA** ZAVŘEL

**PSEUDOKIEFFERIELLA** ZAVŘEL, 1941: *Entomologické Listy* [Reprint] **4**: 1 (as „*Pseudokiefferiella*“ in title) & 6 (Nachtrag: *Diplomesa* Zavřel, 1941 is created and synonymized simultaneously with *Pseudokiefferiella* and the latter validated by inclusion of *D. lapponica* Zavřel, 1941). Type-species: *Diplomesa lapponica* Zavřel, 1941 [= *Diamesa parva* Edwards, 1932], by monotypy. Senior homonym of *Pseudokiefferiella* Lawrence, 1951 (in the Subfamily Orthoclaadiinae a junior synonym of *Pseudorthocladus* Goetghebuer, 1932). [Note]

*DIPLOMESA* PAGAST, 1947: *Archiv für Hydrobiologie* **41**: 539. Type-species: *Diplomesa lapponica* Pagast, 1947 [= *Diamesa parva* Edwards, 1932], by original designation. Synonymized with *Pseudokiefferiella* Zavřel, 1941 by Thienemann (1952: *Zoologischer Anzeiger* **149**: 41). [Note]

*PSEUDOKIEFFERIELLA* ZAVŘEL, 1941: *Entomologické Listy* **4**: 9 (as „*Pseudokiefferiella*“ in title). Type-species: Not given. Name not made available - not accompanied by the fixation of a type-species contrary to Article 13.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. Synonymized with *Pseudokiefferiella* Zavřel, 1941, by Ashe (1983: *Entomologica Scandinavica Supplement* **17**: 46). [Note]

*DIPLOMESA* ZAVŘEL, 1941: *Entomologické Listy* **4** [Reprint]: 6 (in Nachtrag). Type-species: *Diplomesa lapponica* Zavřel, 1941 [= *Diamesa parva* Edwards, 1932], by monotypy. Name not made available – first published as a junior synonym contrary to Article 11.6 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. Synonymized with *Pseudokiefferiella* Zavřel, 1941 by Zavřel (1941: *Entomologické Listy* **4** [Reprint]: 6 (in Nachtrag)). [Note]

*DIPLOMESA* THIENEMANN, 1941: *Archiv für Hydrobiologie Supplement* **17**: 190. Type-species: *Diplomesa lapponica* Thienemann, 1941 [= *Diamesa parva* Edwards, 1932], by monotypy. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. Synonym of *Pseudokiefferiella* Zavřel, 1941 (Reprint description), **syn. nov.** [Note]

**parva** (EDWARDS, 1932): *Scottish Naturalist* **194**: 45 (*Diamesa*). Type-locality: [Great Britain, Scotland] “Loch Einich”. — Distr.: **NE**: Canada (Northwest Territories); U.S.A. (New Hampshire); **PA**: Austria, Czech Republic, Finland, France, Germany, Great Britain, Ireland, Italy, Norway, Novaya Zemlya, Poland, Portugal, Russia (East Siberia, Far East), Slovakia, Spain, Sweden, Switzerland. [Note]

*tyrolensis* (GOETGHEBUER, 1932): *Faune de France* **23**: 173 (*Diamesa* (*Psilodiamesa*)). Type-locality: [Austria] “Tyrol : Ob. Gleirschtal”.

*lapponica* (ZAVŘEL, 1941): *Entomologické Listy* **4** [Reprint]: 6 (*Diplomesa*; in

Nachtrag). Type-locality: [Czech Republic] “Hohe Tatra, Bach Mlýnica (I. Bachtypus), cča. 1600 m”. Senior primary homonym of *Diplomesa lapponica* Pagast, 1947. [Note]

*lapponica* (PAGAST, 1947): *Archiv für Hydrobiologie* **41**: 539 (*Diplomesa*). Type-localities: “Schwedisch-Lappland, Quellen und Quellbäche im Abiskogebiet”; [Switzerland] “Schweizer Nationalpark, Quelle im Münstertal 1280 m”; [Czech Republic] “Hohe Tatra, Bach Mlynica, etwa 1600 m hoch”. **Preoccupied**. Junior primary homonym of *Diplomesa lapponica* Zavřel, 1941. [Note]

*lapponica* (THIENEMANN, 1941): *Archiv für Hydrobiologie Supplement* **17**: 190 (*Diplomesa*). Localities: [Sweden] “In der *Lapporthocladus*-Quelle in der Zwergbirkenheide bei Abisko”; “Quellgebiet am Pallemjtjåkko in ca. 850 m Höhe”; “Quellbach direkt unter dem Kårsajökel (793 m)”; “Quellrinnsal bei Kopparåsen”; “Quellgebiet am Fuß des Njulja”; “Quellgebiet am Njulja in 900 m Höhe”; “Quelle nahe Abisko-Turisthotel”; “Bach bei Kopparåsen”; “*Lapporthocladus*-Quelle”; [Switzerland] “Schweizerischer Nationalpark, Quelle im Münstertal in 1280 m Höhe”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. [Note]

#### Genus **REISSMESA** ASHE

**REISSMESA** ASHE, 2000: *Spixiana* **23**: 112 (as new name for *Reissia* Brundin, 1981 *nec* Loeblich & Tappan, 1964). Type-species: *Araucania antiqua* Brundin, 1966, by original designation.

**ARAUCANIA** BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 398. Type-species: *Araucania antiqua* Brundin, 1966, by original designation. Junior homonym of *Araucania* Pate, 1947.

**REISSIA** BRUNDIN, 1981: *Vicariance biogeography: a critique*: 120 (as new name for *Araucania* Brundin, 1966 *nec* Pate, 1947). Type-species: *Araucania antiqua* Brundin, 1966, by original designation. Junior homonym of *Reissia* Loeblich & Tappan, 1964.

*CHIRONOCESA* KOÇAK & KEMAL, 2008: *Centre for Entomological Studies Ankara, Miscellaneous Papers* **144**: 2 (as new name for *Araucania* Brundin, 1966 *nec* Pate, 1947). Type-species: *Araucania antiqua* Brundin, 1966, by original designation. Junior synonym of *Reissmesa* Ashe, 2000, **syn. nov.**

**antiqua** (BRUNDIN, 1966): *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 400 (*Araucania*). Type-locality: “shore of Lago Villarrica near the outflow of Rio Toltén, Prov. Cautín, SOUTH CHILE”. — Distr.: **NT**: Argentina, Chile.

**gelida** (BRUNDIN, 1966): *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 402 (*Araucania*). Type-locality: “a glacier torrent on Cerro Morado, 4300 m, Lo Valdés, Andes of Santiago, CENTRAL CHILE”. — Distr.: **NT**: Chile.

**valdesiana** (BRUNDIN, 1966): *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 402 (*Araucania*). Type-locality: “a torrent near Refugio house, 2300 m, Lo Valdés, Andes of Santiago, CENTRAL CHILE”. — Distr.: **NT**: Chile.

#### Genus **SASAYUSURIKA** MAKARCHENKO

**SASAYUSURIKA** MAKARCHENKO, 1993: *Bulletin of the National Science Museum, Tokyo* (Series A) **19**: 118. Type-species: *Sasayusurika aenigmata* Makarchenko, 1989 [= *Diamesa* (*Psilodiamesa*) *nigatana* Tokunaga, 1936], by original designation.

**nigatana** (TOKUNAGA, 1936): *Philippine Journal of Science* **59**: 537 (*Diamesa* (*Psilodiamesa*)). Type-locality: “Japanese Alps, Japan . . . Sasagamine, Nigata Prefecture”. — Distr.: **PA**: Japan; **OR**: India (Himachal Pradesh).

*aenigmata* MAKARCHENKO, 1993: *Bulletin of the National Science Museum, Tokyo* (Series A) **19**: 119 (*Sasayusurika*). Type-locality: “Japan, Honshu, Okunikko, Nikko City, Nikko National Park, Toyamazawa River, Tochigi Prefecture, 1,450 m in altitude”.

#### Genus **SYMPOTTHASTIA** PAGAST

**SYMPOTTHASTIA** PAGAST, 1947: *Archiv für Hydrobiologie* **41**: 457. Type-species: *Sympotthastia zavreli* Pagast, 1947, by monotypy.

- bicolor** (TOKUNAGA, 1937): *Philippine Journal of Science* **62**: 56 (*Syndiamesa* (*Syndiamesa*)). Type-locality: “Honshu, Japan . . . Kibune, Kyoto”. — Distr.: **PA**: Japan.
- diastena** (SUBLETTE, 1964): *Proceedings of the United States National Museum* **115**: 128 (*Pseudodiamesa* (*Pseudodiamesa*)). Type-locality: [U.S.A.] {California} “Mill Valey, Marin Co.”. — Distr.: **NE**: U.S.A. (California, Colorado, Oregon).
- fulva** (JOHANNSEN, 1921): *Entomological News* **32**: 229 (*Diamesa*). Type-locality: [U.S.A.] “Ithaca, New York”. — Distr.: **NE**: U.S.A. (New York, North Carolina, South Carolina); **PA**: China (Liaoning, Ningxia, Tianjin), Russia (East Siberia, Far East).
- gemmaformis** MAKARCHENKO, 1994: *Bulletin of the National Science Museum, Tokyo* (Series A) **20**: 53 (*Sympotthastia*). Type-locality: “Bifue River, Chitose, Hokkaido, Japan”. — Distr.: **PA**: Japan, Russia (Far East).
- huldeni** TUISKUNEN, 1986: *Annales Entomologici Fennici* **52**: 78 (*Sympotthastia*). Type-locality: “Finland, Li, Utsjoki, Skaidejohka”. — Distr.: **PA**: Finland.
- macrocera** SERRA-TOSIO, 1973: *Travaux du Laboratoire d'Hydrobiologie et de Pisciculture de l'Université de Grenoble* **63**: 87 (*Sympotthastia*; as species). Type-locality: || ► {France} “au filet troubleau dans une seule station : Viviers (Ardèche), au lieu dit « le Pont Vieux » . . . de la vallée du Rhône, sur le rebord Sud-Est du Massif Central, à 65 m d'altitude” in Serra-Tosio, 1969: *Travaux du Laboratoire d'Hydrobiologie et de Pisciculture de l'Université de Grenoble* **59/60**: 139 ◀ ||. — Distr.: **PA**: France, Germany. [**Note**]
- macrocera* SERRA-TOSIO, 1969: *Travaux du Laboratoire d'Hydrobiologie et de Pisciculture de l'Université de Grenoble* **59/60**: 137 (*Sympotthastia*; as “forme” of *spinifera* Serra-Tosio, 1969). Type-locality: {France} “au filet troubleau dans une seule station : Viviers (Ardèche), au lieu dit « le Pont Vieux » . . . de la vallée du Rhône, sur le rebord Sud-Est du Massif Central, à 65 m d'altitude”. Unavailable name proposed as a “variety” or “form” after 1960 contrary to Article 15.2 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

[Note]

**repentina** MAKARCHENKO, 1984: *Biologiya presnykh vod Dal'nego Vostoka*: 87 (*Sympothastia*). Type-locality: [Russia] {Far East SSSR} \*\*Primorskii krai, Khasanskii raion, r. Narva\*\* [= Primorskii Krai, Khasanskii Region, River Narva]. — Distr.: **PA**: China (Liaoning), Russia (Far East); **OR**: China (Guizhou).

**spinifera** SERRA-TOSIO, 1969: *Travaux du Laboratoire d'Hydrobiologie et de Pisciculture de l'Université de Grenoble* **59/60**: 134 (*Sympothastia*). Type-locality: {France} “au filet troubleau dans une seule station : Viviers (Ardèche), au lieu dit « le Pont Vieux » . . . de la vallée du Rhône, sur le rebord Sud-Est du Massif Central, à 65 m d'altitude”. — Distr.: **PA**: Austria, France, Germany, Greece, Italy, Spain. [Note]

**takatensis** (TOKUNAGA, 1936): *Philippine Journal of Science* **59**: 531 (*Syndiamesa* (*Syndiamesa*)). Type-locality: {Japan} “Takata, Nigata Prefecture”. — Distr.: **PA**: China (Liaoning), Japan, Russia (Far East).

*knorensis* MAKARCHENKO, 1984: *Biologiya presnykh vod Dal'nego Vostoka*: 91 (*Sympothastia*). Type-locality: [Russia] {Far East SSSR} \*\*Khabarovskii krai, bassin r. Amur, r. Khor, nizhnee techenie\*\* [= Khabarovskii Krai, basin of the River Amur, River Khor, lower course].

*khorensis*: incorrect subsequent spelling.

*toyamayezea* SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (March): 44 (*Sympothastia*). Type-locality: [page 16, Introduction] “Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill . . . Lake A” [= ground pool “A”, page 17].

**zavreli** PAGAST, 1947: *Archiv für Hydrobiologie* **41**: 458 (*Sympothastia*; as “zavřeli”). Type-localities: [p. 569] [Germany] “aus Ismaning bei München”; “aus Ismaning am Speichersee bei München in einem klaren Bach”; “in einem Quellrinnsal im Isartal bei Ismaning”; [Czech Republic] “Žabčice bei Brünn”;

“aus einem mährischen Forellenbach, der Vistriz, bei Mariental unweit Olmütz”; [Germany] “In der Lahn bei Saßmannshausen”. — Distr.: **NE**: U.S.A. (?North Carolina); **PA**: Algeria, Austria, Czech Republic, France, Germany, Great Britain, Ireland, Lebanon, Macedonia, Morocco, Romania, Spain.

*zavřeli*: incorrect original spelling.

Genus **SYNDIAMESA** KIEFFER

**SYNDIAMESA** KIEFFER, 1918: *Entomologische Mitteilungen* **7**: 103. Type-species: *Diamesa hygropetrica* Kieffer, 1909, by subsequent designation of Edwards (1929: *Transactions of the Entomological Society of London* **77**: 303).

**PARAPOTTHASTIA** SERRA-TOSIO, 1969: *Travaux du Laboratoire d'Hydrobiologie et de Pisciculture de l'Université de Grenoble* **59/60**: 145. Type-species: *Sympotthastia edwardsi* Pagast, 1947, by original designation. Synonymized with *Syndiamesa* Kieffer, 1918, by Cranston (1975: *Entomologist's Monthly Magazine* **110**: 88). [**Note**]

**edwardsi** (PAGAST, 1947): *Archiv für Hydrobiologie* **41**: 459 (*Sympotthastia*). Type-locality: [Great Britain] [p. 69] “N. W. Yorks: Pen-y-Ghent” [Yorks = Yorkshire]. — Distr.: **PA**: France, ?Germany, Great Britain, Ireland, Italy, Spain.

**hygropetrica** (KIEFFER, 1909): *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 40 (*Diamesa*). Type-locality: {Allemagne} [= Germany] “Larves sur les pierres des étangs . . . Sauerland”. — Distr.: **PA**: ?Finland, France, Germany, Morocco, Netherlands, ?Poland, Romania, Slovakia, Spain, ¶Yugoslavia.

**kashimae** TOKUNAGA, 1936: *Philippine Journal of Science* **59**: 534 (*Syndiamesa* (*Syndiamesa*); as “*kashimæ*”). Type-locality: “Japanese Alps, Japan . . . Kashima, Nagano Prefecture”. — Distr.: **PA**: Japan.

*kashimæ*: incorrect original spelling.

**kyogokusecunda** SASA & SUZUKI, 1998: *Tropical Medicine* **40**: 25 (*Syndiamesa*). Type-locality: {Japan} “Kyogokucho, Hokkaido”. — Distr.: **PA**: Japan.

**longipilosa** ENDO, 2007: *Entomological Science* **10**: 292 (*Syndiamesa*). Type-locality:

“Choshi-daki (altitude 1070 m), Choshidani River, Nyukawa-mura, Gifu Prefecture, Honshu, Japan”. — Distr.: **PA**: Japan.

**mira** (MAKARCHENKO, 1980): *Zoologicheskii Zhurnal* **59**: 466 (*Parapotthastia*). Type-locality: [Russia] \*\*o-v Kunashir (Kuril'skie o-va), okrestnosti pos. Sernovodsk, r. Tyurino, 300 m ot ust'ya, vykhody gruntovykh vod\*\* [= Kunashir Island (Kuril Islands), vicinity of Sernovodsk village, River Tyurino, 300 metres from mouth, underground waters]. — Distr.: **PA**: Japan, Russia (Far East).

**montana** TOKUNAGA, 1936: *Philippine Journal of Science* **59**: 532 (*Syndiamesa* (*Syndiamesa*)). Type-locality: “Japanesa Alps, Japan . . . Tsurugisawa, Toyama Prefecture”. — Distr.: **PA**: Japan.

**nigra** ROSSARO, 1980: *Bollettino della Società Entomologica Italiana* **112**: 192 (*Syndiamesa*). Type-locality: {Italy, Lombardy} “sopra il paese di Vezza d'Oglio, nell'alta valle Camonica, ad un'altitudine di circa 1100 metri”. — Distr.: **PA**: Italy.

**serratosioi** KOWNACKI, 1982: *Acta Hydrobiologica Kraków* **23**: 388 (*Syndiamesa*). Type-locality: “Poland, the Tatra Mts, stream Olczyski, 1100 m a.s.l.”. — Distr.: **PA**: Austria, Poland. [Note]

**vallanti** KOWNACKI, 1982: *Acta Hydrobiologica Kraków* **23**: 390 (*Syndiamesa*). Type-locality: “Marocco, 2500 m a.s.l.”. — Distr.: **PA**: Morocco. [Note]

**yosiii** TOKUNAGA, 1964: *Akitu* **12**: 22 (*Syndiamesa* (*Syndiamesa*)). Type-locality: {Japan, Honshu} “Ishiuchi, Minami-Uonuma-Gun, Niigata Pref.”. — Distr.: **PA**: China (Jilin, Liaoning), Japan, Russia (Far East).

*yosii*: incorrect subsequent spelling.

*rara* (MAKARCHENKO, 1980): *Zoologicheskii Zhurnal* **59**: 468 (*Parapotthastia*). Type-locality: [Russia, Far East] \*\*Primorskii krai, Khasanskii r-n, zapovednik «Kedrovaya Pad'», rodnik bliz klyucha Kabanii\*\* [= Primorskii Krai, Khasanskii Region, «Kedrovaya Pad'» Nature Reserve, spring source near Kabanii].



*chuzemagna* SASA, 1989: *Research Report from the National Institute for Environmental Studies* **125**: 152 ((*Syndiamesa*); as nom. nov. for *Syndiamesa* sp. of Sasa, 1984: *Research Report from the National Institute for Environmental Studies* **70**: 93). Type-locality: {Japan} “Lake Chuzenji”. — Distr.: **PA**: Japan.

Unnamed sp.: OLIVER, DILLON & CRANSTON, 1990: *Agriculture Canada, Publication* **1857/B**: 19 (*Syndiamesa*). Localities: “N.W.T.” [= Northwest Territories]; “Ont.” [= Ontario]. — Distr.: **NE**: Canada (\$Northwest Territories, Ontario).  
[Note]

#### Nomina dubia probably in SYNDIAMESA

*polaris* KIEFFER, 1926: *Norsk Entomologisk Tidsskrift* **2**: 81 (*Syndiamesa*). Type-locality: [Canada, Nunavut, Ellesmere Island] “Cap Rutherford” [= Cape Rutherford].  
[Note]

#### Nomina dubia probably in DIAMESINAE

*admontensis* GOETGHEBUER, 1950: *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* **26**(47): 6 (*Diamesa* (*Psilodiamesa*)). Type-locality: “Admont (Autriche)” [Autriche = Austria].

*adumbrata* PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 169 (*Diamesa*). Type-locality: [Tajikistan] {valley of the Amu-dar'i, SSSR in Tadzhikistan} \*\*v ruch'e po Anzobskomu shosse v Varzobskom ushel'e\*\* [= in streams on the Anzobskomu road in Varzobskom Gorge].

*albicornis* GOETGHEBUER, 1939: *Bulletin et Annales de la Société Entomologique de Belgique* **79**: 388 (*Diamesa* (*Psilodiamesa*)). Type-locality: “Allemagne: Chiemsee” [Allemagne = Germany].

*altaicola* LIPINA, 1949: *Trudy Zoologicheskogo Instituta, Leningrad* **7**: 195 (as \*\*Rod? «Larva\*\* [= Genus? «Larva]). Type-localities: [Russia, West Siberia] \*\*V Teletskom ozere\*\* [= In Lake Teletsk]; \*\*V rr. Korby, Yan-Chili, Kokshi i

Egach\*\* [= In the Rivers Korby, Yan-Chili, Kokshi and Egach]; \*\*ozër Taimen'ego, Srednego Mul'tinskogo i Kochurlinskogo v tsentrak'nom Altae\*\* [= Lakes Taimen'ego, Srednego Mul'tinskogo and Kochurlinskogo in the central Altai]. Name not made available - not published in combination with a generic name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum.**

*angustimentum* CHERNOVSKII, 1949: *Opređeliteli po Faune SSSR* **31**: 106 (*Diamesa*).

Type-locality: [Russia, Northern European Territory] \*\*v r. Poach na Kol'skom poluostrove\*\* [= in the River Poach on the Kola Peninsula]. [**Note**]

*austriaca* GOETGHEBUER, 1950: *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* **26**(47): 7 (*Diamesa (Psilodiamesa)*). Type-locality: "Schlüsseljoch (Autriche)" [= Austria].

*bilineata* MEIGEN, 1838: *Systematische Beschreibung* **7**: 17 (*Tanypus*). Type-locality: [Title] "europäischn" [= European].

*borealis* KIEFFER, 1915: *Zoologische Jahrbücher, Abteilung Systematik, Ökologie und Geographie der Tiere* **39**: 107 (*Diamesa*). Type-localities: {Faroes} "Strömö (Thorshavn), Sandö und Naalsö". Junior secondary homonym of *Diamesa borealis* (Coquillett, 1899).

*carpatica* BOTNARIUC & CÎNDEA-CURE, 1954: *Buletin Ştiinţific Academia Republicii Populare Române* **6**: 1242 (*Diamesa*). Type-locality: {Romania} "în bazinul Bistriţei".

*confluens* KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 53 (*Diamesa*). Type-localities: [Germany] "Schwarzwald : Todtmoos"; "éclos du torrent de la Wehra"; "Murgtalstrasse, . . . sanatorium, bord de la forêt".

*coronarunguis* ŞAHİN, 1991: *Anadolu Üniversitesi, Fen-Edebiyat Fakültesi Dergisi* **3**: 66 (*Diamesa*). Type-locality: {Anadolu, Türkiye} [= Anatolia, Turkey] "Tuzluca'nın batısında Aras Nehrinin bir kolu olan Gaziler deresi, 40°06'N ve 43°28'0, 900 m. rakımda" [= Gaziler Stream, to the west of Tuzluca, a tributary

of the Aras River, 40°06'North and 43°28'East, 900 metres altitude]. [“28'0”, error = 28'D] [**Note**]

*coronata* CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR* **31**: 103 (*Diamesa*). Type-localities: [Russia, Northern European Territory] **\*\*v** ruch'e na Kol'skom poluostrove**\*\*** [= in streams on the Kola Peninsula].

*discoloriventris* ŞAHİN, 1991: *Anadolu Üniversitesi, Fen-Edebiyat Fakültesi Dergisi* **3**: 65 (*Diamesa*). Type-locality: {Anadolu, Türkiye} [= Anatolia, Turkey] “Pertek'in laney doğusunda Keban Gölü'ne dökülen Tozkoparan d. 38°55'N ve 39°27'0, rakım 1400 m.” [= Tozkoparan Stream, to the south-east of Pertek, where it enters Lake Keban 38°55'North and 39°27'East, altitude 1400 metres]. [“39°27'0”, error = 39°27'D] [**Note**]

*franzi* GOETGHEBUER, 1949: *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* **25**(14): 6 (*Syndiamesa*). Type-locality: “Autriche: Fischbacher Alpen, Dorne Kogel” [Autriche = Austria].

*fraterna* PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 166 (*Syndiamesa*). Type-locality: [Tajikistan] {valley of the Amu-dar'i, SSSR in Tadzhikistan} **\*\*severnee g. Stalinabada\*\*** [= north of the town of Stalinabad] [Stalinabad = Dushanbe].

*gelida* KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 24 (*Syndiamesa*). Type-locality: [Russia] {Nouvelle-Zemble} “lle Berkh”.

*gemella* PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 167 (*Diamesa*). Type-locality: [Tajikistan] {valley of the Amu-dar'i, SSSR in Tadzhikistan} **\*\*v** rodnike na gore zapadnogo sklona doliny Saradzhou na 300 m**\*\*** [= in a stream on the western slope of the Saradzhou Valley at 300 metres].

*heterodentata* BOTNARIUC & CÎNDEA-CURE, 1954: *Buletin Ştiinţific Academia Republicii Populare Române* **6**: 1240 (*Diamesa*). Type-locality: {Romania} “rîului Colentina . . . de zahăr Chitila”.

*hozati* ŞAHİN, 1991: *Anadolu Üniversitesi, Fen-Edebiyat Fakültesi Dergisi* **3**: 65 (*Diamesa*).

Type-locality: {Anadolu, Türkiye} [= Anatolia, Turkey] “Keban Gölü’ne dökülen Hozat Çayı . . . 39°08'N ve 39°15'O, rakım 1700 m.” [= Hozat Stream where it enters Lake Keban . . . 39°08'North and 39°15'East, altitude 1700 metres]. [“15'O”, error = 15'D]. [Note]

*impunctata* KIEFFER, 1923: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **9**: 9 (*Psilodiamesa*). Type-locality: [Russia] {Novaya Zemlya} “Presque’île l’Amirauté”.

*inaequabilis* PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 167 (*Diamesa*). Type-locality: [Tajikistan] {valley of the Amu-dar’i, SSSR in Tadzhikistan} \*\*v Mazor-dar’e vyshe kurorta Khodzha-obi-garm\*\* [= at Mazor-dar’e above the spa of Khodzha-obi-garm].

*incisilabiata* LINEVICH, 1963: *Trudy Limnologicheskogo Instituta* **1**(21): 23 (*Diamesa*). Type-locality: [Russia, East Siberia] \*\*Angaro-Baikal’skogo basseinna\*\* [= Angara-Baikal basin] || ▶ Type-locality: [Russia, East Siberia] \*\*ruch. Zhilishche (zapadnyi bereg Baikala u pos. Bol. Koty)\*\* [= Zhilishche stream (western shore of Baikal at the settlement of Bol. Koty)] in Linevich, Makarchenko & Aleksandrov, 2002: *Chironomids of Baikal and Pribaikalye*: 56 ◀ ||. Senior primary homonym of *Diamesa incisilabiata* Linevich, 2002. [Note]

*incisilabiata* LINEVICH in LINEVICH, MAKARCHENKO & ALEKSANDROV, 2002: *Chironomids of Baikal and Pribaikalye*: 56 (*Diamesa*). Type-locality: [Russia, East Siberia] \*\*ruch. Zhilishche (zapadnyi bereg Baikala u pos. Bol. Koty)\*\* [= Zhilishche stream (western shore of Baikal at the settlement of Bol. Koty)]. Junior primary homonym of *Diamesa incisilabiata* Linevich, 1963.

*leucopeza* MUELLER, 1923: *Verhandlungen der Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **73** [Preprint]: 99 (*Syndiamesa*). Type-locality: [Germany] “Chiemsee”. Senior primary homonym of *Syndiamesa leucopeza* Mueller, 1924. [Note]

*leucopeza* MUELLER, 1924: *Verhandlungen der Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **73**: 99 (*Syndiamesa*). Type-locality: [Germany] “Chiemsee”. **Preoccupied**. Junior primary homonym of *Syndiamesa leucopeza* Mueller, 1923.

*lobifera* KIEFFER, 1918: *Entomologische Mitteilungen* **7**: 104 (*Syndiamesa*). Type-locality: “Kleinasien” [= Middle East] || ▶ Type-locality: [Turkey] “Asie-Mineure: Angora” [= Ankara] in Kieffer, 1918: *Annales Historico-Naturalis Musei Nationalis Hungarici* **16**: 103 ◀ ||. Senior primary homonym of *Syndiamesa lobifera* Kieffer, 1918 (see next species).

*lobifera* KIEFFER, 1918: *Annales Historico-Naturalis Musei Nationalis Hungarici* **16**: 103 (*Syndiamesa*). Type-locality: [Turkey] “Asie-Mineure: Angora” [= Ankara]. Junior primary homonym of *Syndiamesa lobifera* Kieffer, 1918 (see previous species).

*longicapitis* LINEVICH, 1953: *Trudy Irkutskogo Gosudarstvennogo Universiteta* **7**: 161 (*Diamesa*). Type-localities: [Russia, East Siberia] \*\*v r. Angare\*\* [= in the River Angara]; \*\*v pritokakh r. Angary Metlyaevke i Ude\*\* [= in tributaries of the River Angara, Metlyaevke and Ude].

*longipes* CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR* **31**: 105 (*Diamesa*). Type-locality: [Georgia] {SSSR} \*\*v gornom ruch'e u Bakuriani (Gruziya)\*\* [= in mountain brooks at Baku (Georgia)]. **Preoccupied**. Junior primary homonym of *Diamesa longipes* Goetghebuer, 1941.

*lundstroemi* KIEFFER, 1918: *Entomologische Mitteilungen* **7**: 105 (*Diamesa*; as “*Lundströmi*”; as nom. nov. for *Diamesa arctica* sensu Kieffer in Kieffer & Lundbeck, 1911 nec Boheman, 1865). Type-locality: Not given || ▶ Type-localities: [Norway] “Bären-Insel, Kap Ruth” [Bären-Insel = Bear Island]; “Spitzbergen, Advent-Bai” in Kieffer & Lundbeck, 1911: *Avifauna Spitzbergensis*: 274-275 ◀ ||.

*Lundströmi*: incorrect original spelling.

- magnifipedis* ŞAHİN, 1991: *Anadolu Üniversitesi, Fen-Edebiyat Fakültesi Dergisi* **3**: 67 (*Syndiamesa*). Type-locality: {Anadolu, Türkiye} [= Anatolia, Turkey] “Munzur çayı kaynağında 39°15'N ve 39°02'0, 1500 m. rakım” [= At the source of the Munzur Stream 39°15'North and 39°02'East, 1500 metres altitude]. [“39°02'0”, error = 39°02'D]. [Note]
- microdiamesoides* LIPINA, 1949: *Trudy Zoologicheskogo Instituta, Leningrad* **7**: 199 (as \*\*Rod? «Larva\*\* [= Genus? «Larva]). Type-localities: [Russia, West Siberia] \*\*v rr. Bii i Egach\*\* [= in the Rivers Bii and Egach]. Name not made available - not published in combination with a generic name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.** [Note]
- minima* STROBL, 1910: *Mitteilungen des Naturwissenschaftlichen Vereins für Steiermark* **46**: 268 (*Diamesa*). Type-locality: [Austria] {Steiermark} “In einem höheren Bergwalde bei Admont”.
- mohelnicensis* HRABĚ, 1956: *Spisy Vydávané Přírodovědeckou Fakultou Masarykovy University* **372**: 53 (*Diamesa*). Type-locality: [Czech Republic] “nach dem Bache Mohelnice in der Umgebung von Krasna bei Frýdek in Schlesien (ČSR)”.
- monstrata* PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 166 (*Syndiamesa*). Type-locality: [Tajikistan] {valley of the Amu-dar'i, SSSR in Tadzhikistan} \*\*v psevdoreokrene s vannoi pri vykhode iz-pod zemli v doline r. Saradzhou\*\* [= in the outflow of a pseudorheocrene in the mountain valley of the River Saradzhou].
- montivaga* PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 150 (as “Orthoclaadiinae g.? l.”). Localities: [Tajikistan] {valley of the Amu-dar'i, SSSR in Tadzhikistan} \*\*naideny v r. Lyuchob\*\* [= found in the River Lyuchob]; \*\*g. Takie\*\* [= town of Takie]; \*\*v. r. Kurkel' v uschel'e\*\* [= in the gorge of the River Kurkel']; \*\*Khodzha-obi-garm\*\* [= Khodzha-obi-garm]; \*\*g. Heckol'ko\*\* [= town of Heckol'ko]; \*\*doliny r. Saradzhou\*\* [= valley of the River Saradzhou]; \*\*g. Ot naidenoi v r. Lyuchob\*\* [= town of Ot, found in

the River Lyuchob]. Name not made available - not published in combination with a generic name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

*nivalis* KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 51 (*Psilodiamesa*). Type-localities: [Germany] “Schwarzwald : Todtmoos, éclos du torrent nommé Todtbach”; “aussi Herrenstopfwald”.

*nivalis* PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 170 (*Diamesa*). Type-localities: [Tajikistan] {valley of the Amu-dar'i, SSSR in Tadzhikistan} \*\*v ruch'e iz podnika na vodorazdele Mazor—Saradzhou\*\* [= in streams at the base of the watershed of the Mazor—Saradzhou]; \*\*v psevdoreokrene v doline r. Saradzhou\*\* [= in a pseudorheocrene in the valley of the River Saradzhou].

*nivicola* BEZZI, 1918: *Memorie della Società Italiana di Scienze Naturali e del Museo Civico di Storia Naturale di Milano* **9**: 110 (*Prodiamesa*). Type-locality: {Italian Alps} “al Lago nella prima escursione” [page 90 = “Lago inferiore di Peraciaval . . . altezza 2700-2800 m.”].

*praecox* MEIGEN, 1818: *Systematische Beschreibung* **1**: 62 (*Tanypus*; as “*praecox*”). Type-locality: [Title] “europäischen” [= European]. [Note]

*pseudostylata* CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR* **31**: 105 (*Diamesa*). Type-locality: [Russia, Northern European Territory] \*\*v kholodnom rodnike na Kol'skom poluostrove\*\* [= in cold water springs on the Kola peninsula].

*punctata* KIEFFER, 1923: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **9**: 8 (*Diamesa*). Type-localities: [Russia] {Nova Zemlya} “Gribovii Fjord”; “Mashigin Fjord”.

*quadridens* LINEVICH, 1963: *Trudy Limnologicheskogo Instituta* **1**(21): 20 (*Diamesa*). Type-locality: [Russia, East Siberia] \*\*Angaro-Baikal'skogo basseinna . . . r. B. Koty\*\* [= Angara-Baikal basin . . . settlement of B. Koty].

*quinqaesetosa* PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 171 (*Diamesa*). Type-locality: [Tajikistan] {valley of the Amu-dar'i, SSSR in

Tadzhikistan} \*\*v kanale r. Varzob, tekushchem iz vodoprovodnoi stantsii g. Stalinabada\*\* [= in a canal of the River Varzob, where it flows from the water abstraction station at the town of Stalinabad] [Stalinabad = Dushanbe]. [Note]

*quinquaesetosa*: incorrect subsequent spelling.

*samarkandica* AKHROROV, 1975: *Gidrobiologicheskii Zhurnal* **11**: 67 (*Diamesa*). Type-locality: [Tajikistan] \*\*u sbrosnogo kanala v zapadnoi chasti Kairak-Kumskogo vodokhranilishcha\*\* [= by the disused spillway at the western part of the Karakum Reservoir].

*selligera* PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 170 (*Diamesa*). Type-locality: [Tajikistan] {valley of the Amu-dar'i, SSSR in Tadzhikistan} \*\*v psevdoreokrene v doline r. Saradzhou\*\* [= in a pseudorheocrene in the valley of the River Saradzhou].

*septima* EDWARDS, 1922: *Annals and Magazine of Natural History* (9) **10**: 214 (*Diamesa*). Type-locality: "Bear Island: south of island".

*simplicipes* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1<sup>re</sup> partie (Comptes Rendus)* **44**: 557 (*Diamesa*). Type-locality: [Germany] "Bavière : dans le Main, près de Lohr".

*spinosa* PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 168 (*Diamesa*). Type-locality: [Tajikistan] {valley of the Amu-dar'i, SSSR in Tadzhikistan} \*\*v rodnike na Kvake (1860 m ur. moray)\*\* [= in the spring at Kvake (1860 metres above sea-level)].

*stylata* CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR* **31**: 105 (*Diamesa*). Type-locality: [Russia, Northern European Territory] \*\*v tekunikh vodakh na Kol'skom poluostrove\*\* [= in flowing waters on the Kola peninsula].

*szembekii* NOWICKI, 1873: *Beitrage zur Insektenfauna Galiziens, Krakau* **1873**: 3 (*Diamesa*; as "Szembekii"). Type-locality: [Poland] "in der Waldregion des Tatragebirges".

*teletzkensis* LIPINA, 1949: *Trudy Zoologicheskogo Instituta, Leningrad* **7**: 198 (*Diamesa*). Type-localities: [Russia, West Siberia] \*\*V ozere . . . severo-zapadnom plëse u



m. Kara-tash i u pos. Kokaikhi\*\* [= In lakes . . . north-west of the vicinity of Kara-tash and the settlement of Kokaikhi]; \*\*v rr. Bii i Korby\*\* [= in the Rivers Bii and Korby].

*trispinosa* PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 152 (as “Orthoclaadiinae g.? l.”). Localities: [Tajikistan] {valley of the Amu-dar’i, SSSR in Tadzhikistan} \*\*naideny v podnike na Kvake (Gumidnaya zona)\*\* [= found in the spring of Kvake (Gumidnaya zone)]; \*\*v ruch’e na ploskogor’e Ruidasht so storony ushel’ya Khodzha-obi-garm\*\* [= in streams of the Ruidasht Plateau on the side of the Khodzha-obi-garm Gorge]. Name not made available - not published in combination with a generic name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

#### Unavailable names in DIAMESINAE

*MIXODIAMESA* THIENEMANN, 1934: *Stettin Entomologische Zeitung* **95**: 19. A supra-generic concept for five or six species belonging to several genera. An unavailable name not based on an available generic name contrary to Article 11.7.1.1 (ICZN, 1999, 4th Edition). *Mixodiamesa* does not constitute an available scientific name and it should not be used under any circumstance.

#### Subfamily PRODIAMESINAE

**PRODIAMESINAE** SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 10. Type-genus: *Prodiamesa* Kieffer, 1906.

#### Genus COMPTEROMESA SÆTHER

**COMPTEROMESA** SÆTHER, 1981: *Aquatic Insects* **3**: 194. Type-species: *Compteromesa oconeensis* SÆTHER, 1981, by original designation.

**haradensis** NIITSUMA & MAKARCHENKO, 1997: *Japanese Journal of Entomology* **65**: 614 (*Compteromesa*). Type-locality: “Harada-gawa in Ashikubo, Shizuoka City, Japan”. — Distr.: **PA**: Japan.

- oconeensis** SÆTHER, 1981: *Aquatic Insects* **3**: 195 (*Compteromesa*). Type-locality: [U.S.A.] “small stream, Bert Collins property, Star Route, Oconee Co., Westminster, South Carolina”. — Distr.: **NE**: U.S.A. (South Carolina).
- sp.: UENO & IWAKUMA, 1996: *Mires of Japan*: 60 (*Compteromesa*). Locality: [Japan] “Miyatoko Mire”.

Genus **MONODIAMESA** KIEFFER

- MONODIAMESA** KIEFFER, 1922: *Bulletin de la Société Entomologique de France* **1921**: 287. Type-species: *Prodiamesa bathyphila* Kieffer, 1918, by subsequent designation of Goetghebuer in Goetghebuer & Lenz (1939: *Die Fliegen der Palaearktischen Region* **13d**: 3).
- alpicola** (BRUNDIN, 1952): *Reports from the Institute of Freshwater Research, Drottningholm* **33**: 46 (*Prodiamesa* (*Monodiamesa*)). Type-localities: “aus der Schweiz: Öschinen See, 1 578 m, in der Blümlisalpen”; “Lago Maggiore, . . . am Ufer bei Locarno”; “Brienzer See” [Schweiz = Switzerland]. — Distr.: **PA**: Austria, Mongolia, Switzerland.
- bathyphila** (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 102 (*Prodiamesa*). Type-locality: “Deutschland” [= Germany]. — Distr.: **NE**: Canada (\$Northwest Territories), Greenland, U.S.A. (Alaska, Illinois, Michigan, Minnesota, Ohio); **PA**: Albania, Austria, China (Qinghai), Denmark, Estonia, Finland, France, Germany, Great Britain, Ireland, Italy, Japan, Kaliningrad, Luxembourg, Macedonia, Moldova, Mongolia, Netherlands, Norway, Poland, Romania, Russia (CET, NET, East Siberia), Slovakia, Sweden. [**Note**]

*bathyphila*: **Not Neotropical**.

*chuzenigra* (SASA, 1989): *Research Report from the National Institute for Environmental Studies* **125**: 151 (*Prodiamesa*; as nom. nov. for “*Prodiamesa* sp.” of SASA, 1984: *Research Report from the National Institute for Environmental Studies* **70**: 91). Type-locality: {Japan} “Lake Chuzenji, Nikko National Park (Tochigi)”.

- kamidefea* (SASA & HIRABAYASHI, 1993): *Japanese Journal of Sanitary Zoology* **44**: 379 (*Prodiamesa*). Type-locality: {Nagano, Japan} “at the side of Lake Taisho”.
- depectinata** SÆTHER, 1973: *Journal of the Fisheries Research Board of Canada* **30**: 666 (*Monodiamesa*). Type-locality: [Canada] “Biscuit Harbour, Lake Winnipeg, Man.” [= Manitoba]. — Distr.: **NE**: Canada (Manitoba, Ontario), U.S.A. (Michigan, ?North Carolina, Ohio, Pennsylvania).
- ekmani** (BRUNDIN, 1949): *Reports from the Institute of Freshwater Research, Drottningholm* **30**: 828 (*Prodiamesa*; as “*Ekmani*”). Type-locality: {Sweden} “am Ufer des Vättern nördlich Gränna”. — Distr.: **PA**: Finland, France, Germany, Great Britain, Ireland, Mongolia, Norway, Sweden.
- improvisa** MAKARCHENKO, 1984: *Biologiya presnykh vod Dal'nego Vostoka*: 99 (*Monodiamesa*). Type-locality: [Russia, Far East] {SSSR} \*\*Primorskii krai, r. Ussuri v okrestnostyakh g. Lesozavodsk\*\* [= Primorskii Krai, River Ussuri in the vicinity of the town of Lesozavodsk]. — Distr.: **PA**: Russia (Far East).
- kamora** MAKARCHENKO & YAVORSKAYA, 2008: *Evraziatskii Entomologicheskii Zhurnal* **7**: 175 (*Monodiamesa*). Type-locality: {Russia, Far East} “Khabarovsk Territory, Nikolayevsk District, left bank of Amur River, Kamora River in environs of Nikolayevsk-on-Amur Town”. — Distr.: **PA**: Russia (Far East).
- mariae** ANDERSEN, 1996: *Revista Chilena de Entomologia* **23**: 44 (*Monodiamesa*). Type-locality: “Chile: XI Region, Provincia de Aisén, Puerto Aisén, Rio de los Palos”. — Distr.: **NT**: Chile. [Note]
- nigra** BRUNDIN, 1947: *Arkiv för Zoologi* **39A**: 46 (*Monodiamesa*). Type-locality: {Sweden} “Sm. See Innaren . . . auf Björkholmen”. — Distr.: **PA**: Germany, Sweden.
- nitida** (KIEFFER, 1918): *Entomologische Mitteilungen* **7**: 102 (*Prodiamesa*). Type-locality: “Ungarn” [= Hungary] || ► Type-locality: “Hongrie: Visegrád” in Kieffer, 1919: *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 133 ◀ ||. — Distr.: **PA**: Austria, France, Germany, Hungary, Italy, Russia (NET, Far East).

Senior primary homonym of *Prodiamesa nitida* Kieffer, 1919.

*nitida* (KIEFFER, 1919): *Annales Historico-Naturales Musei Nationalis Hungarici* **17**: 133 (*Prodiamesa*). Type-locality: “Hongrie: Visegrád”. Junior primary homonym of *Prodiamesa nitida* Kieffer, 1918.

**prolilobata** SÆTHER, 1973: *Journal of the Fisheries Research Board of Canada* **30**: 673 (*Monodiamesa*). Type-locality: [Canada] “Marion Lake, B.C.” [= British Columbia]. — Distr.: **NE**: Canada (British Columbia).

**tibetica** MAKARCHENKO, WU & WANG, 2008: *Russian Entomological Journal* **17**: 317 (*Monodiamesa*). Type-locality: “China, Shannan Plat, Zetang, alt. 3700 m, ZIB Tibet Expedition”. — Distr.: **PA**: China (Tibet).

**tuberculata** SÆTHER, 1973: *Journal of the Fisheries Research Board of Canada* **30**: 671 (*Monodiamesa*). Type-locality: [U.S.A., Illinois]. “Waukegan, Lake Michigan”. — Distr.: **NE**: Canada (British Columbia, Manitoba, Nunavut, Ontario), U.S.A. (Illinois, Indiana, Michigan, Ohio).

sp.: BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 65 (*Monodiamesa*). Locality: “Hochgebirgsseen von Peru”. — Distr.: **NT**: Peru.

sp. 1: ASHE, MURRAY & REISS, 1987: *Annales de Limnologie* **23**: 53 (*Monodiamesa*). Locality: “Taoyuan, Hunan Province, China”. — Distr.: **OR**: China (Hunan).

sp. 2: ASHE, MURRAY & REISS, 1987: *Annales de Limnologie* **23**: 53 (*Monodiamesa*). Locality: “Taoyuan, Hunan Province, China”. — Distr.: **OR**: China (Hunan).

#### Nomina dubia in MONODIAMESA

*chilensis* BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 216, 217 (*Monodiamesa*). Locality: “chilenischen Seegebiet [Chilean lakes region] . . . etwa 650 - 900 km südlich Santiago de Chile”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. [Note]

*chilensis* BRUNDIN, 1958: *Verhandlungen der Internationalen Vereinigung für Theoretische und Angewandte Limnologie* **13**: 291 (*Monodiamesa*). Locality: “South Andean

lakes". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.** [Note]

*patagonica* BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 367 (*Monodiamesa*). Locality: "South Chile - Patagonia". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.** [Note]

Genus **ODONTOMESA** PAGAST

**ODONTOMESA** PAGAST, 1947: *Archiv für Hydrobiologie* **41**: 502. Type-species: *Prodiamesa fulva* Kieffer, 1919, by original designation.

**ferringtoni** SÆTHER, 1986: *Spixiana Supplement* **11**: 25 (*Odontomesa*). Type-locality: "U.S.A., Colorado, Gunnison Co., East River". — Distr.: **NE**: U.S.A. (Colorado, Ohio).

**fulva** (KIEFFER, 1919): *Annales Historico-Naturalis Musei Nationalis Hungarici* **17**: 132 (*Prodiamesa*). Type-locality: "Hongrie: Budapest". — Distr.: **NE**: U.S.A. (Florida, Georgia, Illinois, Maine, Michigan, Mississippi, Montana, New Mexico, North Carolina, Pennsylvania, South Carolina, Wisconsin); **PA**: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Italy, Latvia, Luxembourg, Macedonia, Morocco, Netherlands, Norway, Poland, Romania, Russia (CET, NET, Far East), Slovakia, Spain, Sweden, Switzerland, Syria.

*nigripalpis* (GOETGHEBUER, 1922): *Annales de Biologie Lacustre* **11**: 52 (*Prodiamesa*). Type-locality: {Belgique} "Virton".

*flabellata* (KIEFFER in ZAVŘEL, 1926): *Acta Societatis Scientiarum Naturalium Moravo-Silesiaca* **3**: 264 (*Monodiamesa*). Type-locality: [Czech Republic, near Brno] [p. 267] "Ostrovačic".

*polysetica* (BOTNARIUC & CURE, 1956): *Analele Institutului de Cercetari Piscicole al Romaniei* **17**: 259 (*Cryptochironomus*). Type-locality: {Romania} "în râul

Cerna (1 km amonte Hunedoara)” [= in the River Cerna (1 km upstream from Hunedoara)].

*dospatica* (DIMITROV, 1963): *Izvestiya na opitnata Stantsiya po sladkovodno Ribarstvo Plovdiv* **2**: 13 (as “Orthoclaadiinae gen. ? 1.”). Locality: {Bulgaria} \*\*v r. Dospat (pritok na r. Mesta)\*\* [= in the River Dospat (tributary of the River Mesta)]. Name not made available - not published in combination with a generic name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

*nearctica* SÆTHER, 1986: *Spixiana Supplement* **11**: 20 (*Odontomesa*; as subspecies of *fulva* Kieffer, 1919). Type-locality: “U.S.A., Georgia, Rockdale Co., Millrock Branch at Horalson Mill Road”.

? *obscurimana* (MEIGEN, 1830): *Systematische Beschreibung* **6**: 248 (*Chironomus*). Type-locality: [Title] “europäischen” [= European]. **Questionable synonym.**

**lutosopra** (GARRETT, 1925): *Seventy New Diptera: 7 (Prodiamesa)*. Type-locality: [Canada] “Cranbrook, B.C.” [= British Columbia]. — Distr.: **NE**: Canada (British Columbia).

sp.: BRUNDIN, 1966: *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**: 367 (*Odontomesa*). Locality: [India] “Rangeet River near Darjeeling in East Himalaya”. — Distr.: **OR**: India (West Bengal).

#### Genus **PRODIAMESA** KIEFFER

**PRODIAMESA** KIEFFER, 1906: *Genera Insectorum* **42**: 37. Type-species: *Diamesa praecox* Kieffer, 1900 [= *Chironomus olivaceus* Meigen, 1818], by original designation.

**TRICHODIAMESA** GOETGHEBUER, 1926: *Encyclopédie Entomologique, B-II, Diptera* **3**: 45. Type-species: *Trichodiamesa autumnalis* Goetghebuer, 1926 [= *Chironomus olivaceus* Meigen, 1818], by monotypy. Synonymized with *Prodiamesa* Kieffer, 1906, by Sæther (1986: *Spixiana Supplement* **11**: 10). [**Note**]

**buerschii** MICHAILOVA, 1977: *Zoologische Beiträge* **23**: 388 (*Prodiamesa*). Type-locality:

[Bulgaria] “in der gewässern um Pantscharevo (Bez Sofia) gesammelt”. —  
Distr.: **PA**: Bulgaria.

**cubita** GARRETT, 1925: *Seventy New Diptera: 7 (Prodiamesa)*. Type-locality: [Canada]  
“Fernie, B.C.” [= British Columbia]. — Distr.: **NE**: Canada (British Columbia);  
**PA**: ?China (Tibet).

**delphinensis** SERRA-TOSIO, 1964: *Travaux du Laboratoire d'Hydrobiologie et de  
Pisciculture de l'Université de Grenoble* **56**: 53 (*Prodiamesa*). Type-locality:  
[France] “l'étang de Jarrie, près de Grenoble (Isère)”. — Distr.: **PA**: Austria,  
France, Germany, Italy.

**levanidovae** MAKARCHENKO, 1982: *Zoologicheskii Zhurnal* **61**: 305 (*Prodiamesa*). Type-  
locality: [Russia, Far East] \*\*Evreiskaya avtonomnaya obl., oz. Teploe  
basseina R. Bira (levyi pritok r. Amur)\*\* [= Evreiskaya Autonomous Oblast,  
Lake Teploe basin, River Bira (tributary of the River Amur)]. — Distr.: **PA**:  
China (Ningxia), Japan, Russia (Far East).

*nagaii* SASA & KAWAI, 1985: *Bulletin of the Toyama Science Museum* **7**: 13  
(*Prodiamesa*). Type-locality: [Japan] “bank of Kumano River, Toyama”.

*otukii* SASA & TANAKA, 2000: *Annual Report of the Gunma Prefecture Institute of  
Public Health and Environmental Sciences* **32**: 43 (*Prodiamesa*). Type-locality:  
{Japan, Tone River, Gunma Prefecture} “Tosui Bridge”.

*toneheia* SASA & TANAKA, 2000: *Annual Report of the Gunma Prefecture Institute  
of Public Health and Environmental Sciences* **32**: 42 (*Prodiamesa*). Type-  
locality: {Japan, Tone River, Gunma Prefecture} “Fukushima Bridge”.

**olivacea** (MEIGEN, 1818): *Systematische Beschreibung* **1**: 29 (*Chironomus*). Type-locality:  
[Germany] “Hessen”. — Distr.: **NE**: Greenland, U.S.A. (Colorado, Georgia,  
Maine, Massachusetts, Michigan, New Jersey, North Carolina, Ohio,  
Pennsylvania, South Carolina, Tennessee); **PA**: Albania, Andorra, Armenia,  
Austria, Belgium, Bulgaria, China (Gansu, Jilin, Liaoning, Ningxia), Croatia,  
Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany,  
Great Britain, Greece, Hungary, Ireland, Italy, Kaliningrad, Lebanon,

- Luxembourg, Macedonia, Moldova, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, SET, East Siberia, Far East), Slovakia, Spain, Sweden, Switzerland, Syria, Turkey, ¶Yugoslavia. [Note]
- scutellata* (MEIGEN, 1818): *Systematische Beschreibung* **1**: 33 (*Chironomus*). Type-locality: [Germany] “Hessen”.
- turpis* (ZETTERSTEDT, 1838): *Insecta Lapponica* [Heft 3]: 811 (*Chironomus*). Type-locality: [Sweden] “in Lapponia Tornensi . . . (Lapponia; Botnia borealis . . . prope Tornoam”. [Note]
- notata* (STAEGER, 1839): *Naturhistorisk Tidsskrift* (1) **2**: 583 (*Diamesa*). Type-locality: {Danmark} “Ordrupsmose”. [Note]
- consobrinus* (ZETTERSTEDT, 1850): *Diptera Scandinaviae disposita et descripta* **9**: 3599 (*Tanypus*). Type-localities: [Sweden] “in Jemtlandia boreali . . . in alpihus Mulfjellen”; “ad Christianiam Norwegiae”; [Norway] “ad Suulstuen Værdaliae”. [Christianiam = Oslo]. [Note]
- nudipes* (ZETTERSTEDT, 1850): *Diptera Scandinaviae disposita et descripta* **9**: 3602 (*Tanypus*). Type-localities: “In Norwegia & [Finland] Bottnia boreali . . . [Norway] in Töien prope Christianiam” [= Oslo]; [Sweden] “Lapponico Lulensi”.
- convestita* (WALKER, 1856): *Insecta Britannica, Diptera* **3**: 177 (*Chironomus*). Type-locality: “(E.)” [= England].
- obdita* (WALKER, 1856): *Insecta Britannica, Diptera* **3**: 181 (*Chironomus*). Type-locality: “(E.)” [= England].
- perpessa* (WALKER, 1856): *Insecta Britannica, Diptera* **3**: 178 (*Chironomus*). Type-locality: “(E.)” [= England].
- praecox* (KIEFFER, 1900): *Annales de la Société Entomologique de France* **68**: 829 (*Diamesa*). Type-locality: [France, Lorraine] “Bitche”.
- occidentalis* (COQUILLET, 1902): *Proceedings of the United States National Museum* **25**: 92 (*Tanypus*). Type-locality: [U.S.A.] “Colorado”.
- ichtyobrota* KIEFFER, 1909: *Bulletin de la Société d’Histoire Naturelle de Metz* **26**:



39 (*Prodiamesa*; as “*Ichtyobrota*”). Type-locality: [Title] “Allemagne” [= Germany].

*verna* KIEFFER, 1918: *Entomologische Mitteilungen* **7**: 103 (*Prodiamesa*; as nom. nov. for *Prodiamesa praecox* Kieffer, 1900 nec *Tanypus praecox* Meigen, 1818 when both in *Prodiamesa* Kieffer). **Syn. nov.** [Note]

*autumnalis* (GOETGHEBUER, 1926): *Encyclopédie Entomologique, B-II, Diptera* **3**: 46 (*Trichodiamesa*). Type-locality: [Belgium] “Bullange (Malmédy)”.

**rufovittata** GOETGHEBUER, 1932: *Faune de France* **23**: 151 (*Prodiamesa*; as nom. nov. for *chiron* sensu Goetghebuer, 1932 nec Haliday, 1856). Type-localities: “Angleterre; Belgique”. — Distr.: **PA**: Austria, Belgium, Bulgaria, Denmark, France, Germany, Great Britain, Hungary, Ireland, Italy, Macedonia, Netherlands, Poland, Romania, Russia (CET, East Siberia), Slovakia, ¶Yugoslavia.

*rufovittata*: **Not Neotropical.**

sp.: ROBACK, 1966: *Monographs of the Academy of Natural Sciences of Philadelphia* **14**: 320 (*Prodiamesa (Prodiamesa)*). Locality: {Peru, near Iquitos} “Nanay”. — Distr.: **NT**: Peru.

#### SUBFAMILY TELMATOGETONINAE

**TELMATOGETONINAE** WIRTH, 1949: *University of California Publications in Entomology* **8**: 166 (originally as Tribe Telmatogetonini). Type-genus: *Telmatogeton* Schiner, 1867.

#### Genus TELMATOGETON SCHINER

**TELMATOGETON** SCHINER, 1867: *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **16**: 931. Type-species: *Telmatogeton sanctipauli* Schiner, 1867 (as “*St. Pauli*”), by original designation. Senior homonym of *Telmatogeton* Schiner, 1868. [Note]

*TELMATOGEN*: incorrect subsequent spelling.

*TELMATOGETON* SCHINER, 1868: *Reise der Österreichischen Fregatte Novara, Diptera* **2**: 25. Type-species: *Telmatogeton sanctipauli* Schiner, 1867 (as “*St. Pauli*” & as “*Scti. Pauli*”), by original designation. Junior homonym of *Telmatogeton* Schiner, 1867. Synonymized with *Telmatogeton* Schiner, 1867, by Wirth (1947: *Proceedings of the Hawaiian Entomological Society* **13**: 145).

*HALIRYTUS* EATON, 1875: *Entomologist's Monthly Magazine* **12**: 60. Type-species: *Halirytus amphibius* Eaton, 1875, by monotypy. Synonymized with *Telmatogeton* Schiner, 1867, by Sublette & Wirth (1980: *New Zealand Journal of Zoology* **7**: 309).

*PSAMATHIOMYA* DEBY, 1889: *Journal of the Royal Microscopical Society* **1889**: 181. Type-species: *Psamathiomya pectinata* Deby, 1889, by monotypy. Synonymized with *Telmatogeton* Schiner, 1867, by Sublette & Wirth (1980: *New Zealand Journal of Zoology* **7**: 309).

*PSAMATHIOMYIA*; *PSAMMATHIOMYA*: incorrect subsequent spellings.

*JACOBSIELLA* RÜBSAAMEN, 1906: *Résultats du voyage S.Y. Belgica en 1897-99*: 83. Type-species: *Belgica magellanica* Jacobs, 1900, by monotypy. Synonymized with *Telmatogeton* Schiner, 1867, by Sublette & Wirth (1980: *New Zealand Journal of Zoology* **7**: 309).

*PARACLUNIO* KIEFFER, 1911: *Bulletin de la Société d'Histoire Naturelle de Metz* **27**: 103. Type-species: *Paraclunio trilobatus* Kieffer, 1911, by original designation. Synonymized with *Telmatogeton* Schiner, 1867, by Cranston (1989: *Entomologica Scandinavica Supplement* **34**: 18).

*CHARADROMYIA* TERRY, 1913: *Proceedings of the Hawaiian Entomological Society* **2**: 292. Type-species: *Charadromyia torrenticola* Terry, 1913, by original designation. Synonymized with *Telmatogeton* Schiner, 1867, by Edwards (1928: *Konowia* **7**: 236).

*TRISSOCLUNIO* KIEFFER, 1920: *Annals of the South African Museum* **17**: 523. Type-species: *Paraclunio fuscipennis* Kieffer, 1914 [= *Telmatogeton sanctipauli* Schiner, 1867], by original designation. Synonymized with *Telmatogeton* Schiner, 1867, by Edwards (1928: *Konowia* **7**: 236).

*PSAMMATHIOMYIA* EDWARDS, 1929: *Transactions of the Entomological Society of*

*London* **77**: 371. Unjustified emendation. Synonymized with *Telmatogeton* Schiner, 1867, by Ashe (1983: *Entomologica Scandinavica Supplement* **17**: 45).

**abnormis** (TERRY, 1913): *Proceedings of the Hawaiian Entomological Society* **2**: 295 (*Charadromyia*). Type-locality: {Hawaiian Islands} “Kilauea, Kauai”. — Distr.: **OC**: Hawaiian Islands (Kauai Island, Oahu Island).

*abnorme*: incorrect subsequent spelling.

**alaskense** COQUILLET, 1900: *Proceedings of the Washington Academy of Sciences* **2**: 395 (*Telmatogeton*; as “*alaskensis*”). Type-locality: [U.S.A.] “Yakutat, Alaska”. — Distr.: **NE**: Canada (British Columbia), Mexico (#), U.S.A. (Alaska, California, Oregon, Washington).

**amphibius** (EATON, 1875): *Entomologist's Monthly Magazine* **12**: 60 (*Halirytus*). Type-locality: {Insulae Kerguelensi} “Habitat inter *Enteromorpha* ab æstu maris ex consuetudine inundatam”. — Distr.: **AN**: Crozet Islands, Kerguelen Islands, Prince Edward Islands.

**antipodensis** SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 310 (*Telmatogeton*). Type-locality: {New Zealand} “Antipodes I., Stella Bay, splash zone”. — Distr.: **AU**: New Zealand (Antipodes Island).

**atlanticum** OLIVEIRA, 1950: *Memórias do Instituto Oswaldo Cruz* **48**: 470 (*Telmatogeton*). Type-locality: “Praia do Leste, Ilha Guaíba, Baía de Sepetiba, Oceano Atlantico, Estado do Rio de Janeiro, Brasil”. — Distr.: **NT**: Brazil.

**australicus** WOMERSLEY, 1936: *Records of the South Australian Museum* **5**: 437 (*Telmatogeton*). Type-locality: {Australia} “Sellick's Beach, South Australia”. — Distr.: **AU**: Australia (South Australia, Victoria, Western Australia).

**eshu** OLIVEIRA, 2000: *Late 20th century research on Chironomidae*: 197 (*Telmatogeton*). Type-locality: “Praia Grande, Torres, Rio Grande do Sul, Brazil”. — Distr.: **NT**: Brazil.

**fluviatilis** WIRTH, 1947: *Proceedings of the Hawaiian Entomological Society* **13**: 166 (*Telmatogeton*). Type-locality: {Hawaiian Islands} “Kipapa, Oahu”. — Distr.: **OC**: Hawaiian Islands (Oahu Island).

- hirtus** WIRTH, 1947: *Proceedings of the Hawaiian Entomological Society* **13**: 158 (*Telmatogeton*). Type-locality: {Hawaiian Islands} “Wainiha stream, Kauai”. — Distr.: **OC**: Hawaiian Islands (Kauai Island).
- japonicus** TOKUNAGA, 1933: *Philippine Journal of Science* **51**: 95 (*Telmatogeton*). Type-locality: “Japan . . . Karo, Tottori Prefecture”. — Distr.: **NE**: Canada (Newfoundland), U.S.A. (Florida, Georgia, Louisiana, New York, North Carolina, Texas); **PA**: Azores, Belgium, China (Shandong), Denmark, Germany, Ireland, Japan, Madeira, Netherlands, Norway, Poland, Sweden; **OR**: China (Zhejiang); **AU**: Australia (New South Wales, South Australia, Victoria, Western Australia); **OC**: Hawaiian Islands.
- remanei* REMMERT, 1963: *Zoologischer Anzeiger* **171**: 165 (*Telmatogeton*). Type-locality: [Germany] “Bülk, bei Kiel”.
- gedanensis* SZADZIEWSKI, 1977: *Polskie Pismo Entomologiczne* **47**: 177 (*Telmatogeton*). Type-locality: {Poland} “Baltic Sea, Gdańsk Bay, shore in Gdynia-Orłowo”.
- latipenne** WIRTH, 1949: *University of California Publications in Entomology* **8**: 172 (*Telmatogeton*). Type-locality: {Mexico} “Socorro Island, Braithwaite Bay, Revillagigedo Islands”. — Distr.: **NT**: Mexico (Revillagigedo Islands).
- macquariensis** (BRUNDIN, 1962): *Pacific Insects* **4**: 945 (*Halirytus*). Type-locality: “Nuggets Point, Macquarie I.”. — Distr.: **AU**: Macquarie Island.
- macswaini** WIRTH, 1949: *University of California Publications in Entomology* **8**: 170 (*Telmatogeton*). Type-locality: {U.S.A.} “Point Cabrillo, Mendocino County, California”. — Distr.: **NE**: U.S.A. (California).
- magellanicus** (JACOBS, 1900): *Annales de la Société Entomologique de Belgique* **44**: 107 (*Belgica*). Type-locality: “Baie du Grande-Glacier, Terre de Feu, Canal anglais, Magellanes, Chili”. — Distr.: **AN**: Antarctica; **NT**: Chile.
- minor** (KIEFFER, 1914): *Annals of the South African Museum* **10**: 260 (*Paraclunio*). Type-locality: {South Africa} “Cape Town”. — Distr.: **AF**: Namibia, South Africa.
- minus*: incorrect subsequent spelling.

**mortoni** LEADER, 1975: *New Zealand Journal of Zoology* **2**: 209 (*Telmatogeton*). Type-locality: {New Zealand} “Goat Island Bay, Leigh, Auckland Prov.”. — Distr.: **AU**: New Zealand (North Island).

**murrayi** SÆTHER, 2009: *Aquatic Insects* **31**: 32 (*Telmatogeton*). Type-locality: “ICELAND: Dyrhólaey, seafront at the most southerly coastal promontory of Iceland”. — Distr.: **PA**: Iceland.

**nanum** OLIVEIRA, 1950: *Memórias do Instituto Oswaldo Cruz* **48**: 472 (*Telmatogeton*). Type-locality: “Praia da Barra, Cidade do Salvador, Estado da Bahia, Brasil”. — Distr.: **NT**: Brazil.

**pacificus** TOKUNAGA, 1935: *Mushi* **8**: 15 (*Telmatogeton*). Type-locality: {Japan} “Seto, Wakayama Prefecture”. — Distr.: **PA**: Japan; **OR**: Japan (Ryukyu Archipelago); **OC**: Hawaiian Islands (Hawaii Island, Kauai Island, Oahu Island).

**pectinatus** (DEBY, 1889): *Journal of the Royal Microscopical Society* **1889**: 182 (*Psamathiomya*). Type-locality: “Biarritz, in the South of France”. — Distr.: **PA**: France, Great Britain. [Note]

**pusillum** EDWARDS, 1933: *Bernice P. Bishop Museum Bulletin* **114**: 88 (*Telmatogeton*). Type-locality: {Marquesas} “Eiao: Vaituha”. — Distr.: **OC**: French Polynesia (Marquesas); Northern Marianas.

**sanctipauli** SCHINER, 1867: *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **16**: 931 (*Telmatogeton*; as “*St. Pauli*”). Type-locality: “St. Paul” [= St Paul Island]. — Distr.: **AN**: New Amsterdam Island, St Paul Island; **AF**: Gough Island, South Africa, Tristan da Cunha. [Note]

*St. Pauli*: incorrect original spelling.

*sanctipauli* SCHINER, 1868: *Reise der Österreichischen Fregatte Novara, Diptera* **2**: 25 (*Telmatogeton*; as “*St. Pauli*” and in Figure legend as “*Scti. Pauli*”). Type-locality: “Insel St. Paul”.

*St. Pauli*; *Scti. Pauli*: incorrect original spellings.

- fuscipennis* (KIEFFER, 1914): *Annals of the South African Museum* **10**: 259  
(*Paraclunio*). Type-locality: {South Africa} “Cape Town”. [Note]
- simplicipes** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 307  
(*Telmatogeton*). Type-locality: [Chile] “Ancud”. — Distr.: **NT**: Chile.
- spinosus** (HASHIMOTO, 1973): *Annotationes Zoologicae Japonenses* **46**: 266 (*Paraclunio*).  
Type-locality: [U.S.A.] “Aliso Beach, California”. — Distr.: **NE**: U.S.A.  
(California).
- torrenticola** (TERRY, 1913): *Proceedings of the Hawaiian Entomological Society* **2**: 292  
(*Charadromyia*). Type-localities: {Hawaiian Islands} “Nahiku, Maui (400-800  
ft.)”; “Lahaina, Maui (1000 ft.)”; “Kohala, Hawaii (1200-1500 ft.)”. — Distr.:  
**OC**: Hawaiian Islands (Hawaii Island, Maui Island, Molokai Island).
- trilobatus** (KIEFFER, 1911): *Bulletin de la Société d’Histoire Naturelle de Metz* **27**: 105  
(*Paraclunio*). Type-locality; [U.S.A.] “en Californie, sur des rochers marins, où  
il vivait en société de Mollusques du genre *Haliotis*”. — Distr.: **NE**: U.S.A.  
(California, Oregon, Washington).
- trochanteratum** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 305  
(*Telmatogeton*). Type-locality: [Chile] “Ancud”. — Distr.: **NT**: Chile.
- williamsi** WIRTH, 1947: *Proceedings of the Hawaiian Entomological Society* **13**: 162  
(*Telmatogeton*). Type-locality: {Hawaiian Islands} “Waianae, Oahu”. — Distr.:  
**OC**: Hawaiian Islands (Oahu Island).
- n. spec.: NEWMAN, 1977: *Chromosoma (Berlin)* **64**: 362 (*Telmatogeton*). Localities:  
{Hawaiian Islands} “East Maui . . . in Hoolawa and Kaaiea Streams . . . in  
Kopiliula, Hanawi, and Paakea Streams”. — Distr.: **OC**: Hawaiian Islands  
(Maui Island).
- sp.: DELETTRE, FRENOT, VERNON & CHOWN, 2003: *Polar Biology* **26**:  
(*Telmatogeton*). Locality: “Spit Bay and Atlas Cove sides of Heard Island”. —  
Distr.: **AN**: Heard Island.

Genus **THALASSOMYA** SCHINER

**THALASSOMYA** SCHINER, 1856: *Verhandlungen des Zoologisch-Botanischen Vereins in Wien* **6**: 219. Type-species: *Thalassomya frauenfeldi* Schiner, 1856, by original designation.

*THALASSOMYIA* SCHINER, 1868: *Reise der Österreichischen Fregatte Novara, Diptera* **2**: 24. Unjustified emendation. Synonymized with *Thalassomya* Schiner, 1856, by Wirth (1949: *University of California Publications in Entomology* **8**: 166).

*SCOPELODROMUS* CHEVREL, 1903: *Archives de Zoologie Expérimentale et Générale* (4<sup>e</sup> Série) **1**: 1. Type-species: *Scopelodromus isemerinus* Chevrel, 1903 [= *Thalassomya frauenfeldi* Schiner, 1856], by original designation & monotypy. Synonymized with *Thalassomya* Schiner, 1856, by Chevrel (1903: *Archives de Zoologie Expérimentale et Générale* (4<sup>e</sup> Série) **2**: xxxiv).

*GALAPAGOMYIA* JOHNSON, 1924: *Zoologica* (New York) **5**: 86. Type-species: *Galapagomyia longipes* Johnson, 1924, by original designation (as gen. n., sp. n.). Synonymized with *Thalassomya* Schiner, 1856, by Edwards (1926: *Proceedings of the Zoological Society of London* **1926**: 786).

**africana** EDWARDS, 1926: *Proceedings of the Zoological Society of London* **1926**: 787 (as “*Thalassomyia*”). Type-locality: [Tanzania] “Tanganyika : Dar-es-Salaam”. — Distr.: **AF**: Madagascar, Mozambique, Tanzania; **OC**: French Polynesia (Marquesas Islands).

**bureni** WIRTH, 1949: *University of California Publications in Entomology* **8**: 167 (*Thalassomya*). Type-locality: {U.S.A.} “Miami Beach, Florida”. — Distr.: **NE**: U.S.A. (Florida, Kentucky, Mississippi, North Carolina); **NT**: Mexico (#), Panama, “West Indies”. [**Note**]

**cocosensis** HASHIMOTO, 1979: *Annotationes Zoologicae Japonenses* **52**: 272 (as “*Thalassomyia*”). Type-locality: “Cocos Island, Costa Rica”. — Distr.: **NT**: Costa Rica (Cocos Island).

**frauenfeldi** SCHINER, 1856: *Verhandlungen des Zoologisch-Botanischen Vereins in Wien* **6**: 219 (*Thalassomya*). Type-locality: [Italy] “Triest” [= Trieste]. — Distr.: **NT**:

?Uruguay; **PA**: Azores, Bulgaria, Canary Islands, Corsica, Croatia, France, Germany, Great Britain, Greece, Italy, Ireland, Madeira, Montenegro, Romania, Spain, Ukraine. [**Note**]

*pedestris* (WOLLASTON, 1858): *Annals and Magazine of Natural History* (3) **1**: 114 (as “*Cheironomus*”). Type-localities: {Madeira} “Inhabits the Dezerta Grande; occurring also, I believe, on the Southern Dezerta and in Porto Santo”.

**Preoccupied.** Junior primary homonym of *Chironomus pedestris* Meigen, 1830.

*luteipes* STROBL, 1900: *Wien Entomologische Zeitung* **19**: 173 (as “*Thalassomyia*”, as var. of “*Frauenfeldi*”). Type-locality: {Spain} “Am Strande bei Algeciras”.

*isemerina* (CHEVREL, 1903): *Archives de Zoologie Expérimentale et Générale* (4<sup>e</sup> Série) **1**: 1 (*Scopelodromus*). Type-locality: {France} [p.28] “Saint Briac (Ille-et-Vilaine), sur la baie de Saint-Malo”.

*pedisequus* (KIEFFER, 1906): *Genera Insectorum* **42**: 21 (*Chironomus*; as nom. nov. for *Chironomus pedestris* Wollaston, 1858 nec *Chironomus pedestris* Meigen, 1830). [**Note**]

*pediserua*: incorrect subsequent spelling.

*canariensis* (SANTOS-ABREU, 1918): *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**: 167 (*Scopelodromus*). Type-locality: {Canary Islands} “en el litoral de la isla de la Palma . . . Santa Cruz de la Palma , . . . el litoral de la Isla y hasta en la Dehesa de la Encarnatióán, situada a más de 200 metros sobre el nivel del mar” [Lectotype designated in Cranston & Armitage, 1988: *Deutsche Entomologische Zeitschrift, N. F.* **35**: 342, “Canary Islands: La Palma, Santa Cruz de la Palma”].

**japonica** TOKUNAGA & ETSUKO in TOKUNAGA & KOMYO, 1955: *Publications of the Seto Marine Biological Laboratory* **4**: 364 (as “*Thalassomyia*”). Type-locality: “Nakanoshima, Tokara Islands, Ryukyu, Japan”. — Distr.: **PA**: China (Shandong); **OR**: Japan (Ryukyu Islands).

**longipes** (JOHNSON, 1924): *Zoologica* (New York) **5**: 86 (*Galapagomyia*). Type-locality:



{Galapagos Islands} “Seymour Bay, Indefatigable”. — Distr.: **NT**: Galápagos Islands, Mexico (Tres Marias Islands).

**maritima** WIRTH, 1947: *Proceedings of the Hawaiian Entomological Society* **13**: 131 (as “*Thalassomyia*”). Type-locality: “Hong Kong, China”. — Distr.: **OR**: China (Hong Kong); **AU**: Belau, New Caledonia; **OC**: Federated States of Micronesia, Guam, Northern Marianas, Marshall Islands, Western Samoa.

**pilipes** EDWARDS, 1928: *Insects of Samoa* **6**: 60 (as “*Thalassomyia*”). Type-locality: {American Samoa} “Tutuila: Leone Road”. — Distr.: **NT**: Galápagos Islands, Mexico (Revillagigedo Islands); **NE**: Mexico (Baja California); **OR**: China (Hong Kong); **AU**: Vanuatu; **OC**: American Samoa, French Polynesia (Marquesas). [**Note**]

**reissi** OLIVEIRA, 2000: *Spixiana* **23**: 117 (*Thalassomya*). Type-locality: “Kenya, Amboseli Natl Park, Amboseli Lodge”. — Distr.: **AF**: Kenya.

**sabroskyi** TOKUNAGA, 1964: *Insects of Micronesia* **12**: 542 (as “*Thalassomyia*”). Type-locality: “Melekeiok, Babelthuap I., Palau Is.”. — Distr.: **AU**: Belau; **OC**: Micronesia.

**setosipennis** WIRTH, 1947: *Proceedings of the Hawaiian Entomological Society* **13**: 121 (as “*Thalassomyia*”). Type-locality: {Hawaiian Islands} “Hilo, Hawaii”. — Distr.: **OC**: Hawaiian Islands (Hawaii Island, Kauai Island).

NOTES

- ABLABESMYIINI* HENNIG, 1950: The tribe name *Ablabesmyiini* appears to have been first used by Hennig (1950: 239, originally as “*Ablabesmiini*”) but was proposed in synonymy with the newly created tribe **Pentaneurini** Hennig (1950: 239) and is therefore an unavailable name.
- abrupta* (GARRETT, 1925), **Nomina dubia probably in PROCLADIUS (HOLOTANYPUS)**: The type-locality may not be “Cranbrook, B. C.” as given in Garrett (1925) because Roback (1971: 195) says the holotype is labelled “Fort Street, B. C.” which may be Fort Street in the city of Victoria on Vancouver Island in British Columbia.
- aequidensi* ŞAHİN, 1987, **Nomina dubia in ABLABESMYIA**: The species *A. aequidensi* is described only in the larval stage and needs to be reared and described as a pupa and adult male to ensure that it is a separate species and not one of the other *Ablabesmyia* species known from the region.
- africana* (KIEFFER, 1918), **Nomina dubia in ABLABESMYIA**: The species *A. africana* is not in either the Afrotropical Catalogue (Freeman & Cranston, 1980) or the Palaearctic Catalogue (Ashe & Cranston, 1990) and no description earlier than 1918 has been found. Since no type-locality was specified in Kieffer (1918), it is not possible to say where it was from. The only other mention of the name that has been found is Mueller (1923: 106; 1924: 106) who records it from “Triest, Gardasee” but whether or not this has any relevance is unclear.
- alaskensis* (MALLOCH, 1919), **DEROTANYPUS**: A specific type-locality is not given in the original description by Malloch (1919). However, Roback (1971: 94-95) redescribed the species and lists the type-localities.
- albipennis* (KIEFFER, 1918), questionable synonym of **PSEUDODIAMESA (PSEUDODIAMESA) nivosa** (GOETGHEBUER, 1928): Both descriptions of *Syndiamesa albipennis* were published on page 104 in different publications in 1918.
- albipes* (FRIES, 1823), synonym of **THIENEMANNIMYIA carnea** (FABRICIUS, 1805): The correct page on which *albipes* is described is 16 and not 11 as given in Ashe & Cranston (1990: 134).
- alica* (YAN, YE & WANG, 1979), Questionable synonym of **PSEUDODIAMESA (PSEUDODIAMESA) nivosa** (GOETGHEBUER, 1928): The species *alica* is missing from the Palaearctic Catalogue of Ashe & Cranston (1990).
- altaicola* LIPINA, 1949, **Nomina dubia probably in DIAMESINAE**: The species *altaicola* is missing from the Palaearctic Catalogue of Ashe & Cranston (1990).
- alternis* ŞAHİN, 1987, **Nomina dubia in POTTHASTIA**: The species *P. alternis* is described only in the larval stage and needs to be reared and described as a pupa and adult male to ensure that it is a separate species and not one of the other *Potthastia* species known from the region.
- americanus* KIEFFER, 1923, synonym of **TANYPUS (TANYPUS) stellatus** COQUILLET, 1902: This species is included in the Nearctic Catalog of Sublette & Sublette (1965: 150) as a synonym of *Tanypus punctipennis* Meigen

but is missing from the more recent Nearctic Catalog of Oliver *et al.* (1990). It is mentioned briefly under *punctipennis* in Roback (1971: 64) who states “status uncertain, probably female of *stellatus*”. We accept Roback’s opinion and change its status to a new synonym of *Tanypus (Tanypus) stellatus* Coquillett.

**andina** BRUNDIN, 1966, **PODONOMOPSIS**: An incorrect original spelling as *andinus* in Brundin (1966) but changed to *andina* in Spies & Reiss (1986). The reason is that all zoological generic names ending in the Greek-derived suffix *-opsis* are feminine and the gender of the species must be changed to *andina* (adjective with female ending).

*angustimentum* CHERNOVSKII, 1949, **Nomina dubia in DIAMESINAE**: The species description, in a key, begins at the bottom of page 105 and continues onto page 106 where the species name is first given. Page 106 is therefore considered to be the correct page to cite.

*annulata* (LINNAEUS, 1767), Questionable senior synonym of **TANYPUS punctipennis** MEIGEN, 1818: See next note on *Ablabesmyia (Asayia) annulata* (Say).

**annulata** (SAY, 1823), **ABLABESMYIA (ASAYIA)**: Linnaeus (1767) described a new species which he named *Tipula annulata* which is now in the genus *Tanypus* as a questionable senior synonym of *Tanypus punctipennis* Meigen (1818). Say (1823) described a new species which he named *Tanypus annulatus* which is now in the genus *Ablabesmyia (Asayia)*. The name *Tanypus annulatus* Say is therefore a junior secondary homonym of *Tanypus annulatus* (Linnaeus). However, because the two homonyms have not been placed in the same genus since 1899 and no replacement name was proposed before 2000 then Article 23.9.5 of the Zoological Code (ICZN, 1999, 4th Edition) applies which prohibits replacing the junior homonym without an ICZN decision.

*annulatus* BRUNDIN, 1964, **Nomina dubia in PAROCHLUS**: The name *P. annulatus*, used in Brundin (1964) is a nomen nudum and a nomen dubium. The name was not used in Brundin (1966) but it was evidently intended to be used for one of the 10 New Zealand *Parochlus* species but it is not possible to identify which species name Brundin (1966) used instead of *annulatus*.

**annulipes** PHILIPPI, 1866, **HEPTAGYIA**: The year of publication of *Heptagyia annulipes* Philippi is changed from 1865 to 1866 – see note in the Bibliography on Philippi (1866).

**apicina** EDWARDS, 1931, **Generically unplaced valid MACROPELOPIINI**: In the Neotropical Catalog (Spies & Reiss, 1996: 82), *apicina* is listed as an “Unplaced valid species in Tanypodinae” but included here as a generically unplaced valid species of Macropelopiini. Freeman (1959) states that *apicinella* Freeman (from New Zealand) is very similar to *apicina* Edwards (from Argentina and Chile).

**apicinella** FREEMAN, 1959, **Generically unplaced valid MACROPELOPIINI**: See note above on *apicina* Edwards.

**appropinquatus** (LUNDSTRÖM in POPPIUS, LUNDSTRÖM & FREY, 1917),

- PROCLADIUS (HOLOTANYPUS)**: In the Palaearctic Catalogue of Ashe & Cranston (1990: 118), the year of publication was incorrectly given as 1916 but 1917 is the correct year.
- araucanus** BRUNDIN, 1966, **PAROCHLUS**: Brundin (1966: 140) indicates that the records of *kiefferi* (Garrett) from the Juan Fernández Islands off Chile in Wirth (1952: 94, sub *Podonomus*) and the records of *peregrinus* (Edwards), a junior synonym of *kiefferi*, from Argentina and Chile in Edwards (1931: 256, sub *Podonomus*) are all misidentifications of *Parochlus araucanus*.
- arctica** (MALLOCH, 1919), **PSEUDODIAMESA (PACHYDIAMESA)**: The type-locality of *arctica* (Malloch, 1919) is on Victoria Island where the boundary line between the Northwest Territories and Nunavut passes through the Wollaston Peninsula. Dr Bohdan Bilyj (pers. comm. to P. Ashe) has kindly determined that the Colville Mountains are on the Nunavut side of the boundary and the exact locality where the expedition was based, and collected the specimen of *arctica* on the 22 July 1915, was Lake Anmalloqtoq.
- arundineti** (LINNAEUS, 1760), Questionable synonym of **CONCHAPELOPIA melanops** (MEIGEN, 1818): The date of publication of the Linnaeus work, which contains the description of *arundineti*, is 1760 as given in Evenhuis (1997: 480) and not 1761 as given in Ashe & Cranston (1990: 129).
- astictus** KIEFFER, 1924, **Nomina dubia probably in PROCLADIINI**: The correct spelling is *astictus* and not *asticus* as given in the Palaearctic Catalogue (Ashe & Cranston, 1990: 121).
- atratus** (KIEFFER, 1910), **CLINOTANYPUS**: In Kieffer (1910) *atratus* is described as a species and not as a variety of *fuscosignatus* as given in Sublette & Sublette (1973: 390).
- atrinervis** KIEFFER, 1918, **Nomina dubia in MACROPELOPIA**: In the first description of *atrinervis* the type-locality is given as “Ungarn” [= Hungary] but it is clear from the second description that this means the Austro-Hungarian Empire of 1918 which then included Croatia.
- atrocincta** (GOETGHEBUER, 1942), **LARSIA**: The species description begins on page 9 and not on page 10 as given in Ashe & Cranston (1990: 131).
- aurea** JOHANNSEN, 1907, **Nomina dubia in PENTANEURINI**: According to Roback (1971: 283) the species *Ablabesmyia aurea* Johannsen probably belongs either to the genus *Conchapelopia* or *Thienemannimyia*.
- australicus** WOMERSLEY, 1936, **TELMATOGETON**: The species description begins on page 441 and not page 437 as given in Cranston & Martin (1989: 257).
- baicalensis** CHERNOVSKII, 1949, **DIAMESA**: Originally described based on the larval stage in Chernovskii (1949) and therefore considered as a nomen dubium in Diamesinae in Ashe & Cranston (1990) which had a 1983/1984 cut-off date for included information. Subsequently Makarchenko (1987) described the adult male and demonstrated that it is a valid species.
- barbitarsis** (ZETTERSTEDT, 1850), **ARCTOPELOPIA**: One of the type-localities for *barbitarsis* mentions Gryphiam which is the accusative form of Gryphia the

Latin name for the German city of Greifswald of which Eldena is now a suburb (M. Spies pers. comm. to P. Ashe).

- bassianus** BRUNDIN, 1966, **PAROCHLUS**: According to Cranston & Martin (1989: 253) the record of *kiefferi* (Garrett) from Australia (Tasmania) in Freeman (1961: 631, sub *Podonomus*) is probably a misidentification of *Parochlus bassianus*.
- basyurti* ŞAHİN, 1980, **Nomina dubia in ABLABESMYIA**: See note on *elazigi* Şahin, 1980.
- bathyphila** (KIEFFER, 1918), **MONODIAMESA**: See note on *Monodiamesa mariae* Andersen, 1996.
- bathyphila* (LIPINA, 1949), synonym of **PAGASTIA (PAGASTIA) orientalis** (CHERNOVSKII, 1949): The correct page on which the description of *bathyphila* begins is page 197 and not 198 as given in Ashe & Cranston (1990: 153). See note on *P. (P.) orientalis* (Chernovskii, 1949).
- batuensis** (FREEMAN, 1962), **KRENOPELOPIA**: In Karunakaran's unpublished thesis *batuensis* is included in *Krenopelopia* and the species is therefore formally transferred to this genus.
- bellipes** KIEFFER, 1925, **Generically unplaced valid MACROPELOPIINI**: Although *bellipes* is redescribed, keyed and included by Edwards (1931) in *Anatopynia*, this species almost certainly belongs in the Macropelopiini with *Chironomus maculipennis* Blanchard as a queried senior synonym. In the Neotropical Catalog (Spies & Reiss, 1996: 83), *maculosipennis* (Kieffer), a replacement name for *maculipennis* Blanchard, is included as an "Unplaced valid species in Chironomidae" with unknown subfamily status while *bellipes* is placed as a nomen dubium in Tanypodinae. The species *bellipes* is now included here as a valid generically unplaced species of Macropelopiini with *maculosipennis* (Kieffer) and *maculipennis* (Blanchard) as queried synonyms.
- beringensis* MUELLER, 1923 & *beringensis* MUELLER, 1924, **Nomina dubia in TANYPODINAE**: The spelling of the type-locality in the original text is "Beringersmühle" and not Beringsmühle as given in Ashe & Cranston (1990: 138) – in addition, the correct country is Germany and not Switzerland. See note under Mueller (1923) in the Bibliography.
- bipunctatus* KIEFFER, 1917, synonym of **PROCLADIUS (PROCLADIUS) villosimanus** KIEFFER, 1917: The species *bipunctatus* is missing from the Australasian/Oceanian Catalog of Cranston & Martin (1989).
- bipunctella* (GOETGHEBUER, 1933), synonym of **CONCHAPELOPIA pallidula** (MEIGEN, 1818): The paper which includes *bipunctella* is usually cited as Goetghebuer (1932) but publication was apparently delayed and the paper was not published until the 20 February 1933. Consequently the year 1932 for *bipunctella* as given in various published sources is incorrect.
- bohemani** GOETGHEBUER, 1932, **DIAMESA**: Edwards (1933: 616-617) considers that the type-localities given in Goetghebuer (1932) for *D. bohemani* included specimens of two different species. Edwards (*op. cit.*) selects a male specimen from Spitzbergen as the type, which is in the Natural History Museum

(London), that he figured in 1922 and thereby restricts the type-locality to Spitzbergen.

**borealis** (COQUILLET, 1899), **DIAMESA**: The correct year of the description of *Eutanypus borealis* is 1899 and not 1898 – see Coquillett (1899) in the Bibliography.

*brevicornis* KIEFFER, 1923, **Nomina dubia in PSECTROTANYPUS**: In the Palaearctic Catalogue (Ashe & Cranston, 1990: 126), the type-locality information for the 1923 description of *brevicornis* wrongly gives “Silésie, Brieg” when only “Silésie” is specified.

**brevipennis** BRUNDIN, 1966, **PAROCHLUS**: *Parochlus steinenii steinenii* sensu Brundin, 1966, (along with *steinenii brevipennis* Brundin, 1966), is included in the Neotropical Catalog (Spies & Reiss, 1996: 80) as “Unplaced valid subspecies in Podonominae”. However, they are not “Unplaced” as both subspecies were correctly assigned to the genus *Parochlus*. The problem is that Brundin (1966) misidentified the species and wrongly applied the name *steinenii* to his southern Neotropical specimens from Argentina and Chile without realising that the true *steinenii* Gercke is, as current data indicates, confined in its distribution to the Antarctic Region. The name *brevipennis* is available and is now elevated to species status but whether or not a new name is required for the misidentified *steinenii* sensu Brundin (1966) can only be determined by a re-examination of Brundin’s material.

**brevitarsis** (TOKUKAGA, 1936), **BOREOHEPTAGYIA**: Records of *brevitarsis* (Tokunaga) from Palaearctic China (Jilin, Liaoning) and Russia (Far East) based on larvae only are unreliable (Makarchenko, Endo, Wu & Wang, 2008: 8).

**brooksi** GERRY, 1933, **Generically unplaced valid TANYPODINAE**: The correct page of the description of *brooksi* is 95 and not 94 as given in the Neotropical Catalog (Spies & Reiss, 1996: 82). The type male of this species is apparently in the Museum of Comparative Zoology at Harvard, U.S.A.

*brundini* SERRA-TOSIO, 1969, junior synonym of **LAPPODIAMESA vidua** (KIEFFER, 1922): The paper by Serra-Tosio is usually cited as 1968 but was published in 1969. Consequently the 1968 date for *brundini* given in previous published sources is incorrect.

**brunnea** EDWARDS, 1931, **Generically unplaced valid MACROPELOPIINI**: In the Neotropical Catalog (Spies & Reiss, 1996: 82) *brunnea* is listed as an “Unplaced valid species in Tanypodinae” but included here as a generically unplaced valid species of Macropelopiini.

*brunneus* ROBACK, 1971, synonym of **PROCLADIUS (HOLOTANYPUS) freemani** SUBLETTE, 1964: In the Nearctic Catalog of Oliver *et al.* (1990: 15) “Nfld” [= Newfoundland] is indicated but the correct province is given in Roback (1971) as Labrador where Cape Charles is located.

**bureni** WIRTH, 1949, **THALASSOMYA**: The “West Indies” is in quotes because Wirth (1969: 573) does not specify which island or islands the record(s) pertain to as

the only distribution information that is specified for *T. bureni* is “Florida to Panama and the West Indies”. The record of this marine species from “Ky” [= Kentucky] in the Nearctic Catalog (Oliver *et al.*, 1990: 7) is presumed to be a typographical error and is deleted.

*carneosa* FITTKAU, 1962, synonym of **ZAVRELIMYIA sinuosa** (COQUILLET, 1905): Fittkau (1962: 315) mentions two localities “Illinois River” and “Fließgewässern in Pennsylvanien” but the only locality mentioned in Johannsen (1905) is “Ithaca, N. Y.” [= New York] which is therefore the type-locality.

*chilensis* BRUNDIN, 1956, **Nomina dubia in MONODIAMESA**: See note on *Monodiamesa mariae* Andersen, 1996.

*chilensis* BRUNDIN, 1958, **Nomina dubia in MONODIAMESA**: See note on *Monodiamesa mariae* Andersen, 1996.

**CHIRONOMIDAE** NEWMAN, 1834: The family name Chironomidae is now attributable to Newman (1834) as indicated in Spies (2005: 6) and not to Macquart (1838). The only synonym of the name Chironomidae that is listed in this Catalogue is *Tendipedidae* because this name appears very frequently as an alternative name in the chironomid literature. The reason for not giving other synonyms is because of Article 36.1 of the Zoological Code (ICZN, 1999, 4th Edition). According to this article, each and every family-group name, the type-genus of which falls within the Chironomidae, has existed and will continue to exist as a family name with the authorship and date of its original proposal, regardless of the spelling or hierarchical rank in the family group with or at which that name was proposed originally. This means, for example, that the name *Lobodiaminesini* Brundin (1966), which is and has only ever been used as a tribe in the Diamesinae, exists at every other family-group rank, (i.e. Subtribe, Subfamily, Family, Superfamily, etc.), even if it is never used at any other rank higher or lower than a Tribe.

**cinerea** (PHILIPPI, 1866), **PENTANEURA**: The year of publication of *Pentaneura cinerea* Philippi is changed from 1865 to 1866 – see note in the Bibliography on Philippi (1866).

**cingulata** (WALKER, 1856), **PARAMERINA**: *Paramerina cingulata* (Walker) was originally described as *Chironomus cingulatus* Walker and is a junior primary homonym of *Chironomus cingulatus* Meigen, 1830. However, because the two homonyms have not been placed in the same genus since 1899 and no replacement name was proposed before 2000 then Article 23.9.5 of the Zoological Code (ICZN, 1999 4th Edition) applies which prohibits replacing the junior homonym without an ICZN decision. *Paramerina cingulata* (Walker) remains the valid name and replacing it with *pygmaea* (Wulp), the first available junior synonym, is invalid. Chandler (1998: 66) gives the authority as Stephens in Walker (1856) but a re-examination shows that Walker merely used a “Stephens MSS” name and there is no evidence of any direct contribution to the description by Stephens. A few chironomid species are attributable to

Haliday in Walker because in these cases Walker included quoted text from Haliday. Walker is therefore the authority for *P. cingulata*.

**CLINOTANYPODINI** LIPINA, 1928: See note on Coelotanypodini Fittkau, 1962.

**COELOTANYPODINI** FITTKAU, 1962: The name Clinotanypodini Lipina, 1928, which has mostly been overlooked in the chironomid literature since first described, is a senior synonym of Coelotanypodini Fittkau, 1962. An application for an ICZN ruling to conserve Coelotanypodini Fittkau, 1962, which has been in unanimous use since first proposed, is being prepared by Spies (2005: 6).

**CONCHAPELOPIA** FITTKAU, 1957: In Ashe (1983: 18), the type-species was misspelt as *Tanypus pallidus* rather than *Tanypus pallidulus*.

**colombiana** REMPEL, 1937, **Generically unplaced valid MACROPELOPIINI**: In the Neotropical Catalog (Spies & Reiss, 1996: 82), *Anatopynia (Macropelopia) colombiana* is listed as an “Unplaced valid species in Tanypodinae” but included here as a generically unplaced valid species of Macropelopiini.

**confluens** EDWARDS, 1931, **Generically unplaced valid MACROPELOPIINI**: In the Neotropical Catalog (Spies & Reiss, 1996: 82), *confluens* is listed as an “Unplaced valid species in Tanypodinae” but included here as a generically unplaced valid species of Macropelopiini.

**conjungens** BRUNDIN, 1966, **PAROCHLUS**: The correct spelling is *conjungens* not *conjugens* as given in Cranston & Martin (1989: 253).

*consobrinus* (ZETTERSTEDT, 1850), **synonym of PRODIAMESA olivacea** (MEIGEN, 1818): In the Palaearctic Catalogue of Ashe & Cranston (1990: 138, 157), the species *consobrinus* Zetterstedt is erroneously included twice - firstly (and wrongly) among the “Nomina dubia in Tanypodinae” and secondly as a synonym of *Prodiamesa olivacea* which is the correct placement.

*cornipes* GHOSH & CHAUDHURI, 1981, synonym of **DIAMESA bicornipes** CHAUDHURI & GHOSH, 1981: The name *Diamesa cornipes* Ghosh & Chaudhuri (1981) is included in a volume of abstracts but without any description and is a nomen nudum but evidently the name was changed for the description in Chaudhuri & Ghosh (1981) to *Diamesa bicornipes* and *D. cornipes* is therefore a new synonym of the latter.

*coronarunguis* ŞAHİN, 1991, **Nomina dubia in DIAMESINAE**: The species *coronarunguis* is described only in the larval stage and needs to be reared and described as a pupa and adult male to ensure that it is a separate species and not a synonym of an existing species.

**crux** (WIEDEMANN, 1824), **CLINOTANYPUS**: In the Oriental Catalogue of Sublette & Sublette (1973: 390), there are several errors relating to this species which include Vol. 10 (there is no volume number), page 1 is incorrect and it should be page 10 and the type-locality is incorrectly given as Java while the original description gives “India or.” [= India orientalis] which is the East Indies (now Indonesia) which includes Java.

*cyanomaculatus* DOLESCHALL, 1856, **Nomina dubia in TANYPODINAE**: The correct spelling is *cyanomaculatus* and not *cyaneomaculatus* as given in the Oriental



Catalogue of Sublette & Sublette (1973: 419).

*cygnus* KIEFFER, 1915, **Nomina dubia in TANYPODINAE**: In the Palaearctic Catalogue (Ashe & Cranston, 1990: 128), the species *Pelopia cygnus* Kieffer (1915, not 1914) was erroneously placed in *Conchapelopia* instead of being listed as a nomen dubium in Tanypodinae. It had been confused with another species of the same name, *Conchapelopia cygnus* (Kieffer, 1923), which is a valid species of *Conchapelopia* in the Afrotropical Region (Freeman & Cranston, 1980: 178). The distribution information for the two species was also combined but this has now been corrected by deleting the record for Israel.

**decarthus** EDWARDS, 1931, **PODONOMUS**: The correct page is 260 and not 261 as given in Spies & Reiss (1996: 79).

**DIAMESA** MEIGEN, 1835: The first use of the name *Diamesa* is by Meigen (1830: *Systematische Beschreibung* 6: 308) as a synonym of *Lestremia* (Family Cecidomyiidae). Due to the fact that it was first published as a junior synonym, it is a nomen nudum because it contravenes Article 11.6 of the Zoological Code (ICZN, 1999, 4th Edition) and being a nomen nudum, it is not an available name and is therefore not a homonym of *Diamesa* Meigen, 1835.

**DIAMESINAE** KIEFFER, 1922: The subfamily name Diamesinae was first proposed in 1922 by Kieffer (see Spies, 2005: 4) and not in 1923 by Kieffer as indicated in Ashe (1983: 5).

*dimorphus* LENZ, 1939, **synonym of COELOTANYPUS dimorphus** REMPEL, 1939: See *C. dimorphus* Rempel, below.

**dimorphus** REMPEL, 1939, **COELOTANYPUS**: The species *C. dimorphus* was described simultaneously in Rempel (1939) and in Lenz (1939). However, Rempel's description has priority due to the application of the "First Revisor" principal in Article 24.2 (ICZN, 1999, 4th Edition) by Spies (2008: 175).

**DIPLOMESA** PAGAST, 1947: The name *Diplomesa* and the species *D. lapponica* was included in a manuscript by Pagast that was expected to be published in 1941, but delayed evidently by World War II, was not published until six years later (Pagast, 1947). However, both Zavřel (1941, reprint version) and Thienemann (1941), no doubt believing that Pagast's paper would be published in 1941, refer to *Diplomesa* and to the species *lapponica*. The delay in publishing Pagast's paper resulted in the creation of (1) *Diplomesa* Zavřel, 1941 (an unavailable name published simultaneously and in synonymy with *Pseudokiefferiella* Zavřel) and (2) *Diplomesa* Thienemann, 1941 (a nomen nudum). In addition, *D. lapponica* was created twice, firstly as a valid species name by Zavřel (1941 reprint) which due to the generic synonymy immediately became *Pseudokiefferiella lapponica* (Zavřel) and secondly as *D. lapponica* by Thienemann, (1941) which is a nomen nudum. When Pagast (1947) was published, it included *Diplomesa* Pagast as a new genus and *D. lapponica* Pagast as a new species. See also the note on *Pseudokiefferiella* Zavřel.

**DIPLOMESA** THIENEMANN, 1941: See notes on *Diplomesa* Pagast, 1947 (above) and *Pseudokiefferiella* Zavřel, 1941.

- DIPLOMESA* ZAVŘEL, 1941: See notes on *Diplomesa* Pagast, 1947 (above) and *Pseudokiefferiella* Zavřel, 1941.
- diplosis* KIEFFER, 1918, synonym of **PSECTROTANYPUS varius** (FABRICIUS, 1787): In the first description of *diplosis* “Ungarn” and “Schweden” are mentioned as localities. It is clear from the second description that “Ungarn” means the Austro-Hungarian Empire of 1918 which then included Hungary and Slovakia. In the more detailed list of localities in the second description, there is no mention of “Schweden”.
- diplosis* KIEFFER, 1919, synonym of **PSECTROTANYPUS varius** (FABRICIUS, 1787): See previous note.
- discoceros** BRUNDIN, 1966, **PODONOMOPSIS**: See note on *Podonomopsis mutica* (Edwards).
- discoloriventris* ŞAHİN, 1991, **Nomina dubia in DIAMESINAE**: The species *Diamesa discoloriventris* is described only in the larval stage and needs to be reared and described as a pupa and adult male to ensure that it is a separate species and not a synonym of an existing species.
- disparipes** KARUNAKARAN, 1969, **FITTKAUIMYIA**: The species description of *F. disparipes* begins on page 76 and not on page 75 as given in the Oriental Catalog of Sublette & Sublette (1965: 391).
- dizona** EDWARDS, 1931, **Generically unplaced valid MACROPELOPIINI**: In the Neotropical Catalog (Spies & Reiss, 1996: 82), the species *dizona* is listed as an “Unplaced valid species in Tanypodinae” but included here as a generically unplaced valid species of Macropelopiini.
- dusoleili** GOETGHEBUER, 1935, **ABLABESMYIA**: In the Afrotropical Catalogue of Freeman & Cranston (1980: 178), Zaïre [now the Democratic Republic of the Congo] is indicated as the country of the type-locality but Uganda is the correct country.
- edwardsi* (BRUNDIN, 1956), **Nomina dubia in PAROCHLUS**: Brundin (1956) indicates that “*Podonomus edwardsi*” is related to *Parochlus kiefferi* but its true identity is unknown and this is the reason that it is placed in the nomina dubia in *Parochlus*. It was evidently intended for one of the South Andean *Parochlus* species but it is not possible to identify which of the species described in Brundin (1966) it was intended for. Because “*Podonomus edwardsi*” Brundin (1956) is not an available name, it is not a homonym of *Podonomus edwardsi* Brundin (1966) - see next note.
- edwardsi** BRUNDIN, 1966, **PODONOMUS**: The correct page is 212 and not 206 as given in Spies & Reiss (1996: 80). This species is not preoccupied by “*Podonomus edwardsi*” used in Brundin (1956) because the latter is a nomen nudum and is not an available name - see previous note.
- eggeri* GOETGHEBUER in GOETGHEBUER & LENZ, 1936, **Nomina dubia in TANYPODINAE**: In the Palaearctic Catalogue (Ashe & Cranston, 1990: 138) for the type-locality, it says “not given (Austria)” but this is corrected to “Austria” which is specified in the right margin.

- elazigi* ŞAHİN, 1980, **Nomina dubia in ABLABESMYIA**: The species *elazigi* and *basyurti* are included in Şahin (1980) without any descriptions while at the same time they are synonymized with *Ablabesmyia mallochi* (Walley) - a species originally described from North American. Both *elazigi* and *basyurti* are therefore nomina nuda because they contravene Articles 11.6 and 13.1 of the Zoological Code (1999). With regard to *elazigi* and *basyurti*, Şahin (1980) states the following on p. 180 “*Ablabesmyia elazigi* and *Abl. basyurti* are not new species for scientific world. Both of them have synonyms in America, but they are new for Asia. *Abl. elazigi*, *Abl. aspera* Roback and *Abl. basyurti* are synonyms of *Abl. mallochi* (Walley).” However, although Şahin synonymizes both *elazigi* and *basyurti* with *mallochi* (Walley) in the text, he lists both as valid species in the table on p. 181 as “nom. n.” rather than including them as synonyms of *mallochi*. Since there is no description of *elazigi* or *basyurti*, both the synonymizing of the two species with *mallochi* and the record of *mallochi* from Turkey cannot be confirmed.
- elongatus* KIEFFER, 1925, **Nomina dubia in TANYPODINAE**: The correct page of the description of *Tanypus elongatus* is 87 and not page 85 as given in the Neotropical Catalog (Spies & Reiss, 1996: 82).
- EUTANYPUS* COQUILLET, 1899, synonym of **DIAMESA**: The correct year of the description of *Eutanypus* is 1899 and not 1898 – see Coquillett (1899) in the Bibliography.
- evansi** BRUNDIN, 1966, **PODONOMOPSIS**: The correct page of the description of *P. evansi* is 281 and not 272 as given in Cranston & Martin (1989: 253).
- fasciatus* MUELLER, 1923 & *fasciatus* MUELLER, 1924, **Nomina dubia probably in PROCLADIINI**: See note under Mueller (1923) in the Bibliography.
- fasciculatus* (FABRICIUS, 1781), Questionable synonym of **CLINOTANYPUS nervosus** (MEIGEN, 1818): See Bibliography for the publication date of Fabricius (1781).
- flabellicornis* FABRICIUS, 1781, **Nomina dubia in TANYPODINAE**: See Bibliography for the publication date of Fabricius (1781).
- flavicollis* BECKER, 1908, **Nomina dubia in TANYPODINAE**: See note on *Peritaphreuusa* Becker, 1908.
- flavipubens* (GOETGHEBUER, 1921), synonym of **NATARSIA nugax** (WALKER, 1856): The description of the species begins on page 64 but the name *Tanypus flavipubens* is first mentioned on page 65. Page 65 is therefore considered to be the correct page to cite.
- flavoscutellata* (GOETGHEBUER, 1919), synonym of **PARAMERINA cingulata** (WALKER, 1856): This species was described twice by Goetghebuer (1919, 1921) and therefore the authorship and date of the first species description is from Goetghebuer (1919) as indicated in Spies & Sæther (2004: 10).
- frauenfeldi** SCHINER, 1856, **THALASSOMYA**: The text of the description of *T. frauenfeldi* begins on page 218 but the species is only named on page 219. Page 219 is therefore considered to be the correct page to cite.

- fuegiana** EDWARDS, 1931, **Generically unplaced valid MACROPELOPIINI**: In the Neotropical Catalog (Spies & Reiss, 1996: 82) *fuegiana* is listed as an “Unplaced valid species in Tanypodinae” but included here as a generically unplaced valid species of Macropelopiini.
- fulvonotata* (KIEFFER, 1918), synonym of **ZAVRELIMYIA nubila** (MEIGEN, 1830): The species *Tanypus fulvonotata* is described twice by Kieffer, in 1918 and 1919, but the type-locality data does not match in the two descriptions.
- fulvonotata* (KIEFFER, 1919), synonym of **ZAVRELIMYIA nubila** (MEIGEN, 1830): see previous note.
- furcata* EDWARDS, 1933, synonym of **DIAMESA geminata** KIEFFER, 1926: The species description begins on page 617 and not page 616 as given in the Nearctic Catalog of Oliver *et al.* (1990: 17).
- fuscipennis* (KIEFFER, 1914), synonym of **TELMATOGETON sanctipauli** SCHINER, 1867: The species *fuscipennis* (Kieffer, 1914) is missing from the Afrotropical Catalogue of Freeman & Cranston (1980).
- futilis* WULP, 1867, **Nomina dubia in PENTANEURINI**: The species *Tanypus futilis* Wulp is listed as *incerta sedis* in Pentaneurini in the Nearctic Catalog (Oliver *et al.*, 1990: 14) but is not mentioned in Roback’s (1971) revision of North American Tanypodinae and is therefore listed here as a nomen dubium in Pentaneurini.
- fuscus** BRUNDIN, 1949, **PROCLADIUS (HOLOTANYPUS)**: The correct source of the original species description is Brundin (1949) and not Brundin (1956) as incorrectly given in the Palaearctic Catalogue (Ashe & Cranston, 1990: 119).
- geijskesi** (GOETGHEBUER, 1934): The original species spelling in Goetghebuer (1934) is incorrect and was emended to *geijskesi* in Spies & Sæther (2004: 16). In Ashe & Cranston (1990: 134), the spelling is incorrectly given as *geijeskesi*.
- goetghebueri* (KIEFFER, 1918), synonym of **MACROPELOPIA adauca** KIEFFER in KIEFFER & THIENEMANN, 1916: In the original description the species name was incorrectly spelt as “*Göthgebueri*”, with an “ö” and the “hg” transposed, which subsequent authors have corrected to *goetghebueri*.
- gracilis** (KIEFFER, 1924), **LASIODIAMESA**: The correct page on which the species description begins is page 47 and not page 46 as given in Ashe & Cranston (1990: 115).
- gretis** ROBACK, 1971, **PROCLADIUS (HOLOTANYPUS)**: The type-locality “Nettilling Lake, Baffin Isl.” was formerly part of the Northwest Territories but is now part of Nunavut.
- grisea* PHILIPPI, 1866, synonym of **PENTANEURA cinerea** (PHILIPPI, 1866): The year of publication of *Pentaneura grisea* Philippi is changed from 1865 to 1866 – see note in the Bibliography on Philippi (1866).
- griseipennis** (WULP, 1859), **ARCTOPELOPIA**: The correct year of publication is 1859 and not 1858 as given in Ashe & Cranston (1990: 128) – see note in the Bibliography on Wulp (1859).
- HEPTAGYIA** PHILIPPI, 1866: The year of publication of *Heptagyia* Philippi is changed from 1865 to 1866 – see note in the Bibliography on Philippi (1866).

- heteroneurus* KIEFFER, 1923, **Nomina dubia probably in ZAVRELIMYIA**: The correct year of publication of *Tanypus heteroneurus* is 1923 and not 1924 as given in Ashe & Cranston (1990: 137).
- heteropus** (COQUILLET, 1905), **DIAMESA**: Hansen in Hansen & Cook (1976: 99) indicates that the record of *D. heteropus* from New Hampshire (in the type-locality data) is very doubtful since this species is otherwise only known in the western Nearctic. It seems likely that the *Diplomesa* [now *Pseudokiefferiella*] *parva* (Edwards) specimen present in the type series is the New Hampshire specimen from "Mt. Washington, N. H." and therefore New Hampshire is not included in the distribution data for *D. heteropus*.
- horticola* (KIEFFER, 1911), synonym of **PROCLADIUS (HOLOTANYPUS) sagittalis** (KIEFFER, 1909): Originally described as a species and not "as var. of *sagittalis*" as incorrectly given in Ashe & Cranston (1990: 120).
- hozati* ŞAHİN, 1991, **Nomina dubia in DIAMESINAE**: The species *Diamesa hozati* is described only in the larval stage and needs to be reared and described as a pupa and adult male to ensure that it is a separate species and not a synonym of an existing species.
- incaicus** BRUNDIN, 1966, **PAROCHLUS**: The correct page for the description of *P. incaicus* is 152 and not 140 as given in Spies & Reiss (1996: 79).
- incarnatus* MEIGEN, 1830, **Nomina dubia in TANYPODINAE**: The correct page number for *Tanypus incarnatus* is 260 and not 620 as incorrectly given in Ashe & Cranston (1990: 138).
- incisiolabiata* LINEVICH, 1963, **Nomen dubium in DIAMESINAE**: The species was validly described by Linevich (1963) and redescribed in more detail by Linevich in Linevich *et al.* (2002) but only the larval stage is currently known. The species is therefore considered to be a nomen dubium until it can be reared and described as an adult male (and pupa) to ensure that it is a separate valid species and not a synonym of an existing species.
- inconspicua* KIEFFER in THIENEMANN & KIEFFER, 1916, synonym of **KRENOPELOPIA binotata** (WIEDEMANN, 1817): The species *Pelopia inconspicua* is missing from the Palaeartic Catalogue of Ashe & Cranston (1990).
- inconspicua* (KIEFFER, 1917), synonym of **KRENOPELOPIA binotata** (WIEDEMANN, 1817): The species *Tanypus inconspicua* is missing from the Palaeartic Catalogue of Ashe & Cranston (1990).
- indecisa** (WILLISTON, 1896), **PENTANEURA**: The species *Pentaneura indecisa* was described from St. Vincent in the West Indies. The record for New York in the U.S.A. is based on its inclusion in the corrections and addition to the Nearctic Catalog in Oliver & Dillon (1994: 8).
- indicus** (KIEFFER, 1910), **ABLABESMYIA**: The species *Isoplastus indicus* is transferred to *Ablabesmyia* as *A. indica* (Kieffer), **comb. nov.**, based on its inclusion under this genus in the Natural History Museum (London) collection list. It may be a senior synonym of another Oriental species. It was previously listed as a

generically unplaced valid species of Tanypodinae in the Oriental Catalogue (Sublette & Sublette, 1973: 394).

- indistincta** BECK & BECK, 1966, **LARSIA**: A valid species according to Dr Bohdan Bilyj (pers. comm. to P. Ashe) and no longer a junior synonym of *Larsia decolorata* (Malloch, 1915).
- kiefferi** (GARRETT, 1925), **PAROCHLUS**: See notes on *P. araucanus* Brundin and *P. bassianus* Brundin.
- kraatzi** (KIEFFER, 1912), **TANYPUS (TANYPUS)**: The species *T. (T.) kraatzi* is described on page 103 and not on page 101 as given in Ashe & Cranston (1990: 117).
- lacteocinctus* (PHILIPPI, 1866), synonym of **HEPTAGYIA annulipes** PHILIPPI, 1866: The year of publication of *Chironomus lacteocinctus* Philippi is changed from 1865 to 1866 – see note in the Bibliography on Philippi (1866).
- lacustris** PAGGI, 1985, **DJALMABATISTA**: The correct page number for *D. lacustris* is 75 not 342 and the year should be 1985 not 1984 as given in Spies & Reiss (1996: 81).
- LAPPODIAMESA** SERRA-TOSIO, 1969: The paper by Serra-Tosio is usually cited as 1968 but was published in 1969. Consequently the 1968 date for *Lappodiamesa* given in previous published sources is incorrect.
- lapponica* (PAGAST, 1947): See notes on *Pseudokiefferiella* Zavřel, 1941 and *Diplomesa* Pagast, 1947.
- lapponica* (THIENEMANN, 1941): See notes on *Pseudokiefferiella* Zavřel, 1941 and *Diplomesa* Pagast, 1947.
- lapponica* (ZAVŘEL, 1941), synonym of **PSEUDOKIEFFERIELLA parva** (EDWARDS, 1932): See notes on *Pseudokiefferiella* Zavřel, 1941 and *Diplomesa* Pagast, 1947.
- latifrons* KIEFFER, 1922, **Nomina dubia probably in PROCLADIUS (PSILOTANYPUS)**: The species description of *P. latifrons* begins on page 364 but the species is only named on page 365. Page 365 is therefore considered to be the correct page to cite.
- latitarsis** (GOETGHEBUER, 1921), **DIAMESA**: The description of the species begins on page 104 but the name *D. latitarsis* is first mentioned on page 105. Page 105 is therefore considered to be the correct page to cite.
- lauroi** SERPA-FILHO & OLIVEIRA, 1992, **TANYPUS (TANYPUS)**: See note on *T. (T.) stellatus* Coquillett, 1902
- lavillei** SERRA-TOSIO, 1970, **DIAMESA**: The correct year for *D. lavillei* is 1970 (not 1969) since the date of publication in the bound volume is given as March 1970 for the part which includes Serra-Tosio's paper. Consequently the 1969 date for *D. lavillei* given in previous published sources is incorrect.
- leucocoma* KIEFFER, 1922, **Nomina dubia probably in PROCLADIUS (PSILOTANYPUS)**: The correct original spelling is *leucocoma* and not *leucoma* as incorrectly given in Ashe & Cranston (1990: 121).
- leucopeza* MUELLER, 1923, **Nomina dubia in DIAMESINAE**: See note under Mueller (1923) in the Bibliography.

- lineolatus* (KIEFFER, 1921), **Nomina dubia in ABLABESMYIA**: The species *lineolatus* was described in the genus *Tanypus* and not *Ablabesmyia* as indicated in the Palaearctic Catalogue (Ashe & Cranston, 1990: 128).
- lobatiforceps* KIEFFER, 1923, synonym of **MACROPELOPIA notata** (MEIGEN, 1818): The species description is on page 174 and not page 175 as given in Ashe & Cranston (1990: 124).
- longicornis** BRUNDIN, 1966, **PAROCHLUS**: The species *P. longicornis* is missing from the Neotropical Catalog of Spies & Reiss (1996).
- longimanus** (KIEFFER, 1922), **POTTHASTIA**: In Ashe & Cranston (1990: 150), the original genus is incorrectly given as *Diamesa* and the page number wrongly given as 361 – the correct genus is *Potthastia* and the correct page is 362. In addition, the proper citation of the binomen is *Potthastia longimanus* and not *Potthastia longimana* - see Spies & Sæther (2004: 19).
- longipalpis** (GOETGHEBUER, 1921), **LABRUNDINIA**: The description of the species begins on page 65 but the name *Tanypus longipalpsis* is first mentioned on page 66. Page 66 is therefore considered to be the correct page to cite.
- longipennis** (TOKUNAGA, 1937), **LARSIA**: The species *Pentaneura longipennis* was treated as a nomen dubium in Tanypodinae (Ashe & Cranston, 1990: 139). However, according to both Dr Bohdan Bily and Dr Tadashi Kobayashi (pers. comm. to P. Ashe), who have examined the type, it is a valid species of *Larsia* to where it is transferred as a **comb. nov.**
- longiseta* KIEFFER, 1924, **Nomina dubia in TANYPODINAE**: The correct page is 104 and not 194 as given in Ashe & Cranston (1990: 139).
- longispinus** BRUNDIN, 1966, **PODOCHLUS**: The species *P. longispinus* is missing from the Neotropical Catalog of Spies & Reiss (1996).
- longistilus* (KIEFFER in THIENEMANN & KIEFFER, 1916), **Nomina dubia probably in PROCLADIUS (HOLOTANYPUS)**: The original genus in which *longistilus* was originally included was *Trichotanypus* and not *Procladius* as given in Ashe & Cranston (1990: 120).
- lundstroemi* GOETGHEBUER in GOETGHEBUER & LENZ, 1936, **Nomina dubia probably in PROCLADIUS (HOLOTANYPUS)**: In the Palaearctic Catalogue (Ashe & Cranston, 1990: 120) for the type-locality, it says “not given” but this is incorrect since the new name is proposed for misidentified specimens of *Arctopelopia barbitarsis* for which three localities are specified: “Grönland” [= Greenland]; “Skandinavien”; and “Lappland”.
- lurida** (GARRETT), **BOREOHEPTAGYIA**: The record for *B. lurida* from New York in Sublette & Sublette (1965) is omitted because it is an error (Serra-Tosio, 1989: 157).
- macrocera** SERRA-TOSIO, 1973, **SYMPOTTHASTIA**: According to Martin Spies (pers. comm. to P. Ashe), the name *Sympotthastia macrocera* is not available from Serra-Tosio (1969) because it was proposed there as “*S. spinifera* forme *macrocera*”. According to the Code (ICZN, 1999, 4th Edition), names proposed for varieties or forms after 1960 are treated as infrasubspecific, and thus

unavailable, and not recognised in nomenclature in any way. The name appears to be available from page 87 of Serra-Tosio (1973). This Serra-Tosio (1973) work does not contain a morphological description of *S. macrocera* but its reference to the diagnosis in Serra-Tosio (1969) satisfies the Code requirements for availability.

**MACROPELOPIINI ZAVŘEL, 1929:** The authorship of Macropelopiini is available from Zavřel (1929) as given in Spies (2005: 6) and not from Fittkau (1962) as given in Ashe (1983: 5).

*maculatus* (MACQUART, 1826), synonym of **MACROPELOPIA nebulosa** (MEIGEN, 1804): In Ashe & Cranston (1990: 139) listed as a nomen dubium in Tanypodinae. However, Macquart (1826) in his description of *maculatus* says that it is almost certainly the female of the preceding species, i.e. *nebulosus* Meigen. We therefore accept Macquart's opinion and formally synonymize the two species.

**magellanicus** (JACOBS, 1900), **TELMATOGETON:** The correct page of the species description is 107 and not 106 as given in Cranston & Martin (1989: 800).

*magnifipedis* ŞAHİN, 1991, **Nomina dubia in DIAMESINAE:** The species *magnifipedis* is described only in the larval stage and needs to be reared and described as a pupa and adult male to ensure that it is a separate species and not a synonym of an existing species.

**mariae** ANDERSEN, 1996, **MONODIAMESA:** The record of the Holarctic *M. bathyphila* (Kieffer) from Casa Pangué in Chile (Edwards, 1931: 268) is a misidentification but it may be identical with *M. mariae*. Other records of *Monodiamesa* species (Brundin, 1956, 1958, 1966) from lakes in southern Chile (listed under **Nomina dubia in MONODIAMESA**) may be synonyms of *M. mariae*.

**mastersi** SKUSE, 1889, **APSECTROTANYPUS:** The correct original spelling is *mastersi* and not *masteri* as incorrectly given in Cranston & Martin (1989: 255).

**meilloni** (FREEMAN, 1955), **CANTOPELOPIA:** Harrison (1978: 70) in the known distribution includes Niger but Freeman & Cranston (1980: 178) give Nigeria and we assume that Niger is the correct country.

**melanops** (MEIGEN, 1818), **CONCHAPELOPIA:** In the Palaeartic Catalogue (Ashe & Cranston, 1990: 129) under type-locality, it says "not given (?Aachen)" but this is incorrect because in Meigen (1818) the phrase "Gemein in Hessen" [= common in Hessen] is used.

*memorosus*: see note on *nemorosus* MEIGEN, 1804.

*mendax* (LYNCH ARRIBÁLZAGA, 1893), **Nomina dubia in COELOTANYPUS:** This species is keyed and recognised as valid on account of its distinctive green colour in Roback (1965) but in the Neotropical Catalog (Spies & Reiss, 1996: 81), it is treated as a nomen dubium in *Coelotanypus*.

*microdiamesoides* LIPINA, 1949, **Nomina dubia probably in DIAMESINAE:** The species *microdiamesoides* is missing from the Palaeartic Catalogue of Ashe & Cranston (1990).



- MICROPELOPIA* ZAVŘEL, 1916, **Nomina dubia in TANYPODINAE**: The authorship of *Micropelopia* is Zavřel in Thienemann & Zavřel (1916) as indicated in Spies & Sæther (2004: 12-13) and not Thienemann in Thienemann & Zavřel (1916) as given in Ashe (1983: 34-35). Although it is a “collective group name”, it is also an available name (but not an available generic name) and a senior homonym of *Micropelopia* Vimmer, 1918 (Spies & Sæther, 2004: 12-13). Treated here as a nomen dubium in Tanypodinae. See notes on *Micropelopia* Vimmer, 1918 and *Micropelopiae* Thienemann & Zavřel, 1916.
- MICROPELOPIA* VIMMER, 1918, **Nomina dubia in TANYPODINAE**: Preoccupied by and a junior homonym of *Micropelopia* Zavřel, 1916 as indicated in Spies & Sæther (2004: 12-13) and treated here as a nomen dubium in Tanypodinae. The cover of the journal issue which contains the two 1917 Vimmer papers cited in Spies & Sæther (2004) has the words “Valná hromada 22. ledna 1918” which apparently means ‘General Meeting 22 January 1918’ and indicates that the issue (and possibly the whole volume) was published sometime after the 22 January 1918. There does not appear to be a specified publication date and in the Bibliography, we have used the [+31 December 1918] as the date of publication until an earlier date in 1918 can be proven. See note on *Micropelopia* Zavřel, 1916.
- MICROPELOPIAE* THIENEMANN & ZAVŘEL, 1916, **Unavailable names in TANYPODINAE**: *Micropelopinae* as used by several authors including Zavřel and Vimmer is not an available name and should not be used for the reasons given in Spies & Sæther (2004: 12-13). See note on *Micropelopia* Zavřel, 1916.
- miki* GOETGHEBUER in GOETGHEBUER & LENZ, 1936, **Nomina dubia in TANYPODINAE**: In the Palaearctic Catalogue (Ashe & Cranston, 1990: 139) for the type-locality, it says “not given” but this is incorrect as “Austria sup.” [= Upper Austria] is specified.
- minutissimus** (STROBL, 1895), **PARABOREOCHLUS** THIENEMANN: The date of the species is 1895 and not 1894 as given in Ashe & Cranston (1990: 115). The paper by Strobl (1895) appears in the “Jahrgang 1894” volume which was published in 1895.
- modesta** SERRA-TOSIO, 1968, **DIAMESA** MEIGEN: The paper by Serra-Tosio is usually cited as 1967 but was published in 1968. Consequently the 1967 date for *D. modesta* given in previous published sources is incorrect.
- modestus* (KIEFFER in KIEFFER & THIENEMANN, 1916), **Nomina dubia probably in PROCLADIUS (HOLOTANYPUS)**: Ashe & Cranston (1990: 120) incorrectly give the original genus as *Procladius* and give “Drottningholm” in the type-locality data which are corrected respectively to *Trichotanypus* and Drottninggatan.
- moniliformis** FITTKAU, 1962, **ABLABESMYIA**: In the Oriental Catalog of Sublette & Sublette (1973: 389), the type-locality is given as “Formosa” [= Taiwan] but Fittkau (1962: 430) gives “Japan”. The type material actually consists of all the listed Japanese specimens of *monilis* sensu Tokunage (1937). The records from

Formosa are based on published records of *monilis* by Kieffer and Tokunaga would not have seen his specimens. Therefore the records from Japan, Taiwan, Indonesia and the Philippines may represent more than one species.

**mutica** (EDWARDS, 1931), **PODONOMOPSIS**: The record of “*Podonomus muticus*” from Australia in Freeman (1961: 633) is probably a misidentification of *Podonomopsis discoceros* Brundin (1966) since the true *mutica* is only known from the southern Neotropical Region. The transfer of the species to *Podonomopsis* means that the correct spelling of the species name becomes *mutica* instead of *muticus* for the same reasons given in the note on *Podonomopsis andina* Brundin.

**NATARSIA** FITTKAU, 1962: The correct type-species is *Chironomus punctatus* Fabricius, 1805 as indicated in Spies & Sæther (2004: 14) and not *Chironomus punctatus* Meigen, 1804 as given in Ashe & Cranston (1990: 126).

**nebulosa** (MEIGEN, 1804), **MACROPELOPIA**: The correct page is 21 as corrected in Spies & Sæther (2004: 14) and not page 23 as given in Ashe & Cranston (1990: 124). See next note.

*nebulosa* (MEIGEN, 1804), synonym of **NATARSIA punctata** (MEIGEN, 1804): This species is missing from the Palaearctic Catalogue because two different species named *Tanytus nebulosus* were described in Meigen (1804), one is a valid species of *Macropelopia* Thienemann and the other is a synonym of *Natarsia punctata* Meigen (1804) - see comments on both of these species in Spies & Sæther (2004: 14). See previous note.

*nemorosus* MEIGEN, 1804, **Nomina dubia in TANYPODINAE**: In the Palaearctic Catalogue (Ashe & Cranston, 1990: 139), the species is incorrectly misspelt as “*memorosus*” rather than *nemorosus*.

**nemorum** (GOETGHEBUER, 1921), **TELMATOPELOPIA**: The description of the species begins on page 68 but the name *Tanytus nemorum* is first mentioned on page 69. Page 69 is therefore considered to be the correct page to cite.

*neotropicus* (KIEFFER, 1917), **Nomina dubia in COELOTANYPUS**: The species *neotropicus*, originally described in *Clinotanytus*, is treated as a nomen dubium in *Coelotanytus* in accordance with the views of Spies & Reiss (1996: 93).

*nigriventris* KIEFFER, 1922, synonym of **PROCLADIUS (PSILOTANYPUS) imicola** KIEFFER, 1922: The correct page number is 364 and not 363 as given in the Palaearctic Catalogue (Ashe & Cranston, 1990: 121).

*nigrocinctus* (DOLESCHALL, 1856), **Nomina dubia in ABLABESMYIA**: Edwards (1929: 7) indicates that *nigrocinctus* may be an *Ablabesmyia* species.

**nipponotata** SASA, 1993, **MACROPELOPIA**: In the text this species on page 118 was incorrectly given as “*tomosecunda* Sasa, 1993” but it is clear from the figure legend on page 119 and the figures on page 124 that a new species named *nipponotata* was being described.

**nivosa** (GOETGHEBUER, 1928), **PSEUDODIAMESA**: The species description of *P. nivosa* begins on page 126 and not page 123 as given in Ashe & Cranston (1990: 150).

- notata* (STAEGER, 1839), synonym of **PRODIAMESA olivacea** (MEIGEN, 1818): The type-locality, which is in old Danish script, is “Ordrupsmose” and not “Ordrup, Smofe” as incorrectly given in Ashe & Cranston (1990: 157).
- novaezelandiae* BRUNDIN, 1964, synonym of **PAROCHLUS ohakunensis** (FREEMAN, 1959): *Parochlus novaezelandiae* Brundin, 1964 was synonymized with *Parochlus ohakunensis* (Freeman, 1959) in Ashe & O'Connor (2009).
- novaezelandiae* BRUNDIN, 1966, synonym of **PAROCHLUS petecranstoni** ASHE & O'CONNOR, 2009: *Parochlus novaezelandiae* Brundin, 1966 is described on page 154 and not 138 as given in Cranston & Martin (1989: 253).
- nowickiana** KOWNACKI & KOWNACKA, 1975, **DIAMESA**: The altitude data in the type-locality is given as “2070—2000 m” but the figure of 2000 is certainly an error and the actual figure should be higher.
- nubila** (MEIGEN, 1830), **ZAVRELIMYIA**: See note on *Peritaphreuusa* Becker, 1908.
- ocellata* MUELLER, 1923, synonym of **MACROPELOPIA notata** (MEIGEN, 1818): See note under Mueller (1923) in the Bibliography.
- okadai* TOKUNAGA, 1938, **Nomina dubia probably in LARSIA**: This species was described from a hot spring and reports of Tanypodinae from such habitats appear to be rather rare. The species was previously placed as a nomen dubium in the Tanypodinae in Ashe & Cranston (1990: 139). One of the Tanypodinae genera that can be found in hot springs is *Larsia*. An examination of the original description of *okadai* including the figure of the wing (with veins R<sub>2+3</sub> present and R<sub>2</sub> absent) in combination with the hot spring habitat indicates that the species most likely belongs in *Larsia*. To confirm this placement, the original type-material will have to be examined or fresh specimens need to be collected and reared from the hot springs habitat.
- olivacea** (MEIGEN, 1818), **PRODIAMESA**: For *olivacea* and a junior synonym *scutellata* Meigen in the Palaearctic Catalogue (Ashe & Cranston, 1990: 157) under the type-locality for each species it states “not given (?Aachen)” which is incorrect because a re-examination of the text shows that the state of “Hessen” is specified.
- oliveirai** OLIVEIRA & FONSECA-GESSNER, 2006, **Subgenerically unplaced species of ABLABESMYIA**: According to Oliveira & Fonseca-Gessner (2006), the species *oliveirai* and *reissi* do not fit readily into any of the subgenera of *Ablabesmyia* and consequently they are subgenerically unplaced.
- orientalis** (CHERNOVSKII, 1949), **PAGASTIA (PAGASTIA)**: The species *P. (P.) orientalis* (Chernovskii, 1949) and its synonym *P. (P.) bathyphila* (Lipina, 1949) were both described in 1949, with no date other than 1949 specified in either publication. Both publication have been assigned the same date of publication, i.e. +31 December 1949 (see Bibliography). *P. (P.) orientalis* is the better known and most frequently used name. In order to establish which name has priority a separate investigation will be necessary which will involve comparing dates of receipt of the two publication in different Russian libraries as these are likely to have earlier dates than libraries outside of Russia. Until the

priority problem is solved *P. (P.) orientalis* should be treated as the valid name. The species description of *orientalis*, in a key, begins at the bottom of page 99 and continues onto page 100 where the species name is first given. Page 100 is therefore considered to be the correct page to cite.

*pallens*: see note on *pallescens* VIMMER, 1927.

*pallescens* VIMMER, 1927, synonym of **PSECTROTANYPUS varius** (FABRICIUS, 1787): In the Palaearctic Catalogue (Ashe & Cranston, 1990: 126), the species name is incorrectly given as “*pallens*” whereas the correct original spelling is *pallescens*.

*pallescens* EDWARDS, 1931, **Generically unplaced valid MACROPELOPIINI**: In the Neotropical Catalog (Spies & Reiss, 1996: 82), *pallescens* is listed as an “Unplaced valid species in Tanypodinae” but included here as a generically unplaced valid species of Macropelopiini.

*pallicornis* ZETTERSTEDT, 1850, **Nomina dubia in TANYPODINAE**: The correct original spelling is *pallicornis* and not *pallidicornis* as given in the Palaearctic Catalogue (Ashe & Cranston, 1990: 139).

*pallidicornis*: see note on *pallicornis* ZETTERSTEDT, 1850.

**pallidula** (MEIGEN, 1818), **CONCHAPELOPIA**: Records of this species from other countries need to be checked to determine if the specimens are *C. pallidula*, *C. hittmairorum* Michiels & Spies or *C. triannulata* (Goetghebuer) – see Michiels & Spies (2002).

**pallipes** FREEMAN, 1961, **APSECTROTANYPUS**: Listed as a valid unplaced species of Macropelopiini in Cranston & Martin (1989: 255) but since referred to *Apsectrotanypus* in Horne & Pettigrove (1989). The correct page of the description of *pallipes* is 622 and not 623 as given in Cranston & Martin (1989: 255).

**PARADIAMESA** BRÈTHES, 1909, **Nomina dubia in PODONOMINAE**: The reasons why this genus and its type-species are nomina dubia are explained in Ashe (1983: 39).

**PARAMERINA** FITTKAU, 1962: The type-species is *Chironomus cingulatus* Walker, 1856 and not *Tanypus cingulatus* Walker, 1856 as given in Fittkau (1962: 317) and in Ashe (1983: 40).

**PARAPOTTHASTIA** SERRA-TOSIO, 1969, synonym of **SYNDIAMESA** KIEFFER, 1918: The paper by Serra-Tosio is usually cited as 1968 but was published in 1969. Consequently the 1968 date for *Parapotthastia* given in previous published sources is incorrect.

*pardalis* DOLESCHALL, 1856, **synonym of CLINOTANYPUS crux** (WIEDEMANN, 1824): The correct original spelling is *pardalis* and not *paradalis* as given in the Oriental Catalogue of Sublette & Sublette (1973: 390).

**parva** (EDWARDS, 1932), **PSEUDOKIEFFERIELLA**: The New Hampshire record for *P. parva* from the U.S.A. is based on the comments by Hansen in Hansen & Cook (1976: 99) who indicates that the type-series of *Diamesa heteropus* (Coquillett), includes a specimen of *P. parva*. See note on *Diamesa heteropus* (Coquillett).

- patagonica* BRUNDIN, 1966, **Nomina dubia in MONODIAMESA**: See note on *Monodiamesa mariae* Andersen, 1996.
- pectinatus** KIEFFER, 1909, **PROCLADIUS (HOLOTANYPUS)**: The species *pectinatus* was originally described in *Tanypus* and not in the genus *Procladius* as indicated in Ashe & Cranston (1990: 119).
- pectinatus** (DEBY, 1889), **TELMATOGETON**: The correct spelling is *pectinatus* as given in Spies & Sæther (2004:12) and not *pectinata*.
- pedisequus* (KIEFFER, 1906) synonym of **THALASSOMYA frauenfeldi** SCHINER, 1856: In Ashe & Cranston (1990: 156), the species name is erroneously given as *pediserua*. The correct spelling is *pedisequus* and the ending of the name does not change with the gender of the genus (see Spies & Sæther, 2004: 12).
- pennipes** FREEMAN, 1961, **Generically unplaced valid MACROPELOPIINI**: The correct page number on which the species description of *pennipes* begins is 621 and not 623 as given in Cranston & Martin (1989: 255).
- PENTANEURA PHILIPPI**, 1866: The year of publication of *Pentaneura* Philippi is changed from 1865 to 1866 – see note in the Bibliography on Philippi (1866).
- PENTANEURINI HENNIG**, 1950: The authorship of Pentaneurini is attributable to Hennig (1950) as indicated in Spies (2005: 5) and not to Fittkau (1962) as given in Ashe (1983: 5). See note on Ablabesmyiini Hennig, 1950.
- peregrinus* (EDWARDS, 1929), synonym of **PAROCHLUS kiefferi** GARRETT, 1925): See note on *P. araucanus* Brundin.
- pergens* (WALKER, 1856), synonym of **DIAMESA tonsa** (HALIDAY, 1856): In the Palaearctic Catalogue (Ashe & Cranston, 1990: 147) the species *pergens* is wrongly attributed to Haliday in Walker rather than solely to Walker.
- PERITAPHREUUSA BECKER**, 1908, **Nomina dubia in TANYPODINAE**: Treated as a synonym of *Zavrelimyia* Fittkau in Ashe & Cranston (1990: 136) pending a ruling from the Zoological Commission on priority. More recently Spies & Sæther (2004: 18) have indicated that the synonymy is doubtful and until the problem is investigated in greater detail, it is best to treat the genus *Peritaphreuusa* as a nomen dubium. The type-species, *Peritaphreuusa flavicollis* Becker, 1908, is removed from synonymy with *Zavrelimyia nubila* (Meigen, 1830) and is also a nomen dubium.
- pictipennis* (PHILIPPI, 1866), **Nomina dubia in TANYPUS**: The species *Chironomus pictipennis* is treated as a nomen dubium in *Tanypus* for the reasons given in Spies & Reiss (1996: 94, note 52). The year of publication of *Chironomus pictipennis* Philippi is changed from 1865 to 1866 – see note in the Bibliography on Philippi (1866).
- pilipes** EDWARDS, 1928, **THALASSOMYA**: Cranston & Martin (1989: 258) incorrectly give “Edwards, 1933b: 110” which may be an error for Edwards (1935: *Insects of Samoa* 9: 110) as the pagination for 1933b in the references is only 85-92. However, the source of the original description of *T. pilipes* and the correct reference is Edwards (1928: *Insects of Samoa* 6: 60).
- pilosus** (BIGOT, 1888), **PAROCHLUS**: The correct year of publication of Bigot is 1888 as

given in Evenhuis (1997: 92) and not 1891.

**PODONOMINAE** THIENEMANN & EDWARDS, 1937: The authorship of the Subfamily Podonominae and the Tribe Podonomini is changed to Thienemann & Edwards and not just Thienemann in accordance with the views of Spies (2005: 7-8).

*PODONOMITES* BRUNDIN, 1964, synonym of **PODOCHLUS**: The name *Podonomites*, used in Brundin (1964), is a nomen nudum because it fails to fulfil the requirements of Article 13.1 and 13.3 of the Zoological Code. However, in Brundin (1964: 428) *Podonomites* is said to contain 12 South Andean species and he states that “In a stream running into Lake Lyndon, South Island, New Zealand, is living a *Podonomites* species which clearly stands out as the most specialized type as yet known”. The only new genus described in Brundin (1966) with a number close to the 12 South Andean species is *Podochlus* with 15 species and of the four species described from New Zealand only one, *Podochlus stouti*, has part of the type series recorded from “a stream running into Lake Lyndon”. Therefore, when using the invalid name “*Podonomites*” Brundin (1964) appears to have been thinking of the genus he subsequently established under the name *Podochlus*. *Podonomites* is therefore a new synonym of *Podochlus*.

**PODONOMOPSIS** BRUNDIN, 1966: In Ashe (1983: 43), the valid description of the genus in Brundin (1966) genus was accidentally omitted although the nomen nudum from Brundin (1964) was included.

**PODONOMUS** PHILIPPI, 1866: The year of publication of *Podonomus* Philippi is changed from 1865 to 1866 – see note in the Bibliography on Philippi (1866).

*polaris* (KIEFFER, 1926), **Nomina dubia in ARCTODIAMESA**: The species *Diamesa arctica* Kieffer was redescribed in Sæther, Sublette & Willassen (1984) from the adult female type specimen and placed in *Arctodiamesa*. The adult females are not known for all the described species although *A. polaris* could be the unknown female of *A. appendiculata*. Until *A. polaris* can be matched with an adult male, it is best to treat it as a nomen dubium in *Arctodiamesa*.

*polaris* KIEFFER, 1926, **Nomina dubia probably in SYNDIAMESA**: The type-material of *Syndiamesa polaris* Kieffer, 1926 was re-examined by Sæther, Sublette & Willassen (1984: 273) and although fragmented and incomplete they conclude that the species probably belongs in *Syndiamesa*. *Syndiamesa* is otherwise unknown in the Nearctic except for an unnamed species noted in Oliver, Dillon & Cranston (1990: 19) from Canada (Northwest Territories) and Ontario. It is possible that *S. polaris* and the unnamed species are the same.

Unnamed sp. OLIVER, DILLON & CRANSTON, 1990, **SYNDIAMESA**: See previous note on *Syndiamesa polaris* Kieffer, 1926.

**posticalis** (LUNDBECK, 1898), **TRICHOTANYPUS**: Inclusion of “(Norway)” in part of the type-locality data of *T. posticalis* in the Palaearctic Catalogue (Ashe & Cranston, 1990: 116) is an error.

**POTTHASTIA** KIEFFER, 1922: The correct page number for *Potthastia* is 362 and not page 361 as given in Ashe & Cranston (1990: 149).

*praecox* (MEIGEN, 1818), **Nomina dubia probably in DIAMESINAE**: This species, originally described as *Tanypus praecox*, is missing from the Palaearctic Catalogue of Ashe & Cranston (1990).

**PROCLADIUS** SKUSE, 1889: Many species which are now in *Procladius* were originally described in the genus *Trichotanypus* but the latter is a valid genus in the Subfamily Podonominae.

*profundorum* KIEFFER, 1923, **Nomina dubia in PROCLADIINI**: The species described as *Procladius profundorum* in Kieffer (1923) is missing from the Palaearctic Catalogue (Ashe & Cranston, 1990) because it was probably confused with another species, *Trichotanypus profundorum*, described in Kieffer (1924). Both species are placed in this Catalogue as nomina dubia in Procladiini.

*profundorum* KIEFFER, 1924, **Nomina dubia in PROCLADIINI**: See previous note on *Procladius profundorum* Kieffer, 1923.

**PROTENTHES** JOHANNSEN, 1907, synonym of **TANYPUS** MEIGEN, 1803: In the Palaearctic Catalogue of Ashe & Cranston (1990: 117), the type-species was incorrectly given as "*Tipula punctipennis*" but it should be "*Tanypus punctipennis*".

*pruinus* (KIEFFER, 1924), **Nomina dubia probably in PROCLADIUS (HOLOTANYPUS)**: The type-locality data for *Trichotanypus pruinus* (Kieffer), "A, Lunzer Sees"; [Poland] "Silésie", as given in the Palaearctic Catalogue (Ashe & Cranston, 1990: 120) is incorrect.

**PSEUDOKIEFFERIELLA** ZAVŘEL, 1941: The genus *Pseudokiefferiella* was validated, by monotypy, in a reprint by Zavřel (1941) which has a Nachtrag or supplement in which a named species *Diplomesa lapponica* is included. The journal version of Zavřel (1941) lacks the Nachtrag and *Pseudokiefferiella* is a nomen nudum there because a type-species was not designated and being an unavailable name is not a homonym of the reprint validation of *Pseudokiefferiella*. The inclusion of the Nachtrag in the reprint of Zavřel (1941) means that:- (1) *Pseudokiefferiella* and *Diplomesa* were published simultaneously and in synonymy and (2) a new species, *Diplomesa lapponica*, was created which immediately became a new combination as *Pseudokiefferiella lapponica* with Zavřel being the author of the three names. See Spies & Sæther (2004: 19-20) for a discussion and resolution to this complex problem. The name "*Pseudokiefferiella* Thienemann, 1952" as treated in Ashe (1983: 46) does not exist as Thienemann (1952) did not propose a new name but simply referred to what he considered to be an available one (Spies & Sæther, 2004: 20).

**PSEUDOKIEFFERIELLA** ZAVŘEL, 1941, synonym of **PSEUDOKIEFFERIELLA** ZAVŘEL, 1941: See notes on *Pseudokiefferiella* Zavřel, 1941 (above) and *Diplomesa* Pagast, 1947.

**pubicornis** FABRICIUS, 1805, **Generically unplaced valid TANYPODINAE**: Spies & Reiss (1996: 94) in the Neotropical Catalog state that a single type-specimen of *C. pubicornis* is preserved in the Royal Museum at Copenhagen.

*pubitarsis* (ZETTERSTEDT, 1838), Questionable synonym of **PSEUDODIAMESA** *nivosa*

- (GOETGHEBUER, 1928): The correct page of the original description is 811 and not 821 as given in Ashe & Cranston (1990: 151).
- punctata** (FABRICIUS, 1805), **NATARSIA**: The correct authorship and date of *Natarsia punctata* is Fabricius (1805) and the species was originally described as *Chironomus punctatus*. In Ashe & Cranston (1990: 126), the authorship and date were wrongly attributed to Meigen (1804). See Spies & Sæther (2004: 14) for more details.
- puncticollis* (GOETGHEBUER in THIENEMANN, 1936), **Nomina dubia in CONCHAPELOPIA**: The species *puncticollis* is now a nomen dubium in *Conchapelopia* as given in Michiels & Spies (2002) and removed by them from synonymy with *Conchapelopia pallidula* (Meigen).
- punctulata** (PHILIPPI, 1866), **ABLABESMYIA (ABLABESMYIA)**: The year of publication of *Ablabesmyia (Ablabesmyia) pictipennis* (Philippi) is changed from 1865 to 1866 – see note in the Bibliography on Philippi (1866).
- pusillus* (MEIGEN, 1818), synonym of **NILOTANYPUS dubius** (MEIGEN, 1804): In Meigen (1818), *T. pusillus* was proposed as a new name for *T. dubius* with the latter listed as a synonym.
- quadriannulatus** GOETGHEBUER, 1933, **CLINOTANYPUS**: The species description begins on page 114 and not page 144 as given in Ashe & Cranston (1990: 117).
- quadripunctata* VIMMER, 1918, **Nomina dubia in TANYPODINAE**: The correct page number is 5 and not 6 as given Ashe & Cranston (1990: 139) and the correct year of publication is 1918 and not 1917.
- quatuorpuncta* KIEFFER, 1921, **Nomina dubia probably in ZAVRELIMYIA**: The correct year for the description of *quatuorpuncta* Kieffer is 1921 and not 1922 as given in Ashe & Cranston (1990: 137).
- quinaesetosa* PANKRATOVA, 1950, **Nomina dubia in DIAMESINAE**: The original spelling is *quinaesetosa* and not *quinaesetosa* as given in the Palaeartic Catalogue (Ashe & Cranston, 1990: 154).
- rectinervis* (KIEFFER, 1918), synonym of **NATARSIA nugax** (WALKER, 1856): In the first description of *rectinervis*, the type-locality is given as “Ungarn” [= Hungary] but it is clear from the second description that this means the Austro-Hungarian Empire of 1918 which then included Romania.
- recurva** JOHANNSEN, 1932, **PROCLADIUS (PROCLADIUS)**: The species was previously listed as a subgenerically unplaced valid species of *Procladius*. However, the type male on a slide in the Natural History Museum (London) was examined and the eyes are not iridescent which excludes *Djalmabatista*. Examination of the male genitalia indicates that it fits best placement in the subgenus *Procladius* **comb. nov.**
- reissi** PAGGI & AÑON SUAREZ, 2000, **Subgenerically unplaced species of ABLABESMYIA**: See note on *Ablabesmyia oliveirai*.
- RHEOCHLUS** BRUNDIN, 1966: see note on *Parochlus tasmaniae* (Freeman).
- rhomboideus* (MUELLER, 1923) & *rhomboideus* (MUELLER, 1924), synonyms of **APSECTROTANYPUS trifascipennis** (ZETTERSTEDT, 1838): See note



- under Mueller (1923) in the Bibliography.
- rivicola* KIEFFER, 1922, **Nomina dubia in PROCLADIINI**: The correct page number of the species description of *rivicola* is 366 and not 363 as given in Ashe & Cranston (1990: 122).
- roblesi** VARGAS, 1946, **Generically unplaced valid MACROPELOPIINI**: In the Neotropical Catalog (Spies & Reiss, 1996: 82), *roblesi* is listed as an “Unplaced valid species in Tanypodinae” but included here as a generically unplaced valid species of Macropelopiini.
- rubicundula* SANTOS-ABREU, 1918, **Nomina dubia in TANYPODINAE**: The correct page number is 254 and not 98 as incorrectly given in Ashe & Cranston (1990: 139) and the words “Estio y Otono” are deleted from the type-locality because it merely means Summer and Autumn.
- rufoscutellatus* MUELLER, 1923 & *rufoscutellatus* MUELLER, 1924, **Nomina dubia in PROCLADIINI**: See note under Mueller (1923) in the Bibliography.
- rufovittatus** (WULP, 1874), **PROCLADIUS (PSILOTANYPUS)**: The page on which the species description of *rufovittatus* begins is 143 and not 144 as given in Ashe & Cranston (1990: 121).
- sabensis** ROBACK, 1971, **CLINOTANYPUS (APONTEUS)**: The square brackets are part of the original type-locality data.
- sanctipauli** SCHINER, 1867, **TELMATOGETON**: See note on *Telmatogeton* Schiner.
- scapularis* (KIEFFER, 1924), **Nomina dubia in PROCLADIUS (HOLOTANYPUS)**: The correct original genus in which *scapularis* was described is *Trichotanypus* and not *Procladius* as given in Ashe & Cranston (1990: 120).
- scripta* VIMMER, 1918, **Nomina dubia in TANYPODINAE**: The correct year of publication of *scripta* is 1918 and not 1917 as given in Ashe & Cranston (1990: 139).
- scutellata* (MEIGEN, 1818), synonym of **PRODIAMESA olivacea** (MEIGEN, 1818): See note on *Prodiamesa olivacea* (Meigen).
- serpentina* EDWARDS & THIENEMANN in THIENEMANN, 1937, synonym of **LASIODIAMESA gracilis** (KIEFFER, 1924): The authorship of *serpentina* is changed to Edwards & Thienemann and not just Edwards in agreement with the opinion of Spies (2005: 8).
- serratosioi** KOWNACKI, 1982, **SYNDIAMESA**: The paper by Kowanacki is usually cited as 1981 but the inside cover of the issue has “© 1982” printed on it confirming that the paper which includes the new species *Syndiamesa serratosioi* and *Syndiamesa vaillanti* was published sometime in 1982. Consequently the 1981 date for both species given in Ashe & Cranston (1990: 152) is incorrect.
- sibiricus** (KRUGLOVA & CHERNOVSKII, 1940), **DEROTANYPUS**: The species description of *sibiricus* begins on page 1 and not on page 2 as given in Ashe & Cranston (1990: 126).
- sigillata* KIEFFER, 1924, synonym of **MACROPELOPIA nebulosa** (MEIGEN, 1804): The original genus in which *sigillata* is described is *Macropelopia* and not *Tanypus* as given in Ashe & Cranston (1990: 124).

- sikotuensis** SASA, 1990, **CONCHAPELOPIA**: The species name is spelt *sikotuensis* (in three places) which is therefore considered to be the valid and correct spelling regardless of the fact that the lake after which the species is named is called Lake Shikotsu. The use of the spelling *shikotuensis* is an incorrect subsequent spelling.
- solita** JOHANNSEN, 1932, **CONCHAPELOPIA**: In Karunakaran's unpublished thesis, *solita* is included in *Conchapelopia* and therefore the species is transferred to this genus.
- sp. 1: ASHE & O'CONNOR, 2009, **COFFMANIA**: In Ashe (1990: 267, Table 2), there are three "Gen. nov. Pentaneurini" mentioned. One of the then unnamed genera has a very distinctive thoracic horn which is identical with that later described for two new species of the genus *Coffmania* (Hazra & Chaudhuri, 2000) from northern India. The records from India and Indonesia shows that *Coffmania* is widespread in the Oriental Region and a new species was recently described from Japan (Niitsuma, 2008) in the eastern Palaearctic. *Coffmania* could be expected to occur in Australasia, particularly in areas just to the east of Weber's Line, such as eastern Indonesia and Papua New Guinea.
- sp.: ASHE, MURRAY & REISS, 1987, **CONCHAPELOPIA**: Ongoing research in Australia has not confirmed the presence of *Conchapelopia* there. It is possible that the adults from the McLeod River (Queensland) may belong to one of the two or three other genera close to *Conchapelopia* that have been found in Australia.
- sp.: CRANSTON, 2001, **THIENEMANNIMYIA**: The species mentioned in the "Thienemannimyia-group" is actually a species of *Thienemannimyia* (Dr P. S. Cranston pers. comm. to P. Ashe).
- sp.: FITTKAU & REISS, 1979, **PSECTROTANYPUS**: The record of *Psectrotanypus* was published 30 years ago with no confirmation since that the genus is truly Neotropical. It is more than likely either a misidentified *Apsectrotanypus* (now confirmed as a Neotropical genus) or one of the more recently described Macropelopiini genera from the Americas.
- sp.: FITTKAU & ROBACK, 1983, **CONCHAPELOPIA**: The *Conchapelopia* record from the Neotropical Region is based on pupal exuviae (Fittkau & Roback, 1983: 48) but the country or exact locality is not specified. Since this record was published a few new genera have been described in the *Thienemannimyia*-group and determining the correct genus of some pupal exuviae has become more difficult unless there are associated larvae and adult males. The *Conchapelopia* record from the Neotropical Region therefore requires confirmation.
- sp.: RUIZ-MORENO, OSPINA-TORRES, GÓMEZ-SIERRA & REISS, 2000, **KRENOPELOPIA**: The record for *Krenopelopia* in Ruiz-Moreno *et al.* (2000) is the first for the genus from the Neotropical Region. The record is based on the description of the larval stage only which does seem to fit the larval diagnosis for *Krenopelopia* in the Holarctic. To confirm that *Krenopelopia* is truly Neotropical it will be necessary to rear and compare all life stages (larva, pupa and adult male) either from the locality in Colombia or

from elsewhere in the region.

- sp.: RUIZ-MORENO, OSPINA-TORRES, GÓMEZ-SIERRA & RISS, 2000, **RHEOPELOPIA**: The record for *Rheopelopia* in Ruiz-Moreno *et al.* (2000) is the first for the genus from the Neotropical Region. The record is based on the description of the larval stage only which does seem to fit the larval diagnosis for *Rheopelopia* in the Holarctic. To confirm that *Rheopelopia* is truly Neotropical, it will be necessary to rear and compare all life stages (larva, pupa and adult male) either from the locality in Colombia or from elsewhere in the region.
- sphagnicola** (KIEFFER, 1925), **LASIODIAMESA**: The type-localities as given in Ashe & Cranston (1990: 115) “Estonia, Pernau, Jöpre Bog; Ellamaa Bog” are incorrect and taken from Kieffer (1927: 69).
- spinifera** SERRA-TOSIO, 1968, **SYMPOTTHASTIA**: The paper by Serra-Tosio is usually cited as 1968 but was published in 1969. Consequently the 1968 date for *S. spinifera* given in previous published sources is incorrect.
- spinosicalcar** KIEFFER, 1923, **Nomina dubia probably in ZAVRELIMYIA**: The actual type-locality specified is “Bohême” and not “Bohême, Königgrätz” as given in Ashe & Cranston (1990: 137).
- squamifer** FREEMAN, 1961, **PROCLADIUS (PROCLADIUS)**: The species *squamifer* was subgenerically unplaced within *Procladius* in Cranston & Martin (1989: 256) but the available evidence indicates that it best fits placement in the subgenus *Procladius* **comb. nov.**
- squamiger** KIEFFER, 1924, **Nomina dubia in PROCLADIINI**: In the Palaearctic Catalogue (Ashe & Cranston, 1990: 122), the data given for *squamiger* refers to the second species description only but incorrectly says “grand lac de Puczensee” instead of “grand lac de Fuczensee”.
- stackelbergi** (GOETGHEBUER, 1933), **PSEUDODIAMESA**: The species description of *stackelbergi* begins on page 220 and not page 22 as given in Ashe & Cranston (1990) and in the latter publication the species was listed as a nomen dubium in *Pseudodiamesa*. The species was redescribed and recognised as valid in Linevich & Makarchenko (1989).
- starmachi** KOWNACKI & KOWNACKA, 1970, **DIAMESA**: In the original description of the species *Diamesa starmachi* in Kownacki & Kownacka (1970), two different spellings are given: *starmachii* (in the title) and *starmachi* (in the figures and page header on page 779). Since the species is named after Professor Dr Karol Starmach, the correct spelling is *starmachi* and not *starmachii*.
- steinenii** (GERCKE, 1889), **PAROCHLUS**: see note on *Parochlus brevipennis* Brundin.  
*steinenii steinenii*: sensu BRUNDIN, 1966, synonym of **PAROCHLUS brevipennis** BRUNDIN, 1966: See note on *Parochlus brevipennis* Brundin.
- stellatus** COQUILLET, 1902, **TANYPUS (TANYPUS)**: An old record of *T. (T.) stellatus* from Brazil was misidentified and now applies to the more recently described *T. (T.) lauroi* Serpa-Filho & Oliveira, 1992.
- stigmaticus** PHILIPPI, 1866, **PODONOMUS**: The year of publication of *Podonomus*

*stigmaticus* Philippi is changed from 1865 to 1866 – see note in the Bibliography on Philippi (1866). Although *P. stigmaticus* is treated as a valid species, it cannot be identified with certainty from the original description and the type is lost. However, it is the type-species of the genus *Podonomus* on which the Subfamily Podonominae is founded. See discussion on this problem in Ashe (1983: 43) and in Spies & Reiss (1996: 92). A neotype for *stigmaticus* could be selected from the type-material of an existing *Podonomus* species, probably from Central Chile, which is well defined and which matches the description of *P. stigmaticus*. The selected species would need to be known as an adult male, as an adult female (to include the “stigma” issue) and as a pupa. The two species would then be synonymized thereby ensuring that identification is possible while establishing *P. stigmaticus* as the valid name and senior synonym.

**subantarcticus** BRUNDIN, 1966, **PAROCHLUS**: The species *Parochlus subantarcticus* is missing from the Neotropical Catalog of Spies & Reiss (1996).

*subtenuis* (KIEFFER, 1918), synonym of **NATARSIA nugax** (WALKER, 1856): In the first description, the type-locality is given as “Ungarn” [= Hungary] but it is clear from the second description that this means the Austro-Hungarian Empire of 1918 which then included Slovakia.

**TANYPODINAE** KIEFFER, 1906: We accept that the availability of the name Tanypodinae is from Kieffer (1906) and not Skuse (1889) in anticipation that the planned application by Spies (2005: 8-9) to the Zoological Commission will be successful.

**TANYPODINI** KIEFFER, 1906: See note above on **TANYPODINAE** KIEFFER, 1906.

*tanypodipennis* ZETTERSTEDT, 1838, **Nomina dubia in TANYPODINAE**: The species *tanypodipennis* was originally described in the genus *Chironomus* and not in *Tanypus* as given in the Palearctic Catalogue (Ashe & Cranston, 1990: 140).

**tasmaniae** (FREEMAN, 1961), **PAROCHLUS**: Only tentatively included in *Parochlus* by Brundin (1966: 184) who considers that it could belong to *Rheochlus*.

**TELMATOGETON** SCHINER, 1867: The first description of *Telmatogeton* and the species *T. sanctipauli* Schiner have probably always been cited as 1866 in the literature on Chironomidae but the correct year of publication is 1867 – see Bibliography for the date of publication of Schiner (1867).

*tenuiventris* (KIEFFER, 1918), synonym of **NATARSIA punctata** (FABRICIUS, 1805): In the first description one of the type-localities is given as “Ungarn” [= Hungary] but it is clear from the second description that this means the Austro-Hungarian Empire of 1918 which then included Hungary and Romania.

**thienemanni** EDWARDS & THIENEMANN, 1938, **BOREOCHLUS**: The name *thienemanni* has previously been attributed to Edwards in Edwards & Thienemann (1938) but application of Article 50.1 of the Zoological Code (ICZN, 1999, 4th Edition) means the authorship of the species must be credited to Edwards & Thienemann.

**tibialis** EDWARDS & LENZ in LENZ, 1939, **COELOTANYPUS**: The authorship of the

species *tibialis* is not Edwards in Lenz (1939) but is changed to Edwards & Lenz in Lenz (1939) based on the opinion of Spies (2008: 175).

*tibialis* SAY, 1823, **Nomina dubia in TANYPODINAE**: The species *Tanypus tibialis* (Say, 1823) as a separate entry is missing from the most recent Nearctic Catalog of Oliver *et al.* (1990) though it does mention that *Tanypus tibialis* Staeger, 1845 (a synonym of *Parochlus kiefferi* Garrett) is preoccupied by *Tanypus tibialis* (Say, 1823). In the earlier Nearctic Catalog of Sublette & Sublette (1965: 181), it is listed as an unplaced species of Chironomidae. The species is not listed in the index of Roback's (1971) monographic treatment of the North American Tanypodinae. Until its status is resolved we have placed it as a nomen dubium in Tanypodinae.

**tonsa** (HALIDAY in WALKER, 1856), **DIAMESA**: In the Palaeartic Catalogue (Ashe & Cranston, 1990: 147), the species is wrongly attributed to Walker rather than to Haliday in Walker.

**triannulata** (GOETGHEBUER, 1921), **CONCHAPELOPIA**: A valid *Conchapelopia* species in Michiels & Spies (2002) and removed by them from synonymy with *Conchapelopia pallidula* (Meigen). The description of *Tanypus triannulatus* Goetghebuer (1921) begins on page 69 but the species is only named on page 70. Page 70 is therefore considered to be the correct page to cite.

**TRICHODIAMESA** GOETGHEBUER, 1926, synonym of **PRODIAMESA**: The type-species designation is by monotypy and not by "original designation and monotypy" as given in Ashe (1983: 53).

**TRICHOTOMESA** HRABĚ, 1940, synonym of **PSEUDODIAMESA**: The authorship of the name *Trichotomesa* in Hrabě (1940) is solely attributable to Hrabě and not to Pagast in Hrabě as given in Ashe (1983: 53).

**trizona** EDWARDS, 1931, **Generically unplaced valid MACROPELOPIINI**: In the Neotropical Catalog (Spies & Reiss, 1996: 82), *trizona* is listed as an "Unplaced valid species in Tanypodinae" but included here as a generically unplaced valid species of Macropelopiini.

*turpis* (ZETTERSTEDT, 1838), **synonym of PRODIAMESA olivacea** (MEIGEN, 1818): In the Palaeartic Catalogue of Ashe & Cranston (1990: 140, 157), the species *turpis* Zetterstedt is erroneously included twice, firstly (and wrongly) among the "Nomina dubia in Tanypodinae" and, secondly as a synonym of *Prodiamesa olivacea* which is the correct placement.

*unifascipennis* ZETTERSTEDT, 1838, **Nomina dubia in TANYPODINAE**: The correct spelling is *unifascipennis* and not *unifascippennis* as given in the Palaeartic Catalogue (Ashe & Cranston, 1990: 140).

*unifascippennis*: see note on *unifascipennis* Zetterstedt, 1838.

**vaillanti** KOWNACKI, 1982, **SYNDIAMESA**: The paper by Kowanacki is usually cited as 1981 but the inside cover of the issue has "© 1982" printed on it, confirming that the paper which includes the new species *Syndiamesa serratosioi* and *Syndiamesa vaillanti* was published sometime in 1982. Consequently the 1981 date for both species given in Ashe & Cranston (1990: 152) is incorrect.

- verna* KIEFFER, 1918, synonym of **PRODIAMESA olivacea** (MEIGEN, 1818): This species is missing from the Palaeartic Catalogue of Ashe & Cranston (1990) and is also a new synonym of *Prodiamesa olivacea*.
- vilipennis** (KIEFFER, 1918), **TANYPUS (TANYPUS)**: In the first description of *vilipennis*, the type-locality is given as “Ungarn” [= Hungary] but it is clear from the second description that this means the Austro-Hungarian Empire of 1918 which then included Romania.
- villarricensis** BRUNDIN, 1966, **PAROCHLUS**: The correct spelling is *villarricensis* not *villaricensis* as given in Spies & Reiss (1996: 79).
- vittigera** EDWARDS, 1931, **Generically unplaced valid MACROPELOPIINI**: In the Neotropical Catalog (Spies & Reiss, 1996: 82), *vittigera* is listed as an “Unplaced valid species in Tanypodinae” but included here as a generically unplaced valid species of Macropelopiini.
- xanthina** EDWARDS, 1931, **Generically unplaced valid MACROPELOPIINI**: In the Neotropical Catalog (Spies & Reiss, 1996: 82), *xanthina* is listed as an “Unplaced valid species in Tanypodinae” but included here as a generically unplaced valid species of Macropelopiini.
- ZAVRELIMYIA FITTKAU**: See note on *Peritaphreussa* Becker, 1908.
- zonata* (FABRICIUS, 1775), **Nomina dubia in TANYPODINAE**: Removed from synonymy with *Psectrotanypus varius* (Fabricius, 1787) for the reasons given in Spies & Sæther (2004: 18) and now treated as a nomen dubium in Tanypodinae.

### ABBREVIATIONS USED IN BIBLIOGRAPHY

No symbol = The actual day/month/year, e.g. [**19 March 1975**], is given if specified in the original publication and not disproven by external evidence. When a specified date of publication is known to be incorrect an explanation is given with the reference. For some references specific dates of publication were not given but in several cases these have been determined by contacting the editor – an explanation is given with the reference in such cases.

Asterisk Symbol: The library receiving date stamp, e.g. [**\*18 November 1922**], for a publication or the relevant part of a publication (e.g. issue of a journal or periodical) is taken as the earliest demonstrated date in the absence of more direct evidence. The number of asterisks identifies the relevant library as indicated below:-

\* = Receipt date in the Natural History Museum Library, London.

\*\* = Receipt date in the Smithsonian Institution Library, Washington, D. C. [data from Evenhuis (1989)].

\*\*\* = Receipt date in the Bishop Museum Library, Honolulu [data from Evenhuis (1989)].

\*\*\*\* = Receipt date in the British Library, London.

+ = The last day of the year, e.g. [**+31 December 1900**], or the last day of the month, e.g. [**+30 June 1962**], is taken as the date of publication if a more precise date other than the year, or the month and year, cannot, (a) be determined from the original work, or (b) be taken from other sources.

≤ = The “less than or equals sign” is used to indicate that there is evidence that a particular reference was published “on or before a specified date”, e.g. [**≤21 September 1800**]. The example is from Evenhuis (1997: 530) who indicates that Meigen (1800) was published prior to the 22 September 1800. Therefore the earliest provable date at present is on or before, as the symbol “≤” implies, the 21 September 1800.

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## TAXONOMIC INDEX

The year of publication is included if the same genus-group name was described more than once and if the same species-group name was described more than once and is in the same binominal combination (some described twice even in the same year).

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