

**WORLD BLACKFLIES (DIPTERA: SIMULIIDAE): A  
COMPREHENSIVE REVISION OF THE TAXONOMIC AND  
GEOGRAPHICAL INVENTORY [2010]**

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## Introduction to the 2010 Revision

The present revision of the Inventory of the world's Simuliidae continues our intent to provide yearly, fully updated electronic revisions of the World Inventory, which originally was issued in paper format by Crosskey (1988). The current revision, thus, includes all information known to us to have been published before 1 January 2010. The purpose and format of this inventory remain the same as for previous revisions.

Because each yearly update replaces previous web revisions, we retain relevant portions of previous web-based revisions. The Introduction to the 2008 revision and novel text from the Introduction to the 2009 revision, therefore, can be found before the References, which include literature from all revisions, beginning with 2008. We also have retained all nomenclatural changes (e.g., new combinations and new synonyms) and all notes from previous web revisions, beginning with 2008. These past changes and notes are summarized at the end of the "Notes for the current (2010) inventory". Table 1, which summarizes the numbers of formally named species in the genera of the world Simuliidae, is updated annually.

In this most recent revision of the Inventory, a total of 2113 formally named species (2101 living and 12 fossil) are listed as valid (Table 1), representing a net gain of 41 valid species since the 2009 inventory revision, all but 3 in the genus *Simulium*.

## Acknowledgments for the 2010 Revision

We thank C. E. Beard, R. A. Cheke, D. A. Craig, D. C. Currie, H. Takaoka, and D. Werner for providing literature and corrections to the 2009 revision.

## Explanatory information on the Inventory text

The explanatory information detailed here is drawn verbatim from the 2004 inventory of Crosskey & Howard, except where modified to reflect changes in our approach and updates to the current inventory revision.

### (1) Taxonomic information

#### *Scope*

The Inventory covers nominal taxa of blackflies known to us to have been described before 1 January 2009. Fossil taxa are included if they are unequivocally Simuliidae, and their palaeontological status is highlighted by enclosure of the entries in square brackets; the geological period is included as part of the provenance data. The following fossils that have been associated with the Simuliidae are excluded on grounds that their assignment to the family is clearly erroneous: *Liauningius robustus* (Hong, 1982) (Chironomidae), *Mesasilulium lahaigouense* Zhang, 1986 (family uncertain), *Pseudosimulium humidum* (Westwood in Brodie, 1845) (Rhagionidae), *Simulia pasitheia* Heyden, 1870 (? Ceratopogonidae), *Simulia terribilis* Förster, 1891 (? Ceratopogonidae), *Simulidium priscum* Westwood, 1854 (Rhagionidae), *Simulium* ? *ventricum* Lin, Yao, Xiang & Xia, 1988 (family uncertain). Taxa designated in the literature informally, e.g. by letters, numbers, place names, chromosomal diagnostic features, etc., are recorded and are entered where appropriate in the text in light of present knowledge. However, the simuliid literature is enormous and we do not guarantee that every informal handle for a taxon has been unearthed. The literature is replete with cases where unidentifiable specimens have been given no particular handle and simply referred to as 'sp.' (e.g. '*Simulium* sp.'). We have not attempted to record these or guess at the identities of species to which they might refer when there is no other information.

#### *Subspecies and complexes*

The subspecies category has not been widely used in the Simuliidae and when it has, the concept has usually borne little relation to the 'Mayrian' geographically based concept of a subspecies. Its main use has been in various works on the Palaearctic fauna by I.A. Rubtsov and summarised in Rubtsov & Yankovsky (1988). However, Yankovsky (1995) has since ceased to recognise these Rubtsovian subspecies as having separate validity and has disposed of most of them as straight synonyms. In the Inventory we list no subspecies as such but indicate where names are still sometimes applied to subspecies by a few authors in contemporary literature by suffixing the names with '(ssp.)' where they are listed in the appropriate species entry. It is now long established that

some apparently single species (morphospecies) are complexes of biologically separate sibling species, these usually defined on chromosomal criteria and conveniently called cytospecies. Where a morphospecies is known to be such an aggregate of sibling species the suffix '(complex)' has been given immediately following the valid species/author/date statement. In many such complexes the precise status of the constituents is often undetermined (i.e. they are not necessarily always of definite specific status) and they still lack formal scientific nomenclature. To deal with this situation we have suffixed each such name based on chromosomal characterisation with the inert term '(cytoform)': this is to be read as a non-committal umbrella for entities both of undetermined status (cytotypes) and of more or less completely definite sibling status (cytospecies). The equivalents 'molecular form' and 'morphoform' have been used for entities based, respectively, on gene sequences and hard-parts morphology but still only informally named.

### *Inventory format*

Scientific (Latinised) names entering into formal nomenclature are ranged to the left-hand margin if valid, but indented if they are synonyms. Valid names are alphabetical but synonyms are in chronological order to show their relative priorities. Vernacular 'names' are similarly ranged left, if on current knowledge, they could pertain to valid species but are indented if they are synonyms. Vernacularly named entities are listed chronologically (alphabetically within year) at the end of the appropriate entry, after the scientific names. Occasionally, when cyto-, molecular, or morphoforms have been more finely divided, the subdivisions are indented under the more inclusive form. For example, 'Kibwezi' is a cytoform of *S. damnosum*, which has been subdivided into two cytoforms, 'Kibwezi A1' and 'Kibwezi A2'. Similarly, when one form is known to be equivalent to another form, it is indented. For example, the 'Cypress Hills' cytoform is considered equivalent to cytoform 'AF', which in turn is a subdivision of cytoform 'X' within *S. craigi*. Taxonomic rank and validity or invalidity of names are distinguished by lettering style: generic and subgeneric names are in capitals (bold type when valid and lightface italics when synonyms), and specific names in lower case letters (bold type when valid and lightface italics when synonyms). In species-group headings, the specific name is highlighted by the use of capitals, e.g. 'ORNATUM species-group'. In the very rare situation where a species appears to be 'good' but its name is at present technically invalid, that name is ranged left and printed in lightface italics to show that it cannot be validly used; see below under 'Homonyms' where such cases refer to specific names that are unreplaced homonyms.

### *Nomenclature*

Spellings, authorship, dating, availability status, and other relevant aspects accord with the requirements of the current (fourth) edition of the *International Code of Zoological Nomenclature* published in 1999 and effective from 1 January 2000. It is noted particularly that, in accordance with articles 31.2 and 34.2, the spellings of specific names conform to the gender of the generic names with which they are combined; the gender of the subgenus (if any) is not relevant.

*Nomenclatural annotations.* Appropriate annotations are given when necessary, for instance when a name as published is unavailable (e.g. a *nomen nudum* or proposed for a variety or form after 1960) or was published as a replacement name for a preoccupied (junior) homonym, or the name has the technical status of an incorrect original or incorrect subsequent spelling. Where a name has been the subject of an official Opinion of the International Commission on Zoological Nomenclature, the Opinion number is given accompanied where relevant by the word 'List' or 'Index', the former referring to the Official List of Specific Names in Zoology and the latter to the Official Index of Rejected and Invalid Names in Zoology. (There is one instance of 'Gen. List' (i.e. *Cnetha*), this referring to the Official List of Generic Names in Zoology.)

*Homonyms.* It is necessary to call attention to a terminological change for names used to replace preoccupied names (homonyms). When the 1997 Inventory was published, these names, following the provisions of the then current 3<sup>rd</sup> edition of the *International Code of Zoological Nomenclature*, were termed 'replacement names' or (if not in fact needed) 'unjustified replacement names'. Regrettably, a wholly unnecessary change was made in the 4<sup>th</sup> edition of the *Code* whereby replacement names (unless being published for the first time) are called 'substitute names' and those already made but not required are called 'unnecessary substitute names'. The appropriate change has been made in order to conform to the current *Code*, and the abbreviation 'subst.' will be found in place of 'repl.'.

*Type species.* The type species is shown that applies for each generic and subgeneric name (whether valid or in synonymy) and its mode of fixation stated. The authors of names of the type species are omitted since these are provided in the appropriate species entry. If the nominal type species is not now valid the present senior synonym is shown in addition, e.g. '*HELLICHIA* Enderlein, 1925 (as genus). Type species: *macropyga*, as *latifrons*' indicates that *latifrons* was the cited type species when *Hellichia* was established but is now a junior synonym of *macropyga*.

*Changed combinations.* The author's name and year date of description are enclosed in parentheses (round brackets) whenever the species concerned is no longer in its original genus, i.e. when the current binomen (combination) differs from that of the original publication. This is to accord with *Code* Article 51.3. A point worth stressing here, since errors are still occurring in the simuliid literature, is that transfer of a species from one *subgenus* to another without change of generic assignment does not constitute a new combination in the meaning of the *Code*.

*Dates.* The year date applicable to a zoological name is that on which the publication containing it was issued (distributed). This date usually agrees with that stated on or in the publication, but in some cases the date is later than (or even precedes) the stated date

on the title page of the book or periodical part. When the actual date of issue can be found somewhere inside the publication (or in a list of issue dates specifically provided) but differs from the nominal date, the two dates are given in the form '1934 [1933]'; when the actual date of issue has been determined from outside the publication (e.g. from information provided by a publisher) the two dates are given in the form '[1988] [1987]'. In both cases the first date given is the correct one under the *Code* and should be cited for the taxon concerned. See *Code* recommendation 22A.2.3 relating to mode of citation.

*Specific names involving '-cola'*. There are several of these in the Simuliidae and there has been confusion concerning them. The suffix '-cola' is a noun in classical Latin (e.g. see Stearn, 1995) but the New Latin adjectival derivatives '-colus' (masculine), '-cola' (feminine) and '-colum' (neuter) have a long pedigree in zoology and their use in nomenclature has never been prohibited by the International Commission on Zoological Nomenclature. The spelling is not subject to alteration where it was clearly originally used as a noun, e.g. *Simulium monticola* Friederichs (mountain-dweller, use of *-cola* with neuter generic name) but is subject to gender change when used as an adjective, e.g. *Eusimulium alticolum* Dyar & Shannon (dwelling high, spelling showing use as adjective in combination with neuter generic name). Thus in the latter case, the original spelling *alticolum* is subject to mandatory change to *alticola* when combined with *Cnephia*, *Mayacnephia* or *Tlalocomyia* (all feminine). See also Brown (1956: 48).

*Varieties and forms described after 1960*. Under the *International Code of Zoological Nomenclature* (Articles 15.2 and 45.6.3), a name published for a 'variety' or 'form' after 1960 has no status in zoological nomenclature. It lies outside the provisions of the *Code*, is unavailable, and thus not a nominal taxon based upon type specimens. Such a name can become available by the action of the original author or some other later author if the entity is later treated as a subspecies or species (when it would enter into the purview of the *Code*). Not all authors publishing on Simuliidae since 1960 have noticed or observed this aspect of the *Code* and there are some names to be accounted for that come into this category. These are suitably annotated in the text. Fourteen of the names concerned (the majority) were published by Rubtsov for 'varieties' in 1962-1964 but only two of these have subsequently been made available. The others remain unavailable, though Yankovsky (1995) has listed them as if they are available nominal taxa and has cited for them 'holotypes' or 'lectotypes'. In fact, since the names are still unavailable (and likely to remain so) these putative primary types have no status as types. Rubtsov & Yankovsky (1988) listed the 'var.' names concerned as trinomials but did not state that they intended by this to 'promote' the entities to subspecies rank and Yankovsky (1995) has since disregarded the varietal names as mere synonyms of the species names concerned. The listing in trinomial form by Rubtsov & Yankovsky (1988) therefore did not confer availability upon them.

*Incorrect original and subsequent spellings*. The simuliid literature is littered with incorrect spellings of taxon names. The intended names of most misspellings are obvious (e.g., *latimurco* for *latimucro*), but some are so corrupted that their intention has been lost (e.g. *aweia* for *aureum*, *squina* for *equinum*). Because of the electronic search capability afforded by the current inventory revision, we believe there is utility in listing all incorrect original and subsequent spellings that we discovered in the primary literature, allowing the user to check the accuracy or intent of spelling variants in the literature against the correct spellings. However, we have by no means captured all incorrect spellings, and to attempt to do so, we feel, would be an exercise in misplaced scholarship. Incorrect spellings are listed alphabetically after vernacular names and before misidentifications. We have presented only a few misspellings of taxon names above the species, these being restricted to those of some importance.

### *Misidentifications*

The history of simuliid taxonomy is marked by an enormous amount of misidentification, not because of the incompetence of its practitioners but because of the extraordinary similarity of many species, especially when their early stages are still unknown – and sometimes even when they are known. Much of this was long ago and it would be unrealistic and pointless (even if it was practicable) to attempt to capture every instance which bedevils the literature. Some misidentifications, however, have been serious and/or long persistent and still have some continuing potential for misunderstanding. We have entered misidentifications, even if quite old, when their entry appears to us warranted in the interests of clarification. The included misidentifications are enclosed in square brackets and are given in the general form '[*hirtipes*: authors, not Meigen]' when the error occurs rather generally in the literature but in the more precise form '[*exiguum*: Dalmat, 1955, not Roubaud]' when the error pertains to, or originated in, an influential work of a certain date by a particular author; if several authors are responsible for misidentifications, they, with the dates of their works, are separated by a solidus (/). Where the misidentification involves important literature for a particular area, this is indicated by an appropriate addition, e.g. '[*mutata*: Japanese authors, not Malloch]'. Misidentifications are listed alphabetically at the end of a taxon entry.

### *Authors' names*

Several authors published under variant versions of their names. We have standardised as follows: Baranov (not Baranoff); Coscarón-Arias (not Coscaron-Arias, Coscarón Arias); Ibáñez-Bernal (not Ibañez-Bernal, Ibañez Bernal), Kachvoryan (not Kachvorian); Krüger (not Krueger); Ramírez-Pérez (not Ramirez Perez, Ramírez Pérez); Rubtsov (not Rubtzov, Rubzov, Rubzow); Sherban (not Serban, Şerban); Zivkovitch (not Zivkovic, Živković). For 'De' versus 'de' we have standardised to 'De' even if an author has occasionally used the lower case variant, hence for example De Meillon, De León. It proved impracticable, within the restraints of the format, to distinguish in a neat and uncluttered fashion between authors who happen to share the same surname, e.g. the Canadian specialist D.M. Davies and the British specialist L. Davies. Consequently, in common with usual catalogue and checklist procedure, the initials of 'duplicated' authors are omitted. (In practice the author(s) and year date given for any name will

be sufficient to trace the original reference through the *Zoological Record*.)

## (2) Geographical information

### *Distribution*

For each species considered valid, the distribution is shown in the right-hand column by alphabetical listing of the countries from which it has been recorded. For large countries (e.g. Canada) and those spanning a wide range of environments (e.g. Chile), the first-level subdivisions (e.g. province or region) for which there are records are shown, with the type locality given first and followed by the other subdivisions in alphabetical order of their abbreviations (see list of Geographical abbreviations below). Countries for which occurrence of the species is insufficiently substantiated are listed at the end, each with a parenthetical query mark against the name. If a country record is definitely an error, this is shown by placing the country name in quote marks and within square brackets; e.g. the entries under *Simulium hirsutum* Pomeroy of ‘[‘Sierra Leone’ error]’ and under *Simulium monticola* Friederichs of ‘[‘Britain’ error]’ show that the published records of the species from those particular countries are now known to be wrong (i.e. based on misidentifications). Geographical distributions also are provided for distinct forms, especially those suspected of being valid species. However, if a form is equivalent to the nominal species under which it is listed, rather than being a subdivision within that nominal species, its distribution is not given.

Siberia is treated separately as if it is an individual country. The individuality of Siberia follows that established by Soós & Papp (eds.) in their *Catalogue of Palaearctic Diptera* (14 volumes, 1984-1994), where the eastern part of the old USSR (now Russian Federation) is distinguished from European Russia. This has much to commend it both on practical and faunistic grounds. Another departure from the strictly administrative basis concerns Labrador and Newfoundland, entries for the latter referring only to the island, and the mainland area (Labrador) being entered independently. Isolated archipelagos have been treated separately from the mother country of which they are part: thus, the Balearics and Canaries are treated independently of Spain, the Azores and Madeira independently of Portugal.

A word should be said about the ‘negative’ aspects of distribution, those areas for which there are no records for one or other of three reasons: (1) areas not adequately prospected where Simuliidae presumed to occur; (2) areas well prospected and with suitable lotic habitat but Simuliidae absent; (3) areas without trace of running water and Simuliidae absent. Some of the presently negative areas worth pinpointing are as follows. In the first category are the large countries of Cambodia, Laos, Mauritania and Western Sahara and the Andaman and Nicobar Islands (no records traced for any of these areas). In the second category are the Hawaiian Islands, Samoan Islands, Tristan da Cunha and Kerguelen; in the third category are the streamless calcareous islands such as Bahamas, Bermuda and Cayman Islands, and superabundant streamless coral islands and atolls of the Pacific and Indian Oceans (also the dead volcano of Ascension Island). The Falkland Islands (Malvinas) appear to be negative but the streams have not been adequately surveyed.

### *Type locality*

For valid names the country of the type locality is given as the first entry in the geographical distribution statement, followed by a semicolon and augmented as appropriate by any first-level subdivisions given in parentheses. Where subdivisions within a country, or islands within an archipelago, are specified the first always pertains to the type locality and is given in unabbreviated form, e.g. ‘USA (California, Ari, Kan, Neb, Nev, Texas)’. For synonyms, the type locality is given as a country entry in square brackets after the synonym name entry, amplified if appropriate by any first-level subdivisions in parentheses, e.g. ‘[Italy (Sicily)]’ or ‘[Peru (Cuzco)]’. There are a few instances in which the type locality country cited in the Inventory differs from that given in the original species description, the reason being that the original type material is lost and a neotype has been designated from elsewhere. In such a case, the new type locality country is cited in the form ‘Afghanistan [neotype]’.

### *Geographical abbreviations*

Country names are given in full but to condense the text, it has been necessary to abbreviate most names of first-level subdivisions (regions, provinces, states). The basic principle has been to give single-word names in full up to a limit of five letters, abbreviating thereafter. Initial capitals are used for multiple-word names such as New York or San Luis Potosi and usually the first consecutive two or three letters for longer single-word names (varied if necessary to deal with names that share the first few letters). The abbreviations are as follows: -

**Argentina:** BA, Buenos Aires; Cat, Catamarca; Chu, Chubut; Cór, Córdoba; Cos, Corrientes; ER, Entre Rios; For, Formosa; LP, La Pampa; LR, La Rioja; Men, Mendoza; Mis, Misiones; Nqn, Neuquén; RN, Rio Negro; SDE, Santiago del Estero; SJ, San Juan; SL, San Luis; SC, Santa Cruz; SF, Sante Fe; TDF, Tierra del Fuego; Tuc, Tucumán.

*Note:* Isla de los Estados (Staten Island), part of the province of Tierra del Fuego, has been specified when appropriate.

**Australia:** ACT, Australian Capital Territory; NSW, New South Wales; NT, Northern Territory; Qld, Queensland; SA, South Australia; Tas, Tasmania; Vic, Victoria; WA, Western Australia.

**Brazil:** Amz, Amazonas; BFD, Brasilia Federal District; ES, Espirito Santo; Mar, Maranhão; MG, Minas Gerais; MGr, Matto Grosso; MGrN, Matto Grosso do Norte; MGrS, Matto Grosso do Sul; Par, Paraná; Pba, Paraíba; Per, Pernambuco; RGN, Rio Grande do Norte; RGS, Rio Grande do Sul; RJ, Rio de Janeiro; Ron, Rondônia; Ror, Roraima; SC, Santa Catarina; SP, São Paulo; Toc, Tocantins.

**Britain:** CI, Channel Islands; En, England; Sc, Scotland; Wa, Wales.

*Note:* The numerous islands associated with mainland Britain are not specified in the distribution data except for one instance where the Shetland Islands are type locality.

**Canada:** Alb, Alberta; BC, British Columbia; Lab, Labrador; Man, Manitoba; Nfld, Newfoundland; NB, New Brunswick; NS, Nova Scotia; Nun, Nunavut; NWT, Northwest Territories; Ont, Ontario; PEI, Prince Edward Island; Que, Quebec; Sask, Saskatchewan.

*Note:* Labrador and insular Newfoundland are separately listed for reasons given above. The Queen Charlotte Islands and islands of the Canadian Arctic for which there are records (Baffin, Banks, Southampton and Victoria) are specified when appropriate. Vancouver Island has been specified within BC only when it is a type locality.

**Chile:** Ant, Antofagasta; Ara, Araucania; Ata, Atacama; BB, Bio-Bio; Coq, Coquimbo; LL, Los Lagos; Mag, Magallanes; O'H, O'Higgins; San, Santiago; Tar, Tarapacá; TDF, Tierra del Fuego; Val, Valparaiso.

*Note:* Chiloé and Navarino Islands have been specified within the appropriate province whenever applicable.

**China:** Be, Beijing; Fu, Fujian; Gd, Guangdong; Gu, Guizhou; He, Heilongjiang; HK, Hong Kong; IM, Inner Mongolia; Ji, Jiangsu; Jx, Jiangxi; Li, Liaoning; Qi, Qinghai; Sg, Shandong; Sh, Shanxi; Si, Sichuan; Sx, Shaanxi; Xi, Xinjiang; Yu, Yunnan; Zh, Zhejiang.

**India:** AP, Andhra Pradesh; ArP, Arunachal Pradesh; HP, Himachal Pradesh; Ka, Karnataka (old Mysore); Ke, Kerala; Ma, Maharashtra; Me, Meghalaya; MP, Madhya Pradesh; Mr, Manipur; Na, Nagaland; Pu, Punjab; Sik, Sikkim; TN, Tamil Nadu (old Madras); UP, Uttar Pradesh; WB, West Bengal.

**Japan:** Hok, Hokkaido; Hon, Honshu; Ky, Kyushu, NI, Nansei (= Ryukyu) Islands; Sh, Shikoku.

**Mexico:** Ag, Aguascalientes; Ca, Chihuahua; Ch, Chiapas; Cl, Coahuila; Co, Colima; Cp, Campeche; Du, Durango; FD, Federal District; Gj, Guanajuato; Gu, Guerrero; Hi, Hidalgo; Ja, Jalisco; Ju, Juliaca; Mi, Michoacan; Mo, Morelos; MS, Mexico State; Na, Nayarit; NL, Nuevo Leon; Ox, Oaxaca; Pu, Puebla; Si, Sinaloa; SLP, San Luis Potosi; So, Sonora; Ta, Tamaulipas; Tb, Tabasco; Vz, Veracruz; Za, Zacatecas.

**New Guinea:** PNG, Papua New Guinea.

*Note:* The islands of Bougainville, Mussau, New Britain and New Ireland, all administratively parts of Papua New Guinea, are specified when appropriate.

**Peru:** Anc, Ancash; Apu, Apurimac; Are, Arequipa; Huá, Huánuco.

**Russia:** CR, Central Russia; KM, Karelia-Murmansk; NR, Northern Russia; SR, Southern Russia.

*Note:* The latitudinal division of European Russia into northern, central and southern areas follows the system used by Soós & Papp (1984-1994). On this system the northern area lies north of (approximately) 60° north latitude, the central area between 60° and 50°, and the southern area south of 50° (limited by the Caucasus and Kazakhstan). Karelia-Murmansk, with a fauna much like that of Fennoscandia, is specified separately.

**Siberia:** ES, Eastern Siberia; FE, Far East; WS, Western Siberia.

*Note:* The longitudinal division of Siberia into three regions follows the system used by Soós & Papp (1984-1994): West Siberia extends from the Urals to the Yenisei River, East Siberia from the Yenisei River to the border of the Magadan and Khabarovsk regions, and the Far East from that border to the Pacific limit of the Russian Federation.

**South Africa:** EC, Eastern Cape; FS, Free State; G, Gauteng; KZN, KwaZulu Natal; L, Limpopo; M, Mpumalanga; NC, Northern Cape; NW, North-West; WC, Western Cape.

*Note:* Mpumalanga was Eastern Transvaal (ET) and Limpopo Province was Northern Transvaal (NT) at the time of the 1997 Inventory.

USA: Ala, Alabama; Ari, Arizona; Ark, Arkansas; Cal, California; Col, Colorado; Con, Connecticut; DC, District of Columbia; Del, Delaware; Flo, Florida; Geo, Georgia; Ill, Illinois; Ind, Indiana; Kan, Kansas; Ken, Kentucky; Lou, Louisiana; Mar, Maryland; Mas, Massachusetts; Mic, Michigan; Min, Minnesota; Misp, Mississippi; Misr, Missouri; Mon, Montana; NC, North Carolina; ND, North Dakota; Neb, Nebraska; Nev, Nevada; NH, New Hampshire; NJ, New Jersey; NM, New Mexico; NY, New York; Okl, Oklahoma; Ore, Oregon; Pen, Pennsylvania; RI, Rhode Island; SC, South Carolina; SD, South Dakota; Ten, Tennessee; Ver, Vermont; Vir, Virginia; Was, Washington; Wis, Wisconsin; WV, West Virginia; Wyo, Wyoming.

*Note:* Alaska (spelled in full) is folded into the USA, a departure from previous inventory versions in which it was recognized as an individual entity equivalent to a country. The current arrangement reflects its faunistic treatment in the larger context of the North American continent (Adler *et al.*, 2004).

### (3) General abbreviations

attrib.	-	attributed to
Comb. n.	-	new combination
descrip.	-	description
f.	-	form
incl.	-	including
ICZN	-	International Commission on Zoological Nomenclature
loc.	-	locality
preocc.	-	preoccupied (of a junior homonym)
publ.	-	published
sp.	-	species
spp.	-	species (plural)
ssp.	-	subspecies
subst.	-	substitute (of name substituting for junior homonym)
Syn. n.	-	new synonymy
unav.	-	unavailable (infringing some aspect of Chapter 4 of the <i>Code</i> )
unpubl.	-	unpublished
var.	-	variety

### A note on common names for blackflies

In many parts of the world, especially where they are bloodsucking pests, blackflies have common (vernacular) names in local languages. Some of these vernacular names apply to simuliids generally and others to particular species, for example Blandford fly, a name strictly for *Simulium posticatum*. We have not included common names in this Inventory but direct the attention of anyone who would like information on such names to the Blackfly Vernacular Names Project. This is posted on the internet in the form of Wiki pages that allow anyone to access the names lists, and to provide additions or suggested amendments by typing them directly onto the pages. The pages can be found either at [www.blackflies.objectis.net/NamesZW](http://www.blackflies.objectis.net/NamesZW) or on [www.blackfly.org.uk](http://www.blackfly.org.uk) and following the link. More information on the project can be obtained from Dr. John B. Davies ([daviesjb@liverpool.ac.uk](mailto:daviesjb@liverpool.ac.uk)).

### Introduction to the 2008 Revision

A decade has passed since the publication of the world inventory of simuliids by Crosskey & Howard (1997), which listed 1660 valid, living species. That inventory was based on an earlier version (Crosskey, 1988) and followed by two updates (Crosskey, 1999, 2002) and a revised web version (Crosskey & Howard 2004). A flurry of taxonomic activity over the past three years now warrants an updated version of the 2004 inventory. The current version, also web based, is a collaboration between Adler and Crosskey, and was foreshadowed in the introduction to the 2004 inventory, with an eye toward maintaining periodic updates.

Our collaboration entails several rearrangements and compromises relative to the 2004 inventory version, notably the following, based primarily on Adler *et al.* (2004): (1) The more restricted interpretation for the tribe Prosimuliini is adopted. (2) *Helodon* and *Urosimulium* are treated in generic status. (3) *Aspathia* and *Boreosimulium* are recognized as valid subgenera. (4) *Hearlea* and *Shewellomyia* are subsumed in *Hemicnetha*. (5) *Obuchovia* is retained as a distinct subgenus, following Crosskey & Howard (2004), rather than recognized as a species group in the subgenus *Hemicnetha* (Adler *et al.* 2004); we agree, however, that the small size of the subgenus and the structural similarity of the included species do not justify recognition of species groups in *Obuchovia*. (6) The *griseifrons*, *multistriatum*, and *striatum* groups are retained in the subgenus *Simulium*, following Crosskey & Howard (2004), rather than in the subgenus *Aspathia* (Adler *et al.*, 2004). (7) *Mayacnephia* is subsumed in *Tlalocomyia*. (8) The common name for the Simuliidae is retained as one word ('blackflies'), rather than two ('black flies'; Adler *et al.*, 2004), to provide continuity with previous inventory versions. We emphasize, overall, the overwhelming consensus of opinion on the taxonomy and systematic arrangement of the more than 2000 valid taxa included in the present inventory.

The current inventory represents a new edition, covering information known to us to have been published before 1 January 2008. The main purpose of this inventory remains the same as for previous versions: “to provide a user-friendly systematic aid to a wide audience involved with almost any aspect of simuliid research, particularly in relation to biodiversity studies.” (Crosskey & Howard, 2004). A total of 2027 formally named species (2015 living and 12 fossil) are listed as valid, representing a net gain of 218 valid species since the 2004 inventory version. Extant species are represented among the major zoogeographic regions as follows: Afrotropical, 11%; Australasian, 12%; Nearctic, 11%; Neotropical, 16%; Oriental, 17%; Palearctic, 33%. These figures, however, should be interpreted cautiously. They reflect not only differential taxonomic effort in the various regions, but also differences in philosophical approaches to taxonomy and recognition of species. The Palearctic Region was dominated for more than 50 years by Ivan Rubtsov, who authored or coauthored 365 specific, subspecific, or varietal names for simuliids, many of which are beginning to fall to synonymy. Efforts in the Afrotropical Region have been biased toward the medically important *Simulium damnosum* complex. The figures also do not reflect species shared between two zoogeographic regions. About 13% of species in the Nearctic Region, for example, are shared with the Palearctic Region (Adler *et al.*, 2004).

All synonyms and vernacular names, as well as incorrect spellings and misidentifications known to us, are provided for each species. Also given are the countries of distribution, along with the region, state, province, or island for large or faunistically diverse countries; the country and any first-level subdivision of each type locality is specified.

Notes regarding new geographical, nomenclatural, and taxonomic information or interpretations are provided at the end of the inventory, listed alphabetically by taxon. These notes are linked to taxa in the inventory by an asterisk (\*). Particular attention should be given to the notes of previous inventories (Crosskey, 1988; Crosskey & Howard, 1997, 2004), not repeated here but invaluable as guides and interpretations to many of the entries in the current version.

## Introduction to the 2009 Revision

In this most recent revision of the Inventory, a total of 2072 formally named species (2060 living and 12 fossil) are listed as valid (Table 1), representing a net gain of 45 valid species since the 2008 inventory revision. Of the 26 valid extant genera, the genus *Simulium* includes just over 80% of the species. Twelve of the extant genera contain four or fewer extant species, and in time, might be shown to nest within other genera, requiring that their names be synonymized.

Although the number of simuliid species being described continues to increase, we are concerned about the growing number of unavailable names. In particular, failure to designate a type specimen and to name its depository when describing a new species renders the name unavailable, according to Articles 16.4.1 and 16.4.2 in the current (fourth) edition of the *International Code of Zoological Nomenclature*, published in 1999 and effective from 1 January 2000. Additionally, new species continue to be described using existing names in the same genus, resulting in primary homonyms and rendering the most recent (junior) names invalid.

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**Table 1. Numbers of Formally Named Species in the Genera of World Simuliidae.**

<u>Extant (Living) Species</u>		<u>Fossil Species</u>	
<b>Parasimulium</b>	4	<b>[Kovalevimyia]</b>	[1]
<b>Gymnopais</b>	12	<b>[Simulimima]</b>	[1]
<b>Helodon</b>	35	<b>[Archicnephia]</b>	[1]
<b>Levitinia</b>	3	<b>[Baisomyia]</b>	[1]
<b>Prosimulium</b>	75	<b>Ectemnia</b>	[2]
<b>Twinnia</b>	10	<b>Greniera</b>	[3]
<b>Urosimulium</b>	3	<b>[Gydarina]</b>	[1]
<b>Araucnephia</b>	2	<b>Simulium</b>	[1]
<b>Araucnephioides</b>	1	<b>[Simuliites]</b>	[1]
<b>Austrosimulium</b>	25	<b>TOTAL</b>	[12]
<b>Cnephia</b>	9		
<b>Cnesia</b>	3		
<b>Cnesiamima</b>	1		
<b>Crozetia</b>	2		
<b>Ectemnia</b>	4		
<b>Gigantodax</b>	65		
<b>Greniera</b>	13		
<b>Lutzsimulium</b>	4		
<b>Metacnephia</b>	57		
<b>Paracnephia</b>	19		
<b>Paraustrosimulium</b>	1		
<b>Pedrowyomyia</b>	4		
<b>Simulium</b>	1697		
<b>Stegopterna</b>	15		
<b>Sulcicnephia</b>	21		
<b>Tlalocomyia</b>	16		
<b>TOTAL</b>	2101		

## Inventory

### Order DIPTERA Linnaeus

#### Suborder NEMATOCERA Berthold

#### Family SIMULIIDAE Newman

SIMULIITES Newman, 1834 (as 'Natural Order': origin of family name SIMULIIDAE)  
SIMULIDES Zetterstedt, 1837  
SIMULINAE Rondani, 1840  
SIMULIINA Agassiz, 1846  
SIMULIDAE Haliday *in* Walker, 1851  
SIMULIADAE Haliday *in* Walker, 1851  
SIMULINA Rondani, 1856  
SIMULIDEA Bellardi, 1859  
SIMULIIDAE Dallas, 1869 (in *Zoological Record*: first actual use of modern family spelling)  
[MELUSINIDAE: authors, error based on type misidentification]

#### Subfamily PARASIMULIINAE Smart

PARASIMULIINAE Smart, 1945. Type genus: *Parasimulium* Malloch.  
*PARASIMULIINAE* Smart, 1944 (unav., *nomen nudum*)

#### Genus PARASIMULIUM Malloch

**PARASIMULIUM** Malloch, 1914 (as genus). Type species: *furcatum* (original designation)

#### Subgenus ASTONEOMYIA Peterson

**ASTONEOMYIA** Peterson, 1977 (as subgenus of *Parasimulium*). Type species: *melanderi* (original designation)

**melanderi** Stone, 1963 ..... USA (Washington); Canada (BC)  
'A' Adler, Currie & Wood, 2004 (*Parasimulium* sp.) ..... USA (Oregon)  
'n. sp.' Courtney, 1993 (*Parasimulium*)

#### Subgenus PARASIMULIUM Malloch s. str.

**crosskeyi** Peterson, 1977 ..... USA (Oregon)  
**furcatum** Malloch, 1914 ..... USA (California, Ore); Canada (BC)  
**stonei** Peterson, 1977 ..... USA (California, Ore, Was)

#### Subfamily SIMULIINAE Newman

#### Tribe PROSIMULIINI Enderlein

PROSIMULIINAE Enderlein, 1921. Type genus: *Prosimulium* Roubaud  
HELLICHIINI Enderlein, 1925. Type genus: *Hellichia* Enderlein  
GYMNOPAIDINAE Rubtsov, 1955. Type genus: *Gymnopais* Stone [stem: Gymnopaide-]  
HELODOIINI [*sic*] Ono, 1982 (correctly HELODONTINI). Type genus: *Helodon* Enderlein  
[KOVALEVIMYIINAE Kalugina, 1991]. Type genus: *Kovalevimyia* Kalugina

## Genus GYMNOPAIS Stone

**GYMNOPAIS** Stone, 1949 (as genus). Type species: *dichopticus* (original designation)

<b>andrei</b> Vorobets, 1984 .....	Siberia (Yakutskaya ES)
<b>bifistulatus</b> Rubtsov, 1955 .....	Siberia (Baikal ES); Mongolia
<i>bitistulatus</i> : incorrect subsequent spelling	
<b>dichopticoides</b> Wood, 1978 .....	Canada (Yukon, Alb, BC); USA (Alaska)
‘near <i>dichopticus</i> ’ Craig, 1974 / Davies, 1974 ( <i>Gymnopaïs</i> sp.)	
<b>dichopticus</b> Stone, 1949 .....	USA (Alaska); Canada (Yukon)
<b>fimbriatus</b> Wood, 1978 .....	Canada (Yukon); USA (Alaska)
<b>frontatus</b> Yankovsky, 1982 .....	Siberia (Kamchatka FE)
<i>boreopacificus</i> Yankovsky, 1996 (unnecessary subst. name)	
<b>holopticoides</b> Wood, 1978 .....	Canada (Northwest Territories [Victoria Island] incl. Banks Island, BC, Lab, Nun incl. Baffin Island, Que, Yukon); USA (Alaska)
‘n. sp.’ Downes, 1962 ( <i>Gymnopaïs</i> )	
<b>holopticus</b> Stone, 1949 .....	USA (Alaska); Canada (Yukon)
<b>lindneri</b> Rubtsov, 1963 .....	Siberia (Tuva WS)
<b>rubzovi</b> Bobrova, 1967 .....	Siberia (Altai WS)
<b>sexcornutus</b> Bodrova, 1975 .....	Siberia (Maritime FE)
<i>sexcornotus</i> : incorrect subsequent spelling	
<b>trifistulatus</b> Rubtsov, 1955 .....	Siberia (Baikal ES, Maritime FE)

## Genus HELODON Enderlein

**HELODON** Enderlein, 1921 (as genus). Type species: *ferrugineum* (original designation)

### Subgenus DISTOSIMULIUM Peterson

**DISTOSIMULIUM** Peterson, 1970 (as subgenus of *Prosimulium*). Type species: *pleurale* (original designation)

<b>daisetsensis</b> (Uemoto, Okazawa & Onishi, 1976) .....	Japan (Hokkaido)
<b>pleuralis</b> (Malloch, 1914) .....	Canada (British Columbia, Alb, Lab, NB, Nfld, Que, Yukon); USA (Alaska, Idaho, Was)
<i>tenuicalx</i> (Enderlein, 1925) [USA (Idaho)]	
<i>pancerastes</i> (Dyar & Shannon, 1927) [USA (Idaho)]	

### Subgenus HELODON Enderlein s. str.

**HELODON** Enderlein, 1921 (as genus)\*. Type species: *ferrugineus* (original designation)

*HAIMOPHAGA* Rubtsov, 1977 (as subgenus of *Ahaimophaga*). Type species: *multicaulis* (original designation)

*AHAIMOPHAGA* Rubtsov & Chubareva, 1977 [*in* Rubtsov] (unav., no designated type-species)

*AHAIMOPHAGA* Chubareva & Rubtsov, 1978 [*in* Chubareva] (as genus). Type species: *alpestris* (original designation)

*ACHAIMOPHAGA*: incorrect subsequent spelling

<b>alpestris</b> (Dorogostaisky, Rubtsov & Vlasenko, 1935) .....	Siberia (Irkutskaya ES, WS, FE incl. Commander Islands); Canada (BC, NWT, Yukon), China (Jilin), Kazakhstan, Mongolia, USA (Alaska)
<i>altaicus</i> (Rubtsov, 1956) [Kazakhstan]	
<i>relensis</i> (Rubtsov, 1956) [Siberia (Irkutskaya)]	
<i>komandorensis</i> (Rubtsov, 1971) [Siberia (Commander Islands)]	
‘J’ Hocking, 1950 ( <i>Prosimulium</i> sp.)	
<i>kalpestre</i> : incorrect subsequent spelling	
<b>aridus</b> (Rubtsov, 1971) .....	Mongolia
<b>beardi</b> Adler, Currie & Wood, 2004 .....	USA (Arizona, Cal, Ore)
‘3’ Newman, 1983 ( <i>onychodactylus</i> cytoform)	
<b>buturlini</b> (Rubtsov, 1956) .....	Siberia (Yakutskaya ES)
<b>chaos</b> Adler, Currie & Wood, 2004 .....	USA (Oregon, Cal, Was)
‘1a’ Newman, 1983 ( <i>onychodactylus</i> cytoform)	

‘1b’ Newman, 1983 ( <i>onychodactylus</i> cytoform) .....	Ore, Was
<b>chehciri</b> (Popov, 1977) .....	Siberia (Khabarovsk FE)
<b>clavatus</b> (Peterson, 1970) .....	Canada (Yukon, Alb, BC)
<i>albertensis</i> (Peterson & Depner, 1972) [Canada (Alberta)]	
<b>czekanowskii</b> (Rubtsov, 1956) .....	Siberia (Yakutskaya ES)
<i>czekanovskii, czenkanowskii</i> : incorrect subsequent spellings	
<b>diadelphus</b> Adler, Currie & Wood, 2004 .....	USA (Wyoming, Alaska, Idaho, Ore, Was); Canada (Alb, BC, Yukon)
‘2b’ Newman, 1983 ( <i>onychodactylus</i> cytoform)	
<i>diodelphus</i> : incorrect subsequent spelling	
<b>ferrugineus</b> (Wahlberg, 1844) [valid, ICZN Opinion 1496, List] .....	Sweden; Estonia, Finland, Norway, Russia (CR, NR), Siberia (WS)
<i>rufus</i> (Meigen, 1838) [ICZN List] [no locality, ? Sweden]	
<i>borealis</i> (Zetterstedt, 1842) [ICZN List] [Sweden]	
<b>irkutensis</b> (Rubtsov, 1956) .....	Siberia (Irkutskaya ES); Canada (Nun incl. Baffin Island, NWT incl. Banks and Victoria Islands, Yukon), USA (Alaska)
<i>perspicuus</i> (Sommerman, 1958) [USA (Alaska)]	
<i>martini</i> (Peterson, 1970) [Canada (Nunavut [as NWT]: Baffin Is.)]	
? ‘X’ Sommerman, 1953 ( <i>Prosimulium</i> sp.)	
‘#’ Sommerman, 1953 ( <i>Prosimulium</i> sp.)	
<i>ircutense, ireutense</i> : incorrect subsequent spellings	
<i>perspicum, pespicum</i> : incorrect subsequent spellings	
<b>kamtshaticus</b> (Rubtsov, 1940) .....	Siberia (Kamchatka FE)
<i>kamtschaticus</i> Rubtsov, 1939 (unav., <i>nomen nudum</i> )	
<b>kamui</b> (Uemoto & Okazawa, 1980) .....	Japan (Hokkaido)
[ <i>multicaulis</i> : Ono, 1976, not Popov]	
<b>laamii</b> (Beaucournu-Saguez & Bailly-Choumara, 1981) .....	Morocco
<b>lochmocola</b> (Sun, 2008) <b>Comb. n.</b> .....	China (Liaoning)
<b>makarovi</b> (Bodrova, 1988) [ <i>in</i> Bodrova & Luk’yanchuk] .....	Siberia (Sakhalin FE)
<b>mccreadiei</b> Adler, Currie & Wood, 2004 .....	USA (Washington, Cal, Ore)
‘7a’ Newman, 1983 ( <i>onychodactylus</i> cytoform) .....	Ore
‘7b’ Newman, 1983 ( <i>onychodactylus</i> cytoform) .....	Ore
<i>mecreaidiei</i> : incorrect subsequent spelling	
<b>mesenevi</b> (Patrusheva, 1975) .....	Siberia (Taymyrsky ES)
<b>multicaulis</b> (Popov, 1968) .....	Siberia (Khabarovsk FE, Sakhalin FE); Korea (South). [‘Japan’ error]
<i>mulicaulis, multicaulus, multiczauli</i> : incorrect subsequent spellings	
<b>newmani</b> Adler, Currie & Wood, 2004 .....	USA (Oregon)
‘5’ Newman, 1983 ( <i>onychodactylus</i> cytoform)	
<b>onychodactylus</b> (Dyar & Shannon, 1927) .....	USA (Colorado, Alaska, Cal, Idaho, Mon, NM, Ore, Utah, Was, Wyo); Canada (Alb, BC)
? ‘B’ Rothfels, 1979 (cytoform)	
‘6’ Newman, 1983 (cytoform)	
‘10’ Henderson, 1986 (cytoform)	
‘10a’ Henderson, 1985 (thesis) (cytoform)	
‘10b’ Henderson, 1985 (thesis) (cytoform)	
‘10c’ Henderson, 1985 (thesis) (cytoform)	
‘10d’ Henderson, 1985 (thesis) (cytoform)	
<i>onchodactulus, onchodactylum, onychodacthylum, onychodactilum, onycodactylum</i> : incorrect subsequent spellings	
<b>phytofagus</b> (Rubtsov, 1976) .....	Kazakhstan
<b>protus</b> Adler, Currie & Wood, 2004 .....	USA (Idaho, Alaska, Ore, Was)
‘4a’ Newman, 1983 ( <i>onychodactylus</i> cytoform) .....	Idaho, Ore, Was
‘4b’ Newman, 1983 ( <i>onychodactylus</i> cytoform) .....	Ore, Was
<b>rezidentsii</b> (Yankovsky, 2000) .....	Siberia (Khabarovsk FE)
<b>rhizomorphus</b> (Rubtsov, 1971) .....	Siberia (Magadanskaya FE)
<b>rubicundus</b> Rubtsov, 1956 .....	Siberia (Irkutskaya ES, FE); Mongolia
<b>sinensis</b> (Sun, 1994) .....	China (Liaoning)
<b>submulticaulis</b> (Yankovsky, 2000) .....	Siberia (Transbaikal ES)
<i>submulticaaulis</i> : incorrect subsequent spelling	
<b>susanae</b> (Peterson, 1970) .....	Canada (British Columbia, Alb, Yukon); USA (Alaska, Cal, Col, Idaho, Mon, NM, Ore, Utah, Was, Wyo)
‘A’ Rothfels, 1979 ( <i>onychodactylus</i> cytoform)	
‘2a’ Newman, 1983 ( <i>onychodactylus</i> cytoform)	

- ‘9’ Henderson, 1986 (*onychodactylus* cytoform)  
**trochus** Adler, Currie & Wood, 2004 ..... Canada (British Columbia); USA (Nev)  
 ‘8’ Henderson, 1986 (*onychodactylus* cytoform)

### Subgenus **PARAHELODON** Peterson

**PARAHELODON** Peterson, 1970 (as subgenus of *Prosimulium*). Type species: *decemarticulatus* (original designation)

- decemarticulatus** (Twinn, 1936) ..... Canada (Ontario, Alb, BC, Lab, Man, NWT, PEI, Que, Sask, Yukon); USA (Alaska, Maine, Wis)  
*decemartilulatum*, *decimarticulatus*: incorrect subsequent spellings  
**gibsoni** (Twinn, 1936) ..... Canada (Ontario, Alb, Man, Nun, NWT, Que, Sask); USA (Maine, Mic, Min, NH, Wis)  
**vernalis** Shewell, 1952 ..... Canada (Ontario); USA (Ark, Del, Mar, Vir)

### [Genus **KOVALEVIMYIA** Kalugina]

[**KOVALEVIMYIA** Kalugina, 1991 (as genus). Type species: *lacrimosa* (original designation)]

- [**lacrimosa** Kalugina, 1991] ..... [Siberia (Chitinskaya ES): Upper Jurassic or Lower Cretaceous]

### Genus **LEVITINIA** Chubareva & Petrova

**LEVITINIA** Chubareva & Petrova, 1981 (as genus). Type species: *tacobi* (original designation)

- freidbergi** Beaucournu-Saguez & Braverman, 1987 ..... Syria (Golan)  
**tacobi** Chubareva & Petrova, 1981 ..... Tajikistan  
**tamarae** Koshkimbaev & Ismagulov, 1992 ..... Kazakhstan

### Genus **PROSIMULIUM** Roubaud

- PROSIMULIUM** Roubaud, 1906 (as subgenus of *Simulium*)\*. Type species: *hirtipes* (subsequent designation of Malloch, 1914)  
*HELLICHIA* Enderlein, 1925 (as genus). Type species: *macropyga*, as *latifrons* (original designation)  
*TAENIOPTERNA* Enderlein, 1925 (as genus). Type species: *macropyga* (original designation)  
*MALLOCHELLA* Enderlein, 1930 (preocc.) (as genus). Type species: *hirtipes*, as *sibirica* (original designation)  
*MALLOCHIANELLA* Vargas & Díaz Nájera, 1948 (subst. name for *Mallochella* Enderlein, same type species)  
*PIEZOSIMULIUM* Peterson, 1989 (as genus). Type species: *neomacropyga*, as *jeanninae* (original designation)

#### HIRTIPES species-group

- albense** Rivosecchi, 1961 ..... Italy (incl. Sicily); Algeria  
*silana* Rivosecchi, 1967 (unav., form post-1960)  
**apoina** Ono, 1977 ..... Japan (Hokkaido)  
*apoinum*: incorrect subsequent spelling  
**approximatum** Peterson, 1970 ..... Canada (Quebec, NB, Nfld, Ont); USA (Mas, Mic, Wis)  
*[mysticum*: authors, not Peterson]  
**arshanense** Rubtsov, 1956 ..... Siberia (Irkutskaya ES)  
**arvum** Adler & Kim, 1985 ..... USA (Pennsylvania, Ala, Ark, Geo, Maine, Mic, Misp, NC, NH, NJ, NY, SC, Ten, Texas, Vir, Wis, WV); Canada (Ont, Que)  
 ‘4’ Syme, 1957 (thesis) (*hirtipes* morphoform)  
*[approximatum*: authors, not Peterson]  
**calabrum** Rivosecchi, 1966 ..... Italy  
**clandestinum** Adler, Currie & Wood, 2004 ..... USA (New Jersey, Pen, Vir)  
**daviesi** Peterson & DeFoliart, 1960 ..... USA (Utah, Col, Idaho, Mon, NM, Ore, Was, Wyo); Canada (BC)  
 ‘199’ Peterson, 1959 (*Prosimulium* sp.)  
**doveri** Sommerman, 1962 [1961] ..... USA (Alaska, Was); Canada (BC incl. Queen Charlotte)

‘E’ Sommerman, 1958 ( <i>hirtipes</i> morphoform)	Islands)
‘n. sp.’ Rothfels, 1979 ( <i>Prosimulium</i> )	
[ <i>travisi</i> : Sommerman, 1953 / Sommerman <i>et al.</i> , 1955, not Stone]	
<b>esselbaughi</b> Sommerman, 1964 .....	USA (Alaska, Cal, Mon, Nev, Ore, Was); Canada (Alb, BC incl. Queen Charlotte Islands, Yukon)
‘2’ Sommerman, 1958 ( <i>hirtipes</i> morphoform)	
‘Alaskan <i>mixtum</i> ’ Syme & Davies, 1958 ( <i>Prosimulium</i> sp.)	
‘2 (Alaska)’ Basrur, 1962 ( <i>hirtipes</i> cytoform)	
<i>esselbaughi</i> : incorrect subsequent spelling	
[ <i>hirtipes</i> : Sommerman, 1953, not Fries]	
<b>fontanum</b> Syme & Davies, 1958 .....	Canada (Ontario, NB, Que); USA (Maine, Mic, NH, NY, Pen)
‘16’ Rothfels, 1956 ( <i>Prosimulium</i> cytoform)	
‘3’ Syme & Davies, 1958 ( <i>hirtipes</i> morphoform)	
<i>fontanatum</i> : incorrect subsequent spelling	
<b>formosum</b> Shewell, 1959 .....	Canada (British Columbia: Vancouver Island, Queen Charlotte Islands and mainland, Alb, Yukon); USA (Ari, Cal, Idaho, Mon, NM, Ore, Was, Wyo)
<b>frohnei</b> Sommerman, 1958 .....	USA (Alaska, Cal, Col, Mon, Wyo); Canada (Alb, BC, Yukon)
<b>frontatum</b> Terteryan, 1956 .....	Armenia; Azerbaijan
<i>stenopalpe</i> Rubtsov, 1956 [Armenia]	
<i>strnopalpis</i> : incorrect subsequent spelling	
<b>fulvipes</b> (Edwards, 1921) .....	Bulgaria; Czech Republic, Germany, Hungary, Italy, Slovakia, Turkey
<i>subrufipes</i> Knoz, 1980 [Czech Republic]	
<b>fulvithorax</b> Shewell, 1959 .....	Canada (British Columbia: Vancouver Island and mainland); USA (Cal, Mon, Ore)
‘1’ Basrur, 1962 ( <i>Prosimulium</i> sp.)	
<b>fulvum</b> (Coquillett, 1902) .....	USA (Montana, Alaska, Cal, Col, Idaho, Ore, Utah, Was, Wyo); Canada (Alb, BC, Yukon)
[ <i>ochraceum</i> : Baker, 1897 / Coquillett, 1898, 1900, not Walker]	
<b>fuscum</b> Syme & Davies, 1958 .....	Canada (Ontario, Man, NB, NS, PEI, Que incl. Magdalen Islands, Sask); USA (Mas, Mic, NH, NJ, NY, Pen, Wis)
<i>mysticum</i> Peterson, 1970 [USA (Wisconsin)]	
‘1’ Rothfels, 1956 ( <i>hirtipes</i> cytoform)	
‘#2’ Anderson & Dicke, 1960 ( <i>Prosimulium</i> sp.)	
<b>gigas</b> Rubtsov, 1956 .....	Russia (Caucasus)
<b>hirtipes</b> (Fries, 1824) .....	Sweden; Andorra, Austria, Belgium, Bosnia, Britain (En, Sc), China (He, IM, Li), Czech Republic, Finland, France, Germany, Hungary, Ireland, Italy (incl. Sicily), Latvia, Luxembourg, Norway, Poland, Romania, Russia (CR, NR), Siberia (ES, WS), Slovakia, Slovenia, Spain, Switzerland, Ukraine, Netherlands (?). [Not North America (misidentified)]
<i>sibiricum</i> (Enderlein, 1930) [Siberia (Yakutskaya)]	
<i>diminutum</i> Rubtsov, 1956 [Siberia (Irkutskaya)]	
<i>italicum</i> Rivosecchi, 1967 (ssp.) [Italy]	
‘3’ Kunze, 1953 ( <i>Simulium</i> species)	
<i>girtipes</i> , <i>hirtum</i> : incorrect subsequent spellings	
<b>idemai</b> Adler, Currie & Wood, 2004 .....	USA (California)
<b>irritans</b> Rubtsov, 1940 .....	Siberia (Maritime, Sakhalin FE); China (He, Jilin, Li)
<b>isos</b> Rubtsov, 1956 .....	Siberia (Khabarovsk, Kamchatka FE)
<i>isio</i> : incorrect subsequent spelling	
<b>jacuticum</b> Rubtsov, 1973 .....	Siberia (Yakutskaya ES)
<i>tiksiense</i> Yankovsky, 1996 (unnecessary subst. name)	
<b>jezonicum</b> (Matsumura, 1931) .....	Japan (Hokkaido incl. Rebun Island and Rishiri Island, Hon); Siberia (Sakhalin FE)
<i>sapporoense</i> (Shiraki, 1935) [Japan (Hokkaido)]	
[ <i>crassitarsis</i> : Matsumura, 1915, not Macquart]	
[ <i>hirtipes</i> (part): authors (Japan), not Fries]	
<b>kanii</b> Uemoto, Onishi & Orii, 1973 .....	Japan (Honshu)
<b>karibaense</b> Ono, 1980 .....	Japan (Hokkaido)
<b>kiotoense</b> Shiraki, 1935 .....	Japan (Honshu, Ky)
‘Mukashi-buyu No. 1’ Kani, 1944	
[ <i>hirtipes</i> (part): authors (Japan), not Fries]	
<b>latimucro</b> (Enderlein, 1925) .....	France; Austria, Bosnia, Britain (En, Sc, Wa), Bulgaria, Czech Republic, France (Corsica), Germany, Ireland, Italy, Montenegro, Morocco [not <i>latimucro</i> s. str. ?], Norway, Poland, Portugal, Romania, Slovakia, Spain, Switzerland. [‘Sweden’ error]
<i>inflatum</i> Davies, 1957 [Britain (England)]	
<i>goidanichi</i> Rubtsov, 1964 [Italy]	
‘aff. 1’ Basrur, 1959 (cytoform)	
<i>conystilum</i> : incorrect subsequent spelling	

<i>latimurco</i> : incorrect subsequent spelling	
[ <i>conistylum</i> : authors, not Rubtsov]	
[ <i>hirtipes</i> : authors, not Fries]	
<b>liaoningense</b> Sun & Xue, 1994 .....	China (Liaoning)
<i>lianingsense</i> : incorrect subsequent spelling	
<b>luganicum</b> Rubtsov, 1956 .....	Russia (St Petersburg CR, KM); Finland, Latvia, Norway, Poland, Sweden, Romania (?)
<b>minifulvum</b> Adler, Currie & Wood, 2004 .....	USA (California, Idaho)
<b>mixtum</b> Syme & Davies, 1958 .....	Canada (Ontario, Lab, NB, Nfld, NS, PEI, Que incl. Magdalen Islands); USA (Ala, Ark, Geo, Ill, Ind, Ken, Maine, Mar, Mic, NC, NH, NJ, NY, Ohio, Pen, SC, Ten, Ver, Vir, Wis, WV)
<i>calceatum</i> Say, 1835 (unav., <i>nomen nudum</i> )	
‘2’ Rothfels, 1956 ( <i>hirtipes</i> cytoform)	
‘1’ Pinkovsky, 1970 (thesis) ( <i>Prosimulium</i> sp.)	
[ <i>hirtipes</i> : New world authors, not Fries]	
<b>nevexalatamus</b> Sun, 2008 .....	China (Liaoning)
<b>petrosom</b> Rubtsov, 1955 .....	Azerbaijan; Armenia, Bulgaria, Georgia, Ukraine (Crimea), Lebanon (?). [? = <i>latimucro</i> ]
<i>nigratum</i> Rubtsov, 1956 [Ukraine]	
<b>rachiliense</b> Djafarov, 1954 .....	Azerbaijan; Armenia, Bulgaria, Greece (Rhodes), Romania, Russia (Caucasus), Turkey
<i>pronevitschae</i> Rubtsov, 1955 [Russia (Caucasus)]	
<i>pronevitshae</i> , <i>pronevitshe</i> : incorrect subsequent spellings	
<b>rhizophorum</b> Stone & Jamnback, 1955 .....	USA (Pennsylvania, Ala, Con, Del, Geo, Ill, Ind, Ken, Maine, Mar, Mas, NC, NH, NJ, NY, Ohio, RI, Ten, Vir, WV)
‘14’ Jamnback, 1953 (thesis) ( <i>Prosimulium</i> sp.)	
<i>rhizophrum</i> , <i>rhizophum</i> , <i>rhyzophorum</i> : incorrect subsequent spellings	
<b>rufipes</b> (Meigen, 1830) (complex) .....	Germany; Algeria, Andorra, Austria, Bosnia, Bulgaria, Czech Republic, France, Greece, Hungary, Italy (incl. Sicily), Latvia, Luxembourg, Montenegro, Morocco, Poland, Romania, Serbia, Slovakia, Slovenia, Spain, Switzerland, Turkey
<i>gallii</i> (Edwards, 1921) [Switzerland]	
<i>conistylum</i> Rubtsov, 1956 [Italy]	
<i>aestivalis</i> Knoz, 1963 (unav., form post-1960)	
‘aff. 2’ Basrur, 1959 ( <i>inflatum</i> [= <i>latimucro</i> ] cytoform)	
<i>conistilum</i> , <i>constylum</i> : incorrect subsequent spellings	
<i>galli</i> : incorrect subsequent spelling	
[ <i>fuscipes</i> : Knoz, 1965, not von Roser]	
<b>rusticum</b> Adler, Currie & Wood, 2004 .....	USA (Arizona)
<b>saltus</b> Stone & Jamnback, 1955 .....	USA (New York, Geo, Ten, WV)
<b>sarurensis</b> Ono, 1976 .....	Japan (Hokkaido)
<i>sarurensis</i> : incorrect subsequent spelling	
<b>secretum</b> Adler, Currie & Wood, 2004 .....	USA (California); Canada (BC)
<b>shewelli</b> Peterson & DeFoliart, 1960 .....	USA (Wyoming, Cal, Col, Utah); Canada (BC)
<i>woodorum</i> Peterson, 1970 [Canada (British Columbia)]	
<i>opleri</i> Peterson & Kondratieff, 1995 [1994] [USA (Colorado)]	
<b>tomosvaryi</b> (Enderlein, 1921 [June]) .....	Germany; Andorra, Austria, Armenia, Azerbaijan, Belgium, Bosnia, Britain (En, Sc), Bulgaria, Czech Republic, France, Georgia, Greece, Hungary, Ireland, Italy (incl. Sicily), Luxembourg, Morocco, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Switzerland, Turkey, Ukraine
<i>picipes</i> (Stephens, 1829) (unav., <i>nomen nudum</i> )	
<i>fuscipes</i> (von Roser, 1840) (preocc.) [Germany]	
<i>tomosvaryi</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i> )	
<i>nigripes</i> Enderlein, 1925 [Germany]	
<i>pexifrons</i> Enderlein, 1925 [Austria]	
<i>balcanicum</i> Enderlein, 1929 [Bulgaria]	
<i>canbolicum</i> (Smart, 1944) (subst. name, for <i>balcanicum</i> )	
<i>pseudohirtipes</i> (Smart, 1944) (subst. name, for <i>nigripes</i> )	
<i>arvernense</i> (Grenier, 1947) [France]	
<i>duodecimfiliatum</i> Rubtsov, 1955 [Armenia]	
<i>maruashvili</i> Machavariani, 1966 [Georgia]	
<i>arvenense</i> , <i>avernense</i> : incorrect subsequent spellings	
<i>momosvaryi</i> : incorrect subsequent spelling	
[ <i>vigintiquaterni</i> : authors, not Enderlein]	
<b>transbrachium</b> Adler & Kim, 1985 .....	USA (Pennsylvania, Vir)
‘X’ Adler, 1983 (thesis) ( <i>Prosimulium</i> sp.)	
<b>travisi</b> Stone, 1952 .....	USA (Alaska, Ari, Cal, Col, Mon, Nev, NM, Ore, Utah, Was); Canada (Alb, BC incl. Queen Charlotte Islands, Yukon)
[ <i>esselbaughi</i> : Elgmork & Saether, 1970 / Saether, 1970, not Sommerman]	
<b>tridentatum</b> Rubtsov, 1940 .....	Siberia (Irkutskaya ES, FE); Mongolia

<b>unispinum</b> Rubtsov, 1967 .....	Siberia (Buryatskaya ES, FE)
<b>yezoense</b> Shiraki, 1935 .....	Japan (Hokkaido, Hon, Ky, Sh); Siberia (Sakhalin FE)
<i>alpium</i> Ogata, 1956 (unav., named aberration) [ssp.]	
‘Mukashi-buyu No. 2’ Kani, 1944	
<i>ezoense</i> , <i>yesoense</i> : incorrect subsequent spellings	
‘aff. 3’ Basrur, 1959 ( <i>inflatum</i> [= <i>latimucro</i> ] cytoform) .....	Austria
‘n. sp.’ Rothfels, 1979 ( <i>Prosimulium</i> cytoform [Europe])	

#### MACROPYGA species-group

<b>candicans</b> Rubtsov, 1956 .....	Siberia (Baikal ES); Mongolia
<b>erythronotum</b> Rubtsov, 1956 .....	Siberia (Khabarovsk FE)
<b>intercalare</b> Rubtsov, 1956 .....	Siberia (Chitinskaya ES)
<b>kolymense</b> Patrusheva, 1975 .....	Siberia (Magadanskaya FE)
<b>macropyga</b> (Lundström, 1911) .....	Finland; Norway, Russia (KM, NR), Siberia (ES, WS), Sweden
<i>latifrons</i> (Enderlein, 1925) [Norway]	
<i>zaitzevi</i> Rubtsov, 1956 [Siberia (Tyumen)]	[Yankovsky, 2003 [2002] treats <i>zaitzevi</i> as valid sp.]
<i>arcticum</i> Rubtsov & Carlsson, 1965 (preocc.) [Siberia (Taymyrsky)]	
<i>korshunovi</i> Patrusheva, 1975 [Siberia (Polyarnyy Ural)]	
<i>kershunovi</i> : incorrect subsequent spelling ( <i>Zoological Record</i> )	
<i>macrogapyga</i> , <i>macropiga</i> , <i>macropuga</i> , <i>macropygia</i> , <i>micropyga</i> :	
incorrect subsequent spellings	
<i>zaitzevi</i> : incorrect subsequent spelling	
[ <i>latimucro</i> : Rubtsov & Carlsson, 1965, not Enderlein]	
<b>neomacropyga</b> Peterson, 1970 .....	USA (Alaska: Saint Matthew Island and mainland, Col, Wyo); Canada (Yukon)
<i>jeanninae</i> (Peterson, 1989) [USA (Colorado)]	
<i>wui</i> Peterson & Kondratieff, 1995 [1994] [USA (Colorado)]	
‘n. sp.’ Bushnell, Foster & Wahle, 1987 ( <i>Prosimulium</i> )	
‘n. sp. B’ Bushnell, Foster & Wahle, 1987 ( <i>Prosimulium</i> )	
‘near <i>frohnei</i> ’ Bushnell, Foster & Wahle, 1987 ( <i>Prosimulium</i> sp.)	
‘near <i>neomacropyga</i> ’ Peterson, 1989 ( <i>Prosimulium</i> sp.)	
[ <i>ursinum</i> : authors, not Edwards]	
<b>oligoaristatum</b> Rubtsov, 1971 .....	Tajikistan
<b>pamiricum</b> Chubareva & Petrova, 1983 .....	Tajikistan
<b>pecticrassum</b> Rubtsov, 1956 .....	Siberia (Irkutskaya ES, WS)
<b>tredecimfistulatum</b> Rubtsov, 1956 .....	Siberia (Buryatskaya ES, WS)
<i>tridecimfistulatum</i> : incorrect subsequent spelling	
<b>ursinum</b> (Edwards, 1935) (complex) .....	Norway (Bear Island = Björnöya, mainland); Canada (BC, Lab, Nun incl. Baffin and Southampton Islands, NWT, Que, Yukon), Finland, Greenland, Iceland, Russia (KM), Sweden, USA (Alaska)
<i>ursinum</i> (Edwards, 1935, p. 473) (unav., <i>nomen nudum</i> )	
<i>browni</i> (Twinn, 1936) [Canada (Nunavut [as NWT]: Baffin Island)]	
‘O’ Rothfels, 1956 ( <i>Prosimulium</i> cytoform)	
[ <i>macropyga</i> : Chubareva, 1977, 1978, not Lundström]	
<b>ventosum</b> Rubtsov, 1956 .....	Siberia (Irkutskaya ES)

#### MAGNUM species-group

<b>albionense</b> Rothfels, 1956 .....	Canada (Ontario); USA (Ala, Ark, Geo, Ind, Ken, Mar, Mic, NH, NJ, NY, Ohio, Pen, Ten, Vir, Wis, WV)
‘nr. <i>magnum</i> ’ Phelps & DeFoliart, 1964 ( <i>Prosimulium</i> sp.)	
‘3’ Ottonen & Nambiar, 1969 ( <i>magnum</i> cytoform)	
‘Y <sub>c</sub> X <sub>0</sub> hybrid’ Ottonen & Nambiar, 1969 ( <i>magnum</i> cytoform)	
‘intermediate’ Ottonen & Nambiar, 1969 ( <i>magnum</i> cytoform)	
[ <i>magnum</i> : authors, not Dyar & Shannon]	
<b>canutum</b> Adler, Currie & Wood, 2004 .....	USA (Wisconsin, Mic, NJ, NY, Pen, WV)
‘2’ Ottonen & Nambiar, 1969 ( <i>magnum</i> cytoform)	
[ <i>multidentatum</i> : Crans, 1996, not Twinn]	
<b>caudatum</b> Shewell, 1959 .....	Canada (British Columbia: Vancouver Island and mainland); USA (Cal, Ore, Was)
<b>constrictistylum</b> Peterson, 1970 .....	Canada (British Columbia); USA (Nev)
‘X’ Ottonen, 1966 ( <i>Prosimulium</i> cytoform)	



<b>dicentum</b> Dyar & Shannon, 1927 .....	USA (California, Ore, Was)
<b>dicum</b> Dyar & Shannon, 1927 .....	Canada (British Columbia incl. Queen Charlotte Islands); USA (Alaska, Ari, Cal, NM, Ore, Was)
<b>exigens</b> Dyar & Shannon, 1927 .....	USA (Idaho, Ari, Cal, Col, Mon, Nev, NM, SD, Utah, Was, Wyo); Canada (BC, Alb)
<i>hardyi</i> (Stains & Knowlton, 1940) [USA (Utah)]	
<i>longilobum</i> Peterson & DeFoliart, 1960 [USA (Utah)]	
<b>flaviantennus</b> (Stains & Knowlton, 1940) .....	USA (Utah, Ari, Cal, Col, Idaho, NM, Wyo)
<i>flaviantennum</i> , <i>flaviatennus</i> : incorrect subsequent spellings	
<b>impostor</b> Peterson, 1970 .....	Canada (British Columbia); USA (Ari, Cal, Ore)
‘Y’ Ottonen, 1966 ( <i>Prosimulium</i> cytoform)	
<b>longirostrum</b> Currie, Adler & Wood, 2004 [ <i>in</i> Adler, Currie & Wood]. ..	USA (Oregon)
<b>magnum</b> Dyar & Shannon, 1927 .....	USA (Virginia, Ala, Ark, Geo, Ill, Ind, NH, NJ, NY, Pen, SC, Ten)
<i>frisoni</i> (Dyar & Shannon, 1927) [USA (Illinois)]	
‘1’ Ottonen & Nambiar, 1969 (cytoform)	
‘B’ Traore, 1992 (thesis) ( <i>lapsus</i> for <i>magnum</i> s. str.)	
<b>multidentatum</b> (Twinn, 1936) .....	Canada (Quebec, Ont); USA (Ken, Maine, Mic, NY, Wis)
<b>uinta</b> Peterson & DeFoliart, 1960 .....	USA (Wyoming, Ari, Utah)
<b>unicum</b> (Twinn, 1938) .....	USA (Utah, Ari)

#### [Genus SIMULIMIMA Kalugina]

[SIMULIMIMA Kalugina, 1985 [ <i>in</i> Kalugina & Kovalev] (as genus). Type species: <i>grandis</i> (original designation)]	
[ <b>grandis</b> Kalugina, 1985 [ <i>in</i> Kalugina & Kovalev]] .....	[Siberia (Buryatskaya ES): Middle Jurassic]

#### Genus TWINNIA Stone & Jamnback

TWINNIA Stone & Jamnback, 1955 (as genus). Type species: *tibblesi* (original designation)

<b>cannibora</b> Ono, 1977 .....	Japan (Hokkaido)
<i>cannivora</i> , <i>cannivora</i> : incorrect subsequent spellings	
<b>changbaiensis</b> Sun, 1994 .....	China (Liaoning)
<b>hirticornis</b> Wood, 1978 .....	Canada (British Columbia); USA (Cal, Mon, Ore)
[ <i>nova</i> : Rothfels & Freeman, 1966, not Dyar & Shannon]	
<b>hydroides</b> (Novák, 1956) .....	Slovakia; Austria, Czech Republic, Germany, Italy, Poland, Switzerland, Ukraine
<i>tatrensis</i> Novák, 1959 [Slovakia]	
<b>japonensis</b> Rubtsov, 1960 .....	Japan (Honshu)
[ <i>novum</i> : Bentinck, 1955, not Dyar & Shannon]	
<b>magadensis</b> Rubtsov, 1973 .....	Siberia (Magadanskaya FE)
<b>nova</b> (Dyar & Shannon, 1927) .....	USA (Montana, Utah, Was, Wyo); Canada (BC, Alb)
<i>biclavata</i> Shewell, 1959 [Canada (British Columbia: Vancouver Is.)]	
<b>sedecimfistulata</b> (Rubtsov, 1955, as <i>16-fistulata</i> ) .....	Siberia (Baikal ES, FE)
<i>sedemcifistulata</i> , <i>sedecimfisturatum</i> : incorrect subsequent spellings	
<b>subtibblesi</b> [ <i>sic</i> ] Ono, 1980 .....	Japan (Hokkaido)
<b>tibblesi</b> Stone & Jamnback, 1955 .....	Canada (Labrador, NB, Ont, PEI, Que); USA (Maine, Mas, NH, NY, Pen)

#### Genus UROSIMULIUM Contini

UROSIMULIUM Contini, 1963 (as genus). Type species: *aculeatum*, as *stefanii* (original designation)

<b>aculeatum</b> (Rivosecchi, 1963) .....	Italy (Sicily, Sardinia); Balearic Islands (Majorca)
<i>stefanii</i> Contini, 1963 [Italy (Sicily)]	
<b>faurei</b> (Bernard, Grenier & Bailly-Choumara, 1972) .....	Morocco; Algeria, Spain
<b>juccii</b> Contini, 1966 .....	Italy (Sardinia); Tunisia (?)

Tribe SIMULIINI Newman

SIMULIINI Newman, 1834. Type genus: *Simulium* Latreille  
NEVERMANNIINI Enderlein, 1921. Type genus: *Nevermannia* Enderlein  
WILHELMIINI Baranov, 1926. Type genus: *Wilhelmia* Enderlein  
ECTEMNIINAE Enderlein, 1930. Type genus: *Ectemnia* Enderlein  
STEGOPTERNINAE Enderlein, 1930. Type genus: *Stegopterna* Enderlein  
CNESIINAE Enderlein, 1934. Type genus: *Cnesia* Enderlein  
FRIESIINI Enderlein, 1936 (unav., post-1930 family-group name without characterization)  
ODAGMIINI Enderlein, 1936 (unav., post-1930 family-group name without characterization)  
AUSTROSIMULIINI Smart, 1945. Type genus: *Austrosimulium* Tonnoir  
CNEPHIINI Grenier & Rageau, 1960. Type genus: *Cnephia* Enderlein  
EUSIMULIINI Rubtsov, 1974. Type genus: *Eusimulium* Roubaud

**Genus ARAUCNEPHIA Wygodzinsky & Coscarón**

**ARAUCNEPHIA** Wygodzinsky & Coscarón, 1973 (as genus). Type species: *montana* (original designation)

**iberaensis** Coscarón & Coscarón-Arias, 2002 ..... Argentina (Corrientes); Brazil (Par)  
**montana** (Philippi, 1865) ..... Chile (Valparaiso, Coq, Maule, San)  
*nigrum*: lapsus for *montanum* [in Lutz, 1909, attrib. Philippi]

**Genus ARAUCNEPHIOIDES Wygodzinsky & Coscarón**

**ARAUCNEPHIOIDES** Wygodzinsky & Coscarón, 1973 (as genus). Type species: *schlingeri* (original designation)

**schlingeri** Wygodzinsky & Coscarón, 1973 ..... Chile (Santiago, Maule, Val)

**[Genus ARCHICNEPHIA Currie & Grimaldi]**

**[ARCHICNEPHIA** Currie & Grimaldi, 2000 [in Grimaldi]. Type species: *ornithoraptor* (original designation)]

**[ornithoraptor** Currie & Grimaldi, 2000 [in Grimaldi]] ..... [USA (New Jersey): Cretaceous amber]

**Genus AUSTROSIMULIUM Tonnoir**

**AUSTROSIMULIUM** Tonnoir, 1925 (as genus). Type species: *australense* (original designation)

**Subgenus AUSTROSIMULIUM Tonnoir s. str.**

**albovelatum** Dumbleton, 1973 [1972] ..... New Zealand (South Island)  
**australense** (Schiner, 1868) ..... New Zealand (North Island, South Island, Stewart  
*caecutiens* (Walker, 1848) (unav., *nomen nudum*) ..... Island)  
*tillyardi* (Tonnoir, 1923) [New Zealand (South Island)]  
*australiensis*: incorrect subsequent spelling  
**bicorne** Dumbleton, 1973 [1972] ..... New Zealand (South Island)  
*crobyi* Yankovsky, 1996 (unnecessary subst. name)  
**campbellense** Dumbleton, 1973 [1972] ..... Campbell Island  
*[vexans*: authors, not Mik]  
**cornutum** Tonnoir, 1925 ..... Australia (Victoria, ACT, NSW, Tas)  
**crassipes** Tonnoir, 1925 ..... Australia (Victoria, ACT, NSW, Qld)  
**dumbletoni** Crosby, 1976 ..... New Zealand (South Island)

<b>fulvicorne</b> Mackerras & Mackerras, 1950 .....	Australia (Queensland)
<b>laticorne</b> Tonnoir, 1925 .....	New Zealand (South Island)
<i>alveolatum</i> Dumbleton, 1973 [1972] (ssp.) [New Zealand (South Island)]	
<i>latecorne</i> : incorrect subsequent spelling	
<b>longicorne</b> Tonnoir, 1925 .....	New Zealand (South Island, North Island)
<b>mirabile</b> Mackerras & Mackerras, 1948 .....	Australia (Queensland)
<b>montanum</b> Mackerras & Mackerras, 1952 .....	Australia (New South Wales, Vic)
<b>multicorne</b> Tonnoir, 1925 .....	New Zealand (South Island, North Island)
<i>fiordense</i> Dumbleton, 1973 [1972] (ssp.) [New Zealand (South Island)]	
<b>stewartense</b> Dumbleton, 1973 [1972] .....	New Zealand (Stewart Island, South Island)
<b>tillyardianum</b> Dumbleton, 1973 [1972] (subst. name) .....	New Zealand (South Island, North Island)
<i>tillyardi</i> Tonnoir, 1925 (preocc. Tonnoir, 1923)	
<b>ungulatum</b> Tonnoir, 1925 .....	New Zealand (South Island, North Island)
<b>unicorne</b> Dumbleton, 1973 [1972] .....	New Zealand (South Island)
<b>vexans</b> (Mik, 1881) .....	Auckland Islands (Auckland and Enderby Islands)
‘C’ Mackerras & Mackerras, 1949 ( <i>Austrosimulium</i> sp.) .....	Australia (Western Australia)

### Subgenus **NOVAUSTROSIMULIUM** Dumbleton

**NOVAUSTROSIMULIUM** Dumbleton, 1973 [1972] (as subgenus of *Austrosimulium*). Type species: *bancrofti* (original designation)

<b>bancrofti</b> (Taylor, 1918) (complex) .....	Australia (Queensland, ACT, NSW, SA, Tas, Vic, WA)
‘Canberra’ Ballard & Bedo, 1991 (cytoform) .....	Australia (ACT)
‘Eidsvold A’ Ballard & Bedo, 1991 (cytoform) .....	Australia (Queensland)
‘Eidsvold B’ Ballard & Bedo, 1991 (cytoform) .....	Australia (Queensland)
‘Eidsvold C’ Ballard & Bedo, 1991 (cytoform) .....	Australia (Queensland)
‘Eidsvold D’ Ballard & Bedo, 1991 (cytoform) .....	Australia (Queensland)
‘Ipswich A’ Ballard & Bedo, 1991 (cytoform) .....	Australia (New South Wales)
‘Ipswich B’ Ballard & Bedo, 1991 (cytoform) .....	Australia (Queensland)
‘Willawarin’ Ballard & Bedo, 1991 (cytoform) .....	Australia (Queensland)
<b>furiosum</b> (Skuse, 1889) [1888] .....	Australia (New South Wales, ACT, Qld, SA, Tas, Vic, WA)
<i>weindorferi</i> Tonnoir, 1925 [Australia (Tasmania)]	
<i>simile</i> Tonnoir, 1925 [Australia (Tasmania)]	
<i>austrosimile</i> (Smart, 1944) (unnecessary subst. name)	
<b>magnum</b> Mackerras & Mackerras, 1955 .....	Australia (Queensland)
<b>pestilens</b> Mackerras & Mackerras, 1948 .....	Australia (Queensland, ACT, NSW, NT)
<b>torrentium</b> Tonnoir, 1925 .....	Australia (Tasmania, ACT, NSW, Vic)
<i>hilli</i> Mackerras & Mackerras, 1949 [1948] (ssp.) [Australia (ACT)]	
<b>victoriae</b> (Roubaud, 1906) .....	Australia (Victoria, ACT, NSW, Qld, Tas incl. Flinders Island)
<i>tasmaniense</i> Tonnoir, 1925 [Australia (Tasmania)]	

### *Austrosimulium* species unplaced to subgenus

<b>colboi</b> Davies & Györkös, 1988 .....	Australia (Victoria)
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### [Genus **BAISOMYIA** Kalugina]

[**BAISOMYIA** Kalugina, 1991 (as genus). Type species: *incognita* (original designation)]

[ <b>incognita</b> Kalugina, 1991] .....	[Siberia (Buryatskaya ES): Lower Cretaceous]
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## Genus CNEPHIA Enderlein

**CNEPHIA** Enderlein, 1921 (as genus). Type species: *pecuarum* (original designation)

*ASTEGA* Enderlein, 1930 (as genus). Type species: *pallipes*, as *lapponica* (original designation)

<b>angarensis</b> Rubtsov, 1956 .....	Siberia (Angara ES)
<b>chaurensis</b> Yankovsky, 2000 .....	Siberia (Taymyrsky ES)
<b>dacotensis</b> (Dyar & Shannon, 1927) .....	USA (South Dakota, Iowa, Kan, Maine, Mas, Mic, Min, Neb, NH, NJ, NY, Pen, Wis); Canada (Alb, Man, Ont, Que, Sask)
<i>lasciva</i> (Twinn, 1936) [Canada (Ontario)]	
‘A’ Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)	
<i>dakotense</i> , <i>decotensis</i> : incorrect subsequent spellings	
<i>johanseni</i> : lapsus for <i>dacotensis</i> [Rubtsov, 1960]	
<b>eremites</b> Shewell, 1952 .....	Canada (Northwest Territories incl. Victoria Island, Man, Nun incl. Southampton Island); Finland, Siberia (ES, FE), Sweden, USA (Alaska)
<i>arborescens</i> Rubtsov, 1971 [Siberia (Taymyrsky)]	
‘A’ Twinn, Hocking, McDuffie & Cross, 1948 ( <i>Eusimulium</i> sp.)	
<i>arborensis</i> : incorrect subsequent spelling	
<i>enemites</i> , <i>erimites</i> : incorrect subsequent spellings	
<b>intermedia</b> Rubtsov, 1956 .....	Russia (Orenburgskaya CR)
<i>orenburgica</i> Yankovsky, 1996 (unnecessary subst. name)	
<b>ornithophilia</b> Davies, Peterson & Wood, 1962 [1961] .....	Canada (Ontario, Lab, Nfld, Que); USA (Ala, Ark, Del, Flo, Geo, Kan, Lou, Mar, Mic, Misp, NC, NJ, Okl, Pen, SC, Texas, Vir)
‘near <i>pecuarum</i> ’ Hocking & Richards, 1952 ( <i>Cnephia</i> )	
‘U’ Bennett, 1960 ( <i>Cnephia</i> sp.)	
<i>ornitophila</i> , <i>ornitophilia</i> : incorrect subsequent spellings	
[ <i>dacotensis</i> : authors (Nfld: Avalon Peninsula), not Dyar & Shannon]	
[ <i>pecuarum</i> : authors, not Riley]	
<b>pallipes</b> (Fries, 1824) .....	Norway; Finland, Lithuania, Russia (CR, NR), Sweden, Ukraine, Siberia (?)
<i>lapponica</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i> )	
<i>heymonsi</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i> )	
<i>lapponica</i> (Enderlein, 1921 [June]) [Sweden]	
<i>heymonsi</i> (Enderlein, 1921 [June]) [Finland]	
<i>andrei</i> Usova & Reva, 2008 (unav., <i>nomen nudum</i> )	
<i>fallipes</i> , <i>pallines</i> , <i>pollipes</i> : incorrect subsequent spellings	
<i>laponica</i> : incorrect subsequent spelling	
<b>pecuarum</b> (Riley, 1887) [1886] .....	USA (Louisiana, Ark, Ill, Ind, Ken, Misp, Ten, Texas)
‘B’ Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)	
‘C’ Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)	
<i>pecaurum</i> , <i>pecuarium</i> : incorrect subsequent spellings	
<b>toptchievi</b> Yankovsky, 1996 .....	Ukraine
[ <i>lapponica</i> : Rubtsov, 1956, not Enderlein (Ukraine only)]	

## Genus CNESIA Enderlein

**CNESIA** Enderlein, 1934 [1933] (as genus). Type species: *dissimilis*, as *gynandrum* (original designation)

<b>dissimilis</b> (Edwards, 1931) .....	Argentina (Rio Negro, Chu, Nqn); Chile (Ara, BB, LL incl. Chiloé, Mag, Maule, O’H, San, Val)
<i>gynandrum</i> (Edwards, 1931) [Argentina (Rio Negro)]	
<b>ornata</b> Wygodzinsky & Coscarón, 1973 .....	Argentina (Rio Negro); Chile (Maule)
<b>pusilla</b> Wygodzinsky & Coscarón, 1973 .....	Argentina (Rio Negro, Nqn)

## Genus CNESIAMIMA Wygodzinsky & Coscarón

**CNESIAMIMA** Wygodzinsky & Coscarón, 1973 (as genus). Type species: *atroparva* (original designation)

<b>atroparva</b> (Edwards, 1931) .....	Argentina (Rio Negro, Nqn, TDF); Chile (LL, Mag incl. Navarino Island and TDF, Maule)
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## Genus CROZETIA Davies

**CROZETIA** Davies, 1965 (as genus). Type species: *crozetensis* (original designation)  
*NOTIOSIMULIUM* Dumbleton (specimen label name, unpublished under *Code* Article 9.6, hence unav.)

**crozetensis** (Womersley, 1937) ..... Crozet Islands (Possession)  
**seguyi** Beaucournu-Saguez & Vernon, 1990 ..... Crozet Islands (Ile de l'Est, Possession)  
 [*crozetense*: Séguy, 1940, not Womersley]

## Genus ECTEMNIA Enderlein

**ECTEMNIA** Enderlein, 1930 (as genus). Type species: *taeniatifrons* (original designation)

[**cerberus** (Enderlein, 1921 [July])] ..... [Russia (Kaliningrad): Oligocene (Baltic amber)]  
 [*cerberus* (Enderlein, 1921 [April]) (unav., *nomen nudum*)]  
**invenusta** (Walker, 1848) ..... Canada (Ontario, Alb, Que); USA (Maine, Mas, Mic,  
*loisae* (Stone & Jamnback, 1955) [USA (New York)] Min, NC, NH, NJ, NY, Pen, SC, Wis)  
 ? 'Nov. sp.' Jamnback, 1951 (thesis)  
 '1' Jamnback, 1953 (thesis) (*Cnephia* sp.)  
**[lithuanica** Yankovsky & Bernotiene, 2005] ..... [Lithuania: Oligocene (Baltic amber)]  
**primaeva** Moulton & Adler, 1997 ..... USA (South Carolina, Ala, Flo, Geo, NC, Texas, Vir)  
 'p' Adler in Crosskey, 1994 (*Ectemnia*)  
**reclusa** Moulton & Adler, 1997 ..... USA (South Carolina, Geo, NC)  
 'r' Adler in Crosskey, 1994 (*Ectemnia*)  
 [*invenusta*: authors (South Carolina), not Walker]  
**taeniatifrons** (Enderlein, 1925) ..... USA (Illinois, Iowa, Kan, Mic, Min, Wis); Canada (Alb,  
 Man, Sask)

## Genus GIGANTODAX Enderlein

**GIGANTODAX** Enderlein, 1925 (as genus).\*\*\* Type species: *bolivianus* (original designation)  
*ARCHICNESIA* Enderlein, 1934 [1933] (as genus). Type species: *femineus* (original designation)  
*ARCHINESIA*: incorrect subsequent spelling

### BROPHYI species-group

**antarcticus** (Bigot, 1888) ..... 'Tierra del Fuego'; Argentina (Chu, Nqn, RN, SC,  
*nigrescens* (Edwards, 1931) [Argentina (Rio Negro)] TDF), Chile (Aisén, BB, Mag incl. TDF)  
**awa** Wygodzinsky & Coscarón, 1989 ..... Peru (Cuzco)  
**brophyi** (Edwards, 1931) ..... Argentina (Rio Negro, Chu, Nqn, SC, TDF); Chile  
*bonorinorum* Coscarón & Wygodzinsky, 1962 [Argentina (Aisén, Mag incl. TDF)  
 (Tierra del Fuego)]  
*bonarissorum*, *bonorinorus*: incorrect subsequent spellings  
*bonorinonum*: incorrect original spelling [alternative]  
*brophii*: incorrect subsequent spelling  
**chilensis** (Philippi, 1865) ..... Chile (Los Lagos, Aisén, Ara, BB, Mag, Maule);  
*rufinotum* (Edwards, 1931) [Argentina (Rio Negro)] Argentina (Chu, Nqn, RN, TDF: Isla de los Estados)  
**femineus** (Edwards, 1931) ..... Argentina (Rio Negro, Nqn); Chile (Mag)  
**flabellus** Wygodzinsky & Coscarón, 1989 ..... Ecuador; Venezuela  
 '3' Takaoka, 1987 (*Gigantodax* sp.)  
*flabellus* Takaoka, Hirai & Tada, 1988 (unav., *nomen nudum*)  
**kuscheli** Wygodzinsky, 1952 ..... Chile (Juan Fernandez Islands)  
**laevigatus** Wygodzinsky & Coscarón, 1989 ..... Ecuador  
**luispenai** Wygodzinsky & Coscarón, 1989 ..... Chile (Coquimbo)  
**marginalis** (Edwards, 1931) ..... Chile (Los Lagos [Chiloé], Ara, BB, Maule, San, Val);  
*tarsatus* Philippi, 1865 (preocc.) [Chile (Santiago)] Argentina (Chu, Nqn, RN)  
*philippianus* Pinto, 1932 [1931] (subst. name)

<b>multituberculatus</b> Wygodzinsky & Coscarón, 1989 .....	Colombia; Ecuador
<b>ortizi</b> Wygodzinsky, 1974 [1973] .....	Venezuela; Colombia
<b>osornorum</b> Muñoz de Hoyos, Martínez, Mejía & Bueno, 1995 [ <i>in</i> Muñoz de Hoyos] .....	Colombia
<b>paramorum</b> Wygodzinsky & Coscarón, 1989 .....	Colombia
<b>patihuaycensis</b> Wygodzinsky & Coscarón, 1989 .....	Peru (Junín)
<b>rufidulus</b> Wygodzinsky & Coscarón, 1989 .....	Argentina (Neuquén, Chu, RN, SC, TDF); Chile (Mag)
<b>trifidus</b> Wygodzinsky & Coscarón, 1989 .....	Chile (Santiago); Argentina (Men, Nqn, RN)
‘trifidum’ Coscarón, 1981	
<b>viannamartinsi</b> Ramírez-Pérez, 1980 .....	Venezuela
<b>zumbahuae</b> Wygodzinsky & Coscarón, 1989 .....	Ecuador; Colombia

#### CILICINUS species-group

<b>arrarteorum</b> Wygodzinsky & Coscarón, 1989 .....	Peru (Junín)
<b>basinflatus</b> Wygodzinsky & Coscarón, 1989 .....	Colombia; Ecuador
<b>cilicinus</b> Wygodzinsky & Coscarón, 1989 .....	Argentina (San Juan); Bolivia
<b>clandestinus</b> Wygodzinsky & Coscarón, 1989 .....	Ecuador
‘4’ Takaoka, 1987 ( <i>Gigantodax</i> sp.)	
<b>destitutus</b> Wygodzinsky & Coscarón, 1989 .....	Colombia; Venezuela
<b>fulvescens</b> (Blanchard, 1852) .....	Chile ([no type loc.], Ara, BB, Coq, LL incl. Chiloé, Maule, O’H, San, Val); Argentina (Chu, Nqn, RN)
<b>incomitatus</b> Wygodzinsky & Coscarón, 1989 .....	Venezuela
<b>lazo</b> Takaoka, Hirai & Tada, 1988 .....	Ecuador
‘1’ Takaoka, 1987 ( <i>Gigantodax</i> sp.)	
<b>mariobordai</b> Wygodzinsky & Coscarón, 1989 .....	Bolivia
<b>pennipunctus</b> Enderlein, 1934 .....	Peru (Cuzco)
<b>shannoni</b> (Edwards, 1931) .....	Argentina (Rio Negro, Nqn); Chile (Ara, BB, LL, Maule, San)

#### CORMONSI species-group

<b>abalosi</b> Wygodzinsky, 1958 .....	Peru (Lima)
<b>brevis</b> Wygodzinsky & Coscarón, 1989 .....	Colombia
<b>cormonsi</b> Wygodzinsky & Coscarón, 1989 .....	Peru (Junín, Cuzco)
‘No. 3’ Brues, 1915 ( <i>Simulium</i> )	
<b>gracilis</b> Wygodzinsky & Coscarón, 1989 .....	Ecuador
<b>leonorum</b> Wygodzinsky & Coscarón, 1989 .....	Ecuador; Colombia
<b>misitu</b> Wygodzinsky & Coscarón, 1989 .....	Ecuador; Colombia
<b>praealtus</b> Wygodzinsky & Coscarón, 1989 .....	Chile (Tarapacá)
<b>siberianus</b> Wygodzinsky & Coscarón, 1989 .....	Colombia
<b>vulcanius</b> Wygodzinsky & Coscarón, 1989 .....	Ecuador
‘2’ Takaoka, 1987 ( <i>Gigantodax</i> sp.)	
<i>vulcanius</i> Takaoka, Hirai & Tada, 1988 (unav., <i>nomen nudum</i> )	
<b>wygodzinskyi</b> Moncada, Muñoz de Hoyos & Bueno, 1981 .....	Colombia

#### IGNICULUS species-group

<b>carmenae</b> Wygodzinsky & Coscarón, 1989 .....	Argentina (Rio Negro)
‘carmenae’ Coscarón, 1981	
<b>igniculus</b> Coscarón & Wygodzinsky, 1962 .....	Argentina (TDF, Nqn, RN, SC); Chile (Aisén, Ara, BB, Mag, Maule)

#### MINOR species-group

<b>araucauius</b> (Edwards, 1931) .....	Chile (Los Lagos incl. Chiloé [type loc.], Aisén, Ara, BB, Mag); Argentina (RN, TDF: Isla de los Estados)
<b>bolivianus</b> Enderlein, 1925 .....	Bolivia
<b>eremicus</b> Wygodzinsky & Coscarón, 1989 .....	Chile (Atacama)

‘eremicum’ Coscarón, 1981	
<b>minor</b> Wygodzinsky & Coscarón, 1989	Chile (Maule, Ara, BB, Coq, LL incl. Chiloé, O’H, San);
‘minor’ Coscarón, 1981	Argentina (Nqn, RN)

MULTIFILIS species-group

<b>multifilis</b> Wygodzinsky & Coscarón, 1989	Ecuador; Colombia
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WRIGHTI species-group

<b>adleri</b> Moulton, 1996	USA (Arizona, NM)
<b>aquamarensis</b> (De León, 1945)	Guatemala
<b>bettyae</b> Wygodzinsky, 1974 [1973]	Venezuela
<b>bierigi</b> Vargas & Ramírez-Pérez, 1989 [1988]	Costa Rica
<b>cervicornis</b> Wygodzinsky, 1974 [1973]	Colombia; Ecuador, Venezuela
<i>cervicornis</i> : incorrect subsequent spelling	
<b>conviti</b> Ramírez-Pérez, 1980	Venezuela
<b>corniculatus</b> Wygodzinsky, 1974 [1973]	Venezuela
<b>cypellus</b> Wygodzinsky & Coscarón, 1989	Ecuador; Colombia
‘5’ Takaoka, 1987 ( <i>Gigantodax</i> sp.)	
<i>cypellus</i> Takaoka, Hirai & Tada, 1988 (unav., <i>nomen nudum</i> )	
<b>dryadicaudicis</b> Wygodzinsky & Coscarón, 1989	Chile (Maule); Argentina (Nqn)
<b>herreri</b> Wygodzinsky & Coscarón, 1989	Peru (Lima, Cuzco, Junín); Chile (Tarapacá)
‘No. 2’ (larva) Brues, 1915 ( <i>Simulium</i> )	
‘No. 4’ Brues, 1915 ( <i>Simulium</i> )	
<i>herreri</i> : incorrect subsequent spelling	
[ <i>bolivianus</i> : Wygodzinsky, 1958, not Enderlein]	
<b>horcotiani</b> Wygodzinsky, 1949	Argentina (Tucumán, Jujuy); Bolivia
<b>impossibilis</b> Wygodzinsky, 1974 [1973]	Venezuela
<b>incapucara</b> Wygodzinsky & Coscarón, 1989	Peru (Cuzco); Bolivia
<b>nasutus</b> Wygodzinsky & Coscarón, 1989	Colombia
<b>rufescens</b> (Edwards, 1931)	Argentina (Rio Negro, Nqn, TDF incl. Isla de los
<i>wittmeri</i> Wygodzinsky, 1951 [Argentina (Rio Negro)]	Estados); Chile (Ara, BB, Maule, O’H, Val)
<b>septenarius</b> Wygodzinsky & Coscarón, 1989	Colombia
<b>willei</b> Vargas & Ramírez-Pérez, 1989 [1988]	Costa Rica
<b>wrighti</b> (Vargas, Martínez Palacios & Díaz Nájera, 1944)	Mexico (Federal District, Ch, Mx, Ox, Vz); Guatemala
<i>vargasi</i> (De León, 1945) [Guatemala]	
‘D’ De León, 1943 ( <i>Simulium</i> sp.)	

Unplaced names in *Gigantodax*

‘cuyano’ Coscarón, 1981	‘Andino-patagónica: Andino’
‘dryadibranchium’ Coscarón, 1981	‘Araucana: Austral Cordillerano’
‘pucara’ Coscarón, 1981	‘Araucana: Austral Cordillerano’

**Genus GRENIERA Doby & David**

**GRENIERA** Doby & David, 1959 (as genus). Type species: *fabri* (original designation)

ABDITA species-group

<b>abdita</b> (Peterson, 1962)	Canada (Ontario, Que); USA (Mas, NH, NY, Pen)
<b>abditoides</b> (Wood, 1963) [1962]	Canada (Ontario, BC, Man, NWT); USA (Mas)
<b>humeralis</b> Currie, Adler & Wood, 2004 [ <i>in</i> Adler, Currie & Wood]	USA (California, Ore); Canada (BC)
‘sp.’ and ‘undescribed’ Peterson, 1981 ( <i>Greniera</i> )	

FABRI species-group

<b>brachiata</b> (Rubtsov, 1961) .....	Russia (Karelia KM)
<b>denaria</b> (Davies, Peterson & Wood, 1962) [1961] .....	Canada (Ontario, Alb, BC, Man, NB, Que, Yukon); USA (Col, Utah, Was)
? 'L' Wolfe & Peterson, 1959 ( <i>Cnephia</i> )	
<b>dobyi</b> Beaucournu-Saguez & Braverman, 1987 .....	Syria (Golan)
<b>fabri</b> Doby & David, 1959 .....	France; Algeria, Italy (incl. Sardinia), Morocco, Spain
'aff. <i>fabri</i> ' Rivosecchi, 1963 ( <i>Greniera</i> sp.)	
<b>ivanovae</b> (Ivashchenko, 1970) .....	Russia (Ivanovo CR); Finland
<i>ivanovi</i> : incorrect subsequent spelling	
<b>longicornis</b> Currie, Adler & Wood, 2004 [ <i>in</i> Adler, Currie & Wood] .....	USA (Delaware, Flo)
'1' Pinkovsky, 1976 (thesis) / Pinkovsky & Butler, 1978 ( <i>Cnephia</i> sp.)	
<b>michiganensis</b> Taber, 2008 .....	USA (Michigan)
<b>nairica</b> Terteryan, 1972 .....	Armenia
<i>naurica</i> : incorrect subsequent spelling	
<b>poljakovae</b> (Patrusheva, 1977) .....	Siberia (Tomskaya WS)
<b>zverevae</b> Rubtsov, 1964 .....	Russia (Komi NR)
'F' Adler, Currie & Wood, 2004 ( <i>Greniera</i> sp.) .....	USA (California)

**Greniera species unplaced to group**

[ <b>affinis</b> (Meunier, 1904 [1903])] .....	[Russia (Kaliningrad): Oligocene (Baltic amber)]
[ <i>meunieri</i> Smart, 1944 (unnecessary subst. name)]	
[ <b>importuna</b> (Meunier, 1904 [1903])] .....	[Russia (Kaliningrad): Oligocene (Baltic amber)]
[ <b>pulchella</b> (Meunier, 1904 [1903])] .....	[Russia (Kaliningrad): Oligocene (Baltic amber)]

[**Genus GYDARINA Kalugina**]

[**GYDARINA** Kalugina, 1991 (as genus). Type species: *karabonica* (original designation)]

[ <b>karabonica</b> Kalugina, 1991] .....	[Siberia (Chitinskaya ES): Lower Cretaceous]
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**Genus LUTZSIMULIUM d'Andretta & d'Andretta**

**LUTZSIMULIUM** d'Andretta & d'Andretta, 1947 [1946] (as genus). Type species: *hirticosta*, as *cruzi* (original designation)

**Subgenus KEMPFSIMULIUM Py-Daniel & Nunes de Mello**

**KEMPFSIMULIUM** Py-Daniel & Nunes de Mello, 1982 [*in* Py-Daniel] (as genus). Type species: *simplicicolor* (original designation)

<b>simplicicolor</b> (Lutz, 1910) .....	Brazil (Rondônia, MGr, Pará)
<i>rondonense</i> Py-Daniel, 1982 (unav., <i>nomen nudum</i> )	
<i>hebeticolor</i> : incorrect original spelling (lapsus for <i>simplicicolor</i> )	

**Subgenus LUTZSIMULIUM d'Andretta & d'Andretta s. str.**

<b>flavopubescens</b> (Lutz, 1910) .....	Brazil (Rio de Janeiro)
<b>hirticosta</b> (Lutz, 1909) .....	Brazil (São Paulo, Par, RGS, RJ, SC); Argentina (Mis)
<i>cruzi</i> d'Andretta & d'Andretta, 1947 [1946] [Brazil (São Paulo)]	
<b>pernigrum</b> (Lutz, 1910) .....	Brazil (São Paulo, MG, RGS, RJ); Argentina (Cos)
[ <i>montanum</i> : Lutz, 1909, not Philippi]	



## Genus METACNEPHIA Crosskey

**METACNEPHIA** Crosskey, 1969 (as genus). Type species: *saileri* (original designation)

<b>aldanica</b> Vorobets, 1987 .....	Siberia (Yakutskaya ES)
<b>amphora</b> Ladle & Bass, 1975 .....	Britain (England); France
‘III’ Grenier & Rageau, 1948 [ <i>in</i> Grenier] ( <i>Simulium</i> sp.)	
[ <i>tredecimata</i> : Grenier & Rageau, 1951 / Grenier, 1953, not Edwards]	
<b>amsheevi</b> Usova & Bazarova, 1990 [ <i>in</i> Bazarova] .....	Siberia (Buryatskaya ES)
<b>aspinosa</b> Rubtsov, 1973 .....	Siberia (Maritime FE)
<b>baicalica</b> Usova & Bazarova, 1990 [ <i>in</i> Bazarova] .....	Siberia (Buryatskaya ES)
<b>bilineata</b> (Rubtsov, 1940) .....	Siberia (Tyumen WS); Russia (NR)
<b>blanci</b> (Grenier & Theodorides, 1953) .....	Morocco; Algeria, France, Italy (Sicily), Macedonia,
? <i>lesnei</i> (Séguy, 1925) [France]	Portugal, Romania, Serbia, Spain, Tunisia
<b>borealis</b> (Malloch, 1919)*** .....	Canada (Nunavut [Victoria Island] incl. Baffin and
<i>arctocanadensis</i> Yankovsky, 1996 (unnecessary subst. name)	Southampton Islands, Lab, Northwest Territories
‘3’ Malloch, 1919 ( <i>Simulium</i> sp.)	incl. Banks Island, Ont, Que); Siberia (FE)
‘indet.’ Edwards, 1933 ( <i>Simulium</i> ( <i>Cnephia</i> ) sp.)	
‘X’ Davies, 1950 ( <i>Cnephia</i> sp.)	
[ <i>tredecimata</i> : Bodrova, 1980, not Edwards]	
<b>breevi</b> (Rubtsov, 1956) .....	Russia (Solovets Island NR)
<b>burjatica</b> Usova & Bazarova, 1990 [ <i>in</i> Bazarova] .....	Siberia (Buryatskaya ES)
<b>coloradensis</b> Peterson & Kondratieff, 1995 [1994] .....	USA (Colorado)
‘near <i>jeanae</i> ’ Bushnell, Foster & Wahle, 1987 ( <i>Metacnephia</i> sp.)	
‘new species’ Peterson, 1989 ( <i>Metacnephia</i> )	
<b>cuspidata</b> Vorobets, 1987 .....	Siberia (Yakutskaya ES)
<b>danubica</b> (Rubtsov, 1956) .....	‘Danube River’; Romania, ‘Yugoslavia’
<b>edwardsiana</b> (Rubtsov, 1940) .....	Siberia (Magadanskaya FE, ES, WS); China (IM, Xi),
<i>lanata</i> (Takahasi, 1940) [China (Inner Mongolia)]	Mongolia
<i>edwardsisana</i> , <i>edwardsiana</i> : incorrect subsequent spellings	
<i>lamata</i> : incorrect subsequent spelling	
<b>fuscipes</b> (Fries, 1824) .....	Sweden; Hungary, Norway, Russia (KM)
<b>gorodkovi</b> (Rubtsov, 1964) .....	Tajikistan
<b>hajotsdzorensis</b> (Tertiaryan, 1962) .....	Armenia
<i>hajotsdzdrensis</i> : incorrect original spelling	
<i>hajotsdorensis</i> : incorrect subsequent spelling	
<b>hamardabanae</b> Usova & Bazarova, 1990 [ <i>in</i> Bazarova] .....	Siberia (Buryatskaya ES)
<b>jeanae</b> (DeFoliart & Peterson, 1960) .....	USA (Utah, Cal, Col, Wyo)
<i>macrocerca</i> (Peterson, 1958) (thesis) (unav., <i>nomen nudum</i> )	
<b>karakechensis</b> Yankovsky, 2000 .....	Kyrgyzstan
<b>kirjanovae</b> (Rubtsov, 1956)* .....	Tajikistan; China (Xi), Kazakhstan, Kyrgyzstan,
<i>cirjanovae</i> , <i>kijanovae</i> , <i>kirjanae</i> , <i>kirjonavae</i> , <i>kiryjanovae</i> :	Mongolia, Siberia (Altai WS), Uzbekistan. [? = <i>saileri</i> ]
incorrect subsequent spellings	
<b>korsakovi</b> (Rubtsov, 1956) .....	Russia (Vologda CR, NR); Siberia (WS)
<b>larunae</b> Vorobets, 1984 .....	Siberia (Yakutskaya ES)
<b>luttae</b> Usova & Bazarova, 1990 [ <i>in</i> Bazarova] .....	Siberia (Buryatskaya ES)
<b>lyra</b> (Lundström, 1911) .....	Finland; Germany, Norway, Russia (CR, KM, NR),
<i>tabescentifrons</i> (Enderlein, 1929) [Sweden]	Siberia (WS), Sweden. [Other records in error]
<i>brevis</i> (Rubtsov, 1956) [Russia (‘northern Urals’)]	
<i>trigoniformis</i> Yankovsky, 2003 [2002] (unav. under <i>Code</i>	
Article 16.4.1; no type)*	
<i>lypa</i> : incorrect subsequent spelling	
<i>tabescetifrons</i> : incorrect subsequent spelling	
[ <i>trigonia</i> : Rubtsov, 1956, not Lundström]	
<b>lyrata</b> (Rubtsov, 1956) .....	Siberia (Irkutskaya ES)
<b>mirzaevae</b> Usova & Bazarova, 1990 [ <i>in</i> Bazarova] .....	Siberia (Buryatskaya ES)
<b>multifilum</b> (Rubtsov, 1947) .....	Tajikistan; Kyrgyzstan, Uzbekistan
<i>multifiis</i> , <i>multifilla</i> , <i>multipilis</i> : incorrect subsequent spellings	
<b>nigra</b> (Rubtsov, 1940) .....	Azerbaijan (Nakhichevan); Romania, Russia (Caucasus),

<i>saxicola</i> (Rubtsov, 1956) [Russia (Caucasus)]	Turkmenistan
<i>nigrasaxicola</i> : incorrect subsequent spelling	
<b>nuragica</b> Rivosecchi, Raastad & Contini, 1975 .....	Italy (Sardinia); Portugal, Spain, Morocco (?)
[ <i>tredecimata</i> : Contini, 1963 (Sardinia), not Edwards]	
<b>olyutorii</b> Yankovsky, 2000 .....	Siberia (Kamchatka FE)
<b>pamiriensis</b> Petrova, 1977 .....	Tajikistan
<b>paraskevae</b> Petrova, Chubareva & Kachvoryan, 1995 .....	Tajikistan
<b>pectinata</b> Patrusheva, 1976 .....	Siberia (Tyumen WS)
<b>pedipupalis</b> (Rubtsov, 1947) .....	Kazakhstan
<b>persica</b> (Rubtsov, 1940) .....	Iran; Armenia, Azerbaijan, Kazakhstan, Romania, Turkmenistan, Uzbekistan
<i>hirta</i> (Rubtsov & Terteryan, 1954) [Armenia]	
<b>ramificata</b> (Rubtsov, 1956) .....	Siberia (Khabarovsk FE); Mongolia, Romania, Uzbekistan
<i>parapallipes</i> Bobrova, 1980 [Siberia (Khabarovsk)]	
<b>romaschovae</b> Bodrova, 1987 .....	Siberia (Tubinskaya WS)
<b>saileri</b> (Stone, 1952) .....	USA (Alaska); Canada (Alb, BC, Man, Nun incl. Baffin Island, NWT, Que, Yukon), Finland, Norway, Russia (NR), Siberia (WS), Sweden
<i>becherii</i> (Rivosecchi, 1964) (unav., <i>nomen nudum</i> , attrib. Corti)	
‘III’ Puri, 1926 ( <i>Simulium</i> sp.)	
‘C’ Twinn, Hocking, McDuffie & Cross, 1948 ( <i>Eusimulium</i> sp.)	
‘D’ Hocking, 1950 ( <i>Cnephia</i> sp.)	
‘H’ Madahar, 1967 (thesis) / Rothfels, 1979	
‘IIS-2’ Procnier, 1982 (cytoform)	
‘near saileri’ Craig, 1974 ( <i>Metacnephia</i> sp.)	
‘Tuk’ Procnier, 1980 (thesis) (cytoform)	
‘IIL-3 + 4, IIL-3, 5’ Procnier, 1982 (cytoform)	
[ <i>pallipes</i> : Rubtsov, 1956 / Currie, 1986, not Fries]	
<b>sardoa</b> (Rivosecchi & Contini, 1965) .....	Italy (Sardinia)
<b>saskatchewanana</b> (Shewell & Fredeen, 1958) .....	Canada (Saskatchewan, Alb, BC, Man, Nun, NWT, Que, Yukon)
‘N’ Fredeen, 1951 (thesis) / Hocking & Pickering, 1954 ( <i>Cnephia</i> sp.)	
<b>sedecimfistulata</b> Rubtsov, 1976 .....	Kazakhstan
<i>dzhungarica</i> Yankovsky, 1996 (unnecessary subst. name)	
<b>shirapovi</b> Usova & Bazarova, 1990 [ <i>in</i> Bazarova] .....	Siberia (Buryatskaya ES)
<b>slepjani</b> (Rubtsov, 1967) .....	Turkmenistan
<b>sommermanae</b> (Stone, 1952) .....	USA (Alaska); Canada (Yukon), Siberia (ES, FE, WS), Uzbekistan, Romania (?)
<i>crassifistula</i> (Rubtsov, 1956) [Siberia (Altai)]	
<i>crassifictua</i> , <i>crassifistulata</i> : incorrect subsequent spellings	
<i>sommermane</i> : incorrect subsequent spelling	
[ <i>borealis</i> : Jenkins, 1948, not Malloch]	
<b>sorkulensis</b> Rubtsov, 1971 .....	Tajikistan/Afghanistan frontier
<b>subalpina</b> (Rubtsov, 1956) .....	Azerbaijan; Armenia, Georgia, Turkey
<b>taimyrica</b> Patrusheva, 1976 .....	Siberia (Krasnoyarsk ES)
<b>tamarinae</b> Usova & Bazarova, 1990 [ <i>in</i> Bazarova] .....	Siberia (Buryatskaya ES)
<b>terterjani</b> (Rubtsov, 1955) .....	Armenia
<b>tetraginata</b> (Rubtsov, 1951) .....	Turkmenistan; Kazakhstan, Tajikistan
<i>tetragintatum</i> : incorrect original spelling	
<b>tredecimata</b> (Edwards, 1920) .....	[Unknown: not ‘England’]; Finland, Norway, Russia (KM), Sweden. [Other records in error]
<i>tredecemata</i> : incorrect subsequent spelling	
<b>trispina</b> Rubtsov, 1973 .....	Siberia (Maritime FE)
<b>uzunovi</b> Kovachev, 1985 .....	Bulgaria
<i>usunovi</i> : incorrect subsequent spelling	
<b>variabilis</b> Rubtsov, 1976 .....	Tajikistan
<i>variabilis</i> , <i>veriafilis</i> : incorrect original spellings	
<b>vestita</b> (Enderlein, 1929) .....	Sweden
<b>villosa</b> (DeFoliart & Peterson, 1960) .....	USA (Wyoming, Cal, Mon, Utah); Canada (Alb, BC, Yukon)
<i>freytagi</i> (DeFoliart & Peterson, 1960) [USA (Wyoming)]	
[ <i>borealis</i> : authors (western USA), not Malloch]	
‘Crete’ Procnier, 1982 ( <i>Metacnephia</i> ) .....	Greece (Crete). [? = <i>uzunovi</i> ]
‘1’ Ismagulov, 1993 (thesis) ( <i>Metacnephia</i> sp.) .....	Kazakhstan
‘2’ Ismagulov, 1993 (thesis) ( <i>Metacnephia</i> sp.) .....	Kazakhstan

'3' Ismagulov, 1993 (thesis) (*Metacnephia* sp.) ..... Kazakhstan

### Genus PARACNEPHIA Rubtsov

PARACNEPHIA Rubtsov, 1962 (as genus). Type species: *muspratti* (original designation)

#### Subgenus PARACNEPHIA Rubtsov s. str.

##### BRINCKI species-group

**brincki** (De Meillon, 1955) ..... South Africa (Western Cape)

##### MUSPRATTI species-group

**barnardi** (Gibbins, 1938) ..... South Africa (Western Cape)

**harrisoni** (Freeman & De Meillon, 1953) ..... South Africa (Western Cape)

**herero** (Enderlein, 1935) ..... Namibia

**muspratti** (Freeman & De Meillon, 1953) ..... South Africa (Western Cape)

**thornei** (De Meillon, 1955) ..... South Africa (Western Cape)

#### Subgenus PROCNEPHIA Crosskey

PROCNEPHIA Crosskey, 1969 (as subgenus of *Prosimulium*). Type species: *rhodesiana* (original designation)

**damarensis** (De Meillon & Hardy, 1951) ..... Namibia

**morotoensis** McCrae & Prentice, 1965 ..... Uganda

**rhodesiana** (Crosskey, 1968) ..... Zimbabwe

#### *Paracnephia* species unplaced to subgenus (Australian '*Cnephia*' of authors)

**aurantiaca** (Tonnoir, 1925) ..... Australia (New South Wales, Qld, Tas, Vic)

**fergusoni** (Tonnoir, 1925) ..... Australia (New South Wales, SA, WA)

*occidentalis* (Mackerras & Mackerras, 1949) ('var.') [Australia  
(Western Australia)]

*fergusoni*: incorrect subsequent spelling

**fuscoflava** (Mackerras & Mackerras, 1948) ..... Australia (Queensland)

**gladiator** Moulton & Adler, 2004 [*in* Moulton, Adler & Prince] ..... Australia (Western Australia)

'B' Rothfels, 1979 (*Cnephia* cytoform, attrib. Bedo)

**orientalis** (Mackerras & Mackerras, 1950) ..... Australia (Queensland, ACT, NSW, Tas, Vic)

**pilfreyi** (Davies & Györkös, 1988) ..... Australia (Australian Capital Territory)

**strenua** (Mackerras & Mackerras, 1950) ..... Australia (Queensland)

*strenna*: incorrect subsequent spelling

**terebrans** (Tonnoir, 1925) ..... Australia (Victoria, NSW)

**tonnoiri** (Drummond, 1931) (complex) ..... Australia (Western Australia, Tasmania)

**umbratora** (Tonnoir, 1925) ..... Australia (Victoria)

'A' Mackerras & Mackerras, 1949 (*Cnephia* sp.) ..... Australia (Western Australia)

*nigrum* (Mackerras & Mackerras, 1949) (preocc.) [Australia  
(Western Australia)]

'A' Rothfels, 1979 (*Cnephia* cytoform, attrib. Bedo) ..... Australia (Queensland)

#### Genus PARAUSTROSIMULIUM Wygodzinsky & Coscarón

PARAUSTROSIMULIUM Wygodzinsky & Coscarón, 1962 (as subgenus of *Austrosimulium*). Type species:  
*anthracinum* (original designation)

**anthracinum** (Bigot, 1888) ..... Chile (Magallanes incl. Hoste Island [type loc.], Navarino Island and TDF mainland, Aisén, Ara, LL incl. Chiloé);  
*moorei* (Silva Figueroa, 1917) [Chile (Aisén)]  
 Argentina (Nqn, RN, TDF incl. Isla de los Estados)

**Genus PEDROWYGOMYIA Coscarón & Miranda-Esquivel**

**PEDROWYGOMYIA** Coscarón & Miranda-Esquivel, 1998 (as genus)\*. Type species: *cortesi* (original designation)

**chacabamba** Wygodzinsky & Coscarón, 1989 ..... Peru (Junín)  
**cortesi** Wygodzinsky & Coscarón, 1989 ..... Chile (Tarapacá)  
 ‘cortesi’ Coscarón, 1981  
**jatunchuspi** Wygodzinsky & Coscarón, 1989 ..... Chile (Tarapacá)  
 ‘jatunchuspi’ Coscarón, 1981  
**punapi** Wygodzinsky & Coscarón, 1989 ..... Argentina (Jujuy); Bolivia, Chile (Tarapacá)  
 ‘punapi’ Coscarón, 1981

**Genus SIMULIUM Latreille**

**SIMULIUM** Latreille, 1802 (as genus). Type species: *colombaschense* (monotypy)

*SIMULIA*: incorrect subsequent spelling (originally from Olfers, 1816)  
 [*MELUSINA*: authors, from Hendel (1908), error based on type misidentification]  
 [*TRACTOCERA*: Meigen, 1803, 1804 (misidentified), ICZN Opinion 1174]

**Subgenus AFROSIMULIUM Crosskey**

**AFROSIMULIUM** Crosskey, 1969 (as genus). Type species: *gariépense* (original designation)

**gariépense** De Meillon, 1953 ..... South Africa (Free State, EC, NC); Lesotho, Namibia

**Subgenus ANASOLEN Enderlein**

**ANASOLEN** Enderlein, 1930 (as genus). Type species: *dentulosum*, as *adolffriedericianus* (original designation)

**bisnovem** Gibbins, 1938 ..... Uganda; Democratic Republic of Congo  
*edwardsi* Gibbins, 1937 (unav., *nomen nudum*)  
*bisnoveum*: incorrect subsequent spelling  
**dentulosum** Roubaud, 1915\*\*\* ..... Uganda; Angola, Burkina Faso, Cameroon, Democratic Republic of Congo, Equatorial Guinea (Bioko), Eritrea, Ethiopia, Ghana, Guinea, Kenya, Lesotho, Malawi, Nigeria, Rwanda, São Tomé and Príncipe (Príncipe, São Tomé), Sierra Leone, South Africa (EC, G, KZN, L, M, WC), Sudan, Swaziland, Tanzania, Togo, Uganda, Zimbabwe. [‘Britain’ error]  
*gilvipes* Pomeroy, 1920 [Cameroon]  
*adolffriedericianum* (Enderlein, 1930) [Rwanda]  
*ruwenzoriense* Gibbins, 1934 [Uganda]  
*emfulae* De Meillon, 1937 [South Africa (KwaZulu Natal)]  
*britannicum* Davies, 1966 [? East Africa, ‘Britain’ error]  
*trifurcatum* Fain, Bafort & Silberstein, 1976 (ssp.) [Kenya]  
*altissimum* Fain, Bafort & Silberstein, 1977 (ssp.) [Kenya]  
*bambusicola* Fain, Bafort & Silberstein, 1977 (ssp.) [Kenya]  
 ‘Mbabo’ Fain & Elsen, 1973 (morphoform)  
*dentusolum*: incorrect subsequent spelling  
*ruvenzorensis*: incorrect subsequent spelling  
**heptaspicae** Gouteux, 1977 ..... Democratic Republic of Congo  
**kauntzeum** Gibbins, 1938 ..... Uganda; Democratic Republic of Congo  
*kauntzeum* Gibbins, 1936 (unav., *nomen nudum*)  
**masabae** Gibbins, 1934 ..... Uganda  
**ngabogei** Fain, 1950 ..... Rwanda  
**nili** Gibbins, 1934 ..... Uganda; Ethiopia, Kenya, Saudi Arabia (Asir), Yemen

<b>octospicae</b> Gibbins, 1937 .....	Uganda
<b>rhodesiense</b> De Meillon, 1942 .....	Zimbabwe
<b>shoae</b> Grenier & Ovazza, 1956 .....	Ethiopia
<b>voltae</b> Grenier, Ovazza & Valade, 1960 .....	Ivory Coast

### Subgenus ASIOSIMULIUM Takaoka & Choochote

**ASIOSIMULIUM** Takaoka & Choochote, 2005 (as subgenus of *Simulium*). Type species: *oblongum* (original designation)

<b>oblongum</b> Takaoka & Choochote, 2005 .....	Thailand
‘E’ Phasuk, 2006 (thesis) ( <i>Simulium</i> sp.)	
<b>wanchaii</b> Takaoka & Choochote, 2006 .....	Thailand
? ‘D’ Phasuk, 2006 (thesis) ( <i>Simulium</i> sp.)	

### Subgenus ASPATHIA Enderlein

**ASPATHIA** Enderlein, 1935 (as genus). Type species: *hunteri* (original designation)

*JALACINGOMYIA* Py-Daniel, 1994 [in Py-Daniel & Moreira Sampaio] (as genus). Type species: *anduzei* (original designation)

<b>anduzei</b> Vargas & Díaz Nájera, 1948 .....	Mexico (Veracruz, FD, Ox); Guatemala, USA (Ari, NM)
<i>patziciaense</i> Takaoka & Takahasi, 1982 [Guatemala]	
<i>patzicianense</i> : incorrect subsequent spelling	
<b>bustosi</b> Vargas, Martínez Palacios & Díaz Nájera, 1946 .....	Mexico (Veracruz, Ox)
<b>costalimai</b> Vargas, Martínez Palacios & Díaz Nájera, 1946 .....	Mexico (Morelos, Ox)
[ <i>jacumbae</i> : Vargas <i>et al.</i> , 1943, not Dyar & Shannon]	
<b>covagarciai</b> Ramírez-Pérez, Yarzabal, Takaoka, Tada & Ramírez, 1984 .....	Venezuela
<b>hechti</b> Vargas, Martínez Palacios & Díaz Nájera, 1946 .....	Mexico (Federal District, Du, Mo); USA (Ari, NM)
<i>hetchi</i> : incorrect subsequent spelling	
[ <i>sayi</i> : Vargas <i>et al.</i> , 1943, not Dyar & Shannon]	
<b>horacioi</b> Okazawa & Onishi, 1980 .....	Guatemala; Mexico (Chiapas, Ox), Panama, Venezuela
‘H’ Conn, 1988 ( <i>metallicum</i> cytoform)	
<b>hunteri</b> Malloch, 1914 .....	USA (Colorado, Alaska, Ari, Cal, Idaho, Mon, Nev, NM, Oregon, SD, Texas, Utah, Was, Wyo); Canada (Alb, BC incl. Queen Charlotte Islands, Sask, Yukon), Mexico (FD, Gj, Mi, MS, Vz)
<i>lassmanni</i> Vargas, Martínez Palacios & Díaz Nájera, 1946 [Mexico (Mexico State)]	
<b>iriartei</b> Vargas, Martínez Palacios & Díaz Nájera, 1946 .....	Mexico (Federal District, Du, Gu, Ox, Vz); USA (Ari, NM)
[ <i>hirtipes</i> : Vargas, 1943, not Fries]	
<b>jacumbae</b> Dyar & Shannon, 1927 .....	USA (California, Ari, Col, Kan, Neb, Nev, Texas, Wyo); Guatemala, Mexico (Ch, Hi, Ja, Mi, Ox, Vz)
<i>guatemalense</i> De León, 1945 [1944] [Guatemala]	
‘nr. <i>abditoides</i> ’ Snyder & Huggins, 1980 ( <i>Cnephia</i> )	
<b>jobbinsi</b> Vargas, Martínez Palacios & Díaz Nájera, 1946 .....	Mexico (Chiapas, Ox, Vz); Guatemala
<i>jobbinsi</i> : incorrect subsequent spelling	
<b>kompi</b> Dalmat, 1951 .....	Guatemala; Mexico (Ch)
<b>marquezi</b> Vargas & Díaz Nájera, 1957 .....	Mexico (Federal District, Ca, Mo)
<i>marquesi</i> : incorrect subsequent spelling	
[ <i>vandalicum</i> : Vargas, 1945 / Vargas <i>et al.</i> , 1946, not Dyar & Shannon]	
<b>matteabanchium</b> Anduze, 1947 .....	Venezuela; Colombia, Mexico (? state)
<b>metallicum</b> Bellardi, 1859 [1861] (complex) .....	Mexico ([no type loc.], Ca, Ch, Co, Du, Gu, Hi, Ja, Mi, Mo, MS, Na, NL, Ox, Pu, Si, SLP, So, Ta, Tb, Vz); Belize, Brazil (Ror, SP), Colombia, Costa Rica, Ecuador, El Salvador, French Guiana, Guatemala, Honduras, Jamaica, Nicaragua, Panama, Peru (Huá, Piura), Trinidad, Venezuela
<i>riveti</i> Roubaud, 1906 [Ecuador]	
<i>nitidum</i> Malloch, 1912 [Peru (Piura)]	
<i>versicolor</i> Lutz & Nuñez Továr, 1928 [in Lutz] [Venezuela]	
<i>avidum</i> Hoffmann, 1930 [Mexico (Chiapas)]	
<i>violascens</i> Enderlein, 1934 [Mexico (? state)]	
‘black tip’ Mantel, 1982 (thesis) (cytoform) .....	Colombia
‘narrow stream’ Mantel, 1982 (thesis) (cytoform) .....	Guatemala

‘wide stream’ Mantel, 1982 (thesis) (cytoform) .....	Guatemala
‘A’ Hirai, 1983 / Conn, 1988 (cytoform, typical) .....	Guatemala, Mexico
‘B’ Hirai, 1983 / Conn, 1988 (cytoform) .....	Guatemala, Mexico
‘C’ Conn, 1988 (cytoform) .....	Colombia
‘standard’ Mantel, 1982 (thesis) (cytoform)	
‘D’ Conn, 1988 (cytoform) .....	Venezuela
‘Margarita’ Hirai, 1985 (cytoform)	
‘Merida’ Hirai, 1985 (cytoform)	
‘E’ Conn, 1988 (cytoform) .....	Venezuela
‘Maturin’ Hirai, 1985 (cytoform)	
‘F’ Conn, 1988 (cytoform) .....	Panama
‘G’ Conn, 1988 (cytoform) .....	Costa Rica
‘Aserri’ Mantel, 1982 (thesis) (cytoform)	
‘I’ Conn, 1988 (cytoform) .....	Guatemala, Mexico
‘J’ Conn, 1988 (cytoform) .....	Panama
‘K’ Conn, 1988 (cytoform) .....	Panama
‘X’ Millest, 1989 (thesis) (cytoform) .....	Mexico (Oaxaca)
‘L’ Arteaga & Muñoz de Hoyos, 1999 (cytoform) .....	Colombia
<b>morae</b> Ramírez-Pérez, Rassi & Ramírez, 1977 .....	Venezuela
<b>parrai</b> Vargas, Martínez Palacios & Díaz Nájera, 1946 .....	Mexico (Veracruz, Ox); Guatemala
<b>piperi</b> Dyar & Shannon, 1927 .....	USA (Washington, Ari, Cal, Col, Idaho, Mon, Neb, Nev, NM, Ore, SD, Texas, Utah, Wyo); Canada (Alb, BC, Sask), Mexico (FD)
<i>sayi</i> Dyar & Shannon, 1927 [USA (Colorado)]	
<i>knowltoni</i> Twinn, 1938 [USA (Utah)]	
<i>stonei</i> Stains & Knowlton, 1943 [USA (Utah)]	
<b>puigi</b> Vargas, Martínez Palacios & Díaz Nájera, 1946 .....	Mexico (Chiapas, Ag, Ox, Vz); Costa Rica, Guatemala, USA (NM)
<b>putre</b> Coscarón & Matta, 1982 .....	Chile (Tarapacá)
<b>racenisi</b> Ramírez-Pérez, 1971 .....	Venezuela
‘G’ Lewis & Ibáñez Aldecoa, 1962 / Lewis, 1963 ( <i>Simulium</i> sp.)	
<b>ruizi</b> Vargas & Díaz Nájera, 1948 .....	Mexico (Veracruz, MS, Ox)
<b>sandyi</b> Coscarón, Ibáñez-Bernal & Coscarón-Arias, 1999 .....	Mexico (Mexico State/Morelos)
<b>spilmani</b> Stone, 1969 .....	Dominica
<b>tescorum</b> Stone & Boreham, 1965 .....	USA (California, Ari)
<b>tricornis</b> De León, 1945 .....	Guatemala; Mexico (Ch)
‘C’ De León, 1943 ( <i>Simulium</i> sp.)	
<b>wygoi</b> Coscarón, Ibáñez-Bernal & Coscarón-Arias, 1999 .....	Mexico (Federal District)

### Subgenus BOOPHTHORA Enderlein

**BOOPHTHORA** Enderlein, 1925 (as genus). Type species: *erythrocephalum*, as *argyreata* [misidentified] (original designation)  
*PSEUDOSIMULIUM* Baranov, 1926 (preocc.) (as subgenus of *Simulium*). Type species: *erythrocephalum*, as *argyreata*  
[misidentified] (original designation)  
**BOOPBTHORA**, **BOOPTHORA**: incorrect subsequent spellings

<b>bujakovi</b> Rubtsov, 1940 .....	Siberia (Irkutskaya ES)
<i>bujakovi</i> Rubtsov, 1939 (unav., <i>nomen nudum</i> )	
<i>bujakovae</i> : incorrect subsequent spelling	
<b>erythrocephalum</b> (De Geer, 1776, as <i>erythrocephala</i> ) .....	[Sweden]; Austria, Belarus, Belgium, Britain (En, Sc, Wa), China [no other data], Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy (incl. Sardinia), Kazakhstan, Latvia, Lithuania, Netherlands, Norway, Poland, Portugal, Romania, Russia (CR, KM, NR, SR), Serbia, Siberia (ES, FE, WS), Slovakia, Slovenia, Spain, Switzerland, Turkey, Ukraine, Mongolia (?)
<i>sericatum</i> Meigen, 1830 [? Denmark or Germany]	
<i>tenuifrons</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i> )	
<i>tenuifrons</i> Enderlein, 1921 [June] (available) [Germany]	
<i>sinense</i> (Enderlein, 1934) [1933] [China (? province)]	
<i>mihalyii</i> (Rubtsov, 1967) [Hungary]	
<i>chelevini</i> (Ivashchenko, 1968) (ssp.) [Russia (Ivanovo)]	
‘aff. <i>aureum</i> sp. 3’ Rubtsov, 1959 [ <i>in</i> Dunbar] ( <i>Simulium</i> , part)	
‘aff. <i>aureum</i> sp. 4’ Rubtsov, 1959 [ <i>in</i> Dunbar] ( <i>Simulium</i> , part)	
<i>enrythrocephala</i> , <i>eritrocephala</i> , <i>erithrocephala</i> , <i>erythrocephala</i> : incorrect subsequent spellings	

- [*argyreata*: authors, not Meigen]
- makunbei** (Ono, 1977) ..... Japan (Hokkaido)
- yonagoense** Okamoto, 1958 ..... Japan (Honshu, Ky)
- ‘J-11’ Bentinck, 1955 (*Simulium* sp.)

### Subgenus BOREOSIMULIUM

**BOREOSIMULIUM** Rubtsov & Yankovsky, 1982 (as genus). Type species: *annulus* (original designation)  
 [*HELLICHIA*: Rubtsov, 1956, not Enderlein]

#### ANNULUS species-group

- annae** (Rubtsov, 1956) ..... Russia (St Petersburg CR); Sweden (?)
- annulus** (Lundström, 1911) ..... Finland; Canada (Alb, Lab, Man, NB, Nfld, Nun, NWT, Ont, Que, Sask), USA (Mic, NY, Wis), Russia (CR, KM), Sweden, Norway (?)
- euryadminiculum* Davies, 1949 [Canada (Ontario)]
- annula*, *annulum*: incorrect subsequent spellings
- [*annuliforme* (male): authors]
- [*canonicolum*: authors (central Canada), not Dyar & Shannon]
- balteatum** Adler, Currie & Wood, 2004 ..... USA (California, Alaska, Idaho, Ore, Was, Wyo); Canada (Alb, BC, Yukon)
- ‘Undescribed species’ Corkum & Currie, 1987 (*Simulium*)
- ‘near *canonicolum*’ Currie, 1997 / McCreadie *et al.*, 1997 (*Simulium*)
- [*clarum*: Hearle, 1932, not Dyar & Shannon]
- canonicolum** (Dyar & Shannon, 1927) ..... USA (Wyoming, Ari, Col, Idaho, Mon, Nev, NM, Utah); Canada (Alb, Yukon)
- canonica* Peterson & Kondratieff, 1995 [1994] (unnecessary emendation)
- [*pugetense*: Peterson, 1955, not Dyar & Shannon]
- [*baffinense*: Lichtwardt, 1984, not Twinn]
- clarkei** Stone & Snoddy, 1969 ..... USA (Virginia, Geo, NC, Ten, SC)
- ‘4’ Snow, Pickard & Jones, 1958 (*Simulium* sp.)
- ‘near *clarkei*’ McCreadie & Adler, 1998 (*Simulium*)
- emarginatum** Davies, Peterson & Wood, 1962 [1961] ..... Canada (Ontario, Que); USA (Ark, Mic, NC, NJ, Pen, SC, Vir, Wis, WV)
- ‘n. sp.’ Bennett, 1960 (*Simulium* / *Eusimulium*)
- ‘near *emarginatum*’ Adler, 1983 (thesis) (*Simulium* sp.)
- joculator** Adler, Currie & Wood, 2004 ..... USA (California, Idaho)
- kono**i (Takahasi, 1950) ..... Japan (Hokkaido, Hon, Ky, Sh); Siberia (FE incl. Kurile Islands and Sakhalin)
- yamayaense* Ogata & Sasa, 1954 [Japan (Honshu)]
- ‘J-9’ Bentinck, 1955 (*Simulium* sp.)
- olonicum** (Usova, 1961) ..... Russia (Karelia KM); Norway, Sweden (?)
- quadratum** (Stains & Knowlton, 1943) ..... USA (Utah, Cal, Idaho, Was, Wyo)
- ‘near Hinton’, McCreadie, Adler & Burger, 1997 (*Simulium*)
- ? [*clarum*: authors, not Dyar & Shannon, 1927]
- tokachiense** Takaoka, Otsuka & Fukuda, 2006 ..... Japan (Hokkaido)
- zephyrus** Adler, Currie & Wood, 2004 ..... USA (Oregon, Cal, Mon, Was); Can (Alb)
- ? ‘#1’ Speir, 1969 (thesis) (*Simulium* sp.)
- ‘Hinton’ Golini & Rothfels, 1984 (*Eusimulium*)

#### BAFFINENSE species-group

- annuliforme** (Rubtsov, 1962)\* ..... Russia (Murmansk KM)
- [*latifrons*: Rubtsov, 1956, not Enderlein]
- arctium** (Rubtsov, 1956) ..... Russia (Murmansk KM); Norway
- baffinense** Twinn, 1936 ..... Canada (Nunavut: Baffin Island and mainland, Alb, BC, Man, NWT, Que, Yukon); Finland, Norway, Russia (KM), Siberia (ES, FE, WS), Sweden, USA (Alaska, Utah)
- pallens* Twinn, 1936 [Canada (Nunavut [as NWT]: Baffin Island)]
- ‘new species 1’ Jenkins, 1948 (*Eusimulium*)
- palens*: incorrect subsequent spelling
- crassum** (Rubtsov, 1956) ..... Russia (Karelia KM); Finland, Norway, Siberia (WS), Sweden

## JOHANNSENI species-group

- johannseni** Hart, 1912 [*in* Forbes] ..... USA (Illinois, Iowa, Min, ND, Neb, Wis, Wyo);  
*duplex* Shewell & Fredeen, 1958 [Canada (Saskatchewan)] ..... Canada (Alb, Man, Sask)  
 ‘near *johannseni*’ MacNay, 1954 / Edwards & Meyer, 1987 /  
 Benke & Parsons, 1990 (*Eusimulium* / *Simulium*)  
 ‘2’ Fredeen, 1956 (*Simulium*)  
*johannense*: incorrect subsequent spelling
- parmatum** Adler, Currie & Wood, 2004 ..... USA (South Carolina, Ala, Ark, Flo, Geo, Lou, NC, Ten,  
 [meridionale: authors (southeastern USA), not Riley] ..... Texas)
- rothfelsi** Adler, Brockhouse & Currie, 2003 ..... Canada (Nova Scotia)

## Subgenus BYSSODON Enderlein

- BYSSODON** Enderlein, 1925 (as genus). Type species: *meridionale*, as *forbesi* (original designation)  
*PSILOCNETHA* Enderlein, 1935 (as genus). Type species: *griseicolle*, as *scapulata* (original designation)  
*TITANOPTERYX* Enderlein, 1935 (as genus). Type species: *maculatum* (original designation)  
*ECHINOSIMULIUM* Baranov, 1938 (as genus). Type species: *maculatum*, as *echinatum* (original designation)  
*GIBBINSIELLUM* Rubtsov, 1962 (as genus). Type species: *griseicolle* (original designation)

## GRISEICOLLE species-group

- almae** (Yankovsky & Koshkimbaev, 1988) ..... Kazakhstan
- bifila** Freeman & De Meillon, 1953 ..... Sudan; Central African Republic  
 ‘sp. n.’ Lewis, 1948 (*Simulium*)  
 ‘var. n.’ Lewis, 1953 (*Simulium griseicolle*)
- buxtoni** Austen, 1923 (as *bipunctatum* var.) ..... Jordan; Iraq (Euphrates/Tigris valleys)  
*bipunctatum* Austen, 1923 (preocc.) [Iraq]  
*irakae* Smart, 1944 (unnecessary subst. name, for *bipunctatum*)
- griseicolle** Becker, 1903 ..... Egypt; Benin, Botswana, Burkina Faso, Cameroon,  
*scapulatum* (Enderlein, 1935) [Egypt] ..... Central African Republic, Congo, Democratic Republic  
*dentulatum* Wanson & Henrard, 1944 [Democratic Republic of Congo] ..... of Congo, Niger, Nigeria, Senegal, South Africa (EC, FS, M, NC), Sudan, Uganda, Zambia (?)
- languidum** Davies & Györkös, 1988 ..... Sri Lanka
- tridens** Freeman & De Meillon, 1953 ..... Ghana; Benin, Burkina Faso, Guinea, Guinea-Bissau,  
 Ivory Coast, Liberia, Malawi, Mali, Nigeria, Sierra Leone, Togo, Zambia
- trisphaerae** Wanson & Henrard, 1944 ..... Democratic Republic of Congo  
*trisphaerae*: incorrect subsequent spelling

## MERIDIONALE species-group

- brunneum** (Yankovsky, 1977) ..... Siberia (Khabarovsk FE)
- heptapotamicum** Rubtsov, 1940 ..... Kazakhstan; Azerbaijan, Iran, Tajikistan, Turkmenistan
- maculatum** (Meigen, 1804) ..... Germany; Belarus, China (He, IM, Xi), Italy,  
*pungens* (Meigen, [1806]) [*in* Panzer] (unnecessary subst. name) ..... Kazakhstan, Lithuania, Mongolia, Poland, Romania,  
*subfasciatum* Meigen, 1838 [Germany] ..... Russia (CR, NR), Serbia, Siberia (ES, FE, WS),  
*vigintiquaterni* (Enderlein, 1929) [Germany] ..... Ukraine, USA (Alaska). [Old records for other  
*echinatum* (Baranov, 1938) [Serbia] ..... countries (notably Britain and France) erroneous,  
*ussurianum* Rubtsov, 1940 [Siberia (Khabarovsk)] ..... applying mainly to *equinum*]  
*koidzumii* (Takahasi, 1940) [China (Inner Mongolia)] ..... [Yankovsky, 2003 [2002] treats *koidzumii* as valid sp.  
*danubense* (Rubtsov, 1956) [Serbia/Romania] ..... with *gutsevitshi* as synonym]  
*uralense* (Rubtsov, 1956) [Kazakhstan]  
*lenae* (Rubtsov, 1956) [Siberia (Yakutskaya)]  
*gutsevitshi* (Yankovsky, 1978) [Siberia (Yevreyskaya)]  
*coidzumii*: incorrect subsequent spelling  
*echinatuma*: incorrect subsequent spelling  
*maculeta*: incorrect subsequent spelling



- vigintiquarterni*: incorrect subsequent spelling  
 [*meridionale*: Stone, 1952 / Hopla, 1965, not Riley]
- meridionale** Riley, 1887 [1886] ..... USA (Mississippi, Ala, Ark, Cal, Col, Flo, Idaho, Ill, Iowa, Kan, Lou, Min, Misr, Mon, ND, Neb, Nev, NM, Okl, SD, Texas, Utah, Wis, Wyo); Canada (Alb, Man, NWT, Sask), Mexico (Ta)
- occidentale* Townsend, 1891 [USA (New Mexico)]  
*tamaulipense* Townsend, 1897 [Mexico (Tamaulipas)]  
*forbesi* Malloch, 1914 [USA (Illinois)]  
*meribionale*, *meridianole*, *meriodionale*: incorrect subsequent spellings  
 [*taeniatifrons*: Gaard, 2002, not Enderlein]
- pseudonearcticum** Rubtsov, 1940 ..... Siberia (Kamchatka FE)

### Subgenus CHIROSTILBIA Enderlein

**CHIROSTILBIA** Enderlein, 1921 (as genus). Type species: *pertinax*, as *flavifemur* (original designation)

- bifenestratum** Hamada & Pepinelli, 2004 ..... Brazil (São Paulo)
- dekeyseri** Shelley & Py-Daniel, 1981 ..... Brazil (Brasilia Federal District, Goiás, MG, MGr, MGrS, Par, RJ, SP)
- distinctum** Lutz, 1910 ..... Brazil (São Paulo, MG, Par, RGS, RJ, SC[?])  
*prumirimense* Coscarón, 1981 [Brazil (São Paulo)]  
 [*pertinax*: Lane & Porto, 1929 / Vargas, 1945, not Kollar]
- empascae** Py-Daniel & Moreira, 1988 ..... Brazil (Santa Catarina, RGS, RJ, SP)
- friedlanderi** Py-Daniel, 1987 ..... Brazil (Mato Grosso, SP)
- jefersoni** Hamada, Hernández, Luz & Pepinelli, 2006 ..... Brazil (Bahía)
- obesum** Vulcano, 1959 ..... Brazil (São Paulo, MG, RJ, SC)  
*obesum* Lutz, 1922 (unav., *nomen nudum*)  
*obesum* Pinto, 1932 [1931] (unav., *nomen nudum*)
- papaveroi** Coscarón, 1982 ..... Brazil (Minas Gerais, Bahía)
- pertinax** Kollar, 1832 [*in* Pohl and Kollar, and *in* Pohl] ..... Brazil (São Paulo, Amz, Bahía, BFD, Goiás, MG, MGr, MGrS, Par, Pba, RGS, RJ, Ron, SC, Toc); Argentina (Cos, ER, Mis), Bolivia, Paraguay  
*inexorable* Schrottky, 1909 [Argentina/Brazil]  
*infuscatum* Lutz, 1909 [Brazil (Rio de Janeiro/São Paulo)]  
*flavifemur* (Enderlein, 1921 [April]) (available) [Brazil (? state)]  
*lutzianum* (Enderlein, 1934) [1933] (preocc.) [Paraguay]  
*septentrionale* Cerqueira & Barbosa de Almeida, 1970 (preocc.) [Brazil (Rondonia)]  
*cerqueirai* Barbosa de Almeida, 1974 [*in* Nunes de Mello & Barbosa de Almeida] (subst. name)  
*cerqueirai* Barbosa de Almeida, 1979 (unnecessary subst. name, duplicated publ.)  
*cerqueira*: incorrect subsequent spelling  
 [*venustum*: Lutz, 1909, not Say]  
 [*distinctum*: Pinto, 1932 [1931], not Lutz]  
 [*paraguayense*: Pinto, 1932 [1931], not Schrottky]
- riograndense** Py-Daniel, Souza & Caldas, 1988 ..... Brazil (Rio Grande do Sul, Par, RJ, SP, SC)
- serranus** Coscarón, 1981 ..... Brazil (Minas Gerais, MGr, SP)  
*serranum*: incorrect subsequent spelling
- spinibranchium** Lutz, 1910 ..... Brazil (São Paulo, Bahía, BFD, Goiás, MG, MGr, MGrS, Par, Per, RGS, RJ, Ror, SC); Bolivia Guyana, Venezuela  
*striginotum* (Enderlein, 1934) [1933] [Bolivia]  
*pilosum* Lane & Porto, 1940 [*in* Porto] (preocc.) [Brazil (Mato Grosso)]  
*laneportoi* Vargas, 1941 (subst. name) [Brazil (Minas Gerais)]  
*lane-porteroi*: incorrect subsequent spelling  
*pillosum*: incorrect original spelling
- subpallidum** Lutz, 1910 ..... Brazil (Minas Gerais, Alagoas, Amapá, Bahía, BFD, Ceará, ES, Goiás, MGr, MGrS, Par, Pará, Per, RGS, RJ, Ror, SC, SP, Toc); Argentina (ER, Mis), Guyana, Paraguay, Uruguay, Venezuela  
*subviride* Lutz & Machado, 1915 (unav., *nomen nudum*)  
*guerreroi* Ramírez-Pérez, 1971 [Venezuela]  
*guarani* Coscarón & Wygodzinsky, 1972 [Paraguay]  
*acarayense* Coscarón & Wygodzinsky, 1972 [Paraguay]

**Subgenus CROSSKEYELLUM Grenier & Bailly-Choumara**

**CROSSKEYELLUM** Grenier & Bailly-Choumara, 1970 (as subgenus of *Simulium*). Type species: *gracilipes* (original designation)

**gracilipes** Edwards, 1921 ..... Morocco

**Subgenus DAVIESELLUM Takaoka & Adler**

**DAVIESELLUM** Takaoka & Adler, 1997 (as subgenus of *Simulium*). Type species: *pahangense* (original designation)

**courtneyi** Takaoka & Adler, 1997 ..... Thailand

**pahangense** Takaoka & Davies, 1995 ..... Malaysia (Malaya); Thailand

*unidens* (Takaoka & Davies, 1995) [Malaysia (Malaya)]

**Subgenus ECTEMNASPIS Enderlein**

**ECTEMNASPIS** Enderlein, 1934 [1933] (as genus). Type species: *bicoloratum*, as *macca* (original designation)

**anaimense** Coscarón & Muñoz de Hoyos, 1995 ..... Colombia

**antoni** Wygodzinsky, 1953 ..... Bolivia

**arcabucense** Coscarón, 1990 ..... Colombia

**bicoloratum** Malloch, 1912 ..... Peru (Lima, Cuzco, Huá); Bolivia, Colombia, Ecuador,  
*gaudeatum* Knab, 1914 [Peru ('Verrugas Canyon')] ..... Venezuela. ['USA (NY)' error]

*macca* (Enderlein, 1934) [Peru (Cuzco)]

*macca* (Enderlein, 1934) [1933] (preocc.) [Peru (? state)]

*molli* Vargas, 1943 (subst. name)

**bicornutum** Wygodzinsky & Coscarón, 1982 ..... Colombia

**cormonsi** Wygodzinsky, 1971 ..... Venezuela

**furcillatum** Wygodzinsky & Coscarón, 1982 ..... Colombia

**ignescens** Roubaud, 1906 ..... Ecuador; Bolivia, Colombia, Peru (Cuzco), Venezuela

*dignescens*, *igniscens*: incorrect subsequent spellings

**jaimeramirezi** Wygodzinsky, 1971 ..... Venezuela; Ecuador

**pautense** Coscarón & Takaoka, 1989 ..... Ecuador

**pifanoi** Ramírez-Pérez, 1971 ..... Venezuela; Colombia

**roquemayu** Coscarón, 1985 ..... Bolivia

**rubiginosum** (Enderlein, 1934) [1933] ..... Bolivia; Argentina (BA, Jujuy, Men, Salta, SJ, Tuc), Peru  
[*ignescens*: Wygodzinsky, 1951 (part), 1953 / Coscarón & Wygodzinsky, 1960, not Roubaud] (Cuzco)

**tolimaense** Coscarón, 1985 (subst. name) ..... Colombia

*simplex* Wygodzinsky & Coscarón, 1982 (preocc.)

**tunja** Coscarón, 1990 ..... Colombia

'A' Lewis & Lee-Potter, 1964 (*Simulium* sp.) ..... Colombia

'B' Lewis & Lee-Potter, 1964 (*Simulium* sp.) ..... Colombia

'C' Duque, Muñoz de Hoyos & Rothfels, 1988 (*Simulium* sp.) ..... Colombia

**Subgenus EDWARDSELLUM Enderlein**

**EDWARDSELLUM** Enderlein, 1921 (as genus). Type species: *damnosum* (original designation)

**buisseti** Fain & Elsen, 1980 ..... Democratic Republic of Congo

*buisseti*: incorrect subsequent spelling

**damnosum** Theobald, 1903 (complex)\*\*\* ..... Uganda; Angola, Benin, Botswana, Burkina Faso,

*cingulatum* (Enderlein, 1921 [April]) (unav., *nomen nudum*) ..... Burundi, Cameroon, Central African Republic, Chad,

<i>cingulatum</i> (Enderlein, 1921 [December]) (available) [Sudan]	Congo, Democratic Republic of Congo, Equatorial
<i>hamedense</i> Higazi, Boakye, Wilson, Mahmoud, Baroka, Mukhtar & Unnasch, 2000 (unav., <i>nomen nudum</i> )	Guinea (incl. Bioko), Ethiopia, Gabon, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Liberia, Malawi, Mali, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, Somalia, South Africa (EC, FS, G, KZN, L, M, NC, NW), Sudan, Swaziland, Tanzania, Togo, Yemen, Zambia, Zimbabwe
‘Kagera’ Dunbar, 1966 (cytoform) .....	Tanzania/Uganda
‘Kibwezi’ Dunbar, 1969 (cytoform) .....	Kenya, Tanzania
‘Kibwezi A1’ Proconier & Muro, 1993 (cytoform) .....	Tanzania
‘Kibwezi A2’ Proconier & Muro, 1993 (cytoform) .....	Tanzania
‘Sebwe’ Dunbar, 1969 (cytoform) .....	Tanzania, Uganda
‘Sebwe B’ Dunbar, 1966 (cytoform)	
‘Sebwe M’ Dunbar & Vajime, 1971 (cytoform)	
‘Sebwe R’ Dunbar & Vajime, 1971 (cytoform)	
‘Mutonga’ Dunbar & Vajime, 1971/72 (cytoform) .....	Kenya
‘Kisiwani’ Dunbar & Vajime, 1972 (cytoform) .....	Kenya, Ethiopia, Tanzania
‘Kisiwani E’ Krüger, Car & Maegga, 2005 (cytoform).....	Ethiopia
‘Jovi’ Dunbar, 1976 (cytoform) .....	Tanzania
‘Kapere’ Gouteux, 1976 (morphoform) .....	Democratic Republic of Congo
‘Turiani’ Dunbar, 1976 (cytoform) .....	Tanzania
‘Kasongo A’ Elsen & Ancona, 1981 (morphoform) .....	Democratic Republic of Congo
‘Kasongo B’ Elsen & Ancona, 1981 (morphoform) .....	Democratic Republic of Congo
‘Kasongo C’ Elsen & Ancona, 1981 (morphoform) .....	Democratic Republic of Congo
‘Kasongo D’ Elsen & Ancona, 1981 (morphoform) .....	Democratic Republic of Congo
‘Kasongo E’ Elsen & Ancona, 1981 (morphoform) .....	Democratic Republic of Congo
‘C’ Vajime & Gregory, 1990 (cytoform) [uncharacterized] .....	Malawi
‘E’ Vajime & Gregory, 1990 (cytoform) [uncharacterized] .....	Malawi
‘Kasyabone A’ Maegga & Cupp, 1994 (cytoform) .....	Tanzania
‘Kasyabone B’ Maegga & Cupp, 1994 (cytoform) .....	Tanzania
‘Hamedense’ Higazi, Boakye, Wilson, Mahmoud, Baroka, Mukhtar & Unnasch, 2000 (cytoform and molecular form) .....	Sudan (Abu Hamed)
<b>damnosum</b> s. str .....	Uganda; Benin, Burkina Faso, Cameroon, Central African Republic, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Liberia, Mali, Niger, Nigeria, Senegal, Sierra Leone, Sudan, Togo
‘Nile’ Dunbar, 1966 (cytoform) .....	Niger, Sudan, Uganda
‘Volta’ Dunbar & Vajime, 1981 (cytoform) .....	Burkina Faso, Cameroon, Ghana, Guinea, Ivory Coast, Liberia, Mali, Niger, Nigeria, Senegal, Togo
<b>dieguerense</b> Vajime & Dunbar, 1975 .....	Mali; Guinea
‘Dieguera’ Dunbar & Vajime, 1972 ( <i>damnosum</i> cytoform)	
<b>juxtadamnosum</b> Gouteux, 1978 [1977] .....	Democratic Republic of Congo
<i>juxtadamnosum</i> Gouteux, 1977 (unav., <i>nomen nudum</i> )	
‘Bubumu’ Gouteux, 1976 ( <i>damnosum</i> morphoform)	
‘Lutumgulu’ Gouteux, 1976 ( <i>damnosum</i> morphoform)	
<i>kaffaense</i> Hadis, Boakye, Wilson & Cobblah, 2005 [ <i>in</i> Hadis, Wilson, Cobblah & Boakye] (unav. under Code Article 16.4.1; no type) .....	Ethiopia
<i>kaffaense</i> Hadis, Boakye, Wilson & Cobblah, 2004 (unav., <i>nomen nudum</i> )	
‘Jimma’ Dunbar & Vajime, 1981 ( <i>damnosum</i> cytoform, typical)	
‘Bebeka’ Hadis <i>et al.</i> , 2004 (cytoform)	
‘Ghibe-Gojeb’ Hadis <i>et al.</i> , 2004 (cytoform) [uncharacterized]	
<b>kilibanum</b> Gouteux, 1977 .....	Democratic Republic of Congo; Burundi, Kenya, Malawi, South Africa (G, M), Swaziland, Tanzania, Uganda
‘Nkusi’ Dunbar, 1969 ( <i>damnosum</i> cytoform) .....	Kenya, South Africa (M), Swaziland, Tanzania, Uganda
‘Nkusi SA’ Krüger, Car & Maegga, 2005 (cytoform) .....	Kenya, South Africa (M), Tanzania, Uganda

‘Nkusi J’ Krüger, 2006 (molecular form) .....	Tanzania
‘Nkusi T’ Krüger, 2006 (molecular form) .....	Tanzania
‘Nkusi U’ Krüger, 2006 (molecular form) .....	Uganda
‘Nkusi SW’ Krüger, Car & Maegga, 2005 (cytoform) .....	Swaziland
‘Sanje’ Dunbar, 1969 ( <i>damnosum</i> cytoform) .....	Malawi, Tanzania, Uganda
‘Sebwe A’ Dunbar, 1966 ( <i>damnosum</i> cytoform)	
‘Sanje T’ Dunbar & Vajime, 1971 ( <i>damnosum</i> cytoform)	
‘Nyamagasani’ Dunbar & Vajime, 1972 ( <i>damnosum</i> cytoform) .....	Democratic Republic of Congo, Tanzania, Uganda
‘Sanje R’ Dunbar & Vajime, 1971 ( <i>damnosum</i> cytoform)	
‘T’ Krüger, 2006 (molecular form).....	Tanzania
‘U’ Krüger, 2006 (molecular form) .....	Democratic Republic of Congo, Uganda
‘Kiliba’ Gouteux, 1976 ( <i>damnosum</i> morphoform)	
‘Njombe’ Krüger, Kalinga, Post & Maegga, 2004 .....	Tanzania
‘Pienaars’ Krüger, Car & Maegga, 2005 (cytoform) .....	South Africa (G, M)
<b>kipengere</b> Krüger, 2006 [ <i>in</i> Krüger, Mustapha, Kalinga, Tambala, Post & Maegga] .....	Tanzania; Malawi
‘Kipengere’ Dunbar, 1976 ( <i>damnosum</i> cytoform, typical) .....	Tanzania
‘Linthipe’ Krüger, Mustapha, Kalinga, Tambala, Post & Maegga, 2006 (cytoform) .....	Malawi
‘Mombo’ Krüger, Mustapha, Kalinga, Tambala, Post & Maegga, 2006 (cytoform) .....	Tanzania
<b>konkoureuse</b> Boakye, Post, Mosha & Quillévééré, 1993 [ <i>in</i> Boakye, Post, Mosha, Surtees & Baker] ....	Sierra Leone; Guinea, Guinea-Bissau, Liberia
‘Konkouré’ Quillévééré, Guillet & Séchan, 1982 ( <i>sanctipauli</i> cytoform) .....	Guinea, Guinea-Bissau
‘Menankaya’ Boakye <i>et al.</i> , 1993 (cytoform) .....	Guinea, Sierra Leone
<i>konkoure</i> : incorrect subsequent spelling	
<b>kulfoense</b> Hadis, Wilson, Cobblah & Boakye, 2008 (unav. under <i>Code Article 16.4.1</i> ; no type) .....	Ethiopia
‘Kulfo’ Dunbar, 1969 (cytoform)	
<b>latipollex</b> (Enderlein, 1936) .....	South Africa (‘Transvaal’)
‘Olifants’ Krüger, Car & Maegga, 2005 ( <i>damnosum</i> cytoform) [uncharacterized]	
<b>leonense</b> Boakye, Post & Mosha, 1993 [ <i>in</i> Boakye <i>et al.</i> ] .....	Sierra Leone; Guinea, Liberia
‘B’ Post & Crosskey, 1985 ( <i>soubrense</i> cytoform)	
<b>luadiense</b> Elsen, Fain, Henry & De Boeck, 1983 .....	Democratic Republic of Congo
<b>machadoi</b> Luna de Carvalho, 1962 .....	Angola; Democratic Republic of Congo
<b>maertensi</b> Elsen, Fain, Henry & De Boeck, 1983 .....	Democratic Republic of Congo
<b>mengense</b> Vajime & Dunbar, [1979] [1977] .....	Cameroon; Central African Republic. [‘Tanzania’ error]
‘Menge’ Dunbar, 1976 ( <i>damnosum</i> cytoform)	
<b>microlepidum</b> Elsen, Fain, Henry & De Boeck, 1983 .....	Democratic Republic of Congo
<b>nganganum</b> Elsen, Fain, Henry & De Boeck, 1983 .....	Democratic Republic of Congo
<b>pandanophilum</b> Krüger, Nurmi & Garms, 1998 .....	Uganda
‘Gitovu’ McCrae, 1969 ( <i>damnosum</i> cytoform)	
‘Kaku’ Dunbar & Vajime, 1971/72 ( <i>damnosum</i> cytoform, typical)	
‘Sogohi’ Krüger, Gelhaus, Yocha, Rubaale & Garms, 1998 (cytoform)	
<b>plumbeum</b> Krüger, 2006 [ <i>in</i> Krüger, Mustapha, Kalinga, Tambala, Post & Maegga] .....	Tanzania; Malawi
‘Ketaketa’ Dunbar, 1969 ( <i>damnosum</i> cytoform) .....	Tanzania
‘Type A’ Davies, 1985 ( <i>damnosum</i> morphoform)	
‘Hammerkopi’ Dunbar, 1976 ( <i>damnosum</i> cytoform) .....	Tanzania
‘Ketaketa C1’ Procunier & Muro, 1993 ( <i>damnosum</i> cytoform) .....	Tanzania
‘Ketaketa C2’ Procunier & Muro, 1993 ( <i>damnosum</i> cytoform) .....	Tanzania
‘Mwamphanzi’ Vajime, Tambola, Krüger & Post, 2000 ( <i>damnosum</i> cytoform, typical) .....	Malawi, Tanzania
[ <i>mengense</i> : Vajime & Dunbar, 1977 (Tanzania)]	
<b>rasyani</b> Garms, Kerner & Meredith, 1988 .....	Yemen
<b>repertum</b> Elsen, Fain, Henry & De Boeck, 1983 .....	Democratic Republic of Congo
<b>sanctipauli</b> Vajime & Dunbar, 1975 .....	Ivory Coast; Ghana, Guinea, Liberia, Mali, Nigeria,

	Sierra Leone, Togo
‘Bandama’ Dunbar, 1969 ( <i>damnosum</i> cytoform) .....	Ivory Coast, Liberia
‘Djodji’ Surtees, 1986 ( <i>damnosum</i> cytoform and morphoform) .....	Ghana and Togo. [Believed eradicated by Onchocerciasis Control Programme]
‘Comoé’ Boakye, Fiasorgbor, Bougsere & Naniogue, 1999 (cytoform) .....	Ivory Coast
‘Pra’ Boakye, Fiasorgbor, Bougsere & Naniogue, 1999 (cytoform) .....	Ghana
‘Sassandra’ Boakye, Fiasorgbor, Bougsere & Naniogue, 1999 (cytoform) .....	Ivory Coast
<b>sirbanum</b> Vajime & Dunbar, 1975 .....	Niger; Benin, Burkina Faso, Cameroon, Central African Republic, Ghana, Guinea-Bissau, Ivory Coast, Mali, <i>sudanense</i> Vajime & Dunbar, 1975 [Burkina Faso] Nigeria, Sierra Leone, Sudan, Togo, Uganda
‘Sirba’ Dunbar & Vajime, 1971 ( <i>damnosum</i> cytoform) .....	Burkina Faso, Ghana, Ivory Coast, Mali, Niger, Nigeria, Togo
‘Type III’ Meredith <i>et al.</i> , 1983 / Fiasorgbor & Cheke, 1992 (morphoform / cytoform) .....	Benin, Burkina Faso, Ghana, Nigeria, Togo
‘Type IV’ Meredith <i>et al.</i> , 1983 / Fiasorgbor & Cheke, 1992 (morphoform / cytoform) .....	Benin, Ghana, Niger, Togo
<i>sirbarum</i> : incorrect subsequent spelling	
<i>soderense</i> Hadis, Wilson, Cobblah & Boakye, 2008 (unav. under <i>Code</i> Article 16.4.1; no type) .....	Ethiopia
‘Sodere’ Hadis, 2006 (thesis) ( <i>damnosum</i> cytoform)	
<b>soubrense</b> Vajime & Dunbar, 1975 .....	Ivory Coast/Burkina Faso; Benin, Ghana, Guinea, Liberia, Mali, Nigeria, Sierra Leone, Togo
‘Soubré’ Dunbar & Vajime, 1971 ( <i>damnosum</i> cytoform)	
‘Beffa’ Meredith, Cheke & Garms, 1983 (cytoform) .....	Benin, Ghana, Nigeria, Togo, Guinea (?), Ivory Coast (?), Liberia (?)
‘Farmington’ Güzelhan & Garms, 1987 (cytoform) .....	Liberia
‘St Paul’ Güzelhan & Garms, 1987 (cytoform) .....	Liberia
‘Chutes Milo’ Boakye <i>et al.</i> , 1993 (cytoform, typical) .....	Burkina Faso, Guinea, Ivory Coast. [? = <i>soubrense</i> s.str.]
<i>sourense</i> : incorrect subsequent spelling	
<b>squamosum</b> (Enderlein, 1921 [December]) (complex) .....	Cameroon; Benin, Central African Republic, <i>squamosum</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i> ) Democratic Republic of Congo, Ivory Coast, Ghana, <i>kitetense</i> Elsen & Post, 1989 (ssp.) [Democratic Republic of Congo] Guinea, Liberia, Nigeria, Sierra Leone, Togo
‘Bille’ Dunbar & Vajime, 1971 ( <i>damnosum</i> cytoform) .....	Cameroon, Ivory Coast
‘A’ Traoré-Lamizana <i>et al.</i> , 2001 (cytoform, typical) .....	Cameroon, Democratic Republic of Congo, Nigeria
‘B’ Traoré-Lamizana <i>et al.</i> , 2001 (cytoform) .....	Cameroon
‘C’ Traoré-Lamizana <i>et al.</i> , 2001 (cytoform) .....	Cameroon, Nigeria
‘D’ Mustapha, Post, Enyong & Lines, 2004 (cytoform) .....	Cameroon
‘E (= type III)’ Post, Mustapha & Krüger, 2007 (cytoform) .....	Benin, Central African Republic, Ivory Coast, Ghana, Guinea, Liberia, Sierra Leone, Togo
<b>thyolense</b> Vajime, Tambala, Krüger & Post, 2000 .....	Malawi; Tanzania
‘Thyolo’ Vajime & Gregory, 1990 ( <i>damnosum</i> cytoform) .....	Malawi
‘Kiwira’ Maegga & Cupp, 1993 ( <i>damnosum</i> cytoform, typical) .....	Malawi, Tanzania
‘Nyika’ Krüger, Kalinga, Post & Maegga, 2004 (cytoform) .....	Malawi, Tanzania
‘Type C’ Davies, 1985 ( <i>damnosum</i> morphoform)	
<b>vilhenai</b> Luna de Carvalho, 1962 .....	Angola
<b>wambanum</b> Elsen, Fain, Henry & De Boeck, 1983 .....	Democratic Republic of Congo
<b>yahense</b> Vajime & Dunbar, 1975 .....	Liberia; Benin, Cameroon, Equatorial Guinea (Bioko), Ghana, Guinea, Ivory Coast, Nigeria, Sierra Leone, Togo
‘Yah’ Dunbar & Vajime, 1971 ( <i>damnosum</i> cytoform, typical)	
‘Bioko’ Post, 1993 (cytoform) .....	Equatorial Guinea (Bioko)

### Subgenus EUSIMULIUM Roubaud

**EUSIMULIUM** Roubaud, 1906 (as subgenus of *Simulium*). Type species: *aureum* (monotypy)

**angustipes** Edwards, 1915\* .....

Britain (England, CI, Wa); Algeria, Armenia, Austria,

<i>horvathi</i> (Enderlein, 1922) [Germany]	
<i>securiforme</i> (Rubtsov, 1956) [Russia (St Petersburg)]	
<i>latizonum</i> (Rubtsov, 1956) [Russia (St Petersburg)]	
<i>paludicola</i> (Rivosecchi, 1963 [March]) (unav., form post-1960)	
<i>paludicola</i> (Rivosecchi, 1963 [Sept.]) (available, ssp.) [Italy]	
‘E’ Dunbar, 1959 ( <i>aureum</i> cytoform)	
‘aff. <i>aureum</i> sp. 1’ Rubtsov, 1959 [ <i>in</i> Dunbar] ( <i>Simulium</i> , part)	
‘aff. <i>aureum</i> sp. 2’ Rubtsov, 1959 [ <i>in</i> Dunbar] ( <i>Simulium</i> , part)	
‘aff. <i>aureum</i> sp. 3’ Rubtsov, 1959 [ <i>in</i> Dunbar] ( <i>Simulium</i> , part)	
‘aff. <i>aureum</i> sp. 4’ Rubtsov, 1959 [ <i>in</i> Dunbar] ( <i>Simulium</i> , part)	
<i>latisonum</i> , <i>latizonum</i> : incorrect subsequent spellings	
<b>arenicola</b> Liu, Gong, Zhang, Luo & An, 2003 .....	China (Qinghai)
<b>argentipile</b> (Rubtsov, 1962) .....	Russia (St Petersburg CR); Sweden (?)
<i>argentipiles</i> : incorrect subsequent spelling	
<b>armeniacum</b> (Rubtsov, 1955) .....	Armenia; Azerbaijan, China (IM)
<b>aureum</b> Fries, 1824 .....	Sweden; Austria, Belarus, Belgium, Britain (En, Sc, Wa),
<i>flavipes</i> Stephens, 1829 (unav., <i>nomen nudum</i> )	China (He, Sh), Czech Republic, Denmark, Estonia,
‘F’ Dunbar, 1959 (cytoform)	Finland, France, Germany, Iceland, Ireland, Italy,
‘aff. <i>aureum</i> sp. 1’ Rubtsov, 1959 [ <i>in</i> Dunbar] ( <i>Simulium</i> , part)	Latvia, Lithuania, Netherlands, Norway, Poland, Russia
‘aff. <i>aureum</i> sp. 2’ Rubtsov, 1959 [ <i>in</i> Dunbar] ( <i>Simulium</i> , part)	(CR, NR, SR), Siberia (WS), Slovakia, Sweden,
‘aff. <i>aureum</i> sp. 4’ Rubtsov, 1959 [ <i>in</i> Dunbar] ( <i>Simulium</i> , part)	Switzerland, Ukraine, Uzbekistan, Bulgaria (?), India
‘High hill’ Obeng, 1965 (morphoform)	(?), Japan (?), Pakistan (?), Romania (?). [Not New
<i>aurem</i> , <i>aurerum</i> , <i>auroa</i> , <i>aweia</i> : incorrect subsequent spellings	World (misidentified)]
<b>azerbaidzhanicum</b> (Djafarov, 1953) .....	Azerbaijan; Armenia
<i>aserbajdzanicum</i> , <i>azerbajdjanicum</i> : incorrect subsequent spellings	
<b>azorensis</b> (Carlsson, 1963) .....	Azores (Flores, Faial, Santa Maria, São Jorge,
[ <i>beckeri</i> : Séguy, 1936, not Roubaud]	São Miguel, Terceira)
[‘ <i>aureum</i> J’ (cytoform, part): Leonhardt, 1985]	
<b>baatori</b> (Rubtsov, 1967) .....	Mongolia
<b>beiwansis</b> Guo, Zhang, An, Zhang, Zheng, Dong & Zhao, 2008 .....	China (Xinjiang)
<b>brachyantherum</b> Rubtsov, 1947 .....	Tajikistan; Armenia, Iran, Romania, Uzbekistan
<i>brachyanterum</i> , <i>brachyanthemum</i> , <i>brachyanthenum</i> ,	
<i>brahyantherum</i> , <i>branchyantherum</i> :	
incorrect subsequent spellings	
<b>bracteatum</b> Coquillett, 1898 .....	USA (Massachusetts, Alaska, Geo, Maine, Mic, Min,
‘A’ Dunbar, 1958 ( <i>aureum</i> cytoform)	NC, NH, NJ, NY, Ohio, Pen, SC, WV); Canada (Alb,
	BC, NB, NWT, Ont, PEI, Que, Sask)
<b>donovani</b> Vargas, 1943 .....	Mexico (Chiapas, Du, Gj, Mi, Mo, Vz); Guatemala,
<i>diazi</i> De León, 1945 [1944] [Guatemala]	USA (Ari, Cal, Col, Nev, NM, Ore)
‘E’ De León, 1943 ( <i>Simulium</i> sp.)	
‘G’ Dunbar, 1959 ( <i>aureum</i> cytoform)	
‘A’ Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)	
‘B’ Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)	
‘G1’ Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)	
‘G1’ Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)	
<i>arrum</i> : incorrect subsequent spelling	
[ <i>aureum</i> : authors (California and Latin America), not Fries]	
<b>erimoense</b> (Ono, 1980) .....	Japan (Hokkaido)
<b>exulatum</b> Adler, Currie & Wood, 2004 .....	Canada (Manitoba, BC, Lab, Nfld, NWT, Que); USA
‘C’ Dunbar, 1959 ( <i>aureum</i> cytoform)	(Alaska, Col)
<b>flexibranchium</b> Crosskey, 2001 [ <i>in</i> Crosskey & Malicky] .....	Greece (Rhodes, Crete, Kithira, Naxos)
<b>guimari</b> Becker, 1908 .....	Canary Islands (Tenerife, Gomera, Gran Canaria,
<i>submorsitans</i> Séguy, 1921 [Canary Islands (Gran Canaria)]	La Palma)
‘M’ Leonhardt, 1985 ( <i>aureum</i> cytoform)	
<b>kaszabi</b> (Rubtsov, 1969) .....	Mongolia
<b>kazahstanicum</b> (Rubtsov, 1976) .....	Kazakhstan
<b>krymensis</b> (Rubtsov, 1956) .....	Ukraine (Crimea); Bulgaria, Romania. [? = <i>nigrofusipes</i> ]
<i>krimensis</i> : incorrect subsequent spelling	
<b>kuandianensis</b> (Chen & Cao, 1983) .....	China (Liaoning)

<b>longitarse</b> (Rubtsov & Violovich, 1965) .....	Siberia (Tuva WS)
<b>maritimum</b> (Rubtsov, 1956) .....	Russia (Krasnodar SR); China (Li), Georgia
<b>mellah</b> Giudicelli & Bouzidi, 2000 .....	Morocco
<b>nigrofusipes</b> Rubtsov, 1947 .....	Tajikistan; Armenia
<i>nigrifuscipes</i> , <i>nigrofuscipes</i> : incorrect subsequent spellings	
<b>paucicuspis</b> Rubtsov, 1947 .....	Tajikistan; Armenia, Iran, Iraq, Turkmenistan, Uzbekistan
<i>paucicuspe</i> : incorrect subsequent spelling	
[ <i>latizonum</i> : Crosskey, 1967 (Iran), not Rubtsov]	
<b>petricolum</b> (Rivosecchi, 1963 [September]) (available, ssp.) .....	Italy (incl. Elba, Sardinia, Sicily); Austria, Bosnia, Britain (En), Cyprus, Czech Republic, France (incl. Corsica), Greece (incl. Lésbos, Páros, Rhodes), Ireland, Libya, Madeira, Morocco, Portugal, Serbia, Spain, Russia (?). [? = <i>krymense</i> ]
<i>petricola</i> (Rivosecchi, 1963 [March]) (unav., form post-1960)	
‘J’ Leonhardt, 1985 ( <i>aureum</i> cytoform)	
[ <i>azorensis</i> : Carlsson, 1963 (part, Madeira)]	
[ <i>latizonum</i> : Sherban, 1961/? Knoz, 1965, not Rubtsov]	
<b>pilosum</b> (Knowlton & Rowe, 1934) .....	USA (Utah, Ari, Cal, Col, Idaho, Iowa, Kan, Mic, Mon, Neb, Nev, NY, Ohio, Ore, Pen, Ten, Was, Wis, WV, Wyo); Canada (Alb, BC incl. Queen Charlotte Islands, NWT, Ont, Que incl. Magdalen Islands)
<i>utahense</i> (Knowlton & Rowe, 1934) [USA (Utah)]	
‘B’ Dunbar, 1958 ( <i>aureum</i> cytoform)	
[ <i>aureum</i> : authors (central USA), not Fries]	
<b>reginae</b> Terteryan, 1949 .....	Armenia; Azerbaijan, China (Xi), Georgia, Turkey (?)
<b>salinum</b> (Rubtsov, 1956) .....	Siberia (Irkutskaya ES)
<b>satsumense</b> Takaoka, 1976 .....	Japan (Nansei Islands); China (Li)
<b>silvaticum</b> (Rubtsov, 1962) .....	Russia (St Petersburg CR, SR); Italy, Romania, Serbia, Sweden (?)
‘aff. <i>aureum</i> ’ Sherban, 1961 ( <i>Simulium</i> sp.)	
? ‘N’ Leonhardt, 1987 ( <i>aureum</i> cytoform)	
<b>taipei</b> (Shiraki, 1935) .....	Taiwan. [‘Japan’ error]
<i>taishanense</i> Xue & An, 2001 (junior primary homonym of <i>taishanense</i> Sun & Li, 2000, but no available subst. name) .....	
<b>tenerificum</b> Crosskey, 1988 .....	China (Shandong)
‘L’ Leonhardt, 1985 ( <i>aureum</i> cytoform)	
<i>tenuistylum</i> Yang, Fan & Chen, 2008 (junior primary homonym of <i>tenuistylum</i> Datta, 1973, but no available subst. name) .....	
<b>velutinum</b> (Santos Abreu, 1922) .....	China (Liaoning)
<i>nigripes</i> (Santos Abreu, 1922) [Canary Islands (La Palma)]	
<i>pseudolatipes</i> (Santos Abreu, 1922) [Canary Islands (La Palma)]	
<i>serbicum</i> Baranov, 1925 (preocc.) [Serbia]	
<i>primum</i> (Baranov, 1926) (preocc.) [Macedonia]	
<i>secundum</i> (Baranov, 1926) (preocc.) [Macedonia]	
<i>rubzovianum</i> (Sherban, 1961) [Serbia]	
<i>latinum</i> (Rubtsov, 1962) [Italy]	
‘sp. indet.’ Davies, 1966, 1968 ( <i>Simulium</i> )	
‘I’ Dunbar, 1966 [ <i>in</i> Davies] / Leonhardt, 1985 ( <i>aureum</i> cytoform)	
‘K’ Leonhardt, 1985 ( <i>aureum</i> cytoform)	
<i>velutianum</i> : incorrect subsequent spelling	
[ <i>trabeatum</i> : Rubtsov, 1956, not Enderlein]	
<b>violator</b> Adler, Currie & Wood, 2004 .....	Canada (Northwest Territories, Alb, Lab, Man, Nfld, Ont, Que); USA (NH)
‘D’ Dunbar, 1959 ( <i>aureum</i> cytoform)	
[ <i>aureum</i> : Currie, 1986, not Fries]	
<b>weiningense</b> Chen & Zhang, 1997 .....	China (Guizhou)
‘A’ Datta, 1973 ( <i>Simulium</i> sp.) .....	India (West Bengal)

### Subgenus FREEMANELLUM Crosskey

**FREEMANELLUM** Crosskey, 1969 (as subgenus of *Simulium*). Type species: *berghei* (original designation)

<b>berghei</b> Fain, 1949 .....	Democratic Republic of Congo; Cameroon, Nigeria, Uganda. [? = <i>spinulicorne</i> ]
‘Cameroon’ Lewis & Disney, 1972 (morphoform)	
<b>debegene</b> De Meillon, 1934 .....	South Africa (Limpopo, EC, FS, G, KZN, M, NW);

<b>empopomae</b> De Meillon, 1937 .....	Zimbabwe South Africa (KwaZulu Natal)
<i>empoponae</i> : incorrect subsequent spelling	
<b>hessei</b> Gibbins, 1941 .....	South Africa (Western Cape, EC)
<b>hirsutilateris</b> De Meillon, 1937 .....	South Africa (KwaZulu Natal, L); Tanzania
<i>hirsutilateralis</i> : incorrect subsequent spelling	
<b>manense</b> Elsen & Escaffre, 1976* .....	Ivory Coast; Ghana, Guinea, Liberia, Malawi, Sierra Leone, Tanzania, Togo, Uganda
[ <i>debejene</i> : authors, not De Meillon]	
<b>spinulicorne</b> Fain & Elsen, 1980 .....	Democratic Republic of Congo; Cameroon
[ <i>berghei</i> : Fain & Elsen, 1973, not Fain]	

### Subgenus GOMPHOSTILBIA Enderlein

**GOMPHOSTILBIA** Enderlein, 1921 (as genus)\*. Type species: *ceylonicum* (original designation)  
*NIPPONOSIMULIUM* Shogaki, 1956 (as subgenus of *Simulium*) (unav., post-1930 name based on species with only a vernacular name: J-4 of Bentinck, 1955)

#### AMBIGENS species-group

<b>ambigens</b> Delfinado, 1969 .....	Philippines (Mindanao)
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#### BAISASAE species-group

<b>baisasae</b> Delfinado, 1962 [1960] .....	Philippines (Luzon, Mindoro)
<i>baisasce</i> : incorrect subsequent spelling	
<b>bicolense</b> Takaoka, 1983 .....	Philippines (Luzon, Samar)
<b>visayaense</b> Takaoka, 1983 .....	Philippines (Bohol, Cebu, Leyte, Mindanao, Panay)

#### BANAUENSE species-group

<b>alienigenum</b> Takaoka, 1983 .....	Philippines (Palawan)
<b>antlerum</b> Chen, 2001 .....	China (Hainan)
<b>atuganense</b> Takaoka, 2009 .....	Philippines (Mindanao)
<b>banauense</b> Takaoka, 1983 .....	Philippines (Luzon)
<b>bansonae</b> Takaoka, 1983 .....	Philippines (Luzon)
<b>cagayanense</b> Takaoka, 2005 .....	Philippines (Luzon)
<b>disneyi</b> Takaoka & Roberts, 1988 .....	Indonesia (Sulawesi)
<b>ifugaense</b> Takaoka, 1983 .....	Philippines (Luzon)
<b>katangladense</b> Takaoka, 2009 .....	Philippines (Mindanao)
<b>liliana</b> Takaoka, 2000 .....	Philippines (Luzon)
<b>liliwense</b> Takaoka, 1983 .....	Philippines (Luzon)
<b>manbucalense</b> Takaoka, 1983 .....	Philippines (Negros)
<b>quezonense</b> Takaoka, 2009 .....	Philippines (Luzon)
<b>riverai</b> Takaoka, 1983 .....	Philippines (Negros)
<b>salazarae</b> Takaoka, 1983 .....	Philippines (Mindanao, Bohol, Luzon, Samar)

#### BATOENSE species-group

<b>abadii</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>adleri</b> Jitklang & Kuvangkadilok, 2008 [2007] .....	Thailand
<b>angulistylum</b> Takaoka & Davies, 1995 .....	Malaysia (Malaya); Thailand
<b>apoense</b> Takaoka, 1983 .....	Philippines (Mindanao)
<b>asperum</b> Takaoka, 2003 .....	Indonesia (Maluku)
<b>atratum</b> De Meijere, 1913 .....	Indonesia (Java)
<b>auratum</b> Takaoka, 2009 .....	Malaysia (Sarawak)
<b>babuyanense</b> Takaoka & Tenedero, 2007 .....	Philippines (Palawan)
<b>barioense</b> Takaoka, 2008 .....	Malaysia (Sarawak)
<b>barretti</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)





<b>mindanaoense</b> Takaoka, 1983 .....	Philippines (Mindanao)
<b>miyagii</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>montiblense</b> Takaoka, 1983 .....	Philippines (Palawan); China (Fu), Vietnam
‘A’ Delfinado, 1971 ( <i>Simulium</i> sp.)	
<b>munumense</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland, New Britain)
<b>nami</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>nigrofemoratum</b> [ <i>sic</i> ] Chen & Zhang, 2001 .....	China (Hainan)
<b>omutaense</b> Ogata & Sasa, 1954 .....	Japan (Kyushu, Hon); Korea (South)
<b>otsukai</b> Takaoka & Choochote, 2009 [ <i>in</i> Takaoka, Otsuka, Choochote & Thongsahuan] .....	Thailand
<b>padangense</b> Takaoka & Sigit, 1997 .....	Indonesia (Sumatra)
<b>palauense</b> Stone, 1964 .....	Palau Islands
<b>parahiyangum</b> Takaoka & Sigit, 1992 .....	Indonesia (Java, Sumatra); Malaysia (Malaya, Sabah Sarawak), Thailand
[ <i>dentistylum</i> (part): Takaoka, 2001, not Takaoka & Davies]	
<b>pattoni</b> Senior-White, 1922 .....	India (Tamil Nadu); China (Hainan), Sri Lanka
‘I’ Starmuhlner, 1984 ( <i>Simulium</i> sp.)	
[ <i>atratum</i> : authors, not De Meijere]	
<b>paukatense</b> Takaoka, 2008 .....	Malaysia (Sarawak)
<b>pegalanense</b> Smart & Clifford, 1969 .....	Malaysia (Sabah)
<b>peregrinum</b> Mackerras & Mackerras, 1950 .....	Australia (Queensland)
<b>prayongi</b> Takaoka & Choochote, 2005 .....	Thailand
<b>rarum</b> Takaoka & Tendero, 2008 .....	Philippines (Palawan)
<b>rayohense</b> Smart & Clifford, 1969 .....	Malaysia (Sabah)
<b>repentinum</b> Takaoka & Tendero, 2008 .....	Philippines (Samar)
<b>samareense</b> Takaoka & Tendero, 2008 .....	Philippines (Samar)
<b>sarawakense</b> Takaoka, 2001 .....	Malaysia (Sarawak)
<b>sextuplum</b> Takaoka & Davies, 1995 .....	Malaysia (Malaya)
<b>siamense</b> Takaoka & Suzuki, 1984 (complex) .....	Thailand; Nepal, Vietnam
‘A’ Kuvangkadilok, Lualon & Baimai, 2008 (cytoform) .....	Thailand
‘B’ Kuvangkadilok, Lualon & Baimai, 2008 (cytoform) .....	Thailand
‘C’ Kuvangkadilok, Lualon & Baimai, 2008 (cytoform) .....	Thailand
‘D’ Kuvangkadilok, Lualon & Baimai, 2008 (cytoform) .....	Thailand
‘E’ Kuvangkadilok, Lualon & Baimai, 2008 (cytoform) .....	Thailand
‘F’ Lualon, 2006 (thesis) (cytoform) .....	Thailand
<i>siamese</i> : incorrect subsequent spelling	
<b>singgihi</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>sundaicum</b> Edwards, 1934 .....	Indonesia (Java, Flores, Sumatra); India (WB) (?)
<b>syafruddini</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>synanceium</b> (Chen & Cao, 1983) .....	China (Liaoning)
<i>symanceium</i> , <i>synaceium</i> : incorrect subsequent spellings	
<b>syuhaiense</b> Huang & Takaoka, 2008 .....	Taiwan
<b>tahanense</b> Takaoka & Davies, 1995 .....	Malaysia (Malaya)
<b>tebingense</b> Takaoka & Davies, 1995 .....	Malaysia (Malaya)
<b>torautense</b> Takaoka & Roberts, 1988 .....	Indonesia (Sulawesi)
<b>tuenense</b> Takaoka, 1979 .....	Taiwan
<b>tumidum</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>tumum</b> Chen & Zhang, 2001 .....	China (Hainan)
<b>unum</b> Datta, 1975 .....	India (Assam)
<b>whartoni</b> Takaoka & Davies, 1995 .....	Malaysia (Malaya); Indonesia (Sumatra)
[ <i>zonatum</i> : Crosskey, 1973, 1988, not Edwards]	
<b>yaeyamaense</b> Takaoka, 1991 .....	Japan (Nansei Islands)
[ <i>batoense</i> : Ogata, 1956, not Edwards]	
<b>yuanbaoshanense</b> Chen, Zhang & Zhang, 2007 .....	China (Guangxi Zhuang)
<b>zonatum</b> Edwards, 1934 .....	Indonesia (Sumatra). [‘Malaya’ error]
‘A’ Phasuk, Chanpaisaeng, Adler & Courtney, 2005 ( <i>Simulium</i> sp.) .....	Thailand
‘B’ Phasuk, Chanpaisaeng, Adler & Courtney, 2005 ( <i>Simulium</i> sp.) .....	Thailand

CEYLONICUM species-group

<b>ambonense</b> Takaoka, 2003 .....	Indonesia (Maluku)
<b>asakoe</b> Takaoka & Davies, 1995 (complex) .....	Malaysia (Malaya, Sabah, Sarawak); China (HK),
‘C’ Takaoka & Suzuki, 1984 ( <i>Simulium</i> sp.)	Thailand, Vietnam
<b>atratoides</b> Takaoka & Davies, 1996 .....	Indonesia (Java)
<i>atratoides</i> Takaoka & Davies, 1995 (unav., <i>nomen nudum</i> )	
<b>brevilabrum</b> Takaoka, Hadi & Sigit, 2006 .....	Indonesia (Flores)
<b>ceylonicum</b> (Enderlein, 1921 [April]) (available) .....	Sri Lanka
<b>chiangdaoense</b> Takaoka & Srisuka, 2009 .....	Thailand
<b>curtatum</b> Jitklang, Kuvangkadilok, Baimai, Takaoka & Adler, 2008 .....	Thailand
<b>curvastylum</b> Chen & Zhang, 2001 .....	China (Hainan)
<i>curvasrylum</i> : incorrect subsequent spelling	
<b>darjeelingense</b> Datta, 1973 .....	India (West Bengal), Nepal
<b>doisaketense</b> Jitklang, Kuvangkadilok, Baimai, Takaoka & Adler, 2008..	Thailand
<b>dudgeoni</b> Takaoka & Davies, 1995 [ <i>in</i> Takaoka, Davies & Dudgeon] .....	China (Hong Kong)
<b>ela</b> Davies & Györkös, 1987 .....	Sri Lanka
‘III’ Davies, 1984 ( <i>Simulium</i> sp.)	
<b>fanjingshanense</b> Chen, Zhang & Wen, 2000 .....	China (Guizhou)
<b>gimpuense</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>guniki</b> Takaoka, 2001 .....	Malaysia (Sabah)
<b>gyorkosae</b> Takaoka & Davies, 1996 .....	Indonesia (Java, Sulawesi, Sumatra)
<i>gyorkosae</i> Takaoka & Davies, 1995 (unav., <i>nomen nudum</i> )	
<b>hoiseni</b> Takaoka, 2008 .....	Malaysia (Malaya)
<b>inthanonense</b> Takaoka & Suzuki, 1984 .....	Thailand; China (Yu), Vietnam
<b>jianfengense</b> Long, An & Hao, 1994 .....	China (Hainan)
<b>kamimururai</b> Takaoka, 2003 .....	Indonesia (Maluku, Sulawesi)
<b>laoshanstum</b> Ren, An & Kang, 1998 .....	China (Shandong)
<b>longitruncum</b> Takaoka & Davies, 1995 .....	Malaysia (Malaya)
<i>longitruncum</i> Zhang & Chen, 2003 (junior primary homonym of	
<i>longitruncum</i> Takaoka & Davies, 1995, but no	
available subst. name) .....	China (Hainan)
<b>mengi</b> Chen, Zhang & Wen, 2000 .....	China (Guizhou)
<b>metatarsale</b> Brunetti, 1911 .....	India (West Bengal, Sik); China (Fu, Gu, Hainan, Ji, Yu),
<i>metatarsale</i> , <i>meteatarsale</i> : incorrect subsequent spellings	Indonesia (Java), Taiwan. [‘West Malaysia’ error]
<b>miaolingense</b> Wen & Chen, 2000 .....	China (Guizhou)
<b>mindoroense</b> Takaoka & Tenedero, 2007 .....	Philippines (Mindoro)
<b>mogii</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>namense</b> Takaoka, 1989 .....	Burma
<b>napuense</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>nepalense</b> Lewis, 1964 .....	Nepal
<b>ogatai</b> (Rubtsov, 1962) .....	Japan (Honshu, Sh)
‘Tategata-buyu’ Kani, 1944	
‘J-13’ Bentinck, 1955 ( <i>Simulium</i> sp.)	
<b>okinawense</b> Takaoka, 1976 .....	Japan (Okinawa Island)
<i>okinawaense</i> : incorrect subsequent spelling	
<b>pingxiangense</b> An, Hao & Mai, 1990 .....	China (Guangxi Zhuang)
<b>rosemaryae</b> Takaoka & Roberts, 1988 .....	Indonesia (Sulawesi)
<b>rutengense</b> Takaoka, Hadi & Sigit, 2006 .....	Indonesia (Flores)
<b>sheilae</b> Takaoka & Davies, 1995 .....	Malaysia (Malaya, Sabah, Sarawak); Indonesia
‘g’ Kuvangkadilok, Boonkemtong, Phayuhaseana & Baimai,	(Sumatra), Thailand
2003 ( <i>Simulium</i> sp.)	
[ <i>metatarsale</i> : Crosskey, 1973, not Brunetti]	
<b>tenuistylum</b> Datta, 1973 .....	India (West Bengal, Sikkim)
<b>tokarensis</b> Takaoka, 1973 .....	Japan (Tokara Islands)
<b>trangense</b> Jitklang, Kuvangkadilok, Baimai, Takaoka & Adler, 2008 .....	Thailand
‘nr. <i>sheilae</i> ’ Phasuk, Chanpaisaeng, Adler & Courtney, 2005 /	
Thanwisai, Kuvangkadilok & Baimai, 2006 ( <i>Simulium</i> sp.)	
[ <i>sheilae</i> : Phasuk, Chanpaisaeng, Adler & Courtney, 2005,	

not Takaoka & Davies]	
<b>udomi</b> Takaoka & Choochote, 2006 .....	Thailand
<b>wuyishanense</b> Chen & Zhang, 2009 [ <i>in</i> Zhang, Gao, Cai, Huang & Chen, 2009 .....	China (Fujian)
<b>xizangense</b> An, Zhang & Deng, 1990 .....	China (Tibet)
<b>zayuense</b> An, Zhang & Deng, 1990 .....	China (Tibet)
<i>zayüensis</i> : incorrect original spelling (alternative)	
‘C’ Phasuk, Chanpaisaeng, Adler & Courtney, 2005 ( <i>Simulium</i> sp.) .....	Thailand
‘2’ Jitklang, Kuvangkadilok, Baimai, Takaoka & Adler, .....	Thailand
2008 ( <i>Simulium</i> sp. nr. <i>asakoe</i> )	
‘3’ Jitklang, Kuvangkadilok, Baimai, Takaoka & Adler, .....	Thailand
2008 ( <i>Simulium</i> sp. nr. <i>asakoe</i> )	
‘4’ Jitklang, Kuvangkadilok, Baimai, Takaoka & Adler, .....	Thailand
2008 ( <i>Simulium</i> sp. nr. <i>asakoe</i> )	
‘3’ Jitklang, Kuvangkadilok, Baimai, Takaoka & Adler, .....	Thailand
2008 ( <i>Simulium</i> sp. nr. <i>sheilae</i> )	

#### HIROSHII species-group

<b>hiroshii</b> Takaoka, 1994 .....	Solomon Islands (Guadalcanal, New Georgia Islands); New Guinea (Bougainville)
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#### SHERWOODI species-group

<b>kerei</b> Takaoka & Suzuki, 1994 .....	Solomon Islands (New Georgia Island)
<b>noronense</b> Takaoka & Suzuki, 1995 .....	Solomon Islands (New Georgia Island); New Guinea (Bougainville)
<b>pangunaense</b> Takaoka, 1995 .....	New Guinea (Bougainville)
‘1’ Yule, 1996 ( <i>Simulium</i> ( <i>Morops</i> ) sp.)	
<b>peggyae</b> Takaoka, 1995 .....	New Guinea (Bougainville)
<b>rhopaloides</b> Craig, Englund & Takaoka, 2006 .....	Solomon Islands (Guadalcanal)
<b>sherwoodi</b> Stone & Maffi, 1971 .....	Solomon Islands (Guadalcanal)
<b>yuleae</b> Takaoka, 1995 .....	New Guinea (Bougainville)
‘2’ Yule, 1996 ( <i>Simulium</i> ( <i>Morops</i> ) sp.)	

#### TRIRUGOSUM species-group

<b>trirugosum</b> Davies & Györkös, 1988 .....	Sri Lanka
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#### VARICORNE species-group

<b>burtoni</b> Takaoka & Davies, 1995 .....	Malaysia (Malaya); Thailand (?)
<b>charlesi</b> Takaoka, 2008 .....	Malaysia (Sarawak)
<b>chumpornense</b> Takaoka & Kuvangkadilok, 2000 [ <i>in</i> Kuvangkadilok & Takaoka] .....	Thailand
<b>kuvangkadilokae</b> Pramual & Tangkawanit, 2008 .....	Thailand
<b>novemarticulatum</b> Takaoka & Davies, 1995 .....	Malaysia (Malaya); Thailand
<b>shogakii</b> (Rubtsov, 1962) .....	Japan (Honshu & Kyushu & Shikoku, Hok); China (Jilin, Li, Si), Korea (South)
‘J-4’ Bentinck, 1955 ( <i>Simulium</i> sp.)	
<i>schogakii</i> : incorrect subsequent spelling	
<b>tomae</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>varicorne</b> Edwards, 1929 .....	Indonesia (Sumatra, Java); Malaysia (Malaya), Nepal

#### *Gomphostilbia* species unplaced to group

<b>altayense</b> Cai, An & Li, 2005 .....	China (Xinjiang)
<b>bannaense</b> Chen & Zhang, 2003 .....	China (Yunnan)
<b>bataksense</b> Takaoka & Tenedero, 2007 .....	Philippines (Palawan)
<b>guizhouense</b> Chen, Zhang & Yang, 2003 .....	China (Guizhou, Hubei)

<b>hunanense</b> Zhang & Chen, 2004 .....	China (Hunan)
<b>jinbianense</b> Zhang & Chen, 2004 .....	China (Hunan)
<i>jinbinense</i> : incorrect subsequent spelling	
<b>makartschenkovi</b> (Bodrova, 1987) .....	Siberia (Sakhalin FE)
<b>mamasaense</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>meadowi</b> Mahe, Ma & An, 2003 .....	China (Xinjiang)
<b>serratatum</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>simianshanense</b> Wang, Li & Sun, 1996 .....	China (Sichuan)
<i>simiaushanense</i> : incorrect subsequent spelling	
<b>sulawesiense</b> Takaoka & Roberts, 1988 .....	Indonesia (Sulawesi)
<b>sumatraense</b> An, Nie & Chen, 2006 [ <i>in</i> Nie, Chen, Li, An & Li] .....	Indonesia (Sumatra)
junior primary homonym of <i>sumatraense</i> Takaoka & Sigit, 1997, but no available subst. name)	
<b>tashikulganense</b> Mahe, Ma & An, 2003 .....	China (Xinjiang)
<b>vischarvi</b> (Chubareva, 1996) .....	Tajikistan
<b>yunnanense</b> Chen & Zhang, 2004 .....	China (Yunnan)
‘A’ Takaoka & Davies, 1995 ( <i>Simulium</i> sp.) .....	Malaysia (Malaya)
‘E’ Smart & Clifford, 1965 ( <i>Simulium</i> sp.) .....	New Guinea (PNG mainland)
‘F’ Smart & Clifford, 1965 ( <i>Simulium</i> sp.) .....	New Guinea (New Britain)
‘G’ Smart & Clifford, 1965 ( <i>Simulium</i> sp.) .....	New Guinea (PNG mainland)
‘H’ Smart & Clifford, 1965 ( <i>Simulium</i> sp.) .....	New Guinea (PNG mainland)
‘J’ Smart & Clifford, 1965 ( <i>Simulium</i> sp.) .....	New Guinea (PNG mainland)
‘I’ Saito, Uemoto & Afzal, 1989 ( <i>Simulium</i> sp.) .....	Pakistan
‘Lakhimpur’ Lewis, 1974 ( <i>Simulium</i> sp.) .....	India (Assam)
‘Ranga’ Lewis, 1974 ( <i>Simulium</i> sp.) .....	India (Assam)

#### Subgenus **HEBRIDOSIMULIUM** Grenier & Rageau

**HEBRIDOSIMULIUM** Grenier & Rageau, 1961 (as genus)\*. Type species: *jolyi* (original designation)

#### CALLIPYGIUM species-group

<b>banksi</b> Craig, 2006 [ <i>in</i> Craig, Currie, Hunter & Spironello] .....	Vanuatu (Vanua Lava)
<b>callipygium</b> Craig, 2006 [ <i>in</i> Craig, Currie, Hunter & Spironello] .....	Vanuatu (Espíritu Santo, Vanua Lava)
<b>johnfrumi</b> Craig, 2006 [ <i>in</i> Craig, Currie, Hunter & Spironello] .....	Vanuatu (Tanna, Erromango)
<b>pankumuense</b> Craig, 2006 [ <i>in</i> Craig, Currie, Hunter & Spironello] ....	Vanuatu (Malekula)
<b>tuberculum</b> Craig, 2006 [ <i>in</i> Craig, Currie, Hunter & Spironello] .....	Vanuatu (Éfaté)
[ <i>jolyi</i> (part): Grenier & Rageau, 1961 / Crosskey, 1967, not Roubaud]	

#### STEATOPYGIUM species-group

<b>adsonense</b> Craig, 2006 [ <i>in</i> Craig, Currie, Hunter & Spironello] .....	Vanuatu (Espíritu Santo)
<b>anatolicum</b> Craig, 1987 .....	Society Islands (Tahiti)
? ‘forbidden’ Craig, 1983 ( <i>Simulium</i> cytoform)	
<b>jolyi</b> Roubaud, 1906 .....	Vanuatu (Malekula)
<i>jolii</i> : incorrect subsequent spelling	
<b>laciniatum</b> Edwards, 1924 .....	Fiji (Viti Levu, Kadavu, Ovalau, Taveuni, Vanua Levu)
<i>laciniotum</i> : incorrect subsequent spelling	
[ <i>jolyi</i> (part): Edwards, 1932 / Grenier & Rageau, 1961 / Crosskey, 1967, not Roubaud]	
<b>lucyae</b> Craig, 2006 [ <i>in</i> Craig, Currie, Hunter & Spironello] .....	Vanuatu (Aneityum)
<b>paradisium</b> Craig, 2006 [ <i>in</i> Craig, Currie, Hunter & Spironello] .....	Vanuatu (Espíritu Santo)
<b>spiroi</b> Craig, Currie & Hunter, 2006 [ <i>in</i> Craig, Currie, Hunter Hunter & Spironello] .....	Vanuatu (Malekula)
<b>steatopygium</b> Craig, 2006 [ <i>in</i> Craig, Currie, Hunter & Spironello] ....	Vanuatu (Éfaté, Espíritu Santo)
<b>subparadisium</b> Craig, 2006 [ <i>in</i> Craig, Currie, Hunter & Spironello] ..	Vanuatu (Espíritu Santo)
<b>supercilium</b> Craig, 2006 [ <i>in</i> Craig, Currie, Hunter & Spironello] .....	Vanuatu (Pentecôte)

**undulatum** Craig, 2006 [*in* Craig, Currie, Hunter & Spironello] ..... Vanuatu (Vanua Lava)

### Subgenus **HELLICHIELLA** Rivosecchi & Cardinali

**HELLICHIELLA** Rivosecchi & Cardinali, 1975 (as genus). Type species: *saccai* (original designation)  
*PARAHELLICHIELLA* Golini, 1982 (thesis) (unav., *nomen nudum*)

#### CONGAREENARUM species-group

- acutum** (Patrusheva, 1971) ..... Siberia (Yamal WS)
- anatinum** Wood, 1963 [1962] ..... Canada (Ontario, Alb, Man, Nfld, Nun, NWT, Que, Sask); USA (Alaska, Mic, Wis)  
‘H’ Bennett, 1960 (*Simulium*)  
‘T’ Anderson & DeFoliart, 1961 (*Cnephia* sp.)  
[see Adler *et al.*, 2004 for misidentifications]
- barabense** (Rubtsov, 1973) ..... Siberia (Novosibirskaya WS)
- chiharuae** Takaoka, Otsuka & Fukuda, 2007 ..... Japan (Honshu)  
‘2’ Onishi, Uemoto & Orii, 1971 (*Eusimulium* sp.)
- congareenarum** (Dyar & Shannon, 1927) ..... USA (South Carolina, Del, Flo, Geo, Lou, Mar, Misp, NC, NJ, NY, Vir); Canada (NWT, Ont)  
‘b’ Dunbar, 1967 (cytoform)  
*congareenarum*: incorrect subsequent spelling
- dogieli** (Rubtsov, 1956, attrib. Usova) ..... Russia (Karelia KM); Belarus, Finland, Lithuania, Siberia (WS), Sweden
- fallisi** (Golini, 1975) ..... Norway
- innocens** (Shewell, 1952) ..... Canada (Ontario, BC, NWT); USA (Mic, Utah)  
*innocens*: incorrect subsequent spelling
- latipes** (Meigen, 1804) [ICZN List] ..... Germany [holotype validated ICZN Opinion 1416]; Austria, Belgium, Britain (En, Sc), Denmark, Estonia, France, Ireland, Latvia, Netherlands, Russia (CR, KM), Siberia (WS), Spain, Sweden, Switzerland, Ukraine, Tunisia (?)  
*subexcisum* Edwards, 1915 [Britain (England)]  
*yerburyi* Edwards, 1920 [Britain (England)]  
*marinae* (Usova, 1987) (unav., *nomen nudum*)  
*marinae* (Chubareva, Petrova & Kachvoryan, 1996) (unav., *nomen nudum*)  
*marinae* (Chubareva & Petrova, 2003) (unav., *nomen nudum*)  
*marinae* (Usova & Reva, 2008) (unav., *nomen nudum*)  
*subexcisum*: incorrect subsequent spelling
- minus** (Dyar & Shannon, 1927) ..... USA (California)
- nebulosum** Currie & Adler, 1986 ..... Canada (British Columbia: Queen Charlotte Islands and mainland); USA (Alaska, Cal, Idaho, Ore, Was)  
[*anatinum*: Mahrt, 1982, not Wood]  
[*gouldingi*: Mahrt, 1982, not Stone]
- [oligocenicum** Rubtsov, 1936] ..... [Russia (Kaliningrad): Oligocene (Baltic amber)]
- rendalense** (Golini, 1975) ..... Norway; Canada (NWT), Finland, Russia (NR), Sweden  
‘1’ Golini, 1970 (thesis) (*Eusimulium* sp., part)  
*randalense*: incorrect subsequent spelling
- rivi** (Ivashchenko, 1970) ..... Russia (Ivanovo CR)
- saccai** (Rivosecchi, 1967) ..... Italy
- sedecimfistulata** Rubtsov, 1963 ..... Poland
- tsheburovae** (Rubtsov, 1956)\* ..... Russia (Murmansk KM); Finland, Norway, Sweden
- turneri** Gibbins, 1938 ..... ‘South Africa (Western Cape)’ [? error]
- usovae** (Golini, 1987) ..... Norway; Canada (Nun), Finland, Sweden  
‘1’ Golini, 1970 (thesis) (*Eusimulium* sp., part)  
‘near *dogieli*’ Golini, 1975 (*Eusimulium*)  
‘Opinaca’ Golini, 1982 (thesis) / Rothfels & Golini, ..... Canada (Quebec)  
1983 (*Hellichella* cytoform)  
‘Opinaga’: Golini, 1982 (thesis) (lapsus)  
*opinaca* (Chubareva & Petrova, 2003) (unav., *nomen nudum*, attrib. Rothfels & Golini)

RIVULI species-group

<b>curriei</b> Adler & Wood, 1991 .....	USA (California, Ari, Col, Ore, Utah); Canada (BC)
<b>excisum</b> Davies, Peterson & Wood, 1962 [1961] .....	Canada (Ontario, BC, NB, Nun, NWT, Man, Que); USA
‘near <i>subexcisum</i> ’ Shewell, 1957	(Alaska, Mic, Min, NY)
? ‘#1’ Anderson & Dicke, 1960 ( <i>Cnephia</i> sp.)	
[ <i>gouldingi</i> : authors (Alaska), not Stone]	
[ <i>subexcisum</i> : Canadian authors, not Edwards]	
<b>mysterium</b> Adler, Currie & Wood, 2004 .....	USA (California)
<b>rivuli</b> Twinn, 1936 .....	Canada (Ontario, Que); USA (Con, Maine, Mas, Pen)
‘near <i>innocens</i> ’ Adler <i>et al.</i> , 1982	

**Subgenus HEMICNETHA Enderlein**

<b>HEMICNETHA</b> Enderlein, 1934 (as genus). Type species: <i>paynei</i> , as <i>mexicana</i> Enderlein (original designation)
<i>HEARLEA</i> Rubtsov, 1940 (unav., <i>nomen nudum</i> )
<i>DYARELLA</i> Vargas, Martínez Palacios & Díaz Nájera, 1946 (as subgenus of <i>Simulium</i> ). Type species: <i>tarsatum</i> , as <i>mexicanum</i> Bellardi (original designation)
<i>HEARLEA</i> Vargas, Martínez Palacios & Díaz Nájera, 1946 (as subgenus of <i>Simulium</i> ). Type species: <i>canadense</i> (original designation)
<i>HAGENOMYIA</i> Shewell, 1959 (as subgenus of <i>Simulium</i> ) (preocc.). Type species: <i>pictipes</i> (original designation)
<i>SHEWELLOMYIA</i> Peterson, 1975 (subst. name for <i>Hagenomyia</i> Shewell, therefore same type species)
<i>HELOCNETHA</i> : incorrect subsequent spelling

CANADENSE species-group\*

<b>ayrozai</b> Vargas, 1945 .....	Mexico (Federal District, MS, Pu); Guatemala
<i>ayrosai</i> : incorrect subsequent spelling	
<b>burchi</b> Dalmat, 1951 .....	Guatemala
<b>canadense</b> Hearle, 1932 .....	Canada (British Columbia); Mexico (Du, FD, Ms, Ox,
<i>fraternum</i> Twinn, 1938 [USA (Utah)]	Pu, Vz), USA (Ari, Cal, Col, Flo, Idaho, Nev, NM, Ore,
<i>canidense</i> : incorrect subsequent spelling	SD, Utah, Was, Wyo)
[ <i>virgatum</i> : Hearle, 1929, not Coquillett]	
<b>capricorne</b> De León, 1945 .....	Guatemala; Mexico (Ch, Du, FD, Mo, MS, Ox, Pu, Vz)
<i>deleoni</i> Vargas, 1945 [Mexico (Federal District)]	
<b>carolinae</b> De León, 1945 .....	Guatemala; Mexico (Ch, Ox, Vz)
<b>chiriquiense</b> Field, 1967 .....	Panama; Costa Rica
<b>contreense</b> Díaz Nájera & Vulcano, 1962 .....	Mexico (Federal District, Mo, Ox)
<b>dalmati</b> Vargas & Díaz Nájera, 1948 .....	Mexico (Veracruz, Mo)
<b>delatorrei</b> Dalmat, 1950 .....	Guatemala; Mexico (Ch)
<b>estevezi</b> Vargas, 1945 .....	Mexico (Oaxaca, Ch, FD, Gu, Mo, Vz)
[ <i>canadense</i> : Vargas, 1943, not Hearle]	
<b>ethelae</b> Dalmat, 1950 .....	Guatemala; Mexico (Ch)
<b>gorirossiae</b> Vargas & Díaz Nájera, 1957 .....	Mexico (Chiapas, Ox, Vz); Guatemala
<i>gorirossii</i> : incorrect original spelling (justifiably emended <i>-ae</i> )	
<b>johnsoni</b> Vargas & Díaz Nájera, 1957 .....	Mexico (Veracruz, Mi, Ox)
<b>juarezi</b> Vargas & Díaz Nájera, 1957 .....	Mexico (Oaxaca, Ch, Mi, MS, Vz)
<b>larvispinosum</b> De León, 1948 .....	Guatemala; Mexico (Ch)
<b>menchacai</b> Vargas & Díaz Nájera, 1957 .....	Mexico (Oaxaca)
<b>microbranchium</b> Dalmat, 1949 .....	Guatemala
<b>nigricorne</b> Dalmat, 1950 .....	Guatemala
<b>paracarolinae</b> Coscarón, 2004 [ <i>in</i> Coscarón, Miranda-Esquivel, Moulton, Coscarón-Arias & Ibáñez-Bernal] .....	Guatemala
<i>paracarolinae</i> Coscarón, Miranda-Esquivel, Moulton, Coscarón-Arias & Ibáñez-Bernal, 2002 (unpublished under <i>Code Article 9.9</i> )	
<b>temascalense</b> Díaz Nájera & Vulcano, 1962 .....	Mexico (Michoacan, Ox)

PAYNEI species-group

- biuxinisa** Coscarón & Ibáñez-Bernal, 1995 [1993] ..... Mexico (Oaxaca)
- brachycladum** Lutz & Pinto, 1932 [1931] [*in* Pinto] ..... Brazil (Pernambuco, Bahia, Ceará, ES, MG, Pba, RGN, RJ, SP)  
*brevibranchium* Lutz & Machado, 1915 (unav., *nomen nudum*)  
*brachycladium*: incorrect subsequent spelling  
*brevibranchium*: incorrect subsequent spelling
- bricenoi** Vargas, Martínez Palacios & Díaz Nájera, 1946 ..... Mexico (Mexico State, Du, FD, GJ, Hi, Mo, Vz); USA  
*wirthi* Peterson & Craig, 1997 [1996] [USA (New Mexico)] (Ari, NM)  
 ? ‘C & D’ Muhammad, 1988 (thesis) (*virgatum* cytoforms)  
*briseñoi*: incorrect subsequent spelling
- crystalinum** Coscarón & Py-Daniel, 1989 [or ? issued 1991] ..... Brazil (Roraima)
- falculatum** (Enderlein, 1929)\* ..... Mexico (Veracruz)  
*coffea* Vargas, 1945 (unnecessary subst. name, for *falculatum*)
- guerrerense** Vargas & Díaz Nájera, 1956 ..... Mexico (Guerrero)  
*pulverulentum*: Vargas, 1943 / Vargas *et al.*, 1946, not Knab]
- hippovororum** Malloch, 1914 ..... Mexico (Chihuahua); Canada (BC), USA (Cal, Idaho, Ore)  
*virgatum*: authors, not Coquillett]
- lobatoi** Luna Dias, Hernández, Maia-Herzog & Shelley, 2004 ..... Brazil (Goiás, MGr)
- paynei** Vargas, 1942 (subst. name) ..... Mexico ([no type loc.], Ch, Co, Du, FD, Gu, Ja, Mi, Mo, MS, NL, Ox, Pu, Si, SLP, Vz); Colombia, Costa Rica, Ecuador, Guatemala, Nicaragua, Panama, Peru (Junin, Lima), USA (Ari, NM, Okl, Texas), Venezuela  
*mexicanum* (Enderlein, 1934) (preocc.) [Mexico (? state)]  
*mathesoni* Vargas, 1943 [Mexico (Morelos)]  
*bilimekae* Smart, 1944 (unnecessary subst. name, for *mexicanum* Enderlein)  
*acatenangoense* Dalmat, 1951 [Guatemala]  
*conviti* Ramírez-Pérez & Vulcano, 1973 [Venezuela]  
 ? ‘A’ Muhammad, 1988 (thesis) (*virgatum* cytoform)  
 ? ‘B’ Muhammad, 1988 (thesis) (*virgatum* cytoform)  
*paynes*, *paynoi*, *peynei*: incorrect subsequent spellings  
*virgatum*: authors (Oklahoma) / Vargas *et al.*, 1946 / Dalmat, 1955, not Coquillett]
- pulverulentum** Knab, 1915 [1914] ..... Belize; Colombia, Costa Rica, El Salvador, Guatemala, Honduras, Mexico (Ch, Gu, Hi, Mi, Mo, Ox, SLP, Vz), Nicaragua, Panama, Venezuela. [‘Guyana’ error]
- rubrithorax** Lutz, 1909 ..... Brazil (Minas Geiras [neotype], Bahia, Ceará, Goiás, MGr, RGS, RJ, Ror, SC, SP); Argentina (Mis), Bolivia, Colombia, Venezuela. [‘Guyana’ error]  
*magnum* Lane & Porto, 1940 [*in* Porto] [Brazil (Mato Grosso)]  
*mutucuna* Nunes de Mello & Vieira da Silva, 1974 [Brazil (Roraima)]  
*major*: incorrect subsequent spelling (of *magnum*)  
*rubritorax*: incorrect subsequent spelling
- solarii** Stone, 1948 ..... USA (Texas, NM); Mexico (MS, NL, SLP, Ta)  
*virgatum*: authors, not Coquillett]  
*Prosimulium* sp.: Sites & Nichols, 1990, not Roubaud]
- virgatum** Coquillett, 1902 (complex) ..... USA (New Mexico, Ari, Col, Neb, SD, Texas, Utah, Wyo); Belize, El Salvador, Guatemala, Mexico (Ca, Ch, Co, Du, Ja, Mi, Mo, Ox, Si, SLP, Tb, Vz), Panama  
*cinereum* Bellardi, 1859 (preocc.) [Mexico (Morelos)]  
*tephrodes* Speiser, 1904 (subst. name)  
*rubicundulum* Knab, 1915 [1914] [Mexico (Veracruz)]  
*chiapanense* Hoffmann, 1930 [Mexico (Chiapas)]  
*chiapense*: incorrect subsequent spelling

PICTIPES species-group

- claricentrum** Adler, 1990 ..... USA (Pennsylvania, Ark, Misr, NY, Okl, Ten)  
 ‘a’ [also ‘A’] Reisen, 1974 (*Simulium* sp.)  
 ‘A’ Bedo, 1975 (*pictipes* cytoform)
- innoxium** Comstock & Comstock, 1895 ..... USA (New York, Ala, Geo, Ken, Mar, Mic, Min, Misr, NC, Pen, SC, Ten, Vir, WV); Canada (Ont, Que)  
*aldrichianum* (Enderlein, 1936) [USA (New York)]  
 ‘B’ Bedo, 1975 (*pictipes* cytoform)  
*pictipes*: authors, not Hagen]
- pictipes** Hagen, 1880 ..... USA (New York, Mic, Min); Canada (Alb, Lab, Man,



*longistylatum* Shewell, 1959 [Canada (Quebec)] Nfld, NWT, Ont, Que, Sask)  
 ‘nr. *pictipes*’ Shewell, 1957 (*Simulium* sp.)  
 ‘M’ Wolfe & Peterson, 1959 (*Simulium* sp.)

#### TARSATUM species-group

**earlei** Vargas, Martínez Palacios & Díaz Nájera, 1946 ..... Mexico (Morelos, Co, FD, Gu, Mi, MS, NL, Ox, Vz);  
*dehnei* Field, 1969 [Panama] Belize, Costa Rica, Guatemala, Panama  
*deheni*: incorrect subsequent spelling  
*earli*: incorrect subsequent spelling  
**freemani** Vargas & Díaz Nájera, 1949 ..... Mexico (Oaxaca, GJ, Gu, Mi); Costa Rica, USA (Ari,  
 NM, Utah)  
**hieroglyphicum** Peterson, Vargas & Ramírez-Pérez, 1988\* ..... Costa Rica; Panama  
**hinmani** Vargas, Martínez Palacios & Díaz Nájera, 1946 ..... Mexico (Mexico State, Ch, Co, FD, Ja, Ox, Vz)  
**keenani** Field, 1969 ..... Panama  
**oviedoi** Ramírez-Pérez, 1971\* ..... Venezuela  
**rivasi** Ramírez-Pérez, 1971\* ..... Venezuela  
*ribai, ribasi, rivai*: incorrect original spellings  
**smarti** Vargas, 1946 ..... Mexico (Chiapas, Ox); Guatemala  
**tarsale** Williston, 1896 ..... Saint Vincent; Dominica, Guadeloupe  
*clavipes* Malloch, 1914 [Guadeloupe]  
**tarsatum** Macquart, 1846 [1844] ..... Colombia; Argentina (Jujuy), Belize, Bolivia, Costa Rica,  
*mexicanum* Bellardi, 1862 [1864/5] [Mexico (Veracruz)] Ecuador, El Salvador, Guatemala, Honduras, Mexico  
*seriatum* Knab, 1914 [Peru (Lima)] (Ch, MS, Ox, Ver), Panama, Peru (Cuzco, Lima),  
*aureopunctatum* Malloch, 1914 [Guatemala] Trinidad (incl. Tobago), Venezuela  
*placidum* Knab, 1915 [Trinidad]  
*lugubre* Lutz & Nuñez Tovar, 1928 [*in* Lutz] [Venezuela]  
*turgidum* (Hoffmann, 1930) [Mexico (Chiapas)]  
*laticax* (Enderlein, 1934) [1933] [Peru (Cuzco)]  
*latidigitus* (Enderlein, 1936) [Colombia]  
*bellardii* (Py-Daniel & Moreira Sampaio, 1994) (unnecessary  
 subst. name for *mexicanum* Bellardi)  
**yepocapense** Dalmat, 1949 ..... Guatemala; Mexico (Chiapas, Du)  
*ardeni* Dalmat, 1953 [Guatemala]

#### Subgenus INAEQUALIUM Coscarón & Wygodzinsky

**INAEQUALIUM** Coscarón & Wygodzinsky, 1984 (as subgenus of *Simulium*). Type species: *inaequale* (original designation)  
*INAEQUALIUM* Coscarón, 1981 [1980] (unav., *nomen nudum*)  
*INAEQUALIM*: incorrect subsequent spelling

#### BOTULIBRANCHIUM species-group

**botulibranchium** Lutz, 1910 ..... Brazil (Rio de Janeiro, RGS, SC, SP); Argentina (Mis)  
*botulibranchium, butulibranchium, tulibranchium*:  
 incorrect subsequent spellings  
**marins** Pepinelli, Hamada & Currie, 2009 ..... Brazil (São Paulo)  
**petropoliense** Coscarón, 1981 [1980] ..... Brazil (Rio de Janeiro)  
**souzalopesi** Coscarón, 1981 [1980] ..... Brazil (Rio de Janeiro)

#### INAEQUALE species-group

**clavibranchium** Lutz, 1910 ..... Brazil (São Paulo, MG, RGS, RJ, Ron, SC)  
*[subclavibranchium*: authors (except Brazil [Rôndonia]), not Lutz]  
**diversibranchium** Lutz, 1910 ..... Brazil (São Paulo, MG, RGS, RJ, SC); Argentina (Mis)  
*missionum* Coscarón, 1976 [Argentina (Misiones)]  
**inaequale** (Paterson & Shannon, 1927) ..... Argentina (Tucumán [neotype], Jujuy, Mis, Salta);  
*baiense* Pinto, 1932 [1931] [Brazil (Bahía)] Bolivia, Brazil (Amapá, Bahía, BFD, ES, Goiás, MG,

<i>manicatum</i> (Enderlein, 1934) [1933] [Paraguay]	MGr, Par, Pba, RGS, RJ, Ror, SC, SP, Toc), Costa
<i>argentatum</i> (Enderlein, 1936) [Peru ('Hoch-Peru')]	Rica, Ecuador, Guyana, Panama, Paraguay, Peru
<i>clarki</i> Fairchild, 1940 [Panama]	('Hoch-Peru'), Venezuela
<i>jundiaense</i> d'Andretta & Dolores González, 1964 [Brazil (São Paulo)]	
<i>pseudoexiguum</i> Nunes de Mello & Barbosa de Almeida, 1974 [Brazil (Roraima)]	
<i>hauseri</i> Strieder, 1998 (thesis) (unav., <i>nomen nudum</i> )	
<i>hauseri</i> Coscarón & Coscarón-Arias, 2007 (unav., <i>nomen nudum</i> )	
<i>jundiaense</i> : incorrect subsequent spelling	
[ <i>subnigrum</i> : Pinto, 1932 [1931] (part), not Lutz]	
<b>lundi</b> (Py-Daniel & Barbosa, 2007)* .....	Brazil (Amazonas)
<b>maranguapense</b> (Pessoa, Ríos-Velásquez & Py-Daniel, 2005) .....	Brazil (Ceará)
<b>margaritatum</b> Pepinelli, Hamada & Luz, 2006 .....	Brazil (Bahía)
<b>mariavulcanoae</b> Coscarón & Wygodzinsky, 1984 .....	Brazil (São Paulo)
<b>rappae</b> Py-Daniel & Coscarón, 1982 .....	Brazil (Minas Gerais, Goiás, RJ, SP)
<b>subnigrum</b> Lutz, 1910 .....	Brazil (Rio de Janeiro, Bahía, BFD, Ceará, Goiás, MG, MGr, MGrS, Par, RGS, Ron, Ror, SC, SP); Argentina (Cos, Mis), Colombia, Paraguay, Trinidad, Venezuela
<i>diversifurcatum</i> Lutz, 1910 [Brazil (São Paulo)]	
<i>subclavibranchium</i> Lutz, 1910 [Brazil (Rondônia)]	
<i>nogueirai</i> d'Andretta & González, 1964 [Brazil (São Paulo)]	
<i>mbarigui</i> Coscarón & Wygodzinsky, 1973 [Argentina (Misiones)]	
<i>beaupertuyi</i> Ramírez-Pérez, Rassi & Ramírez, 1977 [Venezuela]	
<i>nahimi</i> Py-Daniel, 1984 [Brazil (Mato Grosso)]	
<i>leopoldense</i> Strieder, 1998 (thesis) (unav., <i>nomen nudum</i> )	
<i>leopoldense</i> (Strieder & Py-Daniel, 2000) [Brazil (Rio Grande do Sul)]	
<i>noguerai</i> : incorrect subsequent spelling	
<b>travassosi</b> d'Andretta & d'Andretta, 1947 .....	Brazil (Rio de Janeiro, Goiás, MG, RGS, SC, SP);
[ <i>botulibranchium</i> : Pinto, 1932 [1931], not Lutz]	Argentina (Mis)

*Inaequalium* species unplaced to group

<b>lurybayae</b> Smart, 1944 (subst. name) .....	Bolivia
<i>angustifrons</i> (Enderlein, 1934) [1933] (preocc.)	
<i>luribayae</i> : incorrect subsequent spelling	
<b>parimaense</b> Ramírez-Pérez, Yarzabal, Takaoka, Tada & Ramírez, 1987 [1986] .....	Venezuela

**Subgenus INSELIELLUM Rubtsov**

**INSELIELLUM** Rubtsov, 1974 (as genus)\*. Type species: *oviceps* (original designation)

CASTANEUM species-group

<b>adamsoni</b> Edwards, 1932 .....	Marquesas Islands (Hiva-Oa, Fatu-Hiva, Ua-Pou)
'3' Séchan, 1983 [in Klein <i>et al.</i> ] ( <i>Simulium</i> sp.)	
<b>adelaideae</b> Craig, 2004 .....	Society Islands (Tahiti)
<b>admixtum</b> Craig, 1987 .....	Society Islands (Tahiti)
<b>caesariatum</b> Craig & Joy, 2000 .....	Society Islands (Tahiti)
<b>castaneum</b> Craig, 1987 .....	Society Islands (Raiatea)
<b>cataractarum</b> Craig, 1987 .....	Society Islands (Tahiti, Moorea)
'IS' Craig, 1983 (cytoform)	
'Moorean' Spironello, Hunter & Craig, 2002 (cytoform) .....	Moorea
'Tahitian' Spironello, Hunter & Craig, 2002 (cytoform) .....	Tahiti
<b>cheesmanae</b> Edwards, 1927 .....	Society Islands (Tahiti)
<i>chesmande</i> : incorrect subsequent spelling	
<b>fararae</b> Craig & Joy, 2000 .....	Society Islands (Tahiti)
<b>hirticranium</b> Craig & Joy, 2000 .....	Society Islands (Tahiti)
<b>hispidum</b> Craig & Joy, 2000 .....	Society Islands (Tahiti)

<b>jnabsium</b> Craig, 1997 .....	Society Islands (Tahiti)
<b>joyae</b> Craig, 2000 [ <i>in</i> Craig & Joy] .....	Society Islands (Tahiti)
<b>lonckeii</b> Craig, 1997 .....	Society Islands (Tahiti)
<b>pallidicranium</b> Craig & Joy, 2000 .....	Society Islands (Tahiti)
<b>pufauense</b> Craig, 1997 .....	Society Islands (Raiatea)
<b>shannonae</b> Craig, 1997 .....	Society Islands (Tahiti, Moorea)
<b>sublonckeii</b> Craig, 2004 .....	Society Islands (Tahiti)

OVICEPS species-group

<b>bogusium</b> Craig, 1997 .....	Society Islands (Raiatea)
<b>clibanarius</b> Craig, 1997 [noun, ending emended] .....	Society Islands (Tahiti)
<b>concludium</b> Craig, 1997 .....	Society Islands (Moorea, Tahiti)
<b>dussertorum</b> Craig, 1997 .....	Society Islands (Tahiti, Moorea)
[ <i>oviceps</i> : Craig, 1987 (part), not Edwards]	
<b>mesodontium</b> Craig, 1987 .....	Society Islands (Tahiti)
<b>middlemissae</b> Craig, 1997 .....	Society Islands (Tahiti, Moorea)
<b>neoviceps</b> Craig, 1987 .....	Society Islands (Tahiti, Moorea)
‘neoviceps’ [vernacular] Craig, 1983 ( <i>Simulium</i> cytoform)	
<b>oviceps</b> Edwards, 1933 (complex) .....	Society Islands (Tahiti, Moorea, Raiatea)
<b>proctorae</b> Craig, 1997 .....	Society Islands (Raiatea)
‘unique’ Craig, 1983 .....	Society Islands (Tahiti)
‘sp.’ Craig, 1987 ( <i>Simulium</i> )	

TAHITIENSE species-group

<b>arlecchinum</b> Craig, 1987 .....	Society Islands (Tahiti)
<b>connae</b> Craig, 1997 .....	Society Islands (Tahiti)
<b>dojeycorium</b> Craig, 1997 .....	Society Islands (Tahiti)
<b>exasperans</b> Craig, 1987 .....	Society Islands (Tahiti, Moorea)
? ‘IIS’ Craig, 1983 ( <i>Simulium</i> cytoform)	
‘A’ Spironello & Hunter, 2004 (cytoform) .....	Society Islands (Moorea)
‘B’ Spironello & Hunter, 2004 (cytoform) .....	Society Islands (Moorea, Tahiti)
<b>fossatae</b> Craig, 1997 .....	Society Islands (Tahiti)
<b>pseudocorium</b> Craig & Joy, 2000 .....	Society Islands (Moorea)
<b>tahitiense</b> Edwards, 1927 (complex) .....	Society Islands (Tahiti)

*Inseliellum* species unplaced to group

<b>buissoni</b> Roubaud, 1906 .....	Marquesas Islands (Nuku-Hiva, Eiao, Hiva-Oa, Ua-Huka)
<b>englundi</b> Craig, 2004 .....	Marquesas Islands (Mohotani)
<b>evenhuisi</b> Craig, 1997 .....	Society Islands (Tahiti)
<b>gallinum</b> Edwards, 1932 .....	Marquesas Islands (Hiva-Oa, Fatu-Hiva, Tahuata, Ua-Huka, Ua-Pou)
<b>guamense</b> Stone, 1964 .....	Guam
<b>hukaense</b> Séchan, 1983 [ <i>in</i> Klein, Rivière & Séchan]	Marquesas Islands (Ua-Huka [neotype, unnecessary], Nuku-Hiva, Ua-Pou)
<i>uahukae</i> Lavondes & Pichon, 1972 (unav., <i>nomen nudum</i> )	
‘sp. n.’ Craig, 1983 ( <i>Simulium</i> )	
<i>nakuhae</i> : incorrect subsequent spelling	
<b>lotii</b> Craig, 1987 .....	Society Islands (Tahiti, Huahine, Moorea, Raiatea, Tahaa)
<i>opunohuense</i> Craig, 1987 [Society Islands (Moorea)]	
‘light’ Craig, 1987 ( <i>Simulium</i> cytoform)	
<b>malardei</b> Craig, 1987 .....	Society Islands (Tahiti, Bora Bora, Huahine, Moorea, Raiatea, Tahaa)
‘new’ Craig, 1983 ( <i>Simulium</i> cytoform)	
<b>maraaense</b> Craig, 1997 .....	Society Islands (Tahiti)
<b>mataverense</b> Craig & Craig, 1986 .....	Cook Islands (Rarotonga)
‘damn’ Craig, 1983 ( <i>Simulium</i> cytoform and morphoform)	
<b>mumfordi</b> Edwards, 1932 .....	Marquesas Islands (Hiva-Oa)

<b>pichoni</b> Craig, Fossati & Séchan, 1995 .....	Marquesas Islands (Fatu-Hiva)
<b>rivierei</b> Craig, Fossati & Séchan, 1995 .....	Marquesas Islands (Fatu-Hiva, Hiva-Oa, Ua-Pou)
<b>rurutuense</b> Craig, 1997 .....	Austral Islands (Rurutu)
<b>sechani</b> Craig & Fossati, 1995 [ <i>in</i> Craig, Fossati & Séchan] .....	Marquesas Islands (Eiao, Nuku-Hiva)
<b>teruamanga</b> Craig & Craig, 1986 .....	Cook Islands (Rarotonga)
‘teruamanga’ [vernacular] Craig, 1983 ( <i>Simulium</i> cytoform and morphoform)	
<b>trukense</b> Stone, 1964 .....	Federated States of Micronesia (Chuuk = Truk Islands)
<b>uaense</b> Séchan, 1983 [ <i>in</i> Klein, Rivière & Séchan] .....	Marquesas Islands (Ua-Pou, Ua-Huka)
‘1’ Séchan, 1983 [ <i>in</i> Klein <i>et al.</i> ] ( <i>Simulium</i> sp.) .....	Marquesas Islands (Nuku-Hiva)
‘2’ Séchan, 1983 [ <i>in</i> Klein <i>et al.</i> ] ( <i>Simulium</i> sp.) .....	Marquesas Islands (Nuku-Hiva)

### Subgenus LEWISSELLUM Crosskey

**LEWISSELLUM** Crosskey, 1969 (as subgenus of *Simulium*). Type species: *neavei* (original designation)

<b>atyophilum</b> Lewis & Disney, 1969 .....	Cameroon
<b>ethiopiense</b> Fain & Oomen, 1968 .....	Ethiopia
<b>goinyi</b> Lewis & Hanney, 1965 .....	Kenya; Uganda
<i>goinyi</i> Lewis, 1961 ( <i>ovazzae</i> ssp.) (unav., <i>nomen nudum</i> )	
‘Kenya “woodi”’ Lewis, 1961 (morphoform)	
<b>hightoni</b> Lewis, 1961 .....	Kenya; Uganda
[ <i>nyasalanicum</i> : McMahan, 1957, not De Meillon]	
<b>kivuense</b> Gouteux, 1978 [1977] .....	Democratic Republic of Congo; Burundi (?), Rwanda (?), Uganda (?)
<b>neavei</b> Roubaud, 1915 .....	Uganda; Democratic Republic of Congo, Kenya , Angola (?)
<i>renauxi</i> Wanson & Lebied, 1950 [Democratic Republic of Congo]	
<i>naevei</i> , <i>neavi</i> , <i>noevei</i> : incorrect subsequent spellings	
<b>nyasalanicum</b> De Meillon, 1930 .....	Malawi; Kenya, Tanzania, Ethiopia (?)
‘Amani unbanded’ Lewis, 1960 (morphoform)	
‘Amani’ Lewis, 1961 (morphoform)	
‘Amani form A’ Procunier & Muro, 1994 ( <i>neavei</i> cytoform)	
<i>nvassalanicum</i> , <i>nyazalanicum</i> , <i>nyazlandicum</i> : incorrect subsequent spellings	
<b>ovazzae</b> Grenier & Mouchet, 1959 .....	Cameroon; Congo, Democratic Republic of Congo, Ivory Coast, Liberia, Uganda
<i>ivoriense</i> Gouteux, 1979 [1978] (ssp.) [Ivory Coast]	
<b>woodi</b> De Meillon, 1930 .....	Malawi; Tanzania, Zambia (?)
‘Amani banded’ Lewis, 1960 (morphoform)	
‘Amani form B’ Procunier & Muro, 1994 ( <i>neavei</i> cytoform)	
‘Uvinza’ Lewis & Raybould, 1974 ( <i>Simulium</i> sp.) .....	Tanzania

### Subgenus MEILLONIELLUM Rubtsov

**MEILLONIELLUM** Rubtsov, 1962 (as genus). Type species: *hirsutum* (original designation)

<b>adersi</b> Pomeroy, 1922 .....	Tanzania (Zanzibar, mainland); Angola, Benin, Botswana, Burkina Faso, Cameroon, Central African Republic, Chad, Comoro Islands (Anjouan, Mayotte), Congo, Democratic Republic of Congo, Ethiopia, Ghana, Guinea, Guinea-Bissau, Kenya, Liberia, Lesotho, Malawi, Mali, Mauritius, Mozambique, Namibia, Niger, Nigeria, Rwanda, Senegal, Sierra Leone, South Africa (EC, FS, G, KZN, L, M, NC, NW, WC), Sudan, Swaziland, Togo, Uganda, Zambia, Zimbabwe
<i>adversi</i> : incorrect subsequent spelling	
<b>hirsutum</b> Pomeroy, 1922 .....	Tanzania; Angola, Burundi, Cameroon, Democratic Republic of Congo, Ethiopia, Kenya, Malawi,
<i>dubium</i> Pomeroy, 1922 [Tanzania]	

	Mozambique, Nigeria, South Africa (EC, KZN, L, M, WC), Sudan, Swaziland, Uganda, Zimbabwe. ['Sierra Leone' error]
<b>sexiens</b> De Meillon, 1944 .....	Kenya; Democratic Republic of Congo, Ethiopia, Rwanda
<b>urundiense</b> Fain, 1950 .....	Burundi; Ethiopia (?)
<i>urundiesi</i> : incorrect subsequent spelling]	
<b>yemenense</b> Crosskey & Garms, 1982 [ <i>in</i> Crosskey & Büttiker] .....	Yemen; Saudi Arabia (Asir)
[ <i>urundiense</i> : Rivosecchi, Merighi & Parrinello, 1969, not Fain]	

### Subgenus METOMPHALUS Enderlein

**METOMPHALUS** Enderlein, 1935 (as genus). Type species: *medusaeforme*, as *caffer* (original designation)

#### BOVIS species-group

<b>albivirgulatum</b> Wanson & Henrard, 1944 .....	Democratic Republic of Congo; Angola, Botswana, Congo, Gabon, South Africa (KZN), Zambia, Zimbabwe
<i>albovirgulatum</i> : incorrect subsequent spelling	
<b>arnoldi</b> Gibbins, 1937 .....	Zimbabwe; Kenya, Tanzania, Zambia, Sudan (?)
<b>bovis</b> De Meillon, 1930*** .....	South Africa (KwaZulu Natal, EC, L, M, WC); Angola, Benin, Botswana, Burkina Faso, Cameroon, Democratic Republic of Congo, Eritrea, Ethiopia, Guinea, Kenya, Malawi, Mozambique, Namibia, Nigeria, Sudan, Swaziland, Tanzania, Uganda, Zambia, Zimbabwe
<i>faini</i> Wanson, 1947 [Democratic Republic of Congo]	
<i>ulangae</i> Lewis & Raybould, 1974 (ssp.) [Tanzania]	
<b>chutteri</b> Lewis, 1965 .....	South Africa (Northern Cape, EC, FS, NW); Lesotho, Namibia
<b>dawaense</b> Uemoto, Ogata & Mebrahtu, 1977 .....	Ethiopia
<b>eouzani</b> Germain & Grenier, 1970 [1969] .....	Cameroon
<b>fragai</b> Abreu, 1960 .....	Angola; Namibia
<i>fragae</i> : incorrect subsequent spelling	
<b>gibense</b> Uemoto, Ogata & Mebrahtu, 1977 .....	Ethiopia
<b>janzi</b> Abreu, 1961 .....	Angola
<b>jimmaense</b> Uemoto, Ogata & Mebrahtu, 1977 .....	Ethiopia
<b>kwangoense</b> Fain & Elsen, 1974 .....	Democratic Republic of Congo
<b>wellmanni</b> Roubaud, 1906 .....	Angola; Burundi, Cameroon, Democratic Republic of Congo, Rwanda, South Africa (EC, FS, KZN, L, M), Swaziland, Zambia
<i>magoebae</i> De Meillon, 1935 [South Africa (Limpopo)]	
<i>wellmani</i> : incorrect subsequent spelling	
'Sudan A' Lewis, 1965 ( <i>Simulium</i> ) .....	Sudan
[ <i>arnoldi</i> : Freeman & De Meillon, 1953 (part), not Gibbins]	

#### MEDUSAEFORME species-group

<b>africanum</b> Gibbins, 1934 .....	Uganda; Kenya, Lesotho
<i>trimicrosphaerae</i> Fain, Bafort & Silberstein, 1976 (ssp.) [Kenya]	
<i>trimicrosphaerae</i> : incorrect subsequent spelling	
<b>akouense</b> Fain & Elsen, 1973 .....	Cameroon
<b>cavum</b> Gibbins, 1938 (subst. name) .....	Uganda
<i>obscurum</i> Gibbins, 1937 (preocc.) [Uganda]	
<b>colasbelcouri</b> Grenier & Ovazza, 1951 .....	Congo; Angola, Cameroon, Democratic Republic of Congo, Equatorial Guinea (Bioko), Guinea, Ivory Coast, Liberia, Sudan
<i>tchabalense</i> Fain & Elsen, 1973 (ssp.) [Cameroon]	
<b>crosskeyi</b> Lewis & Disney, 1970 .....	Cameroon
'Wowe' Disney, 1969 ( <i>Simulium</i> morphoform)	
<b>danense</b> Gouteux, 1979 [1978] .....	Ivory Coast
<b>futaense</b> Garms & Post, 1966 .....	Guinea; Cameroon, Ivory Coast, Liberia
<b>gyas</b> De Meillon, 1951 .....	Madagascar
'M6' Grenier & Doucet, 1950 ( <i>Simulium</i> sp.)	

<b>hargreavesi</b> Gibbins, 1934 .....	Uganda; Angola, Benin, Burkina Faso, Cameroon, Central African Republic, Congo, Democratic Republic of Congo, Eritrea, Ethiopia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Malawi, Mali, Mozambique, Nigeria, Rwanda, Saudi Arabia (Asir), Sierra Leone, South Africa (EC, KZN, M, NC, NW), Sudan, Swaziland, Tanzania, Togo, Uganda, Yemen, Zambia, Zimbabwe
<i>elgonense</i> Gibbins, 1934 [Uganda]	
<i>tisiphone</i> De Meillon, 1936 [South Africa (KwaZulu Natal)]	
<i>loangolense</i> Roubaud & Grenier, 1943 [Democratic Republic of Congo]	
<i>hargreavesi</i> : incorrect subsequent spelling	
<i>elgoneus</i> : incorrect subsequent spelling	
<b>kingundense</b> Fain & Elsen, 1974 .....	Democratic Republic of Congo
<b>letabum</b> De Meillon, 1935 .....	South Africa (Limpopo, EC, KZN, M); Lesotho, Swaziland (?)
<b>medusaeforme</b> Pomeroy, 1920 .....	Cameroon; Angola, Burundi, Democratic Republic of Congo, Ethiopia, Kenya, Lesotho, Malawi, Mozambique, Rwanda, South Africa (EC, FS, G, KZN, M, NC, NW), Swaziland, Tanzania, Uganda, Zambia, Zimbabwe
<i>ugandae</i> Gibbins, 1934 [Uganda]	
<i>capense</i> (Enderlein, 1935) [South Africa (Western Cape)]	
<i>caffrum</i> (Enderlein, 1935, <i>caffer</i> ) [South Africa ('Caffraria')]	
<i>pseudomedusaeforme</i> De Meillon, 1936 [South Africa (KwaZulu Natal)]	
<i>angolense</i> Abreu, 1961 (unav., var. post-1960)	
<i>medusoeformis</i> : incorrect subsequent spelling	
<b>natalense</b> De Meillon, 1950 .....	South Africa (KwaZulu Natal)
<b>ngouense</b> Fain & Elsen, 1973 .....	Cameroon; Nigeria
[ <i>colasbelcouri</i> : Crosskey, 1957, not Grenier & Ovazza]	
<b>pentaceros</b> Grenier & Brunhes, 1972 .....	Madagascar
<b>ruandae</b> Fain, 1950 .....	Rwanda; Democratic Republic of Congo
<b>taylori</b> Gibbins, 1938 .....	Uganda; Tanzania
<i>taylori</i> Gibbins, 1937 (unav., <i>nomen nudum</i> )	
'Mahenge' Lewis & Raybould, 1974 (morphoform)	
<b>tondewandouense</b> Fain & Elsen, 1973 .....	Cameroon
<b>touffeum</b> Gibbins, 1937 .....	Uganda; Kenya
<b>vorax</b> Pomeroy, 1922 .....	Tanzania; Angola, Benin, Burkina Faso, Burundi, Democratic Republic of Congo, Ethiopia, Kenya, Lesotho, Malawi, Mali, Mozambique, Nigeria, Rwanda, South Africa (EC, FS, KZN, L, M, WC), Swaziland, Tanzania, Togo, Uganda, Sudan, Zambia, Zimbabwe
<i>limbatum</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i> )	
<i>limbatum</i> Enderlein, 1921 [December] (preocc.) [Tanzania]	
<i>lepidum</i> De Meillon, 1935 [South Africa (Limpopo)]	
<i>tangae</i> Smart, 1944 (subst. name, for <i>limbatum</i> )	
<b>zombaense</b> Freeman & De Meillon, 1953 .....	Malawi

### Subgenus MONTISIMULIUM Rubtsov

**MONTISIMULIUM** Rubtsov, 1974 (as genus). Type species: *schevyakovi* (original designation)

<b>alizadei</b> (Djafarov, 1954) .....	Azerbaijan; Armenia, China (Si), Russia (Caucasus), Turkey
<i>gviletense</i> (Rubtsov, 1956) [Russia (Caucasus)]	
<i>lachense</i> (Rubtsov, 1962) [Azerbaijan]	
<i>megrichaense</i> (Rubtsov, 1962) [Armenia]	
<i>alisadei</i> , <i>alisedei</i> : incorrect subsequent spellings	
<i>gwiletense</i> : incorrect subsequent spelling	
<b>alpinum</b> Rubtsov, 1947 .....	Kyrgyzstan
<b>angkaense</b> Takaoka & Choochote, 2005 .....	Thailand
<b>arpiense</b> (Terteryan & Kachvoryan, 1982) .....	Armenia
<b>assadovi</b> (Djafarov, 1956) .....	Azerbaijan; Iran
<b>asulcatum</b> (Rubtsov, 1956) .....	Uzbekistan
<b>bartangum</b> (Chubareva, 2000) .....	Tajikistan
<b>brachystylum</b> (Rubtsov, 1976) .....	Tajikistan
<b>brevicorne</b> (Rubtsov, 1964) .....	Tajikistan
<b>bulbosum</b> Lewis, 1973 .....	Pakistan
<b>chow</b> Takaoka, 1979 .....	Taiwan
<i>chuanbeiense</i> Chen & Zhang, 2007 [in Liu, Wen & Chen] .....	China (Sichuan)
(unav., <i>nomen nudum</i> )	

<b>conconvastylum</b> Deng, Zhang & Chen, 1995 .....	China (Tibet)
<i>conconvastylum</i> Sun, 1994 (attrib. Duang & Chen, 1993) (unav., <i>nomen nudum</i> )	
<i>concauustylum</i> : incorrect subsequent spelling	
<b>danijadi</b> (Chubareva & Ismagulov, 1992) .....	Kazakhstan
<b>dasguptai</b> Datta, 1974 .....	India (West Bengal); China (Sichuan)
<b>dattai</b> Takaoka & Somboon, 2008 .....	Bhutan; India (WB), Nepal
‘B’ Datta, Dey & Paul, 1975 ( <i>Simulium</i> sp.)	
<b>decafile</b> (Rubtsov, 1976) .....	Kazakhstan
<i>decafilium</i> (Yankovsky, 1996) (unnecessary subst. name)	
<b>decimfilium</b> (Rubtsov, 1956) .....	Uzbekistan; Tajikistan
<b>djebaglense</b> (Rubtsov, 1956) .....	Kyrgyzstan
<b>duodecimcornutum</b> (Rubtsov, 1956) (subst. name) .....	Tajikistan
<i>duodecimfilum</i> (Rubtsov, 1947, as <i>I2-filum</i> ) (unav., <i>nomen nudum</i> )	
<i>duodecimatum</i> (Rubtsov, 1951) (preocc.)	
<i>duodecimcornatum</i> : incorrect subsequent spelling	
<b>euryplatamus</b> Sun, 1994 .....	China (Liaoning)
<i>euryplatamus</i> Sun & Song, 1995 (repeat description as sp. nov.)	
<b>ghoomense</b> Datta, 1975 .....	India (West Bengal); China (Tibet)
<b>hailuogouense</b> Chen, Huang & Zhang, 2005 .....	China (Sichuan)
<b>heishuiense</b> Chen & Wen, 2006 [ <i>in</i> Wen & Chen] .....	China (Sichuan)
<b>inflatum</b> (Rubtsov, 1951) .....	Tajikistan
<b>jasgulemum</b> (Chubareva, 2000) .....	Tajikistan
<b>jiajinshanense</b> Zhang & Chen, 2006 .....	China (Sichuan)
<b>jisigouense</b> Chen & Zhang, 2007 [ <i>in</i> Liu, Wen & Chen] .....	China (Sichuan)
(unav., <i>nomen nudum</i> )	
<b>kambaitense</b> Takaoka, 1989 .....	Burma
<b>kerzhneri</b> (Rubtsov, 1975) .....	Mongolia
<b>kirgisorum</b> (Rubtsov, 1956) .....	Kyrgyzstan; China (Be, Hubei, Tibet, Yu)
<i>kirgisorum</i> (Xue, 1991) (secondary homonym of <i>kirgisorum</i> Rubtsov, 1956, but no available subst. name) .....	China (Yunnan)
<b>kobayashii</b> Okamoto, Yoshida, Sato & Shogaki, 1958 .....	Japan (Honshu)
<b>kurganense</b> (Rubtsov, 1956) .....	Kyrgyzstan
<b>laoleense</b> Takaoka & Choochote, 2005 .....	Thailand
<b>lepnevae</b> (Rubtsov, 1956) .....	Tajikistan
<b>lingzhiense</b> Deng, Zhang & Chen, 1995 .....	China (Tibet)
<i>lingziense</i> : alternative original spelling (here treated as incorrect)	
<i>lingziense</i> Sun, 1994 (attrib. Duang & Chen, 1993) (unav., <i>nomen nudum</i> )	
<b>litshkense</b> (Rubtsov, 1956) .....	Armenia
<b>longifilium</b> (Rubtsov, 1976) .....	Kazakhstan
<i>lonqifilium</i> : incorrect original spelling (alternative)	
<b>merga</b> Takaoka & Choochote, 2005 .....	Thailand
‘G’ Kuvangkadilok, Boonkemtong & Phayuhasena, 1998 ( <i>Simulium</i> sp.)	
<b>montium</b> Rubtsov, 1947 .....	Tajikistan; Kyrgyzstan, Pakistan, Russia (Caucasus)
<b>moxiense</b> Chen, Huang & Zhang, 2005 .....	China (Sichuan)
<b>nemorivagum</b> Datta, 1973 .....	India (West Bengal); Bhutan, China (Tibet), Nepal, Pakistan
<i>nemoriuagum</i> : incorrect subsequent spelling	
<b>obichingoum</b> (Chubareva, 2000) .....	Tajikistan
<b>ocreastylum</b> (Rubtsov, 1956) .....	Tajikistan; Armenia
<i>ocreastilum</i> : incorrect subsequent spelling	
<b>octofilium</b> (Rubtsov, 1956) .....	Tajikistan; Kazakhstan
<i>batifile</i> (Rubtsov & Shakirzyanova, 1976) [Kazakhstan]	
<i>breviatum</i> (Rubtsov & Shakirzyanova, 1976) [Kazakhstan]	
<b>odontostylum</b> Rubtsov, 1947 .....	Tajikistan
<i>odontostylum</i> , <i>odontostilum</i> , <i>odontostylium</i> : incorrect subsequent spellings	
<b>onum</b> (Bodrova, 1988) [ <i>in</i> Bodrova & Luk'yanchuk]* .....	Japan (Hokkaido)

[ <i>sakhalinum</i> : Ono, 1977, not Rubtsov]	
<b>peskovi</b> (Ismagulov & Koshkimbaev, 1996) .....	Kazakhstan
<b>quattuordecimfilium</b> (Rubtsov, 1976) .....	Kazakhstan; Tajikistan
<i>quattuordesimfilium</i> : incorrect subsequent spelling	
<b>quattuordecimfilium</b> Rubtsov, 1947 (as <i>14-filum</i> ) .....	Tajikistan; Uzbekistann
<i>vallesense</i> (Rubtsov, 1962) (ssp.) [Tajikistan]	
<i>14-filatum</i> : incorrect original spelling (alternative)	
<i>quattuordecimfilium</i> , <i>quattuordecimfilium</i> : incorrect subsequent spellings	
<b>sakhalinum</b> (Rubtsov, 1962) .....	Siberia (Sakhalin FE). [‘Japan’ error]
<b>saradzhoense</b> (Rubtsov, 1956) .....	Tajikistan
<i>saadzhoense</i> : incorrect subsequent spelling	
<b>schevyakovi</b> Dorogostaisky, Rubtsov & Vlasenko, 1935 .....	Siberia (Baikal ES, FE, WS); Kazakhstan, Mongolia
<i>comosum</i> (Rubtsov, 1956) [Siberia (Buryatskaya)]	
<i>chevyakovi</i> , <i>schevyakvi</i> , <i>sheviakovi</i> , <i>shevjacovi</i> , <i>shevjakovi</i> , <i>shevjakowi</i> , <i>shevyakovi</i> : incorrect subsequent spellings	
<b>shadini</b> (Rubtsov, 1956) .....	Tajikistan
<b>sheveligiense</b> (Rubtsov & Violovich, 1965) .....	Siberia (Tuva WS)
<b>schizolomum</b> Deng, Zhang & Chen, 1995 .....	China (Tibet)
<i>schizolomum</i> Sun, 1994 (attrib. Duang & Chen, 1993) (unav., <i>nomen nudum</i> )	
<i>schinolomum</i> : incorrect subsequent spelling	
<b>sonkulense</b> (Yankovsky, 2000) .....	Kyrgyzstan
<b>stackelbergi</b> (Rubtsov, 1956) .....	Tajikistan
<b>surachaii</b> Takaoka & Choochote, 2005 .....	Thailand
<b>sytshevskiae</b> (Rubtsov, 1967) .....	Tajikistan
<b>taishanense</b> Sun & Li, 2000 .....	China (Shandong)
<b>taktsangense</b> Takaoka & Somboon, 2008 .....	Bhutan
<i>tanae</i> (Xue, 1993) (secondary homonym of <i>tanae</i> Xue, 1992, but no available subst. name) .....	China (Yunnan)
<b>tatiana</b> (Bodrova, 1981) .....	Siberia (Maritime FE)
<b>tibetense</b> Deng, Xue, Zhang & Chen, 1994 .....	China (Tibet)
<b>vantshum</b> (Chubareva, 2000) .....	Tajikistan
<b>violovitshi</b> (Rubtsov, 1962) .....	Siberia (Sakhalin FE)
<b>weisiense</b> Deng, Xue & Chen, 2005 .....	China (Yunnan)
<b>yuntaiense</b> Chen, Wen & Wei, 2006 [ <i>in</i> Wen, Wei & Chen] .....	China (Henan)
‘C’ Datta, Dey & Paul, 1975 ( <i>Simulium</i> sp.) .....	India (WB)
‘Kalam’ Lewis, 1973 ( <i>Simulium</i> sp.) .....	Pakistan
‘2’ Saito, Uemoto & Afzal, 1989 ( <i>Simulium</i> sp.) .....	Pakistan
‘1’ Ismagulov, 1993 (thesis) ( <i>Montisimulium</i> sp.) .....	Kazakhstan
‘2’ Ismagulov, 1993 (thesis) ( <i>Montisimulium</i> sp.) .....	Kazakhstan
‘3’ Ismagulov, 1993 (thesis) ( <i>Montisimulium</i> sp.) .....	Kazakhstan
‘4’ Ismagulov, 1993 (thesis) ( <i>Montisimulium</i> sp.) .....	Kazakhstan
‘5’ Chubareva, 1986 (thesis) ( <i>Montisimulium</i> sp.) .....	Tajikistan

### Subgenus MOROPS Enderlein

**MOROPS** Enderlein, 1930 (as genus)\*. Type species: *wilhelmlandae*, as *pygmaeum* (original designation)

*PSELAPHOCHIR* Enderlein, 1936 (as genus). Type species: *oculatum* (original designation)

### CLATHRINUM species-group

<b>aropaense</b> Takaoka, 1995 .....	New Guinea (Bougainville)
<b>avilae</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>biakense</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)
<b>clathrinum</b> Mackerras & Mackerras, 1948 .....	Australia (Queensland, NSW)
<b>gagiduense</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>hagai</b> Takaoka, 2003 .....	Indonesia (Maluku)



<b>halmaheraense</b> Takaoka, 2003 .....	Indonesia (Maluku)
<b>kawagishii</b> Takaoka & Suzuki, 1995 .....	Solomon Islands (Guadalcanal)
<b>kietaense</b> Takaoka, 1995 .....	New Guinea (Bougainville)
<b>lalokiense</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>malukuense</b> Takaoka, 2003 .....	Indonesia (Maluku)
<b>manokwariense</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)
<b>manuselaense</b> Takaoka, 2003 .....	Indonesia (Maluku)
<b>pohaense</b> Takaoka & Suzuki, 1995 .....	Solomon Islands (Guadalcanal, New Georgia Islands)
<b>ransikiense</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)
<b>raunsimnae</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland, New Britain)
<b>selwynense</b> Takaoka & Suzuki, 1995 .....	Solomon Islands (Guadalcanal, New Georgia Islands)
<b>solomonense</b> Takaoka & Suzuki, 1995 .....	Solomon Islands (New Georgia Island)
<b>sorongense</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)
<b>tefulaense</b> Takaoka, 2003 .....	Indonesia (Maluku)
<b>watetoense</b> Takaoka, 2003 .....	Indonesia (Maluku)
<b>wilhelmlandae</b> Smart, 1944 (subst. name) .....	New Guinea (PNG mainland)
<i>pygmaeum</i> (Enderlein, 1922) (preocc.)	

#### FAHEYI species-group

<b>dycei</b> Colbo, 1976 .....	Australia (Queensland, NT)
<b>faheyi</b> Taylor, 1927 .....	Australia (Queensland, NT)
<b>lawnhillense</b> Colbo, 1976 .....	Australia (Queensland, NT)
<b>mackerrasorum</b> Colbo, 1976 .....	Australia (Queensland, NT, WA)
‘B’ Mackerras & Mackerras, 1949 ( <i>Simulium</i> sp.)	
<b>nicholsoni</b> Mackerras & Mackerras, 1948 .....	Australia (Queensland, NSW, Vic)
<b>torresianum</b> Mackerras & Mackerras, 1955 .....	Australia (Queensland: Badu Island)

#### FARCIMINIS species-group

<b>arfakense</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)
<b>botulus</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland); Indonesia (Irian Jaya)
<b>cervus</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>clavum</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>evelynae</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>farciminis</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland); Indonesia (Irian Jaya)
<b>fimbriatum</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>jayapuraense</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)
<b>pamahaense</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)
<b>rounae</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>wantoatense</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)

#### MELATUM species-group

<b>aureonigrum</b> Mackerras & Mackerras, 1950 .....	Australia (Queensland)
<b>inornatum</b> Mackerras & Mackerras, 1950 .....	Australia (Queensland, NSW, Vic)
<b>inuitkiense</b> Smart & Clifford, 1965 .....	New Guinea (New Britain)
<b>irayense</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)
<b>kainantuense</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>melatum</b> Wharton, 1949 [1948] .....	Australia (New South Wales, Qld, Vic)
<i>melanum</i> : incorrect subsequent spelling	
<b>nudipes</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)
<b>saihoense</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>standfasti</b> Colbo, 1976 .....	Australia (Queensland)
<b>wamenae</b> Smart & Clifford, 1965 .....	Indonesia (Irian Jaya)

#### OCULATUM species-group

<b>anggiense</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)
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<b>baliemense</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)
<b>cristatum</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>demutaense</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)
<b>gorokae</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>irianense</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)
<b>mendiense</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>minji</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>motoyukii</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)
<b>norforense</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)
<b>oculatum</b> (Enderlein, 1936) .....	New Guinea (PNG mainland)
<b>prafiense</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)
<b>purosae</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>sutebense</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)
<b>takae</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)
<b>wakrisense</b> Takaoka, 2003 .....	Indonesia (Irian Jaya)

#### PAPUENSE species-group

<b>papuense</b> Wharton, 1948 .....	New Guinea (PNG mainland); Indonesia (Irian Jaya, Maluku), Solomon Islands (Guadalcanal)
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#### *Morops* species unplaced to group

<b>brandti</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>josephi</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>kaiti</b> Smart & Clifford, 1965 .....	New Guinea (New Ireland)
<b>kokodae</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>longirostre</b> Smart & Clifford, 1972 (subst. name) .....	New Guinea (PNG mainland)
<i>rostratum</i> Smart & Clifford, 1965 (preocc.)	
<b>mafuluense</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>matokoense</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
<b>mussauense</b> Delfinado, 1971 .....	New Guinea (Mussau Island)
<b>tafae</b> Smart & Clifford, 1965 .....	New Guinea (PNG mainland)
‘A’ Smart & Clifford, 1965 ( <i>Simulium</i> sp.) .....	New Guinea (PNG mainland)
‘B’ Smart & Clifford, 1965 ( <i>Simulium</i> sp.) .....	New Guinea (PNG mainland)
‘C’ Smart & Clifford, 1965 ( <i>Simulium</i> sp.) .....	New Guinea (PNG mainland)
‘D’ Smart & Clifford, 1965 ( <i>Simulium</i> sp.) .....	New Guinea (PNG mainland)

#### Subgenus NEVERMANNIA Enderlein

- NEVERMANNIA** Enderlein, 1921 (as genus). Type species: *ruficorne*, as *annulipes* (original designation)  
*CNETHA* Enderlein, 1921 (as genus). Type species: *vernum* (designation by ICZN Opinion 1416, Gen. List.)  
*STILBOPLAX* Enderlein, 1921 (as genus). Type species: *speculiventre* (original designation)  
*PSEUDONEVERMANNIA* Baranov, 1926 (as subgenus of *Nevermannia*). Type species: *vernum* (designation by ICZN Opinion 1416, Index)  
*CRYPTECTEMNIA* Enderlein, 1936 (as genus). Type species: *orsovae*, as *laticalx* (original designation)  
*CHELOCNETHA* Enderlein, 1936 (as genus). Type species: *ornatipes*, as *biroi* (original designation)  
*DEXOMYIA* Crosskey, 1969 (as subgenus of *Simulium*). Type species: *atlanticum* (original designation)  
*CRYPFECFEMNIA*: incorrect subsequent spelling  
*NERENNANIA*, *NEUERMANNIA*, *NEVERMARNIA*: incorrect subsequent spellings

#### ATLANTICUM species-group

<b>atlanticum</b> Crosskey, 1969 .....	Saint Helena Island
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#### FEUERBORNI species-group

<b>borneoense</b> Takaoka, 2001 .....	Malaysia (Sabah)
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<b>bryopodium</b> Delfinado, 1971 .....	Philippines (Palawan)
<b>chairuddini</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>chiangklangense</b> Takaoka & Choochote, 2005 .....	Thailand
<b>chitoense</b> Takaoka, 1979 .....	Taiwan; China (Hainan)
<b>fangense</b> Takaoka & Choochote, 2006 .....	Thailand
<b>feuerborni</b> Edwards, 1934 .....	Indonesia (Java, Bali, Sumatra); Malaysia (Malaya), Thailand
‘B’ Takaoka & Suzuki, 1984 ( <i>Simulium</i> sp.)	
‘nr. <i>feuerborni</i> 1’ Thanwisai, Kuvangkadilok & Baimai, 2006 ( <i>Simulium</i> sp.) (molecular form)	
‘nr. <i>feuerborni</i> 2’ Thanwisai, Kuvangkadilok & Baimai, 2006 ( <i>Simulium</i> sp.) (molecular form)	
<b>fruticosum</b> Takaoka & Choochote, 2005 .....	Thailand
<b>fuscineris</b> Edwards, 1933 .....	Malaysia (Sabah)
<b>izuense</b> Takaoka & Saito, 2005 .....	Japan (Honshu)
<b>leigongshanense</b> Chen & Zhang, 1997 .....	China (Guizhou)
<i>laigongshanense</i> : incorrect subsequent spelling	
<b>mie</b> Ogata & Sasa, 1954 .....	Japan (Honshu, Ky, NI, Sh); China (Fu, Gu, Si, Yu, Zh), Korea (South)
‘J-7’ Bentinck, 1955 ( <i>Simulium</i> sp.)	
<b>minahasaense</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
‘A’ Takaoka & Roberts, 1988 ( <i>Simulium</i> sp.)	
<b>mongarensis</b> Takaoka & Somboon, 2008 .....	Bhutan
<b>morisonoi</b> Takaoka, 1973 .....	Japan (Tokara Islands)
<b>perlucidulum</b> Takaoka, 1983 .....	Philippines (Mindanao)
<b>praetargum</b> Datta, 1973 .....	India (West Bengal); China (Tibet), Nepal
<i>praetargum</i> : incorrect subsequent spelling	
<b>qiongzhouense</b> Chen, Zhang & Yang, 2003 .....	China (Hainan)
<b>rufithorax</b> Brunetti, 1911 .....	India (Maharashtra, Ka, WB)
<b>saitoi</b> Takaoka, 2000 [ <i>in</i> Takaoka & Saito] .....	Japan (Honshu)
<b>sasai</b> (Rubtsov, 1962) .....	Japan (Honshu, Ky)
‘J-14’ Bentinck, 1955 ( <i>Simulium</i> sp.)	
<b>senile</b> Brunetti, 1911 .....	India (Himachal Pradesh)
<b>shandongense</b> Sun & Li, 2000 .....	China (Shandong)
<b>wangxianense</b> Chen, Zhang & Bi, 2004 .....	China (Hunan)
‘A’ Takaoka, 1989 ( <i>Simulium</i> sp.) .....	Burma

#### LOUTETENSE species-group

<b>loutetense</b> Grenier & Ovazza, 1951 .....	Congo; Angola, Benin, Burkina Faso, Cameroon, Central African Republic, Democratic Republic of Congo, Equatorial Guinea (Bioko), Ghana, Guinea, Ivory Coast, Liberia, Nigeria, Sierra Leone, Sudan, Tanzania, Togo, Zambia
‘Chemka’ Lewis & Raybould, 1974 (morphoform) .....	Tanzania
<i>loutetense</i> : incorrect subsequent spelling	
<b>milloti</b> Grenier & Doucet, 1949 .....	Madagascar
<b>narcaeum</b> De Meillon, 1950 .....	South Africa (KwaZulu Natal)
<i>narceum</i> : incorrect subsequent spelling	
<b>rutherfordi</b> De Meillon, 1937 .....	South Africa (KwaZulu Natal, EC, FS, L, M, NW, WC); Democratic Republic of Congo, Lesotho, Swaziland, Zimbabwe, Yemen (?)
‘II’ Rivosecchi, Merighi & Parrinello, 1969 ( <i>Simulium</i> sp.)	
<i>rutherfordi</i> , <i>rutherfordi</i> : incorrect subsequent spellings	

#### RUFICORNE species-group

<b>akopi</b> (Chubareva & Kachvoryan, 2000)*** .....	Armenia
<i>acopi</i> , <i>akopy</i> : incorrect subsequent spellings	
<b>alatum</b> Fain & Dujardin, 1983 .....	Kenya
<b>alidae</b> Pilaka & Elouard, 1997 .....	Madagascar
<b>angustitarse</b> (Lundström, 1911) .....	Finland; Algeria, Austria, Belarus, Bosnia, Britain (En, Wa), China (Yu), Czech Republic, Denmark, Estonia,
<i>melanobrachium</i> (Enderlein, 1924) (ssp.) [Estonia]	

<i>mazedonicum</i> (Baranov, 1926) [Macedonia & Serbia]	France, Germany, Hungary, Ireland, Italy, Kyrgyzstan,
<i>knochi</i> (Enderlein, 1929) [Germany]	Latvia, Lithuania, Luxembourg, Macedonia, Morocco,
<i>flavicorne</i> (Enderlein, 1929) [Austria]	Netherlands, Norway, Poland, Portugal, Romania,
<i>equitarse</i> (Rubtsov, 1962) [Kyrgyzstan]	Russia (CR, NR, SR), Serbia, Siberia (ES, WS),
<i>dispinum</i> (Rubtsov & Carlsson, 1965) [Sweden]	Slovakia, Slovenia, Spain, Sweden, Switzerland,
<i>marrucinum</i> (Rivosecchi, 1966) [Italy]	Turkey, Ukraine
<i>celticum</i> Davies, 1966 (preocc.) [Britain (Wales)]	
<i>cambriense</i> Davies, 1967 (subst. name)	
<i>brevipes</i> (Rubtsov, 1967) (ssp.) [Hungary]	
<i>hungaricum</i> (Rubtsov, 1967) (ssp.) [Hungary]	
<i>zaporojiae</i> (Pavlichenko, 1986) (ssp.) [Ukraine]	
<i>angursitarsis</i> , <i>angustarse</i> , <i>angustitare</i> , <i>angustitars</i> , <i>angustutarsis</i> , <i>engustitarse</i> : incorrect subsequent spellings	
<i>knocki</i> : incorrect subsequent spelling	
<b>antibrachium</b> Fain & Dujardin, 1983 .....	Kenya; Cameroon
<b>arabicum</b> Crosskey, 1982 [ <i>in</i> Crosskey & Büttiker] .....	Saudi Arabia (Asir); Ethiopia, Guinea, Kenya, Nigeria, Tanzania, Uganda, Yemen
‘I’ Rivosecchi, Merighi & Parrinello, 1969 ( <i>Simulium</i> sp.)	
‘A’ Rivosecchi & Merighi, 1970 ( <i>aureosimile</i> morphoform)	
<b>aspericorne</b> Fain, Bafort & Silberstein, 1976 .....	Kenya
<b>aureohirtum</b> Brunetti, 1911 .....	India (Assam, AP, ArP, Ha, HP, Ka, Ma, Me, Mr, Mz, TN, WB); Bhutan, China (Fu, Gd, Gu, Hainan, HK, Macao, Si, Tibet, Yu), Indonesia (Flores, Java, Kalimantan, Maluku, Sulawesi, Sumatra), Japan (Hon, Ky, NI, Sh), Malaysia (Malaya, Sabah, Sarawak), Nepal, Pakistan, Philippines (Bohol, Luzon, Mindanao, Negros, Palawan, Panay), Sri Lanka, Taiwan, Thailand
<i>geniculare</i> (Shiraki, 1935) [Taiwan]	
<i>philippinense</i> Delfinado, 1962 [Philippines (Luzon)]	
<i>tuaranense</i> Smart & Clifford, 1969 [Malaysia (Sabah)]	
‘A’ Lewis, 1964 ( <i>Simulium</i> sp.)	
<i>aurechirtum</i> : incorrect subsequent spelling	
<b>aureosimile</b> Pomeroy, 1920 .....	Cameroon; Burundi, Equatorial Guinea (Bioko), Ivory Coast, Kenya, Nigeria, Togo. [Other country records in error or dubious]
[ <i>nigritarse</i> : authors, not Coquillett]	
<b>baforti</b> Fain & Dujardin, 1983 .....	Kenya
<b>borbonense</b> Giudicelli, 2008 .....	Réunion
<b>brachium</b> Gibbins, 1936 .....	Uganda; Congo, Democratic Republic of Congo, Kenya, Lesotho, South Africa (EC, NW, WC), Tanzania, Ethiopia (?)
<b>brevitarse</b> (Rubtsov, 1976) .....	Azerbaijan; Iran
<i>brevitrarse</i> : incorrect subsequent spelling	
<b>brunhesi</b> Pilaka & Ranaivoharindriaka, 1996 [ <i>in</i> Elouard, Pilaka & Ranaivoharindriaka] .....	Madagascar
<b>buckleyi</b> De Meillon, 1944 .....	Kenya; Ethiopia, Rwanda
<i>vulcani</i> Fain, 1950 [Rwanda]	
<i>buckley</i> : incorrect subsequent spelling	
<b>bulbiferum</b> Fain & Dujardin, 1983 .....	Rwanda; Democratic Republic of Congo
<b>candelabrum</b> Fain & Dujardin, 1983 .....	Tanzania
<b>chovdica</b> (Yankovsky, 1996) (subst. name) .....	Mongolia
<i>tenuitarsus</i> (Rubtsov, 1969) (preocc.)	
<b>crassicaulum</b> (Rubtsov, 1955) .....	Uzbekistan
<i>crassicaulis</i> : incorrect subsequent spelling	
<b>delizhanense</b> (Rubtsov, 1955) .....	Armenia; Azerbaijan, Georgia
<i>deliganense</i> , <i>delizanensis</i> : incorrect subsequent spellings	
<b>duboisii</b> Fain, 1950 .....	Rwanda; Democratic Republic of Congo, Kenya, Tanzania
<b>ekomei</b> Lewis & Disney, 1972 .....	Cameroon
<b>falcoe</b> (Shiraki, 1935) .....	Taiwan. [‘Japan’ error]
<i>falconense</i> : incorrect subsequent spelling	
<b>flavinotatum</b> Fain & Dujardin, 1983 .....	Rwanda; Tanzania
<b>flavipes</b> Austen, 1921 .....	Israel/Jordan
<i>jerichoense</i> Smart, 1944 (unnecessary subst. name)	
<b>fuscicorne</b> Fain, 1950 .....	Rwanda
<b>glatthaari</b> Takaoka & Davies, 1995 .....	Indonesia (Sumatra)

<b>ibleum</b> (Rivosecchi, 1966) .....	Italy (Sicily, mainland); Algeria, Cyprus, Greece (Crete), Lebanon, Libya, Morocco, Tunisia, Spain (?). [? = <i>angustitarse</i> ]
<b>indoceanicum</b> Giudicelli, 2008 .....	Réunion
<b>katangae</b> Fain, 1951 .....	Democratic Republic of Congo; Cameroon, South Africa (EC, G, KZN), Tanzania
<b>kugitangi</b> (Yankovsky & Shinkovsky, 1992) .....	Turkmenistan
<b>longipes</b> (Rubtsov, 1956) .....	Kazakhstan
<b>loveridgei</b> Crosskey, 1965 .....	Saint Helena Island
<b>lundstromi</b> (Enderlein, 1921 [April]) (available) .....	Britain (England); Algeria, Austria, Belarus, Belgium, Bulgaria, China (Be), Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Lebanon, Lithuania, Morocco, Netherlands, Norway, Poland, Portugal, Russia (CR, NR, SR), Serbia, Slovakia, Spain, Sweden, Switzerland, Turkey, Ukraine
<i>kerteszi</i> (Enderlein, 1922) [Hungary]	
<i>latigonium</i> (Rubtsov, 1956) [Russia (St Petersburg)]	
<i>luttae</i> (Usova & Reva, 2008) (unav., <i>nomen nudum</i> )	
<i>lundstromii</i> : incorrect subsequent spelling	
[ <i>angustitarse</i> : authors (pre-1974), not Lundström]	
<b>metecontae</b> Elouard & Pilaka, 1996 [ <i>in</i> Elouard, Pilaka & Ranaiivoharindriaka] .....	Madagascar
<b>montshadskii</b> (Rubtsov, 1956) .....	Tajikistan; Kazakhstan, Uzbekistan
<i>montshadskii</i> : incorrect subsequent spelling	
<b>neornatipes</b> Dumbleton, 1969 (complex) .....	New Caledonia
‘1’ Bedo, 1977 (cytoform)	
‘2’ Bedo, 1977 (cytoform)	
‘3’ Bedo, 1984 (cytoform)	
[ <i>ornatipes</i> : Mackerras & Mackerras, 1955, not Skuse]	
<b>nigritarse</b> Coquillett, 1901 [1902] .....	South Africa (Western Cape, EC, FS, G, KZN, L, M, NC, NW); Angola, Cameroon, Democratic Republic of Congo, Guinea, Kenya, Lesotho, Mozambique, Nigeria, Swaziland, Tanzania, Zambia, Zimbabwe, Eritrea (?)
<i>caffraricum</i> (Enderlein, 1935) [South Africa (Western Cape)]	
<i>caffrica</i> : incorrect subsequent spelling	
[ <i>latipes</i> : Austen, 1909, not Meigen]	
[ <i>aureosimile</i> : authors, not Pomeroy]	
<b>ningxiaum</b> Yang, Wang & Chen, 2008 .....	China (Ningxia Hui)
<b>norfolkense</b> Dumbleton, 1969 .....	Norfolk Island; Australia (NSW, Qld, SA, Vic, WA)
‘A1’ Bedo, 1979 ( <i>ornatipes</i> cytoform [= ‘A’ Bedo, 1977, part])	
<b>nyanzense</b> Fain & Dujardin, 1983 .....	Kenya
<b>oresti</b> (Vorobets, 1984) .....	Siberia (Yakutskaya ES)
<b>ornatipes</b> Skuse, 1890 (complex) .....	Australia (NSW, Qld, SA, Tas, Vic, WA); Indonesia (Irian Jaya), New Guinea (PNG mainland)
<i>biroi</i> (Enderlein, 1936) [Australia (New South Wales)]	
‘B’ Bedo, 1977 (cytoform) .....	Australia (NSW, Qld, Vic, WA)
‘A2’ Bedo, 1979 (cytoform [= ‘A’ Bedo, 1977, part]) .....	Australia (NSW, Qld, SA, Tas, Vic)
<b>perforatum</b> Fain & Dujardin, 1983 .....	Burundi; Democratic Republic of Congo, Rwanda
<b>philipponi</b> Pilaka & Elouard, 1997 .....	Madagascar
<b>pinhaoi</b> Santos Grácio, 1985 .....	Portugal
<b>politum</b> Crosskey, [1977] [1976] .....	Saint Helena Island
<b>raybouldi</b> Fain & Dujardin, 1983 .....	Tanzania
<b>rubescens</b> Fain & Dujardin, 1983 .....	Rwanda; Democratic Republic of Congo
<b>ruficorne</b> Macquart, 1838 .....	Réunion; Algeria, Angola, Benin, Burkina Faso, Cameroon, Canary Islands (Fuerteventura, Gomera, Gran Canaria, La Palma, Tenerife), Cape Verde Islands, Central African Republic, Chad, Comoro Islands (Anjouan), Congo, Democratic Republic of Congo, Egypt, Eritrea, Ethiopia, Ghana, Guinea, Guinea-Bissau, Iraq, Israel, Ivory Coast, Jordan, Kenya, Liberia, Libya, Madagascar, Madeira (Porto Santo), Malawi, Mali, Malta, Mauritius (incl. Rodrigues Island), Morocco, Mozambique, Namibia, Niger, Nigeria, Oman, Portugal, Saudi Arabia, Senegal, Sierra Leone, Somalia, South Africa (EC, FS, G, KZN, L, M, NC, WC), Spain, Sudan, Syria, Tanzania, Togo, Tunisia, Uganda, Yemen (incl. Socotra), Zambia,
<i>beckeri</i> Roubaud, 1906 [Algeria]	
<i>annulipes</i> Becker, 1908 [Canary Islands (Tenerife)]	
<i>divergens</i> Pomeroy, 1922 [Nigeria]	
<i>diversipes</i> Edwards, 1923 [Mauritius (Rodrigues Island)]	
? ‘M4’ Grenier & Doucet, 1950 ( <i>Simulium</i> sp.)	
<i>bekkeri</i> : incorrect subsequent spelling	

	Zimbabwe. [‘Java’ error]
‘Bouaké’ Bedo, 1989 (cytoform) .....	Ivory Coast
‘Santiago’ Bedo, 1989 (cytoform) .....	Cape Verde Islands (Santiago)
‘Tenerife’ Bedo, 1989 (cytoform) .....	Canary Islands (Tenerife)
<i>rufecorne</i> : incorrect subsequent spelling	
[ <i>nigritarsis</i> : De Meillon, 1930, not Coquillett]	
<b>sacculiferum</b> Fain & Dujardin, 1983 .....	Rwanda; Burundi
<b>simplex</b> Gibbins, 1936 .....	Uganda; Democratic Republic of Congo, Kenya, South Africa (?), Zimbabwe (?)
<i>elgonicum</i> Séguy, 1938 [Kenya]	
<b>sirimonense</b> Fain & Dujardin, 1983 .....	Kenya; Uganda
<b>speculiventre</b> Enderlein, 1914 .....	Seychelles (Mahé, Praslin, Silhouette)
<b>starmuhlneri</b> Grenier & Grjebine, 1964 [1963] .....	Madagascar (incl. Nosy Bé Island)
‘M3’ Grenier & Doucet, 1950 ( <i>Simulium</i> sp.)	
<b>subgriseum</b> Rubtsov, 1940 .....	Afghanistan [neotype]; China (Be, Li), Kazakhstan, Mongolia, Tajikistan, Turkmenistan
<b>tolongoinae</b> Grenier & Brunhes, 1972 .....	Madagascar
? ‘M5’ Grenier & Doucet, 1950 ( <i>Simulium</i> sp.)	
<b>triplex</b> Giudicelli, 2008 .....	Réunion
<b>vitile</b> (Rubtsov, 1955) .....	Armenia; Azerbaijan, Georgia, Uzbekistan
<b>volhynicum</b> (Usova & Sukhomlin, 1990) .....	Ukraine
<i>volhnica</i> : incorrect original spelling (figure 2 legend)	
<i>volinica</i> : incorrect subsequent spelling	
‘B’ Rivosecchi & Merighi, 1970 ( <i>aureosimile</i> morphoform) .....	Yemen

#### VERNUM species-group

<b>aberrans</b> Delfinado, 1969 .....	Philippines (Luzon)
<b>acmeria</b> (Ono, 1978) .....	Japan (Hokkaido)
<i>acmerium</i> : incorrect subsequent spelling	
<b>aestivum</b> Davies, Peterson & Wood, 1962 [1961] .....	Canada (Ontario, Lab, PEI, Que); USA (NH)
‘Labrador’ Brockhouse, 1984 (thesis) ( <i>vernium</i> cytoform)	
<b>amosovi</b> (Vorobets, 1987) .....	Siberia (Yakutskaya ES)
<b>amurense</b> (Rubtsov, 1956) .....	Siberia (Amurskaya FE, Sakhalin FE)
<b>angustatum</b> (Rubtsov, 1956) .....	Ukraine (Crimea); China (Li), Czech Republic, Poland, Romania, Serbia, Slovakia
<i>angutratum</i> , <i>anustatum</i> : incorrect subsequent spellings	
<b>angusticorne</b> (Rubtsov, 1956) .....	Siberia (Maritime FE)
<b>armoricanum</b> Doby & David, 1961 .....	France; Britain (En, Sc, Wa), Ireland, Portugal, Spain. [? = <i>florae</i> ]
<i>amroricanum</i> : incorrect subsequent spelling	
<b>artum</b> Sato, Takaoka & Saito, 2005 .....	Japan (Honshu, Hok)
‘1’ Orii, Uemoto & Onishi, 1969 ( <i>Eusimulium</i> sp.)	
‘Y’ Saito & Kanayama, 1988 / Saito <i>et al.</i> , 1995 ( <i>Simulium</i> sp.)	
<b>australe</b> (Rubtsov, 1955) .....	Armenia; Azerbaijan
<b>babai</b> Takaoka & Aoki, 2007 .....	Japan (Hokkaido)
<b>bavaricum</b> Seitz & Adler, 2009 .....	Germany; Austria
‘1’ Seitz, 2004 ( <i>Simulium</i> sp.)	
‘cf. <i>dolomitense</i> ’ Seitz, 2006 ( <i>Simulium</i> )	
[ <i>carpathicum</i> : Rivosecchi, 1971, 1978 (part), not Knoz]	
[ <i>dolomitense</i> : Rivosecchi, 1971, 1978 (part)]	
<b>beltukovae</b> (Rubtsov, 1956) .....	Russia (Permskaya CR, NR); Finland, Norway, Siberia (WS)
<i>beltjukovae</i> , <i>beltucovae</i> : incorrect subsequent spellings	
<b>bertrandi</b> Grenier & Dorier, 1959 .....	France (incl. Corsica); Austria, Bosnia, Bulgaria, Czech Republic, Germany, Italy, Montenegro, Poland, Russia (CR, SR), Slovakia, Spain, Switzerland, Ukraine
? <i>angustifrons</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i> )	
? <i>angustifrons</i> (Enderlein, 1921 [June, <i>aug-</i> misprint]) [France]	
‘IV’ Grenier, 1953 ( <i>Simulium</i> sp.)	
<b>bicorne</b> Dorogostaisky, Rubtsov & Vlasenko, 1935 .....	Siberia (Irkutskaya ES, FE, WS); Canada (NWT, Yukon), China (He, IM, Jilin), Finland, Latvia, Mongolia, Norway, Poland, Russia (KM, NR), Sweden, USA (Alaska), Pakistan (?)
<i>paracorniferum</i> (Yankovsky, 1979) [Siberia (Khabarovsk)]	
<i>corniferum</i> (Yankovsky, 1979) [Russia (Murmansk)]	
? ‘1’ Jenkins, 1948 ( <i>Eusimulium</i> sp.)	
? ‘Alaska #23’ Brockhouse, 1984 (thesis) ( <i>vernium</i> cytoform)	

<b>boldstemta</b> (Ono, 1978) .....	Japan (Hokkaido)
<i>boldstemtum</i> : incorrect subsequent spelling	
<b>bonninense</b> (Shiraki, 1935) .....	Japan (Bonin Islands = Ogasawara Islands)
<i>bonninensi</i> : incorrect subsequent spelling	
<b>brevidens</b> (Rubtsov, 1956) .....	Ukraine (Crimea); Andorra, Austria, Bosnia, Czech Republic, France, Germany, Italy, Montenegro, Poland, Serbia, Slovakia, Spain, Algeria (?)
<i>brewidens</i> : incorrect subsequent spelling	
[ <i>angustatum</i> : Rubtsov, 1961]	
<b>bumthangense</b> Takaoka & Somboon, 2008 .....	Bhutan
<b>burgeri</b> Adler, Currie & Wood, 2004 .....	Canada (New Brunswick, Man, Ont, Sask); USA (NH)
‘near <i>fionae</i> ’ Adler & Mason, 1997 / Currie, 1997 ( <i>Simulium</i> sp.)	
<b>burmense</b> Takaoka, 1989 .....	Burma
<b>cangshanense</b> (Xue, 1993) .....	China (Yunnan)
<b>carbunculum</b> Adler, Currie & Wood, 2004 .....	USA (California, Ari, Col, Idaho, Nev, NM, Utah, Wyo); Canada (BC, Sask), Mexico (Du)
<i>attenuatum</i> Peterson, 1958 (thesis) (unav., <i>nomen nudum</i> )	
‘A’ Peterson, 1960 ( <i>Simulium</i> sp.)	
‘Cypress’ Dunbar, 1962 (thesis) ( <i>pugetense</i> cytoform)	
‘Cypress Hills’ Hunter & Connolly, 1986 ( <i>pugetense</i> cytoform)	
‘near Cypress Hills’ McCreadie <i>et al.</i> , 1997 ( <i>pugetense</i> cytoform)	
[ <i>pugetense</i> : authors (Mexico, Saskatchewan), not Dyar & Shannon]	
<b>carpathicum</b> (Knoz, 1961) .....	Czech Republic; Andorra, Austria, Finland, France, Germany, Italy, Poland, Serbia, Slovakia, Slovenia, Sweden, Ukraine
<i>carphaticum</i> : incorrect original spelling	
<i>carpacticum</i> , <i>carpaticum</i> : incorrect subsequent spellings	
<b>carthusiense</b> Grenier & Dorier, 1959 .....	France (incl. Corsica); Andorra, Austria, Czech Republic, Germany, Italy, Poland, Slovakia, Spain, Switzerland, Ukraine
‘I’ Grenier, 1949 ( <i>Simulium</i> sp., attrib. Dorier & Freychet, 1945)	
<i>carthunsiense</i> , <i>carthusiense</i> , <i>cartusiense</i> : incorrect subsequent spellings	
<b>caudisclerum</b> Takaoka & Davies, 1995 .....	Malaysia (Malaya); Thailand
‘A’ Takaoka & Suzuki, 1984 ( <i>Simulium</i> sp.)	
<b>chejuense</b> Takaoka, 1974 .....	Korea (Cheju Islands)
<b>cheni</b> (Xue, 1993) .....	China (Yunnan)
<b>chenzhouense</b> Chen, Zhang & Bi, 2004 .....	China (Hunan)
<b>cherraense</b> Sun, 1994 .....	China (Liaoning)
<b>chodakovi</b> (Panchenko, 1998) .....	Ukraine (Crimea)
<b>chomustachi</b> (Vorobets, 1977) .....	Siberia (Yakutskaya ES)
<b>chubarevae</b> (Kachvoryan & Terteryan, 1981) .....	Armenia
<b>codreanui</b> (Sherban, 1958) .....	Romania; Austria, Bosnia, Bulgaria, Czech Republic, Poland, Serbia, Slovakia, Turkey, Ukraine
? <i>laticalx</i> (Enderlein, 1936) (preocc.) [Romania]	
? <i>orsovae</i> Smart, 1944 (subst. name, for <i>laticalx</i> )	
<i>codreanni</i> : incorrect subsequent spellings	
<b>conicum</b> Adler, Currie & Wood, 2004 .....	USA (California, Idaho, Ore, Was); Canada (BC)
[ <i>pugetense</i> : Courtney, 1986, not Dyar & Shannon]	
<b>costatum</b> Friederichs, 1920 .....	Germany; Algeria, Austria, Bosnia, Britain (En, Sc), Bulgaria, Czech Republic, Denmark, France, Hungary, Italy, Latvia, Luxembourg, Morocco, Netherlands, Norway, Poland, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine. [‘Argentina’ error, Edwards, 1931]
<i>incornutum</i> (Enderlein, 1929) [Germany]	
<i>barbativentre</i> (Enderlein, 1929) [Germany]	
<i>costalum</i> , <i>coststum</i> : incorrect subsequent spelling	
<b>craigi</b> Adler & Currie, 1986 .....	Canada (Alberta, BC, Man, NB, Nfld, Nun, NWT, Ont, PEI, Que, Sask); USA (Alaska, Ari, Cal, Col, Maine, Mic, NH, NM, NY, Pen, Utah, Wyo)
‘A’ Rothfels & Brockhouse, 1983 [ <i>in</i> Okaeme, thesis] ( <i>vernum</i> cytoform)	
‘Gothic’ Brockhouse, 1985 ( <i>vernum</i> cytoform) .....	USA (Col)
? ‘Type 4’ Brockhouse, 1989 [ <i>in</i> Brockhouse, Bass, Feraday & Strauss] (cytoform) [uncharacterized] .....	‘North America’ [no locality]
‘X’ Hunter, 1987 (thesis) ( <i>vernum</i> cytoform)	
‘AF’ Hunter, 2002 (cytoform) .....	Canada (Man, Ont, Sask)
‘Cypress Hills’ Brockhouse, 1985 ( <i>vernum</i> cytoform)	
‘Nipigon’ Brockhouse, 1985 ( <i>vernum</i> cytoform)	
‘ACF/BCF’ Hunter, 2002 (cytoform) .....	USA (NH)
‘CC’ Hunter, 2002 (cytoform) .....	USA (Pen)

[see Adler *et al.*, 2004 for misidentifications]

<b>crenobium</b> (Knoz, 1961) .....	Czech Republic; Austria, Bosnia, Germany, Hungary, Poland, Romania, Serbia, Slovakia, Slovenia, Switzerland, Ukraine. ['Italy' error]
<b>croxtoni</b> Nicholson & Mickel, 1950 .....	USA (Minnesota, Maine, Mas, Mic, NH, NJ, Pen, Wis, Wyo); Canada (Alb, BC, Lab, Man, NB, Nfld, NWT, Ont, PEI, Sask, Yukon)
'E' Shewell, 1957 ( <i>Simulium</i> sp.)	
<b>cryophilum</b> (Rubtsov, 1959) (complex)* .....	Russia (St Petersburg CR, NR, SR); Algeria, Andorra, Armenia, Austria, Balearic Islands (Majorca), Belgium, Bosnia, Britain (En, Sc, Wa), Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France (incl. Corsica), Germany, Greece (incl. Chios, Crete, Naxos, Lésbos), Ireland, Italy (incl. Sardinia, Sicily), Latvia, Luxembourg, Morocco, Netherlands, Norway, Poland, Portugal, Scotland, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Tunisia, Turkey, Ukraine
<i>brevicaulis</i> Dorier & Grenier, 1961 (unav., form post-1960)	
<i>biancoi</i> (Rubtsov, 1964) [Italy]	
<i>couverti</i> (Rubtsov, 1964) [Italy]	
<i>vidanoi</i> (Rubtsov, 1964) [Italy]	
<i>brevicaule</i> Davies (L.), 1966 (availability conferred) [France]	
'1' Kunze, 1953 ( <i>Simulium</i> species)	
'2' Kunze, 1953 ( <i>Simulium</i> species)	
'A' Hunter, 1987 (cytoform) .....	Denmark, Germany, Sweden
'B2' Hunter, 1987 (cytoform) .....	Germany, Sweden
'Atypical' Bass, 1998 (morphoform) .....	Britain (En), Ireland
'Typical' Bass, 1998 (morphoform) .....	Britain (En), Ireland
<i>cryophylum</i> : incorrect subsequent spelling	
[ <i>latipes</i> : Kachvoryan & Chubareva, 1974, not Meigen]	
<b>curvans</b> (Rubtsov & Carlsson, 1965) .....	Siberia (Irkutskaya ES, FE, WS); Finland, Latvia, Mongolia, Norway, Romania, Russia (CR, KM), Sweden
[ <i>pungens</i> : Rubtsov, 1956, not Meigen]	
<b>dendrofilum</b> (Patrusheva, 1962) .....	Siberia (Tomskaya WS, ES, FE); Belarus, Canada (Nun), Finland, Sweden, USA (Alaska)
'near <i>croxtoni</i> ' Smith, 1970 (thesis) ( <i>Simulium</i> sp.)	
<i>dendrofilium</i> : incorrect subsequent spelling	
<b>dentatura</b> (Vorobets, 1987) .....	Siberia (Yakutskaya ES)
<b>djafarovi</b> (Rubtsov, 1962) (subst. name) .....	Azerbaijan; Armenia, Romania, Turkey
<i>subcostatum</i> (Djafarov, 1953) (preocc.)	
<b>dolomitense</b> (Rivosecchi, 1971) .....	Italy
<b>dunfellense</b> Davies, 1966 .....	Britain (England, Sc); Belgium, Ireland
<b>elatum</b> (Rubtsov, 1955) .....	Azerbaijan; Russia (Caucasus)
<b>elburnum</b> (Rubtsov & Carlsson, 1965) .....	Russia (Permskaya CR); Mongolia, Siberia (ES, WS)
[ <i>minutissimum</i> : Rubtsov, 1956, not Zetterstedt]	
<b>erectum</b> (Rubtsov, 1959) .....	Russia (Permskaya CR); Siberia (ES, WS)
<b>fionae</b> Adler, 1990 .....	USA (New Hampshire, Mic, NJ, Pen); Canada (Lab, NB, NWT, Ont, Sask)
'A-type' Brockhouse, 1984 (thesis) ( <i>vernum</i> cytoform)	
'Eastmain' Brockhouse, 1985 ( <i>vernum</i> cytoform)	
'near <i>furculatum/croxtoni</i> Adler & Kim, 1986 ( <i>Simulium</i> sp.)	
'near <i>croxtoni-furculatum</i> ' Hunter, 1987 (thesis) ( <i>Simulium</i> sp.)	
[ <i>furculatum</i> : Adler, 1983 (thesis), not Shewell]	
<b>florae</b> (Djafarov, 1954) .....	Azerbaijan; Romania, Turkey
<b>fluviale</b> Radzivilovskaya, 1948 .....	Siberia (Maritime FE); China (Si), Romania (?)
<b>fontinale</b> Radzivilovskaya, 1948 .....	Siberia (Maritime FE incl. Sakhalin); Canada (Alb, BC, NWT, Yukon), Finland, Japan (Hon), Mongolia, USA (Alaska)
<i>decolletum</i> Adler & Currie, 1986 [Canada (Alberta)]	
'X' Choate, 1984 (thesis) ( <i>Eusimulium</i> sp.)	
'Yukon #9' Brockhouse, 1984 (thesis) ( <i>vernum</i> cytoform)	
'Yukon' Brockhouse, 1985 ( <i>vernum</i> cytoform)	
[ <i>longipile</i> : Rubtsov, 1956 (Lake Baikal form), not Radzivilovskaya]	
[ <i>pugetense</i> (part): Palearctic authors, not Dyar & Shannon]	
[ <i>tschukotensis</i> : Rubtsov, 1971 (male paratype)]	
<b>fontium</b> (Rubtsov, 1955) .....	Russia (Caucasus); Armenia, Azerbaijan, Georgia, Ukraine. [? = <i>costatum</i> ]
<b>fucense</b> (Rivosecchi, 1962) .....	Italy
<b>garniense</b> (Rubtsov, 1955) .....	Armenia



<b>gejgelense</b> (Djafarov, 1954) .....	Azerbaijan; China (Si)
<i>geigelense</i> : incorrect subsequent spelling	
<b>gomphocorne</b> (Rubtsov, 1964) .....	Russia (Caucasus)
<b>gouldingi</b> Stone, 1952 .....	USA (Pennsylvania, Ark, Del, Ken, Maine, Mas, Mic, NC, NH, NJ, NY, Vir, Wis, WV); Canada (Nfld, Ont, Que)
‘1’ DeFoliart, 1951 (thesis) ( <i>Simulium</i> sp.)	
‘Sp. 27’ Jamnback, 1951 (thesis)	
<b>gracile</b> Datta, 1973 .....	India (West Bengal); China (Tibet), Nepal
<i>graciliss</i> : incorrect subsequent spelling	
<b>henanense</b> Wen, Wei & Chen, 2007 [December] .....	China (Henan)
<i>henanense</i> Wen, Wei & Chen, 2007 [August] (unav. under Code Article 16.4.1; no type)	
<b>ibarakiense</b> Takaoka & Saito, 2007 .....	Japan (Honshu)
<b>ichnusae</b> Rivosecchi & Contini, 1994 (subst. name) .....	Italy (Sardinia)
<i>rivosecchii</i> (Contini, 1965) (preocc.)	
<i>rivosecchi</i> : incorrect subsequent spelling	
<b>impar</b> Davies, Peterson & Wood, 1962 [1961] .....	Canada (Ontario, Que); USA (Ark, Geo, Ken, Maine, NC, NJ, Ohio, Pen, SC, Ten, Vir, WV)
<b>itelmenica</b> (Chubareva & Yankovsky, 2006) .....	Siberia (Kamchatka FE)
<b>jilinense</b> Chen & Cao, 1983 .....	China (Jilin, Li)
<b>juxtacrenobium</b> Bass & Brockhouse, 1990 .....	Britain (England); Finland, Ireland, Sweden, Netherlands (?)
<i>juxtacrenobium</i> Brockhouse, Bass, Feraday & Straus, 1989 (unav., ICZN Opinion 1683)	
<b>karajimae</b> (Panchenko, 2003) .....	Ukraine (Crimea)
<b>karzhantavicum</b> (Rubtsov, 1956) .....	Kazakhstan; Turkmenistan, Uzbekistan (?)
<i>karzhantacum</i> : incorrect subsequent spelling	
<b>keiseri</b> (Rubtsov, 1955) .....	Kyrgyzstan; Azerbaijan (Nakhichevan), Kazakhstan, Siberia (ES, WS), Uzbekistan
<b>koshikiense</b> Takaoka, 1976 .....	Japan (Nansei Islands)
<b>kugartsuense</b> (Rubtsov, 1956) .....	Kyrgyzstan
<b>kurtaki</b> Takaoka & Davies, 1995 .....	Malaysia (Malaya)
<b>kuznetzovi</b> Rubtsov, 1940 .....	Russia (Murmansk KM)
<i>kusnetzovi</i> : incorrect subsequent spelling	
<b>larvipilosum</b> Okazawa, 1984 .....	Japan (Hokkaido)
<b>latifile</b> (Rubtsov, 1956) .....	Siberia (Maritime FE); China (Li)
<i>litifile</i> : incorrect subsequent spelling	
[ <i>longipile</i> : Radzivilovskaya, 1948 (part)]	
<b>lidiae</b> (Semushin & Usova, 1983) .....	Ukraine
<b>lilotense</b> (Rubtsov, 1971) .....	Siberia (Irkutskaya ES)
<b>loerchae</b> Adler, 1987 .....	USA (South Carolina, Ala, Ark, Flo, Geo, Misp, NC, Pen, Ten)
‘1’ Pinkovsky, 1976 (thesis) / Pinkovsky & Butler, 1978 ( <i>Simulium</i> sp.)	
‘new species’ Hunter, 1987 (thesis) ( <i>Simulium</i> )	
<b>longipile</b> Radzivilovskaya, 1948* .....	Siberia (Maritime FE incl. Kamchatka, Irkutskaya ES); China (He)
[ <i>pugetense</i> (part): Palearctic authors, not Dyar & Shannon]	
<b>longtanstum</b> Ren, An & Kang, 1998 .....	China (Shandong)
<b>ludingense</b> Chen, Zhang & Huang, 2005 .....	China (Sichuan)
<b>luppovae</b> (Rubtsov, 1956) .....	Tajikistan; Siberia (ES, FE, WS)
<i>lippovae</i> : incorrect subsequent spelling	
<b>marsicanum</b> (Rivosecchi, 1962) .....	Italy (incl. Sicily)
<b>meigeni</b> (Rubtsov & Carlsson, 1965) .....	Russia (Murmansk KM); China (Li), Mongolia, Siberia (?). [‘Britain’ error]
[ <i>pygmaeum</i> : Rubtsov, 1956 (part), not Zetterstedt]	
<b>merritti</b> Adler, Currie & Wood, 2004 .....	USA (Utah)
<b>minuticorpus</b> (Yankovsky, 1996) (subst. name) .....	Russia (St Petersburg CR, SR); Italy (?), Sweden (?)
<i>minutum</i> (Rubtsov, 1959) (preocc.)	
<b>modicum</b> Adler, Currie & Wood, 2004 .....	Canada (Ontario, Alb, BC, Que, Yukon); USA (California, Alaska, Idaho, Mic, Mon, Was, Wyo)
‘IL-st’ Choate, 1984 (thesis) ( <i>pugetense</i> cytoform)	
‘A’ Hunter & Connolly, 1986 ( <i>pugetense</i> cytoform)	
[ <i>pugetense</i> : authors (Michigan, Ontario), not Dyar & Shannon]	
<b>moultoni</b> Adler, Currie & Wood, 2004 .....	USA (New Hampshire); Canada (PEI, Que incl.

‘C’ Hunter & Connolly, 1986 ( <i>pugetense</i> cytoform)	Magdalen Islands
<b>multidentatum</b> (Bodrova, 1988) [ <i>in</i> Bodrova & Luk'yanchuk] .....	Siberia (Sakhalin FE)
<b>murvanidzei</b> (Rubtsov, 1955) .....	Georgia; Armenia
<b>naturale</b> Davies, 1966 .....	Britain (England, Sc, Wa); Denmark, Estonia, Germany, Ireland, Lithuania, Spain, Norway (?)
‘Dorset IIS-2+3’ Brockhouse, 1985 ( <i>vernum</i> cytoform) .....	Britain (En)
‘Denmark’ Brockhouse, 1991 (thesis) (cytoform) .....	Denmark
<b>novigracile</b> Deng, Zhang, Xue & Chen, 1996 .....	China (Tibet, Hubei)
<b>oligotuberculatum</b> (Knoz, 1965) .....	Slovakia; Andorra, Austria, Czech Republic, France, Germany, Italy, Poland
<i>oligotuberculatum</i> : incorrect subsequent spelling	
<i>ono</i> Sato & Takaoka, 2004 [ <i>in</i> Sato, Takaoka & Fukuda] .....	Japan (Hokkaido)
(unav. primary homonym and invalid under <i>Code</i> Article 16.4.1; no type)	
[ <i>konoi</i> : Ono, 1975, 1979, not Takahasi]	
<b>pathrushevae</b> (Boldarueva, 1979) .....	Siberia (Buryatskaya ES)
<i>patrushevae</i> : incorrect subsequent spelling	
<b>planipuparium</b> Rubtsov, 1947 .....	Tajikistan; Kazakhstan, Pakistan
<b>pugetense</b> (Dyar & Shannon, 1927) .....	USA (Washington, Alaska, Cal, Ore); Canada (BC incl. Queen Charlotte Islands). [‘China’, ‘Mexico’, ‘Mongolia’, ‘Russia’, ‘Siberia’ errors]
‘IL-1’ Choate, 1984 (thesis) (cytoform)	
‘B’ Hunter & Connolly, 1986 (cytoform) .....	Canada (BC), USA (Alaska)
‘D’ Hunter & Connolly, 1986 (cytoform) .....	Canada (BC incl. Queen Charlotte Islands), USA (Cal, Ore, Was)
‘E’ Hunter & Connolly, 1986 (cytoform) .....	Canada (BC incl. Queen Charlotte Islands)
<i>prugetense</i> : incorrect subsequent spelling	
<b>purii</b> Datta, 1973 .....	India (West Bengal); China (Tibet), Nepal
<b>qiaolaoense</b> Chen, 2001 .....	China (Guizhou)
<i>qiaolaoense</i> , <i>qiaoluense</i> : incorrect subsequent spellings	
<b>qingshuiense</b> Chen, 2001 .....	China (Guizhou)
<b>quasidecolletum</b> Crosskey, [1988] [1987] (subst. name) .....	France; Austria, Germany, Italy, Spain, Switzerland
<i>truncatum</i> Dorier & Grenier, 1961 (unav., form post-1960)	
<i>truncatum</i> (Rivosecchi & Cardinali, 1975) (preocc.)	
<b>quebecense</b> Twinn, 1936 .....	Canada (Quebec, NS, Ont); USA (Geo, Mic, NC, NH, NJ, NY, Pen, SC, Vir, WV)
<i>quebecences</i> : incorrect subsequent spelling	
[see Adler <i>et al.</i> , 2004 for misidentifications]	
<b>raohense</b> Cai & An, 2006 .....	China (Heilongjiang)
<b>rebunense</b> (Ono, 1979) .....	Japan (Hokkaido: Rebun Island)
<i>rushanense</i> (Chubareva & Petrova, 2008) (unav., <i>nomen nudum</i> , attrib. Chubareva) .....	Tajikistan
<b>saliceti</b> (Rubtsov, 1971) .....	Siberia (Magadanskaya FE)
<b>satakei</b> Takaoka & Saito, 2006 .....	Japan (Bonin Islands = Ogasawara Islands)
<b>silvestre</b> (Rubtsov, 1956) .....	Siberia (Irkutskaya ES); Canada (Alb, BC, Lab, Man, NB, Nfld, Nun, NWT, Ont, PEI, Que incl. Magdalen Islands, Sask, Yukon), China (Si, Yu), Finland, Mongolia, Norway, Russia (KM), Siberia (WS), Sweden, Ukraine, USA (Alaska, Cal, Col, Idaho, Maine, Mic, NH, NJ, NY, Ore, Pen, Was, Wyo)
<i>caledonense</i> Adler & Currie, 1986 [Canada (Alberta)]	
‘St. Rose’ Landau, 1962 [ <i>in</i> Dunbar, thesis] ( <i>latipes</i> [= <i>vernum</i> ] cytoform)	
‘B’ Rothfels & Brockhouse, 1983 [ <i>in</i> Okaeme, thesis] ( <i>vernum</i> cytoform)	
‘Caledon’ Brockhouse, 1985 ( <i>vernum</i> cytoform)	
<i>sivestre</i> , <i>sylvestre</i> : incorrect subsequent spellings	
[ <i>vernum</i> ‘Knebworth’: Brockhouse, 1985 / Allison & Shields, 1989 (part, Alaska)]	
[see Adler <i>et al.</i> , 2004 for additional misidentifications]	
<b>strelkovi</b> (Rubtsov, 1956) .....	Siberia (Sakhalin FE)
<b>subcostatum</b> (Takahasi, 1950) .....	Japan (Hokkaido incl. Rishiri Island, Hon, Ky, Sh); China (Li), Siberia (FE incl. Kurile Islands and Sakhalin)
<b>taulingense</b> Takaoka, 1979 .....	Taiwan
<b>tauricum</b> (Rubtsov, 1956) .....	Ukraine (Crimea)
<i>tahuricum</i> : incorrect subsequent spelling	
<b>thrimshinglaense</b> Takaoka & Somboon, 2008 .....	Bhutan

<b>timondavidi</b> Giudicelli, 1961 [1960] .....	France (Corsica)
<b>tjibodense</b> Edwards, 1934 .....	Indonesia (Java)
<i>tibodense</i> : incorrect subsequent spelling	
<b>tosariense</b> Edwards, 1934 .....	Indonesia (Java)
<b>toubkal</b> Bouzidi & Giudicelli, 1986 .....	Morocco
<b>tricrenum</b> (Rubtsov & Carlsson, 1965) .....	Sweden; Poland
<b>uchidai</b> (Takahasi, 1950) .....	Japan (Hokkaido incl. Rebun and Rishiri Islands, Hon, Ky, NI, Sh); China (Li), Korea (South), Siberia (FE incl. Sakhalin)
‘Latipes-buyu’ Kani, 1944	
<i>uchidae</i> , <i>uchidal</i> , <i>ucidai</i> : incorrect subsequent spellings	
[ <i>latipes</i> : Bentinck, 1955, not Meigen]	
<b>uemotoi</b> Sato, Takaoka & Fukuda, 2004 .....	Japan (Kyushu, Hok, Hon, Sh)
‘2’ Orii, Uemoto & Onishi, 1969 ( <i>Eusimulium</i> sp.)	
‘3’ Onishi, Uemoto & Orii, 1971 ( <i>Eusimulium</i> sp.)	
‘H’ Saito & Kanayama, 1988 ( <i>Simulium</i> sp.)	
<b>urbanum</b> Davies, 1966 .....	Britain (England); Belgium, Denmark, Germany, Ireland, Luxembourg, Sweden, Netherlands (?)
‘B1’ Hunter, 1987 ( <i>cryophilum</i> cytoform)	
<b>vernum</b> Macquart, 1826 [1823/24]	France; Andorra, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia, Britain (En, Sc, Wa), China (He, IM, Jilin, Li), Czech Republic, Denmark, Estonia, Finland, Germany, Hungary, Iceland, Ireland, Italy (incl. Sicily), Kazakhstan, Latvia, Liechtenstein, Lithuania, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CR, KM, NR, SR), Serbia, Siberia (FE, WS), Slovakia, Slovenia, Spain, Sweden, Switzerland, Tunisia, Turkey, Ukraine. [Not North America (misidentified)]
[valid, ICZN Opinion 1416, List] (complex)* .....	
<i>pubiventris</i> Zetterstedt, 1837 (unav., <i>nomen nudum</i> )	
<i>pubiventre</i> Zetterstedt, 1838 [Sweden]	
<i>trabeatum</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i> )	
<i>trabeatum</i> (Enderlein, 1921 [June]) (available) [France]	
<i>pritzkowi</i> (Enderlein, 1926) [Norway]	
<i>albipileatum</i> (Enderlein, 1926) [Germany]	
<i>schielei</i> (Enderlein, 1926) [Germany]	
<i>wigandi</i> (Enderlein, 1928) [Poland]	
<i>fluminale</i> (Rubtsov, 1956) [Siberia (Permskaya)]	
<i>hatangense</i> (Rubtsov, 1956) [Siberia (Krasnoyarsk)]	
<i>shutovae</i> (Rubtsov, 1956) [Siberia (Maritime FE)]	
<i>aestivale</i> (Rubtsov, 1962) [Russia (St Petersburg)]	
<i>meridionale</i> (Rivosecchi & Lipparoni, 1965) (preocc.) [Italy]	
<i>mariae</i> (Usova & Reva, 2008) (unav., <i>nomen nudum</i> )	
‘Dorset IIS-1’ Brockhouse, 1985 (cytoform) .....	
‘Knebworth’ Brockhouse, 1985 (cytoform) .....	
‘Lymington’ Brockhouse, 1985 (cytoform) .....	
‘N89’ Brockhouse, 1985 (cytoform) .....	
‘N99’ Brockhouse, 1985 (cytoform) .....	
‘N111/N96’ Brockhouse, 1985 (cytoform) .....	
‘X <sub>0</sub> Y <sub>0</sub> ’ Hunter, 1987 (cytoform) .....	
‘X <sub>0</sub> Y <sub>1</sub> ’ Hunter, 1987 (cytoform) .....	
‘Hornvik’ Bass & Brockhouse, 1990 / Brockhouse, 1991 (thesis) (cytoform) .....	
‘Knobworth’ Chubareva & Petrova, 2003 (lapsus for ‘Knebworth’) [ <i>latipes</i> : authors (incl. Rubtsov & Yankovsky, 1988 Catalogue), not Meigen: sense invalid (ICZN Opinion 1416)]	
<b>wulindongense</b> An & Yan, 2006 .....	China (Heilongjiang)
<i>wulingdongense</i> : incorrect subsequent spelling	
<b>wyomingense</b> Stone & DeFoliart, 1959 .....	USA (Wyoming, Cal, Ore, Utah); Canada (BC)
<i>alpinum</i> Peterson, 1958 (thesis) (unav., <i>nomen nudum</i> )	
[ <i>minus</i> : Hearle, 1932 / Coleman, 1951 (thesis), not Dyar & Shannon]	
<b>xinbinense</b> Chen & Cao, 1983 .....	China (Liaoning)
<i>xinbinense</i> : incorrect subsequent spelling	
<b>xueae</b> Sun, 1994 .....	China (Liaoning)
<i>xueae</i> Sun, 1992 (? available, not seen, cited by Sun 1994)	
<b>yushangense</b> Takaoka, 1979 .....	Taiwan; China (Gu)
<i>yeshangense</i> , <i>yushangense</i> : incorrect subsequent spellings	
<b>zakhariense</b> (Rubtsov, 1955) .....	Armenia; Azerbaijan
<b>zhangjiajiangense</b> Chen, Zhang & Bi, 2004 .....	China (Hunan)

<b>zhiltzovae</b> (Rubtsov, 1976) .....	Georgia
‘A’ Datta, Dey & Paul, 1975 ( <i>Simulium</i> sp.) .....	India (WB)
‘Vashisht’ Datta, 1982 ( <i>Simulium</i> sp.) .....	India (HP)
‘1’ Chubareva & Petrova, 2003 .....	Kazakhstan
‘2’ Chubareva & Petrova, 2003 .....	Kazakhstan
‘3’ Chubareva & Petrova, 2003 .....	Tajikistan
‘4’ Chubareva & Petrova, 2003 .....	Russia

*Nevermannia* species unplaced to group

‘D’ Datta, Dey & Paul, 1975 ( <i>Simulium</i> sp.) .....	India (Sik, WB)
‘KUa’ Yoon & Song, 1990 ( <i>Simulium</i> sp.) .....	Korea (South)
‘KUb’ Yoon & Song, 1990 ( <i>Simulium</i> sp.) .....	Korea (South)
‘KUC’ Yoon & Song, 1990 ( <i>Simulium</i> sp.) .....	Korea (South)
‘KUD’ Yoon & Song, 1990 ( <i>Simulium</i> sp.) .....	Korea (South)

**Subgenus NOTOLEPRIA Enderlein**

**NOTOLEPRIA** Enderlein, 1930 (as genus). Type species: *exiguum* (original designation)

<b>blantoni</b> Field, 1967 .....	Panama
<b>cuasiexiguum</b> Shelley, Luna Dias, Maia-Herzog & Lowry, 2000 [in Shelley, Maia-Herzog, Lowry, Luna Dias, Garritano, Shelley, Camargo & Carter] .....	Brazil (Goias, MGr, SP)
<b>exiguum</b> Roubaud, 1906 (complex) .....	Venezuela; Argentina (Jujuy, Salta, Tuc), Bolivia, Brazil (Amz, Bahía, BFD, Goiás, MG, MGr, MGrN, Ror, SP, Toc), Colombia, Ecuador, Guatemala, Guyana, Mexico (Mo), Panama, Peru (Cuzco, Huá, Junín, Lima)
<i>glaucophthalmum</i> Knab, 1914 [Peru (‘Santa Clara’)]	
<i>delpontei</i> Paterson & Shannon, 1927 [Argentina (Salta)]	
<i>urubambanum</i> Enderlein, 1934 [1933] [Peru (Cuzco)]	
‘Aguarico’ Procnier, Shelley & Arzube, 1985 (cytoform) .....	Ecuador
‘Bucay’ Procnier, Shelley & Arzube, 1985 (cytoform) .....	Ecuador
‘Cayapa’ Procnier, Shelley & Arzube, 1985 (cytoform) .....	Ecuador
‘Quevedo’ Procnier, Shelley & Arzube, 1985 (cytoform) .....	Ecuador
‘N’ Charalambous, Shelley & Arzube, 1997 (cytoform) .....	Ecuador
‘Huatarac’ Charalambous, Arzube & Lowell, 1998 (cytoform) .....	Ecuador
‘Napo’ Charalambous, Arzube & Lowell, 1998 (cytoform) .....	Ecuador
<i>delponti</i> : incorrect subsequent spelling	
<i>exiigum</i> : incorrect subsequent spelling	
<i>glaucophthalmun</i> , <i>glaucophthalmicum</i> : incorrect subsequent spellings	
<b>gonzalezi</b> Vargas & Díaz Nájera, 1953 .....	Guatemala; Belize, Costa Rica, Ecuador, Mexico (Ch, Co, Gu, Hi, Ja, Mi, Mo, Na, Ox, Pu, SLP, Ta, Tb, Vz)
<i>gonzalesi</i> : incorrect subsequent spelling	
[ <i>exiguum</i> : authors, not Roubaud]	
<b>incertum</b> Lutz, 1910 .....	Brazil (Minas Gerais, SP)
<b>llutense</b> Coscarón & Matta, 1982 .....	Chile (Tarapacá)
<b>paraguayense</b> Schrottky, 1909 .....	Paraguay; Argentina (Cos, Mis), Brazil (Bahía, MG, RDJ, SP), Venezuela
<b>paranense</b> Schrottky, 1909 .....	Paraguay
<b>subexiguum</b> Field, 1967 .....	Panama; Mexico (Ch)
‘A’ Ibáñez-Bernal, 1992 ( <i>Simulium</i> sp.) .....	Mexico (Chiapas)

**Subgenus OBUCHOVIA Rubtsov**

**OBUCHOVIA** Rubtsov, 1947 (as subgenus of *Simulium*). Type species: *albellum* (monotypy)

<b>adornatum</b> (Rubtsov, 1956) .....	Russia (Caucasus)
<b>albellum</b> Rubtsov, 1947 .....	Tajikistan; Afghanistan, Kazakhstan, Pakistan, Uzbekistan
<i>sibella</i> : incorrect subsequent spelling	

<b>auricoma</b> Meigen, 1818 .....	Austria; Andorra, Bulgaria, Cyprus, Czech Republic, France (incl. Corsica), Germany, Greece (Crete, Icaria, Lésbos, Naxos, Rhodes, Samos), Italy (incl. Sardinia, Sicily), Lebanon, Poland, Portugal, Romania, Serbia, Slovakia, Spain, Turkey, Ukraine
<i>syriacum</i> Roubaud, 1909 [Lebanon]	
<i>djerdapense</i> Baranov, 1937 [Serbia]	
<b>biseriatum</b> Rubtsov, 1940 .....	Tajikistan [neotype]; China (Tibet)
<b>brevifile</b> (Rubtsov, 1956) .....	Ukraine (Crimea); Italy (incl. Sicily, Sardinia)
<b>continii</b> (Rivosecchi & Cardinali, 1975) .....	Italy (Sardinia)
<b>emiliae</b> (Rubtsov, 1976) .....	Tajikistan
<b>galloprovinciale</b> Giudicelli, 1963 [1962] .....	France; Italy, Morocco, Spain
<b>ibericum</b> Crosskey & Santos Grácio, 1985 .....	Portugal; Spain
<b>karasuae</b> (Panchenko, 1998) .....	Ukraine (Crimea)
<i>karacuae</i> : incorrect original spelling [alternative]	
<b>margaritae</b> (Rubtsov, 1956) .....	Armenia; Turkey
<i>margaritea</i> : incorrect subsequent spelling	
<b>marocanum</b> Bouzidi & Giudicelli, 1988 [1987] .....	Morocco; Algeria
<b>popowae</b> Rubtsov, 1940 .....	Armenia; Azerbaijan, Bulgaria
<i>terminasjanae</i> Terteryan, 1952 [Armenia]	
<i>atrofuscum</i> (Rubtsov, 1956) [Armenia]	
<i>popovae</i> : incorrect subsequent spelling	
<i>terminasjane</i> : incorrect original spelling (alternative)	
<b>segusina</b> (Couvert, 1968) .....	Italy
<i>seguisina</i> : incorrect subsequent spelling	
<b>transcaspicum</b> Enderlein, 1921 [June] .....	Turkmenistan; Azerbaijan, Iran, Turkey (?)
<i>transcaspicum</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i> )	
<i>trensaspica</i> : incorrect subsequent spelling	
[ <i>ochrescentipes</i> : Rubtsov & Yankovsky, 1988, not Enderlein]	

#### Subgenus PHORETOMYIA Crosskey

**PHORETOMYIA** Crosskey, 1969 (as subgenus of *Simulium*). Type species: *copleyi* (original designation)

<b>afonuri</b> Lewis & Disney, 1970 .....	Cameroon
<b>baetophilum</b> Lewis & Disney, 1972 .....	Cameroon
<i>baetophilum</i> : incorrect subsequent spelling	
<b>berneri</b> Freeman, 1954 .....	Ghana; Ivory Coast, Liberia, Uganda, Angola (?)
<b>copleyi</b> Gibbins, 1941 .....	Kenya; Tanzania, Uganda
<b>desirei</b> Pilaka & Elouard, 1999 .....	Madagascar
<b>diceros</b> Freeman & De Meillon, 1953 .....	Democratic Republic of Congo
<b>dukei</b> Lewis, Disney & Crosskey, 1969 [1968] .....	Cameroon
[ <i>aureosimile</i> : Duke, 1962, not Pomeroy]	
<b>kiangaraense</b> Pilaka & Elouard, 1999 .....	Madagascar
<b>kumboense</b> Grenier, Germain & Mouchet, 1966 [1965] .....	Cameroon
<b>lumbwanum</b> De Meillon, 1944 .....	Kenya; Botswana, Cameroon, Ivory Coast, Liberia, South Africa (M), Swaziland, Uganda, Zambia/Zimbabwe (Victoria Falls) (?)
<i>lerabanum</i> Gouteux, 1979 [1978] (ssp.) [Ivory Coast]	
<b>marlieri</b> Grenier, 1950 .....	Democratic Republic of Congo
<b>melanocephalum</b> Gouteux, 1978 .....	Democratic Republic of Congo
<b>moucheti</b> Gouteux, 1977 .....	Democratic Republic of Congo
<b>rickenbachi</b> Germain, Grenier & Mouchet, 1966 .....	Cameroon
<b>zairensis</b> Gouteux, 1977 .....	Democratic Republic of Congo

#### Subgenus POMEROYELLUM Rubtsov

**POMEROYELLUM** Rubtsov, 1962 (as genus). Type species: *cervicornutum* (original designation)

## ALCOCKI species-group

<b>alcocki</b> Pomeroy, 1922 .....	Nigeria; Angola, Benin, Burkina Faso, Cameroon, Central African Republic, Democratic Republic of Congo, Equatorial Guinea (Bioko), Ethiopia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Liberia, Malawi, Mozambique, Rwanda, São Tomé and Príncipe (São Tomé), Senegal, Sierra Leone, South Africa (FS, G, KZN, L, M, WC), Sudan, Swaziland, Tanzania, Togo, Uganda
<i>kenyanum</i> Séguy, 1938 [Kenya]	
<i>henrardi</i> Gibbins, 1941 [Democratic Republic of Congo]	
<i>hendardi</i> : incorrect subsequent spelling	
<b>allaeri</b> Wanson, 1947 .....	Democratic Republic of Congo
<b>bayakorum</b> Fain & Elsen, 1974 .....	Democratic Republic of Congo
<b>coalitum</b> Pomeroy, 1922 .....	Nigeria; Cameroon, Democratic Republic of Congo, Ghana, Ivory Coast, Togo
<b>djallonense</b> Roubaud & Grenier, 1943 .....	Guinea; Benin, Burkina Faso, Cameroon, Ghana, Guinea-Bissau, Ivory Coast, Liberia, Mali, Nigeria, Sierra Leone
<b>duodecimum</b> Gibbins, 1936 .....	Uganda; Cameroon, Democratic Republic of Congo, Kenya, Sudan
<b>evillense</b> Fain, Hallot & Bafort, 1966 .....	Democratic Republic of Congo (Katanga); Botswana, Burkina Faso, Ivory Coast, Mali, Nigeria, Tanzania, Zambia
‘A’ Hallot, Fain, Bafort & Lips, 1965 ( <i>Simulium</i> )	
[ <i>merops</i> : authors, not De Meillon]	
<b>garmsi</b> Crosskey, 1969 (subst. name, for <i>occidentale</i> ) .....	Nigeria; Benin, Burkina Faso, Cameroon, Democratic Republic of Congo, Equatorial Guinea (Bioko), Ghana, Guinea, Guinea-Bissau, Ivory Coast, Liberia, Sierra Leone, Togo, South Africa (?), Tanzania (?)
<i>violaceum</i> Pomeroy, 1922 (preocc.)	
<i>occidentale</i> Freeman & De Meillon, 1953 (subst. name, preocc., for <i>violaceum</i> )	
<b>geigy</b> Garms & Häusermann, 1968 .....	Tanzania; Ethiopia
<b>gilleti</b> Fain & Hallot, 1964 .....	Democratic Republic of Congo
<b>hisseteum</b> Gibbins, 1936 .....	Democratic Republic of Congo; Cameroon, Kenya
<i>vargasi</i> Grenier & Rageau, 1949 [Cameroon]	
<i>hisseteum</i> , <i>hissetum</i> : incorrect subsequent spellings	
<b>impukane</b> De Meillon, 1936 .....	South Africa (KwaZulu Natal, EC, FS, G, L, M, NC, NW, WC); Angola, Benin, Cameroon, Democratic Republic of Congo, Ethiopia, Guinea, Lesotho, Malawi, Mozambique, Nigeria, Sierra Leone, Sudan, Swaziland, Tanzania
<i>impucane</i> : incorrect subsequent spelling	
<b>ituriense</b> Fain, 1951 .....	Democratic Republic of Congo
<b>johannae</b> Wanson, 1947 .....	Democratic Republic of Congo; Benin, Cameroon, Ethiopia, Ivory Coast, Kenya, Liberia, Nigeria, Rwanda, Zambia, Tanzania (?)
<i>roubaudi</i> Grenier & Rageau, 1949 [Cameroon]	
<i>jadini</i> Fain, 1950 [Rwanda]	
<i>akanyaruense</i> Fain, 1950 [Rwanda]	
<i>novemcornutum</i> Fain & Elsen, 1980 (ssp.) [Democratic Republic of Congo]	
<b>liberiense</b> Garms, 1973 .....	Liberia; Ivory Coast
<b>mayumbense</b> Fain & Elsen, 1973 .....	Democratic Republic of Congo
<b>merops</b> De Meillon, 1950 .....	South Africa (Western Cape, EC). [Other records erroneous]
<b>multiclavulatum</b> Fain, Elsen & Dujardin, 1989 .....	Democratic Republic of Congo
<b>nyaense</b> Gouteux, 1977 .....	Democratic Republic of Congo
<b>oguamai</b> Lewis & Disney, 1972 .....	Cameroon; Democratic Republic of Congo
<b>rodhaini</b> Fain, 1950 .....	Rwanda
<b>santomi</b> Mustapha, 2004 [ <i>in</i> Mustapha, Jarvis & Post] .....	São Tomé and Príncipe (São Tomé)
<b>schwetz</b> Wanson, 1947 .....	Democratic Republic of Congo
<i>sextumdecimum</i> Luna de Carvalho, 1962 (unav., form post-1960) .....	Angola
<b>tentaculum</b> Gibbins, 1936 .....	Uganda; Democratic Republic of Congo, Ethiopia, Kenya, Malawi, Sudan, Tanzania, South Africa (?)
<b>weyeri</b> Garms & Häusermann, 1968 .....	Tanzania; Ethiopia

CERVICORNUTUM species-group

<b>aureliani</b> Fain, 1950 .....	Rwanda
<b>blacklocki</b> De Meillon, 1930 .....	Sierra Leone; Liberia
<b>borunicornutum</b> Pilaka & Elouard, 1999 .....	Madagascar
<b>cervicornutum</b> Pomeroy, 1920 .....	Cameroon; Angola, Benin, Burkina Faso, Burundi, Central African Republic, Democratic Republic of Congo, Equatorial Guinea (Bioko), Ethiopia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Liberia, Malawi, Mozambique, Nigeria, Rwanda, Sierra Leone, South Africa (EC, FS, KZN, L, M), Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia
‘Gibbins’ Mustapha, McCall, Cheke & Post, 2006 (morphoform)	
‘Pomeroy’ Mustapha, McCall, Cheke & Post, 2006 (morphoform)	
<b>grenieri</b> Pilaka & Elouard, 1999 .....	Madagascar
<b>leberrei</b> Grenier, Germain & Mouchet, 1966 [1965] .....	Cameroon
<b>palmeri</b> Pomeroy, 1922 .....	Nigeria; Cameroon, Democratic Republic of Congo
‘Moliba’ Lewis & Disney, 1972 (morphoform) .....	Cameroon
<b>pauliani</b> Grenier & Doucet, 1949 .....	Madagascar
<b>phluktainae</b> Elouard & Pilaka, 1999 [ <i>in</i> Pilaka & Elouard] .....	Madagascar
<b>quilleverei</b> Pilaka & Elouard, 1999 .....	Madagascar
<b>rotundum</b> Gibbins, 1936 .....	Uganda; Angola, Burundi, Democratic Republic of Congo, Kenya, Malawi, Lesotho, Mozambique, Rwanda, South Africa (EC, FS, G, KZN, M, WC), Sudan, Swaziland, Tanzania
<b>tandrokum</b> Elouard & Pilaka, 1999 [ <i>in</i> Pilaka & Elouard] .....	Madagascar
<b>unicornutum</b> Pomeroy, 1920 .....	Cameroon; Angola, Benin, Burkina Faso, Burundi, Central African Republic, Democratic Republic of Congo, Ethiopia, Ghana, Guinea, Guinea-Bissau, Ivory Coast, Kenya, Lesotho, Liberia, Madagascar, Malawi, Mali, Mozambique, Nigeria, Sierra Leone, South Africa (EC, FS, KZN, L, M, WC), Tanzania, Togo, Uganda
<i>monoceros</i> Roubaud & Grenier, 1943 [Guinea]	
<i>wolfsi</i> Wanson & Henrard, 1944 [Democratic Republic of Congo]	
<i>bertrandi</i> Luna de Carvalho, 1962 (unav., form post-1960 and preocc.) [Angola]	
‘Palmeri’ Mustapha <i>et al.</i> , 2006 (morphoform) [uncharacterized]	
<b>vangilsi</b> Wanson, 1947 .....	Democratic Republic of Congo

KENYAE species-group

<b>kenyae</b> De Meillon, 1940 .....	Kenya; Cameroon, Democratic Republic of Congo, Guinea, Ivory Coast, Liberia, Nigeria, Rwanda, Sierra Leone, Sudan, Uganda
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SCHOUTEDENI species-group

<b>audreyae</b> Garms & Disney, 1974 .....	Cameroon
<i>audreyae</i> : incorrect original spelling (alternative)	
<b>awashense</b> Uemoto, Ogata & Mebrahtu, 1977 .....	Ethiopia; Botswana
<b>bequaerti</b> Gibbins, 1936 .....	Democratic Republic of Congo (Katanga); Angola, Kenya, Lesotho, South Africa (EC, FS, KZN, L, M), Swaziland, Zimbabwe
<i>phoroniforme</i> De Meillon, 1937 [South Africa (KwaZulu Natal)]	
<i>becquaerti</i> : incorrect subsequent spelling	
<b>harrisoni</b> Freeman & De Meillon, 1953 .....	South Africa (Western Cape); Zambia
<b>mcmahoni</b> De Meillon, 1940 .....	Kenya; Angola, Botswana, Congo, Democratic Republic of Congo, Ethiopia, Malawi, Mali, Mozambique, Nigeria, Rwanda, South Africa (EC, FS, G, L, M, NC, NW), Sudan, Swaziland, Tanzania, Uganda, Zambia
<i>altipartitum</i> Roubaud & Grenier, 1943 [Congo]	
‘Tanzania’ Garms & Disney, 1974 (morphoform)	
<i>macmahoni</i> , <i>momahoni</i> : incorrect subsequent spellings	
<b>schoutedeni</b> Wanson, 1947 .....	Democratic Republic of Congo; Angola, Benin, Burkina Faso, Cameroon, Ghana, Guinea, Ivory Coast, Liberia, Nigeria, Sudan, Tanzania, Togo
‘B’ Hallot, Fain, Bafort & Lips, 1965 ( <i>Simulium</i> ) .....	Democratic Republic of Congo

*Pomeroyellum* species unplaced to group

‘a’ Williams & Hynes, 1971 ( <i>Simulium</i> ) .....	Uganda
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'Ethiopian A' Uemoto, Ogata & Mebrahtu, 1976 ( <i>Simulium</i> sp.) .....	Ethiopia
'Ethiopian B' Uemoto, Ogata & Mebrahtu, 1976 ( <i>Simulium</i> sp.) .....	Ethiopia
'Ethiopian C' Uemoto, Ogata & Mebrahtu, 1976 ( <i>Simulium</i> sp.) .....	Ethiopia

### Subgenus PSARONIOCOMPSA Enderlein

**PSARONIOCOMPSA** Enderlein, 1934 (as genus). Type species: *incrustatum*, as *opalinifrons* (original designation)  
*PLIODASINA* Enderlein, 1936 (as genus). Type species: *guttatum* (original designation)  
*CERQUEIRELLUM* Py-Daniel, 1983 (as subgenus of *Simulium*). Type species: *amazonicum* (original designation)  
*COSCARONIELLUM* Py-Daniel, 1983 (as subgenus of *Simulium*). Type species: *quadrifidum* (original designation)  
*SHELLEYELLUM* Py-Daniel & Pessoa, 2005 (as genus) (unav., no designated type species)  
*SHELLEYELLUM* Py-Daniel & Pessoa, 2006 (as genus). Type species: *siolii* (original designation)

#### AMAZONICUM species-group\*

<b>amazonicum</b> Goeldi, 1905 [ICZN List] .....	Brazil (Amazonas [neotype designated ICZN Opinion 1341], Acre, Ror); Colombia, Venezuela
<i>amazonense</i> Lutz, 1917, 1922 (unav., typographical error for <i>amazonicum</i> , vide Pinto, 1932 [1931])	
<i>tallaferroae</i> Ramírez-Pérez, 1971 [Venezuela]	
'R. Ituxi' Shelley, Hernández, Maia-Herzog, Luna Dias & Luz, 2006 (morphoform) .....	Brazil (Amz)
'R. Mari' Shelley, Hernández, Maia-Herzog, Luna Dias & Luz, 2006 (morphoform) .....	Brazil (Amz)
<i>tallaferroae</i> : incorrect subsequent spelling	
<b>argentiscutum</b> Shelley & Luna Dias, 1980 .....	Brazil (Rondônia, Acre, Amz, Bahía); Bolivia, Colombia, Peru (Ucayali)
'sp. n.' Shelley, Luna Dias & Moraes, 1980 ( <i>Simulium</i> )	
'E' Tidwell <i>et al.</i> , 1981 (morphoform)	
'Madeira' Shelley, Pinger & Moraes, 1982 ( <i>Simulium</i> sp.)	
[ <i>amazonicum</i> : Cerqueira, 1959, not Goeldi]	
<b>chaquense</b> Coscarón, 1971 .....	Argentina (Chaco, BA, Cos, For, Salta, SDE, SF, Tuc)
<b>cuneatum</b> (Enderlein, 1936) .....	Paraguay; Argentina (Chaco, Cos, ER, For, Mis, SDE, SF)
<b>ganalesense</b> Vargas, Martínez Palacios & Díaz Nájera, 1946 .....	Mexico (San Luis Potosi, Mo, Tb); Belize, Honduras
'Belize' Shelley, Hernández & Penn, 2002 (morphoform)	
<b>oyapockense</b> Floch & Abonnenc, 1946 (complex) .....	French Guiana; Argentina (Salta, SDE, Tuc), Bolivia, Brazil (Amapá, Amz, MG, MGr, MGrS, Pará, Paraná, RGS, Ron, Ror, SP, Toc), Colombia, Ecuador, Guyana, Paraguay, Uruguay, Venezuela
<i>pseudosanguineum</i> Ramírez-Pérez & Peterson, 1981 [Venezuela]	
<i>pseudoamazonicum</i> Ramírez-Pérez & Peterson, 1981 [Venezuela]	
<i>cuasisanguineum</i> Ramírez-Pérez, Yarzabal & Peterson, 1982 [Venezuela]	
<i>sanchezi</i> Ramírez-Pérez, Yarzabal & Peterson, 1982 [Venezuela]	
'A' Tidwell <i>et al.</i> , 1981 (morphoform) .....	Bolivia, Brazil, Colombia, Guyana, Venezuela
'B' Tidwell <i>et al.</i> , 1981 (morphoform) .....	Venezuela
'C' Tidwell <i>et al.</i> , 1981 (morphoform) .....	Venezuela
'Barbacoas' Shelley, Pinger & Moraes, 1982 ( <i>Simulium</i> sp.) .....	Venezuela
'Bem Querer' Shelley <i>et al.</i> , 1988 (cytoform, uncharacterized) .....	Brazil (Roraima)
[ <i>amazonicum</i> : authors, not Goeldi]	
[ <i>haematopotum</i> : Smart, 1940, not Malloch]	
[ <i>minusculum</i> : authors, not Lutz]	
<b>pydanieli</b> (Pessoa, Medeiros & Barbosa, 2008) .....	Brazil (Amazonas)
<b>quadririgatum</b> Enderlein, 1934 [1933] .....	Brazil (Paraná); Paraguay
<b>roramense</b> Nunes de Mello, 1974 (complex) .....	Brazil (Roraima); Argentina (Chaco, Cos), Ecuador, Venezuela
'Manabi' Procunier, Shelley & Arzube, 1987 ( <i>oyapockense</i> cytoform) .....	Ecuador
'Argentina' Shelley, Hernández, Maia-Herzog, Luna Dias & Luz, 2006 (morphoform) .....	Argentina (Chaco, Cos)
<b>sanguineum</b> Knab, 1915 .....	Colombia; Panama
<b>venezuelense</b> Ramírez-Pérez & Peterson, 1981 .....	Venezuela; Brazil (Amapá, Toc)



AURISTRIATUM species-group

<b>anamariae</b> Vulcano, 1962 .....	Brazil (São Paulo, Acre, RGS, RJ)
<b>auristriatum</b> Lutz, 1910 .....	Brazil (Minas Gerais, Acre, MGr, MGrS, RJ, SP)
<i>infuscatum</i> Lutz, 1910 (preocc.) [Brazil (Rio de Janeiro/São Paulo)]	
<b>brevifurcatum</b> Lutz, 1910 .....	Brazil (São Paulo, Par, RGS, RJ); Argentina (Mis)
<b>schmidtummi</b> Wygodzinsky, 1973 .....	Colombia
<b>stellatum</b> Gil-Azevedo, Figueiró & Maia-Herzog, 2005 .....	Brazil (Minas Gerais, RJ, SP)

INCRUSTATUM species-group

<b>angrense</b> Pinto, 1932 [1931] .....	Brazil (Rio de Janeiro, MG, RGS, SC, SP)
<b>fuliginis</b> Field, 1969 .....	Panama
<b>incrustatum</b> Lutz, 1910 (complex) .....	Brazil (Minas Gerais, Amapá, Bahia, BFD, Ceará, ES, Goiás, MGr, MGrS, Par, Pba, Per, RGN, RGS, RJ, Ror, SC, SP, Toc); Argentina (Cos, Mis), Colombia, Ecuador, Panama, Paraguay, Trinidad, Venezuela. [‘Guyana’ error]
<i>aequifurcatum</i> Lutz, 1910 [Brazil (? state)]	
<i>opalinifrons</i> (Enderlein, 1934) [Paraguay]	
<i>yarzabali</i> Ramírez-Pérez, 1980 [Venezuela]	
<b>jujuyense</b> Paterson & Shannon, 1927 .....	Argentina (Jujuy, BA, Chaco, Cór, Cos, ER, For, LP, LR, Men, Mis, RN, Salta, SF, SJ, Tuc); Bolivia, Brazil (Bahía, BFD, Goiás, MG, MGr, MGrS, Par, RGS, RJ, SC, SP, Toc), Colombia, Ecuador, Paraguay, Uruguay
<i>auripellitum</i> Enderlein, 1934 [1933] [Paraguay]	
<i>mendozanum</i> (Enderlein, 1936) [Argentina (Mendoza)]	
<i>guttatum</i> (Enderlein, 1936) [Paraguay]	
<i>bonaerense</i> Coscarón & Wygodzinsky, 1984 [Argentina (Buenos Aires)]	
<i>minuanum</i> Strieder & Coscarón, 2000 [Brazil (Rio Grande do Sul)]	
<i>jujugense</i> : incorrect subsequent spelling	
<b>limbatum</b> Knab, 1915 .....	Guyana; Brazil (Amapá, Bahía, ES, MGr, Pará, Pba, Per, RJ, Ror, SP), Venezuela
<i>machadoi</i> Ramírez-Pérez, 1971 (preocc.) [Venezuela]	
<i>meruoca</i> Nunes de Mello, Barbosa de Almeida & Dellome Filho, 1973 [Brazil (Roraima)]	
<i>machadoallisoni</i> Vulcano, 1981 (subst. name)	
[ <i>aequifurcatum</i> : Coscarón & Wygodzinsky, 1984 / Coscarón, 1987, 1991 / Coscarón <i>et al.</i> , 1992, not Lutz]	
[ <i>incrustatum</i> : authors (Guyana), not Lutz]	

QUADRIFIDUM species-group

<b>cauchense</b> Floch & Abonnenc, 1946 .....	French Guiana; Brazil (Amapá, Amz, Pará, Ror), Guyana, Venezuela
<i>sextobecium</i> Nunes de Mello, 1974 [Brazil (Roraima)]	
<i>rangeli</i> Ramírez-Pérez, Rassi & Ramírez, 1977 [Venezuela]	
‘4-A2’ Dellome Filho, 1978 (thesis) ( <i>Simulium</i> , part)	
<b>cerradense</b> Coscarón, Cerqueira, Schumaker & La Salvia, 1992 .....	Brazil (Bahía)
‘A’ Coscarón, 1991 ( <i>Simulium</i> ( <i>Coscaroniellum</i> ) sp.)	
<b>daltanhani</b> Hamada & Adler, 1998 .....	Brazil (Amazonas)
‘C’ Hamada, 1997 (thesis) ( <i>Simulium</i> )	
<b>goeldii</b> Cerqueira & Nunes de Mello, 1967 .....	Brazil (Amazonas, Amapá, Pará, Ron, Ror); French Guiana, Venezuela
<i>scorzai</i> Ramírez-Pérez, 1980 [Venezuela]	
‘8-C1’ Dellome Filho, 1978 (thesis) ( <i>Simulium</i> )	
<i>goeldi</i> : incorrect subsequent spelling	
<b>quadrifidum</b> Lutz, 1917 .....	Brazil (Rondônia, Amapá, Amz, Pará, Ror); Bolivia, Colombia, Ecuador, French Guiana, Guyana, Suriname, Venezuela
<i>torrealbai</i> Ramírez-Pérez, 1980 [Venezuela]	
<b>rassii</b> Ramírez-Pérez, 1980 .....	Venezuela
<i>rassi</i> , <i>rassii</i> : incorrect subsequent spellings	
<b>ulyssesi</b> (Py-Daniel & Coscarón, 2001) .....	Brazil (Amazonas)
‘6-B1’ Dellome Filho, 1978 (thesis) ( <i>Simulium</i> )	
‘A’ Hamada, 1997 (thesis) ( <i>Simulium</i> ) .....	Brazil (Amazonas)

SIOLII species-group

<b>damascenoi</b> Py-Daniel, 1988 .....	Brazil (Amapá)
<b>guaporense</b> Py-Daniel, 1989 .....	Brazil (Rondônia, MGr)
[ <i>siolii</i> : Py-Daniel, 1988 (part)]	
<b>siolii</b> Py-Daniel, 1988 .....	Brazil (Matto Grosso, Amapá, Goiás, Mar, MGrS, Ron, Toc)
<i>lourencoi</i> Py-Daniel, 1988 [Brazil (Goiás)]	
<b>tergospinosum</b> Hamada, 2000 .....	Brazil (Amazonas)

*Psaroniocompsa* species unplaced to group

<b>catarinense</b> Pinto, 1932 [1931] .....	Brazil (Santa Catarina)
<b>delponteianum</b> Wygodzinsky, 1961 .....	Argentina (Buenos Aires, Cos, ER); Brazil (RGS), Uruguay
<i>delpontelanum</i> : incorrect original spelling	
<b>lutzi</b> Knab, 1913 (subst. name, for <i>exiguum</i> ) .....	Brazil (São Paulo, MG)
<i>exiguum</i> Lutz, 1909 (preocc.)	
<i>minutum</i> Surcouf & Gonzalez-Rincones, 1911 (subst. name, preocc., for <i>exiguum</i> )	
<i>lutzi</i> Malloch, 1914 (subst. name, preocc., for <i>minutum</i> )	
<b>minuscolum</b> Lutz, 1910 .....	Brazil (Minas Gerais, Amz, Bahía, Goiás, Mar, MGr, Pará, Piauí, RGS, Ron, Ror, SC, SP, Toc); Argentina (Cos, Jujuy, Mís, Salta), Guyana, Venezuela
‘D’ Tidwell <i>et al.</i> , 1981 (morphoform)	
[ <i>amazonicum</i> : Lutz, 1917, not Goeldi]	
<b>varians</b> Lutz, 1909 .....	Brazil (São Paulo)

**Subgenus PSILOPELMIA Enderlein**

**PSILOPELMIA** Enderlein, 1934 [1933] (as genus). Type species: *escomeli*, as *rufidorsum* (original designation)  
*LANEA* Vargas, Martínez Palacios & Díaz Nájera, 1946 (as subgenus of *Simulium*). Type species: *haematopotum* (original designation)

BLANCASI species-group

<b>blancasi</b> Wygodzinsky & Coscarón, 1970 .....	Peru (Lima); Chile (Ant, Tar)
<b>penai</b> Wygodzinsky & Coscarón, 1970 .....	Chile (Antofagasta, Tar)
<b>tenuipes</b> Knab, 1914 .....	Chile (Tarapacá, Ant); Peru (Tacna)

DINELLII species-group

<b>dinellii</b> (Joan, 1912) .....	Argentina (Tucumán, Cat, Jujuy, LR, Salta, SDE); Bolivia, Brazil (MG, Pará, RGS, SC, SP), Colombia, Ecuador, Peru (Apurímac, ‘Rio Charape’), Venezuela
? <i>flavipictum</i> Knab, 1914 [Peru (‘Rio Charape’)]	
<i>miniatum</i> (Enderlein, 1934) [1933] (1) [Bolivia]	
<i>miniatum</i> (Enderlein, 1934) (2) (preocc.) [Colombia]	
<i>martinezi</i> Vargas, 1943 (subst. name, for <i>miniatum</i> (2))	
<i>dinelli</i> : incorrect subsequent spelling	
<i>flavopictum</i> : incorrect subsequent spelling	
[ <i>ochraceum</i> : Lane & Porto, 1939 / Lane & Vulcano, 1943, not Walker]	
<b>nuneztovari</b> Ramírez-Pérez, Rassi & Ramírez, 1977 .....	Venezuela
<b>ochraceum</b> Walker, 1861 (complex) .....	Mexico (Chiapas, Ox, Vz); Belize, Brazil (Amz, RJ, Ror, SP), Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador (incl. Galapagos Islands (San Cristobal)), French Guiana, Guadeloupe, Guatemala, Jamaica, Montserrat, Panama, Peru (Cuzco, Huá), Puerto Rico, Trinidad, Venezuela, Virgin Islands (Saint Croix), Dominica (?)
<i>bipunctatum</i> Malloch, 1912 [Peru (‘Rio Charape’)]	
<i>antillarum</i> Jennings, 1915 [Virgin Islands (Saint Croix)]*	
<i>scutellatum</i> Lane & Porto, 1940 [ <i>in</i> Porto] [Colombia]	
<i>wolcottii</i> Fox, 1953 [Puerto Rico]	
<i>pseudantillarum</i> Ramírez-Pérez & Vulcano, 1973 [Venezuela]	
‘D’ Lewis, 1963 ( <i>Simulium</i> sp.)	
‘A’ Hirai & Uemoto, 1983 (cytoform) .....	Guatemala, Mexico (Ch)
‘B’ Hirai & Uemoto, 1983 (cytoform) .....	Mexico (Ch)
‘C’ Hirai & Uemoto, 1983 (cytoform) .....	Guatemala, Mexico (Ch)

*ochraceum*, *ocraccum*, *onchraceum*: incorrect subsequent spellings  
**shewellianum** Coscarón, 1985 ..... Ecuador; Brazil (SP), Colombia

ESCOMELI species-group

<b>bivittatum</b> Malloch, 1914 .....	USA (New Mexico, Ari, Col, Idaho, Mon, Neb, Ore, SD, Texas, Utah, Was, Wyo); Canada (Alb, Sask), Mexico (Ca, Cl, SLP, Ta, Vz, Za)
<i>idahoense</i> Twinn, 1938 [USA (Idaho)]	
‘A’ Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)	
‘B’ Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)	
<b>bobpetersoni</b> Coscarón, Ibáñez-Bernal & Coscarón-Arias, 1996 .....	Mexico (Jalisco, Ag, Ca, Ch, Cl, Co, Du, Gj, Gu, Mi, Mo, NL, Ox, Pu, SLP, Ta, Vz); Guatemala
[ <i>trivittatum</i> : authors (Guatemala, Mexico), not Malloch]	
<b>callidum</b> (Dyar & Shannon, 1927) .....	Mexico (Veracruz, Ch, Co, Gu, Hi, Ju, Mi, Mo, MS, Ox, Pu, SLP); Belize, Costa Rica, El Salvador, Guatemala, Panama, Colombia (?), Venezuela (?)
<i>mooseri</i> (Dampf, 1927) [Mexico (Oaxaca)]	
<i>rufidorsum</i> (Enderlein, 1936) (preocc.) [Costa Rica]	
<i>costaricense</i> Smart, 1944 (subst. name)	
<i>costarricense</i> Vargas, 1945 (subst. name, as <i>costarricense</i> )	
[ <i>ochraceum</i> : Malloch, 1914, not Walker]	
<b>clarum</b> (Dyar & Shannon, 1927) .....	USA (California)
<i>clarium</i> : incorrect spelling (Fig. 52 caption in original description)	
[ <i>bivittatum</i> : authors (California), not Malloch]	
[ <i>trivittatum</i> : authors (California), not Malloch]	
<b>dandrettai</b> Vargas, Martínez Palacios & Díaz Nájera, 1946 .....	Mexico (Mexico State, FD, Ox, Vz)
‘near <i>dandrettai</i> ’ Coscarón <i>et al.</i> , 1996 ( <i>Simulium</i> sp.)*	
<b>downsi</b> Vargas, Martínez Palacios & Díaz Nájera, 1946 .....	Mexico (Chiapas, Ox); El Salvador, Guatemala, Nicaragua, Venezuela
[ <i>ochraceum</i> : Hoffmann, 1931, not Walker]	
<b>dugesi</b> Vargas, Martínez Palacios & Díaz Nájera, 1946 .....	Mexico (Tamaulipas, NL, SLP); Guatemala
<b>escomeli</b> Roubaud, 1909 .....	Peru (Arequipa, Anc, Lima, Tacna); Chile (Tar), Colombia, Ecuador
<i>rufidorsum</i> (Enderlein, 1934) [1933] [Peru (‘Hoch-Peru’)]	
[ <i>samboni</i> : Dampf, 1943, not Jennings]	
<b>gonzalezherrejoni</b> Díaz Nájera, 1969 .....	Mexico (Zacatecas, Ag)
<i>jerezense</i> Díaz Nájera, 1969 [Mexico (Zacatecas)]	
<i>letrasense</i> Díaz Nájera, 1969 [Mexico (Aguascalientes)]	
<i>netтели</i> Díaz Nájera, 1969 [Mexico (Aguascalientes)]	
<i>olimpicum</i> Díaz Nájera, 1969 [Mexico (Aguascalientes)]	
<i>vulcanoae</i> Díaz Nájera, 1969 [Mexico (Aguascalientes)]	
<i>olympicus</i> : incorrect subsequent spelling	
<b>griseum</b> Coquillett, 1898 .....	USA (Colorado, Cal, Mon, Neb, Nev, NM, SD, Utah, Wyo); Canada (Alb, Sask)
‘undet.’ Cameron, 1922 ( <i>Simulium</i> sp.)	
<i>grisem</i> : incorrect subsequent spelling	
<b>haematopotum</b> Malloch, 1914 .....	Mexico (Veracruz, Ch, Co, Gu, Ja, Mi, Mo, Na, Ox, Pu, Si, Tb); Belize, Colombia, Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Honduras, Nicaragua, Panama, Puerto Rico, Suriname, Venezuela. [‘Guyana’ error]
<i>pseudohaematopotum</i> Hoffmann, 1930 [Mexico (Chiapas)]	
<i>marathrumi</i> Fairchild, 1940 [Panama]	
<i>boydi</i> De León, 1945 [Guatemala]	
<b>iracouboense</b> Floch & Abonnenc, 1946 .....	French Guiana; Brazil (Amapá, Amz, Pará, Ror), Suriname, Venezuela
<i>sucamense</i> Nunes de Mello, 1974 [Brazil (Roraima)]	
<i>santaelenae</i> Ramírez-Pérez & Peterson, 1981 [Venezuela]	
<b>jacobsi</b> Dalmat, 1953 .....	Guatemala
<b>labellei</b> Peterson, 1993 .....	USA (Texas); Mexico [no locality]
<b>longithallum</b> Díaz Nájera & Vulcano, 1962 [1961] .....	Mexico (Morelos, Ja); USA (Ari)
<b>mangabeirai</b> Vargas, 1945 .....	Mexico (Mexico State, FD, Mi, Mo, Vz); Panama
<b>mediovittatum</b> Knab, 1915 .....	USA (Texas); Mexico (Ca, Cl, SLP, Ta, Vz)
<i>meddiovittatum</i> : incorrect subsequent spelling	
<b>meyerae</b> Moulton & Adler, 2002 .....	USA (New Mexico)
<b>notatum</b> Adams, 1904 .....	USA (Arizona). [Other state records error]
<b>ochoai</b> Vargas, Martínez Palacios & Díaz Nájera, 1946 .....	Mexico (Veracruz)
<b>panamense</b> Fairchild, 1940 .....	Panama; Costa Rica
<b>pseudocallidum</b> Díaz Nájera, 1965 .....	Mexico (Mexico State, Ch, Ox); Costa Rica
<b>robynae</b> Peterson, 1993 .....	USA (Texas, NM)

‘1’ Jones, Hayes, Potter & Franczy, 1977 ( <i>Simulium</i> sp.) [ <i>notatum</i> (part): authors, not Adams]	
<b>samboni</b> Jennings, 1915 .....	Panama; Belize, Colombia, Costa Rica, El Salvador,
<i>colvini</i> Dalmat, 1952 [Guatemala]	Guatemala, Honduras, Mexico (Ch, Ox, Tb, Vz),
‘E’ Lewis, 1963 ( <i>Simulium</i> sp.)	Nicaragua, Trinidad, Venezuela
<b>travisi</b> Vargas, Vargas & Ramírez-Pérez, 1993 .....	Costa Rica
<b>trivittatum</b> Malloch, 1914 .....	Mexico (Tamaulipas, Cl); Guatemala, USA (Okla, Texas)
<i>distinctum</i> Malloch, 1913 (preocc.) [USA (Texas)]	
<i>mazzottii</i> Díaz Nájera, 1981 [1979] [Mexico (Coahuila)]	
<b>venator</b> Dyar & Shannon, 1927 .....	USA (Nevada, Cal, Idaho, Mon, Ore, Utah, Was, Wyo)
<i>beameri</i> Stains & Knowlton, 1943 [USA (California)]	
[ <i>mediovittatum</i> : authors (other than Texas), not Knab]	
<b>veracruzianum</b> Vargas, Martínez Palacios & Díaz Nájera, 1946 .....	Mexico (Veracruz, Ca, Ch, Cl, Du, Ja, Mi, Mo, MS, Na,
<i>veracruzianum</i> : incorrect subsequent spelling	Ox); Belize, Guatemala
<b>zempoalense</b> Vargas, Martínez Palacios & Díaz Nájera, 1946 .....	Mexico (Morelos, Du, MS, Ox, Vz)

#### PERFLAVUM species-group

<b>ignacioi</b> Ramírez-Pérez & Vulcano, 1973 .....	Venezuela
<b>kabanayense</b> Ramírez-Pérez & Vulcano, 1973.....	Venezuela; Brazil (Ror), Guyana
<i>kavanayense</i> : incorrect subsequent spelling	
<b>maroniense</b> Floch & Abonnenc, 1946 (complex) .....	French Guiana; Brazil (Amapá, Amz, Pará, Ror),
	Venezuela
‘A’ Hamada & Adler, 1999 (cytoform) .....	Brazil (Ror)
‘B’ Hamada & Adler, 1999 (cytoform) .....	Brazil (Ror)
‘C’ Hamada & Adler, 1999 (cytoform) .....	Brazil (Amapá, Pará)
‘D’ Hamada & Adler, 1999 (cytoform) .....	Brazil (Amz)
<i>marionense</i> : incorrect subsequent spelling	
[ <i>rubrithorax</i> : Smart, 1940, not Lutz]	
<b>perflavum</b> Roubaud, 1906 .....	Brazil (São Paulo, Acre, Amapá, Amz, Bahía, Ceará, ES,
<i>antunesi</i> Lane & Porto, 1940 [Brazil (Bahía)]	Goiás, MG, MGr, Par, Pará, Per, RGS, RJ, Ron, Ror,
<i>mauense</i> Nunes de Mello, 1974 [Brazil (Roraima)]	SC); Argentina (Cos, For, Mis), Guyana, Paraguay,
<i>antenusi</i> : incorrect subsequent spelling	Venezuela
<b>rorotaense</b> Floch & Abonnenc, 1946 .....	French Guiana; Brazil (Amz, MGr, Pará), Colombia,
<i>wuayaraka</i> Ortiz, 1957 [Venezuela]	Guyana, Venezuela
<i>fulvinotum</i> Cerqueira & Nunes de Mello, 1967 [ <i>in</i> Cerqueira]	
[Brazil (Amazonas)]*	
‘18-D’ Dellome Filho, 1978 (thesis) ( <i>Simulium</i> )	
<i>wayaraka</i> : incorrect subsequent spelling	
<b>suarezi</b> Ramírez-Pérez, Rassi & Ramírez, 1977 .....	Venezuela; Brazil (Roraima)
<b>trombetense</b> Hamada, Py-Daniel & Adler, 1999 [1998]	
[ <i>in</i> Hamada & Adler] .....	Brazil (Amazonas, Amapá, Pará, Ror); French Guiana,
‘X’ Hamada, Adler & McCreddie, 1996 ( <i>Simulium</i> sp.)	Venezuela

#### QUADRIVITTATUM species-group

<b>quadrivittatum</b> Loew, 1862 .....	Cuba; Belize, Colombia, Costa Rica, Dominican
<i>mallochi</i> (Enderlein, 1925) [Costa Rica]	Republic, Ecuador, Guatemala, Jamaica, Mexico (Ch,
<i>fairchildi</i> Vargas, 1942 [Panama]	Cp, Ox, Pu, Vz), Nicaragua, Panama, Puerto Rico,
<i>benjamini</i> Dalmat, 1952 [Guatemala]	Venezuela
<i>fairchildi</i> : incorrect subsequent spelling	
[ <i>haematopotum</i> : Fairchild, 1940, not Malloch]	
[ <i>metallicum</i> : Malloch, 1914, not Bellardi]	

#### ROMANAI species-group

<b>albanense</b> Coscarón, 1990 .....	Colombia
<b>gabaldoni</b> Ramírez-Pérez, 1971 .....	Venezuela; Colombia
‘B’ Lewis, 1963 ( <i>Simulium</i> sp.)	

<b>lutzianum</b> Pinto, 1932 [1931] (complex) .....	Venezuela; Argentina (Mis), Bolivia, Brazil (Goiás, Par, RGS, Ror, SC), Colombia, Costa Rica, Ecuador, Guyana, Panama, Peru (Cuzco, Huá, Junín)
<i>lewisi</i> Ramírez-Pérez, 1971 [Venezuela]	
<i>alirioi</i> Ramírez-Pérez & Vulcano, 1973 [Venezuela]	
<i>iguazuense</i> Coscarón, 1976 [Argentina (Misiones)]	
‘A’ Lewis, 1963 ( <i>Simulium</i> sp.)	
‘C’ Lewis, 1963 ( <i>Simulium</i> sp.)	
‘A1’ Sawyer, 1991 ( <i>lutzianum/lewisi</i> cytoform) .....	Ecuador
‘A2’ Sawyer, 1991 ( <i>lutzianum/lewisi</i> cytoform) .....	Ecuador
‘B’ Sawyer, 1991 ( <i>lutzianum/lewisi</i> cytoform) .....	Ecuador
‘C’ Sawyer, 1991 ( <i>lutzianum/lewisi</i> cytoform) .....	Ecuador
<b>mayuchuspi</b> Coscarón, 1990 .....	Peru (Junín); Ecuador
<b>romanai</b> Wygodzinsky, 1951 (complex) .....	Argentina (Tucumán, Cat, Cór, Jujuy, LR, Salta, SJ);
<i>adolfolutzi</i> Wygodzinsky, 1951 [Argentina (Tucumán)]	Bolivia, Colombia, Ecuador, Peru (Junín), Venezuela
<b>wolffhugeli</b> (Enderlein, 1922) .....	Argentina (Tucumán, BA, Cat, Chu, Cór, Jujuy, LP, LR, Men, Nqn, RN, Salta, SC, SJ, SL); Bolivia
<i>haarupianum</i> (Enderlein, 1936) [Argentina (Mendoza)]	
<i>wolffhugeli</i> : incorrect subsequent spelling	

### Subgenus **PSILOZIA** Enderlein

**PSILOZIA** Enderlein, 1936 (as genus). Type species: *vittatum*, as *groenlandica* (original designation)

*NEOSIMULIUM* Rubtsov, 1940 (unav., *nomen nudum*)

*NEOSIMULIUM* Vargas, Martínez Palacios & Díaz Nájera, 1946 (as subgenus of *Simulium*). Type species: *vittatum* (original designation)

*PSILOSIA*: incorrect subsequent spelling

<b>argus</b> Williston, 1893 .....	USA (California, Ari, Col, Idaho, Kan, Neb, Nev, NM, Ore, Texas, Utah, Was, Wyo); Canada (BC, NWT), Mexico (FD, Mo, NL, Ox, Pu, SLP, So, Vz)
<i>obtusum</i> (Dyar & Shannon, 1927) [USA (California)]	
<i>kamloopsi</i> Hearle, 1932 [Canada (British Columbia)]	
<i>hearlei</i> Twinn, 1938 [USA (Utah)]	
<i>arguo</i> : incorrect subsequent spelling	
<i>haerlei</i> : incorrect subsequent spelling	
[ <i>trivittatum</i> : Peterson, 1993 (Arizona & New Mexico), not Malloch]	
<b>enciso</b> Vargas & Díaz Nájera, 1949 .....	Mexico (Hidalgo, Mi); USA (Ari, Cal, Idaho, Nev, NM, Texas)
<b>infernale</b> Adler, Currie & Wood, 2004 .....	USA (California)
<b>tribulatum</b> Lugger, 1897 [1896] .....	USA (Minnesota, Ala, Alaska, Ari, Ark, Cal, Col, Del, Flo, Geo, Idaho, Ill, Ind, Iowa, Kan, Ken, Lou, Maine, Mar, Mas, Mic, Misp, Misr, Mon, NC, Neb, Nev, NH, NJ, NM, NY, Ohio, Okl, Pen, SC, Ten, Texas, Utah, Vir, Was, Wis, WV, Wyo); Canada (Alb, Man, NWT, Ont, Que, Sask)
<i>glaucum</i> Coquillett, 1902 [USA (Missouri)]	
<i>venustoides</i> Hart, 1912 [ <i>in</i> Forbes] [USA (Illinois)]	
‘IIIL-1’ Rothfels & Featherston, 1981 ( <i>vittatum</i> cytoform)	
‘IIIL-2’: Sutcliffe & McIver, 1987 (lapsus for ‘IIIL-1’)	
<i>glacum</i> : incorrect subsequent spelling	
<i>venustoide</i> : incorrect subsequent spelling	
<b>vittatum</b> Zetterstedt, 1838 .....	Greenland; Canada (Alb, BC incl. Queen Charlotte Islands, Man, Nfld, Nun, NWT, PEI, Ont, Que incl. Magdalen Islands, Sask, Yukon), Faeroe Islands, Iceland, Mexico (FD, Ta), USA (Alaska, Ari, Ark, Cal, Col, Idaho, Iowa, Maine, Mar, Mic, Min, Misr, Mon, Neb, Nev, NH, NM, NY, Ohio, Ore, Pen, SC, Utah, Ver, Vir, Was, Wis, WV, Wyo)
<i>vittata</i> Zetterstedt, 1837 (unav., <i>nomen nudum</i> )	
<i>nasale</i> Gistel, 1848 / Gistel & Bromme, 1850 (unav., <i>nomen nudum</i> )	
<i>groenlandicum</i> (Enderlein, 1936) (preocc.) [Greenland]	
<i>asakakae</i> Smart, 1944 (subst. name)	
‘IS-7’ Rothfels & Featherston, 1981 (cytoform)	
‘/?’ Tang, Pruess, Cupp & Unnasch, 1996 (molecular form)	
‘Iceland’ Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)	
[ <i>dahlgruni</i> : Rubtsov & Yankovsky, 1988, not Enderlein]	

### Subgenus **PTERNASPATHA** Enderlein

**PTERNASPATHA** Enderlein, 1930 (as genus). Type species: *nigristrigatum* (original designation)

*DASYPELMOZA* Enderlein, 1934 [1933] (as genus). Type species: *annulatum*, as *varipes* (original designation)

*ACROPOGON* Enderlein, 1934 [1933] (as genus). Type species: *barbatipes* (original designation)

NEMORALE species-group

<b>albicinctum</b> (Enderlein, 1934) [1933]	Peru ('Hoch-Peru')
<b>albilineatum</b> (Enderlein, 1936)	Peru (Cuzco, Junín)
<b>annulatum</b> Philippi, 1865	Chile (Santiago, Ara, BB, LL, Maule); Argentina (Chu, Nqn, RN)
<i>varipes</i> Philippi, 1865 [Chile (Valdivia)]	
<b>barbatipes</b> (Enderlein, 1934) [1933]	Bolivia; Argentina (Jujuy, Men, Nqn, Salta, SJ, Tuc), Chile (O'H, San, Val), Peru (Cuzco, Junín, Puno)
<b>bordai</b> Coscarón & Wygodzinsky, 1972	Bolivia
<b>caprii</b> Wygodzinsky & Coscarón, 1967	Argentina (Chubut)
<b>hectorvargasi</b> Coscarón & Wygodzinsky, 1972	Chile (Tarapacá, O'H)
<i>hectorvargas</i> : incorrect subsequent spelling	
<b>herreri</b> Wygodzinsky & Coscarón, 1967	Peru (Lima)
<b>luchoi</b> Coscarón & Wygodzinsky, 1972	Chile (Tarapacá)
<b>nemorale</b> Edwards, 1931	Argentina (Rio Negro, Chu, Nqn, TDF); Chile (Aisén)
<b>philippii</b> Coscarón, 1976	Chile (O'Higgins, Tar)
<b>prodexargenteum</b> (Enderlein, 1936)	Peru ('Hoch-Peru'); Argentina (Jujuy, Salta), Bolivia
<b>quechuanum</b> Coscarón & Wygodzinsky, 1972	Chile (Tarapacá); Argentina (Jujuy, Salta, SJ)
<b>schoenemanni</b> (Enderlein, 1934) [1933]	Chile (Maule)
<b>stelliferum</b> Coscarón & Wygodzinsky, 1972	Chile (Coquimbo, Ata, O'H, San, Tar, Val); Argentina (RN)
[ <i>schoenemanni</i> : Wygodzinsky & Coscarón, 1967, not Enderlein]	
<b>yacuchuspi</b> Wygodzinsky & Coscarón, 1967	Peru (Junín)

NIGRISTRIGATUM species-group

<b>cotopaxi</b> Wygodzinsky & Coscarón, 1979	Ecuador
<i>colopaxi</i> : incorrect subsequent spelling	
<b>deagostinii</b> Coscarón & Wygodzinsky, 1962	Argentina (Tierra del Fuego, Chu, SC)
<b>diamantinum</b> Coscarón & Coscarón-Arias, 1996	Argentina (Mendoza, Nqn, SJ)
<b>dureti</b> Wygodzinsky & Coscarón, 1967	Argentina (Salta, Jujuy); Bolivia
<b>horcochuspi</b> Coscarón & Wygodzinsky, 1972	Argentina (Jujuy)
<i>horcochuspi</i> : incorrect original spelling (alternative)	
<b>limay</b> Wygodzinsky, 1958	Argentina (Neuquén, Chu, Men, RN, SC, SJ)
<i>walterwittmeri</i> Wygodzinsky, 1958 [Argentina (Neuquén)]	
<i>huemul</i> Wygodzinsky & Coscarón, 1967 [Argentina (Chubut)]	
<b>nigristrigatum</b> (Enderlein, 1930)	Argentina (Neuquén, BA, Chu, Men, RN, TDF); Chile (Mag)
<i>edwardsi</i> (Enderlein, 1934) [1933] [Argentina (Rio Negro)]	
<i>bachmanni</i> Wygodzinsky & Coscarón, 1967 [Argentina (Rio Negro)]	
<b>pichi</b> Wygodzinsky & Coscarón, 1967	Argentina (Santa Cruz, Chu)
<b>pulchrum</b> Philippi, 1865	Chile (Santiago, Ara, BB, Maule, O'H, Val)
<b>simile</b> Silva Figueroa, 1917	Chile (Santiago, BB, Coq, Tar); Argentina (Chu, Nqn, RN)
<i>punctativentre</i> (Enderlein, 1936) [Chile ('Cortoderal')]	
<i>figueroa</i> Smart, 1944 (unnecessary subst. name, for <i>simile</i> )	
<i>illiesi</i> Wygodzinsky & Coscarón, 1967 [Argentina (Chubut)]	
[ <i>barbatipes</i> : Vargas & Díaz Nájera, 1953 (part), not Enderlein]	
<b>strigidorsum</b> (Enderlein, 1934) [1933]	Peru (Puno); Argentina (Chu, Men)

Subgenus RUBZOVIA Petrova

**RUBZOVIA** Petrova, 1983 (as genus). Type species: *lamachi* (original designation)

*CRENOSIMULIUM* Giudicelli & Thiery, 1985 (as subgenus of *Simulium*). Type species: *lamachi* (original designation)

<b>knidirii</b> Giudicelli & Thiery, 1985	Morocco
<b>lamachi</b> Doby & David, 1960	France; Germany, Morocco, Spain
<i>lamachei</i> Beaucournu-Saguez, 1972 (unnecessary emendation)	
<b>paraloutetense</b> Crosskey, 1988	Canary Islands (Gran Canaria)

**vantshi** Petrova, 1983 ..... Tajikistan

### Subgenus SCHOENBAUERIA Enderlein

**SCHOENBAUERIA** Enderlein, 1921 (as genus). Type species: *nigrum*, as *matthiesseni* (original designation)

*MIODASIA* Enderlein, 1936 (as genus). Type species: *nigrum*, as *opalinipennis* (original designation)

*GALLIPODUS* Usova & Reva, 2000 (as genus). Type species: *raastadi* (original designation)

- brachyarthrum** (Rubtsov, 1956) ..... Siberia (WS/ES [Yenisei River], FE)  
*brachyartra*, *brachyathra*: incorrect subsequent spellings
- flavoantennatum** Rubtsov, 1940 ..... China (Xinjiang)  
*favoantennatum*: incorrect subsequent spelling
- furculatum** Shewell, 1952 ..... Canada (Manitoba, Alb, Lab, Nfld, Nun, NWT, Ont,  
‘B’ Twinn, Hocking, McDuffie & Cross, 1948 (*Eusimulium* sp.) Que, Sask, Yukon); USA (Alaska, Maine)
- giganteum** Rubtsov, 1940 ..... Siberia (WS); Canada (Nun), Russia (NR)  
*gigiantea*: incorrect subsequent spelling
- ivashchenkoi** (Yankovsky, 1996) (subst. name) ..... Russia (Ivanovo CR)  
*chelevini* (Ivashchenko, 1978) (preocc.)
- ivdelense** (Yankovsky, 2000) ..... Siberia (Sverdlovskaya WS)
- nigrum** (Meigen, 1804) ..... Germany; Belarus, Lithuania, Poland, Romania, Russia  
*matthiesseni* (Enderlein, 1921 [April]) (available) [Russia (Volgograd)] (CR, SR), Ukraine, Uzbekistan  
*peetsi* (Enderlein, 1921 [April]) (unav., *nomen nudum*)  
*peetsi* (Enderlein, 1921 [June]) (available) [Germany]  
*behningi* Enderlein, 1926 [Russia (Saratovskaya)]  
*opalinipenne* (Enderlein, 1936) [Germany]  
*mathiesseni*, *matthiesseni*, *matthissoni*:  
incorrect subsequent spellings
- parapusillum** (Rubtsov, 1956) ..... Siberia (Yakutskaya ES)
- patrushevae** (Ivashchenko, 1978) ..... Russia (Ivanovo CR)
- pseudopusillum** (Rubtsov, 1956) ..... Kazakhstan
- pusillum** Fries, 1824 ..... Finland; Belarus, Czech Republic, Estonia, Latvia,  
*pygmaea* Zetterstedt, 1837 (unav., *nomen nudum*) Lithuania, Mongolia, Norway, Poland, Russia (CR,  
*pygmaeum* Zetterstedt, 1838 [Sweden] KM), Siberia (ES, FE, WS), Sweden, Ukraine  
*arcticum* (Enderlein, 1936) (preocc.) [Norway]  
*fridolini* Rubtsov, 1939 (unav., *nomen nudum*)  
*fridolini* Rubtsov, 1940 [Russia (‘northern Urals’)]  
*roevdeae* Smart, 1944 (subst. name)  
*pussilla*: incorrect subsequent spelling  
*pugmaeum*, *pygmeum*: incorrect subsequent spellings  
*röydae*: incorrect subsequent spelling
- raastadi** (Usova & Reva, 2000) ..... Ukraine
- rangiferinum** (Rubtsov, 1956) ..... Russia (Archangel NR); Siberia (ES, WS)  
*rangigerina*: incorrect subsequent spelling
- rubzovium** (Ivashchenko, 1978) ..... Russia (Ivanovo CR)
- samarkandicum** (Yankovsky, 2000) ..... Uzbekistan
- subpusillum** Rubtsov, 1940 ..... Siberia (Irkutskaya ES [neotype]); Canada (Nun, NWT),  
‘2’ Malloch, 1919 (*Simulium* sp.) Finland, Russia (CR, NR), Sweden, USA (Alaska)  
‘near *subpusillum*’ Smith, 1970 (thesis) (*Simulium* sp.)  
‘near *subpusillum* (#2)’ Smith, 1970 (thesis) (*Simulium* sp.)  
*subpusills*, *subpysilla*: incorrect subsequent spellings  
[*annulitarse*: Carlsson, 1962 / Carlsson *et al.*, 1977 /  
Jensen, 1997, not Zetterstedt]  
[*pusillum*: Puri, 1926 / Bodrova, 1977, not Fries]
- suchomlinae** (Usova & Reva, 1995) ..... Ukraine
- tibiale** (Tan & Chow, 1976) [*in Lee, Tan, Zhou & Wang*] (secondary  
homonym of *tibiale* Macquart, 1834, but no  
available subst. name) ..... China (Beijing)
- tibilis*: incorrect subsequent spelling

<b>transbaikalicum</b> Rubtsov, 1940 .....	Siberia (Buryatskaya ES)
<i>transbaikalicum</i> : incorrect subsequent spelling	
<b>tsharae</b> (Yankovsky, 1982) .....	Siberia (Chitinskaya ES)
<b>tshernovskii</b> (Rubtsov, 1956) .....	Siberia (Baikal ES, WS)
<i>chernovskii</i> : incorrect subsequent spelling	
<b>zinaidae</b> Crosskey, 1997 [ <i>in</i> Crosskey & Howard] (subst. name) .....	Siberia (Khabarovsk FE)
<i>ussovae</i> (Bodrova, 1989) (preocc.)	
‘Z’ Adler, Currie & Wood, 2004 ( <i>Simulium</i> sp.) .....	USA (Alaska)
‘near <i>giganteum</i> ’ Currie, 1997 ( <i>Simulium</i> sp.)	

### Subgenus SIMULIUM Latreille s. str.

<b>SIMULIUM</b> Latreille, 1802 (as genus). Type species: <i>colombaschense</i> (original designation)
<i>ODAGMIA</i> Enderlein, 1921 (as genus). Type species: <i>ornatum</i> (original designation)
<i>FRIESIA</i> Enderlein, 1922 (as genus) (preocc.). Type species: <i>bezzii</i> , as <i>tristrigata</i> (original designation)
<i>DISCOSPHYRIA</i> Enderlein, 1922 (as genus). Type species: <i>trifasciatum</i> , as <i>odagmiina</i> (original designation)
<i>GYNONYCHODON</i> Enderlein, 1925 (as genus). Type species: <i>nobile</i> (original designation)
<i>PSEUDODAGMIA</i> Baranov, 1926 (as subgenus of <i>Odagmia</i> ). Type species: <i>variegatum</i> (original designation)
<i>DANUBIOSIMULIUM</i> Baranov, 1935 (as subgenus of <i>Simulium</i> ). Type species: <i>colombaschense</i> , as <i>columbaczensis</i> (monotypy)
<i>CLEITOSIMULIUM</i> Séguéy & Dorier, 1936 (as subgenus of <i>Simulium</i> ). Type species: <i>argenteostriatum</i> , as <i>rupicolum</i> (original designation)
<i>GNUS</i> Rubtsov, 1940 (as subgenus of <i>Simulium</i> ). Type species: <i>decimatum</i> (original designation)
<i>TETISIMULIUM</i> Rubtsov, 1960 (unav. under Code Article 13(a)(iii)), not expressly proposed as subst. name for <i>Friesia</i> Enderlein)
<i>TETISIMULIUM</i> Rubtsov, 1963 (as genus). Type species: <i>bezzii</i> (original designation)
<i>PARABYSSODON</i> Rubtsov, 1964 (as genus). Type species: <i>transiens</i> (original designation)
<i>PHOSTERODOROS</i> Stone & Snoddy, 1969 (as subgenus of <i>Simulium</i> ). Type species: <i>jenningsi</i> (original designation)
<i>PHORETODAGMIA</i> Rubtsov, 1972 (as genus). Type species: <i>ephemerophilum</i> (original designation)
<i>HIMALAYUM</i> Lewis, 1973 (as subgenus of <i>Simulium</i> ). Type species: <i>indicum</i> (original designation)
<i>PARAGNUS</i> Rubtsov & Yankovsky, 1982 (as genus). Type species: <i>bukovskii</i> (original designation)
<i>ARCHESIMULIUM</i> Rubtsov & Yankovsky, 1982 (as subgenus of <i>Simulium</i> s. str.). Type species: <i>tuberosum</i> (original designation)
<i>ARGENTISIMULIUM</i> Rubtsov & Yankovsky, 1982 (as subgenus of <i>Simulium</i> s. str.). Type species: <i>noelleri</i> (original designation)
<i>STRIATOSIMULIUM</i> Rubtsov & Yankovsky, 1982 (as subgenus of <i>Simulium</i> s. str.). Type species: <i>japonicum</i> (original designation)
<i>FORETODAGMIA</i> : incorrect subsequent spelling (Rubtsov, 1974)

### ARGENTIPES species-group

<b>arboreum</b> Takaoka, 2006 .....	Philippines (Luzon)
<b>argentipes</b> Edwards, 1928 .....	Malaysia (Malaya)
<b>beludense</b> Takaoka, 1996 .....	Malaysia (Sabah)
<b>bidentatum</b> (Shiraki, 1935) .....	Japan (Honshu, Ky, NI, Sh); China (Fu, Gu, Li, Qi, Sh, Si, Yu), Korea (South)
‘Hanakago-buyu’ Kani, 1944	
<b>canlaonense</b> Delfinado, 1969 .....	Philippines (Negros)
<b>flavidum</b> Rubtsov, 1947 .....	Tajikistan; China (Hebei), Kazakhstan, Mongolia, Siberia (ES, WS), Uzbekistan, Pakistan (?)
<i>versicolor</i> (Rubtsov, 1956) (preocc.) [Kazakhstan]	
<i>flavifemur</i> : incorrect subsequent spelling (lapsus for <i>flavidum</i> )	
<b>minangkabaum</b> Takaoka & Sigit, 1997 .....	Indonesia (Sumatra)

### ARGENTEOSTRIATUM species-group

<b>argenteostriatum</b> Strobl, 1898 .....	Albania (‘Jablanica’); Algeria, Andorra, Austria, Bosnia, Bulgaria, Czech Republic, France, Germany, Italy, Poland, Romania, Serbia, Slovakia, Slovenia, Spain, Switzerland, Ukraine
<i>schoenbaueri</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i> )	
<i>schoenbaueri</i> Enderlein, 1921 [June] (available) [Slovakia]	
<i>alternans</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i> )	



<i>alternans</i> Enderlein, 1921 [June] (available) [Slovakia]	
<i>rupicolum</i> Séguy & Dorier, 1936 [France]	
<i>simici</i> Zivkovitch, 1959 [Serbia]	
<i>argentostriatum</i> : incorrect subsequent spelling	
<i>rupiculum</i> : incorrect subsequent spelling	
<b>aureofulgens</b> Terteryan, 1949 .....	Armenia; Azerbaijan, Turkey
<b>hispaniola</b> Grenier & Bertrand, 1954 .....	Spain; Algeria, France, Italy, Portugal, Turkey
<i>parvifrons</i> (Rivosecchi & Cardinali, 1975) (ssp.) [Italy]	
<i>hispanica</i> , <i>hispaniolum</i> : incorrect subsequent spellings	
<b>tjanshanicum</b> Rubtsov, 1963 .....	Kyrgyzstan
<i>tjanschanicum</i> : incorrect original spelling (alternative)	

#### BEZZII species-group

<b>alajense</b> Rubtsov, 1938 .....	Kyrgyzstan; Afghanistan, Armenia, Bulgaria, China (IM, Li, Tibet, Xi), India (Kashmir), Kazakhstan, Mongolia, Pakistan, Tajikistan, Turkey, Turkmenistan, Uzbekistan, Romania (?)
<i>sbergi</i> Rubtsov, 1940 [Tajikistan]	
<i>alaensis</i> , <i>alajens</i> , <i>alajensie</i> , <i>aljensis</i> : incorrect subsequent spellings	
<i>shergi</i> : incorrect subsequent spelling	
[ <i>hiemale</i> : Chinese authors, not Rubtsov]	
<b>bezzii</b> (Corti, 1914) (complex)* .....	Italy (incl. Sardinia, Sicily); Algeria, Andorra, Armenia, Austria, Azerbaijan, Bosnia, Bulgaria, Cyprus, France (incl. Corsica), Georgia, Germany, Greece (incl. Crete, Lésbos, Rhodes), Iran, Iraq, Israel, Lebanon, Macedonia, Morocco, Poland, Romania, Russia (Caucasus), Serbia, Spain, Switzerland, Turkey, Ukraine, Uzbekistan [Yankovsky, 2003 [2002] treats <i>crinitum</i> as valid sp.]
<i>delphinense</i> Villeneuve, 1918 [France]	
<i>tristrigata</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i> )	
<i>tristrigatum</i> (Enderlein, 1921 [June]) (available) [Spain]	
<i>obscurum</i> (Enderlein, 1924) [Bulgaria]	
<i>kondici</i> (Baranov, 1926) [Serbia]	
<i>atlas</i> Séguy, 1930 [Morocco]	
<i>crinitum</i> (Rubtsov, 1956) [Armenia]	
<i>gorjense</i> (Dinulescu, 1966) [Romania]	
<i>graium</i> (Couvert, 1967) [Italy]	
<i>bezzi</i> : incorrect subsequent spelling	
<i>condici</i> : incorrect subsequent spelling	
[ <i>venustum</i> : authors (France), not Say]	
<b>coarctatum</b> Rubtsov, 1940 .....	China (Xinjiang); Kazakhstan, Mongolia, Tajikistan, Uzbekistan
<i>coactatum</i> : incorrect subsequent spelling	
<b>desertorum</b> Rubtsov, 1938 .....	China (Xinjiang, Jilin, Tibet); Bulgaria, Kazakhstan, Kyrgyzstan, Pakistan, Siberia (WS), Tajikistan, Turkmenistan
<b>hiemale</b> (Rubtsov, 1956) .....	Azerbaijan; Uzbekistan. ['China' error]
<i>himalis</i> : incorrect subsequent spelling	
<b>kerisorum</b> (Rubtsov, 1956) .....	Azerbaijan; Bulgaria, Kyrgyzstan, Turkey
<b>kozlovi</b> Rubtsov, 1940 .....	China (Qinghai); Azerbaijan, Kyrgyzstan, Mongolia, Tajikistan, Uzbekistan
<b>latimentum</b> (Rubtsov, 1956) .....	Kyrgyzstan; Mongolia, Siberia (WS), Romania (?)
<b>longgengen</b> Sun, 1994 .....	China (Liaoning)
<i>longgengen</i> Sun, 1992 (unav., not formally publ.)	
<b>stevensoni</b> Edwards, 1927 .....	Pakistan; India (Kashmir)
<b>tachengense</b> An & Mahe, 1994 .....	China (Xinjiang)
<b>wutaishanense</b> An & Yan, 2003 .....	China (Shanxi)
<b>xiaodaoense</b> Lin, Shi & An, 2004 .....	China (Qinghai)
'2' Saito, Uemoto & Afzal, 1989 ( <i>Simulium</i> sp.) .....	Pakistan

#### BIMACULATUM species-group

<b>bimaculatum</b> (Rubtsov, 1956) .....	Uzbekistan; Kazakhstan, China (?), Romania (?)
<i>chinensis</i> (Rubtsov, 1956) (unav., <i>nomen nudum</i> )	
<i>bimaculatatum</i> : incorrect subsequent spelling	
<b>platytarse</b> (Yankovsky, 1977) .....	Siberia (Khabarovsk FE)
<b>sexafila</b> (Rubtsov, 1976) .....	Kazakhstan

**trilineatum** (Rubtsov, 1956) ..... Tajikistan; Kazakhstan

BUKOVSKII species-group

**bukovskii** Rubtsov, 1940 ..... Ukraine (Crimea); Armenia, Bulgaria, Romania,  
*bucovskii*, *bukowskii*: incorrect subsequent spellings  
Russia (SR), Turkey  
**degrangei** Dorier & Grenier, 1960 ..... France; Austria, Bosnia, Bulgaria, Georgia, Germany,  
*degrangei* Zivkovitch & Grenier, 1959 (unav., *nomen nudum*)  
Italy, Serbia, Slovakia, Switzerland, Ukraine  
*sastscheri* Machavariani, 1966 [Georgia]  
*degranjei*: incorrect subsequent spelling  
*sastchcheri*: incorrect subsequent spelling  
[*schoenbaueri*: Novák, 1956, not Enderlein]  
**vigintifile** (Dinulescu, 1966) ..... Romania

CRASSIFILUM species-group

**crassifilum** Rubtsov, 1947 ..... Tajikistan; Pakistan, Turkmenistan  
'1' Saito, Uemoto & Afzal, 1989 (*Simulium* sp.) ..... Pakistan

EPHEMEROPHILUM species-group

**dubitskii** (Yankovsky, 1996) (subst. name) ..... Kyrgyzstan  
*alajense* (Rubtsov, 1972) (preocc.)  
**ephemerophilum** Rubtsov, 1947 ..... Tajikistan; India (HP), Kyrgyzstan, Pakistan (Swat),  
*obikumbense* (Rubtsov, 1972) [Tajikistan]  
Uzbekistan  
*ephemerophila*, *ephemerofila*, *epheremophila*:  
incorrect subsequent spellings  
*obicumbensis*: incorrect subsequent spelling  
**jani** Lewis, 1973 ..... Pakistan (Swat)  
**rashidi** Lewis, 1973 ..... Pakistan; India (HP)  
**rithrogenophilum** (Konurbaev, 1984) ..... Kyrgyzstan

EXIMIUM species-group

**eximium** De Meijere, 1913 ..... Indonesia (Java, Sumatra)  
**ranauense** Takaoka, Hadi & Sigit, 2006 ..... Indonesia (Sumatra)  
'nr. *eximium*' Takaoka *et al.*, 2000 (*Simulium* sp.)  
**thienemanni** Edwards, 1934 ..... Indonesia (Java)  
**upikae** Takaoka & Davies, 1996 ..... Indonesia (Java, Flores)  
*upikae* Takaoka & Davies, 1995 (unav., *nomen nudum*)

GRISEIFRONS species-group

**choochotei** Takaoka, 2002 [*in* Takaoka & Choochote] ..... Thailand  
**chungi** Takaoka & Huang, 2006 ..... Taiwan  
**crocinum** Takaoka & Choochote, 2004 ..... Thailand  
'J' Kuvangkadilok, Boonkemtong & Phayahasena,  
1999 (*Simulium* sp.)  
**digrammicum** Edwards, 1928 ..... Malaysia (Malaya); Thailand  
[*griseifrons*: Puri, 1932 / Crosskey, 1973, 1988, not Brunetti]  
**ephippoidum** Chen & Wen, 1999 ..... China (Guizhou, Hubei)  
*ephippoidum*: incorrect subsequent spelling  
**gravelyi** Puri, 1933 ..... India (Tamil Nadu); China (Tibet)  
*grovelii*: incorrect subsequent spelling  
**griseifrons** Brunetti, 1911 ..... India (Uttar Pradesh, HP, Kashmir); China (Tibet),  
*greseifrons*, *griseifrons*, *groseifrons*: incorrect subsequent spellings  
Pakistan. ['Malaya', 'Thailand' errors]  
**grossifilum** Takaoka & Davies, 1995 ..... Malaysia (Malaya); Thailand  
**hengshanense** Bi & Chen, 2004 ..... China (Hunan, Hubei)  
**hongpingense** Chen, Luo & Yang, 2007 ..... China (Hubei)

<b>horokaense</b> Ono, 1980 .....	Japan (Hokkaido)
<b>indicum</b> Becher, 1885 [1884] .....	India (Assam, ArP, HP, Kr, Ma, Me, Na, Sik, UP, WB);
<i>kashmiricum</i> Edwards, 1927 [Pakistan]	Afghanistan, Bangladesh, Bhutan, Burma, China (Tibet), Nepal, Pakistan (Kashmir). [Himalayan mountain range distribution]
<b>japonicum</b> Matsumura, 1931 .....	Japan (Hokkaido incl. Rebun and Rishiri Islands, Hon,
<i>annulipes</i> Shiraki, 1935 (preocc.) [Japan (Hokkaido)]	Ky, NI, Sh); China (Fu, Jilin, Li, Tibet), Korea (South),
<i>oshimanum</i> Shiraki, 1935 [Japan (Nansei Islands)]	Siberia (FE incl. Kurile Islands and Sakhalin)
<i>kurilense</i> Rubtsov, 1956 [Siberia (Kurile Islands)]	
‘Yama-buyu’ Kani, 1944	
<i>japoincum</i> , <i>japonieum</i> : incorrect subsequent spellings	
[ <i>colobaczensis</i> <i>[sic]</i> ]: Matsumura, 1915, not Schoenbauer]	
<b>kawamurae</b> Matsumura, 1915 .....	Japan (Kyushu, Hon, Sh); China (Hubei)
‘Kutsugata-buyu’ Kani, 1944	
<b>ledongense</b> Yang & Chen, 2001 .....	China (Hainan)
<b>lushanense</b> Chen, Kang & Zhang, 2007 .....	China (Jiangxi)
<b>maenoi</b> Takaoka & Choochote, 2002 .....	Thailand
<b>mediaxisus</b> An, Guo & Xu, 1995 .....	China (Tibet)
<b>mediocoloratum</b> Takaoka & Choochote, 2004 .....	Thailand
<b>nigrogilvum</b> Summers, 1911 .....	Thailand; Vietnam
<i>nigrogiloum</i> : incorrect subsequent spelling	
<b>phayaoense</b> Takaoka & Choochote, 2005 .....	Thailand
<b>phukaense</b> Takaoka & Choochote, 2005 .....	Thailand
<b>pukaengense</b> Takaoka & Choochote, 2005 .....	Thailand
<b>qini</b> Cao, Wang & Chen, 1993 .....	China (Sichuan)
<b>ramulosum</b> Chen, 2000 .....	China (Guizhou)
<b>rudnicki</b> Takaoka & Davies, 1995 .....	Malaysia (Malaya); Thailand
<b>serenum</b> Huang & Takaoka, 2009 .....	Taiwan
<b>spoonatum</b> An & Yan, 1998 [ <i>in</i> An, Hao & Yan] .....	China (Guangdong: Shangchuan Island)
<b>suchariti</b> Takaoka & Choochote, 2004 .....	Thailand
<b>taipokauense</b> Takaoka, Davies & Dudgeon, 1995 .....	China (Hong Kong)
<i>taipotauense</i> : incorrect subsequent spelling	
<b>tenuatum</b> Chen, 2000 .....	China (Guizhou)
<b>tenuitarsus</b> Puri, 1933 .....	India (West Bengal)
<i>tenuitarsis</i> : incorrect subsequent spelling	
<b>ufengense</b> Takaoka, 1979 .....	Taiwan; China (Sg)
<b>visuti</b> Takaoka & Choochote, 2006 .....	Thailand
<b>yadongense</b> Deng & Chen, 1993 .....	China (Tibet)
<i>yodongense</i> : incorrect subsequent spelling	
<b>yongi</b> Takaoka & Davies, 1997 .....	Malaysia (Malaya); Thailand
[ <i>pahangense</i> : Takaoka & Davies, 1995 (part)]	

#### JENNINGSI species-group

<b>anchistinum</b> Moulton & Adler, 1995 .....	USA (South Carolina, Geo, NC, NJ, NY, Pen, Vir)
[ <i>nyssa</i> : Stone & Snoddy, 1969 (part)]	
<b>aranti</b> Stone & Snoddy, 1969 .....	USA (Alabama, Geo, SC, Ten)
‘116’ Snoddy, 1966 (thesis) ( <i>Simulium</i> sp.)	
<b>chlorum</b> Moulton & Adler, 1995 .....	USA (South Carolina, Pen)
<i>chlorosum</i> Moulton, 1992 (thesis) (unav., <i>nomen nudum</i> )	
<b>confusum</b> Moulton & Adler, 1995 .....	USA (South Carolina, Ala, Ark, Geo, Lou, Misp, NC,
[see Adler <i>et al.</i> , 2004 for misidentifications]	Neb, Okl, Ten, Texas, Vir)
<b>definitum</b> Moulton & Adler, 1995 .....	USA (South Carolina, Del, Pen, Vir)
[ <i>lakei</i> : authors, not Snoddy]	
<b>dixiense</b> Stone & Snoddy, 1969 .....	USA (Alabama, Flo, Geo, Misp, NC, SC)
‘17’ Snoddy, 1966 (thesis) ( <i>Simulium</i> sp.)	
<b>fibrinflatum</b> Twinn, 1936 .....	Canada (Ontario, NS); USA (Ala, Geo, Maine,
<i>underhilli</i> Stone & Snoddy, 1969 [USA (Alabama)]	Mas, NC, NH, NJ, NY, Pen, RI, SC, Vir, WV)
<i>octobranchium</i> Moulton, 1992 (thesis) (unav., <i>nomen nudum</i> )	

‘7’ Snow, Pickard & Jones, 1958 / Snoddy, 1966 (thesis) ( <i>Simulium</i> sp.) [ <i>notiale</i> : Stone & Snoddy, 1969 (part), not Twinn]	
<b>haysi</b> Stone & Snoddy, 1969 .....	USA (Alabama, Flo, Texas)
‘114’ Snoddy, 1966 (thesis) ( <i>Simulium</i> sp.)	
<b>infenestrum</b> Moulton & Adler, 1995 .....	USA (South Carolina, NC)
[ <i>rugglesi</i> : authors (South Carolina), not Nicholson & Mickel]	
<b>jenningsi</b> Malloch, 1914 .....	USA (Maryland, Ala, Con, Geo, Ind, Kan, Ken, Maine, Mas, Mic, Min, Misp, Misr, NC, NH, NJ, NY, Ohio, Pen, SC, Ten, Vir, Wis, WV); Canada (Ont, Que)
<i>nigroparvum</i> Twinn, 1936 [Canada (Ontario)]	
‘a’ Johannsen, 1903 ( <i>Simulium venustum</i> var.)	
<i>nigrovum</i> : incorrect subsequent spelling	
<b>jonesi</b> Stone & Snoddy, 1969 .....	USA (Alabama, Del, Flo, Geo, Lou, Misp, NC, SC, Texas, Vir)
‘58’ Simpson <i>et al.</i> , 1956 / Snoddy, 1966 (thesis) ( <i>Simulium</i> sp.)	
[ <i>jenningsi</i> : Lake, 1983, not Malloch]	
<b>krebsorum</b> Moulton & Adler, 1992 .....	USA (South Carolina, NC)
[ <i>haysi</i> : authors (South Carolina), not Stone & Snoddy]	
<b>lakei</b> Snoddy, 1976 .....	USA (Delaware, Flo, Geo, NC, NJ, Pen, SC)
‘120a’ Arnold, 1974 (thesis) ( <i>Simulium</i> sp.)	
‘120b’ Arnold, 1974 (thesis) ( <i>Simulium</i> sp.)	
‘(prob. new sp.) near <i>jenningsi</i> ’ Hauer & Benke, 1987 ( <i>Simulium</i> sp.)	
‘near <i>jenningsi</i> ’ Benke & Parsons, 1990 ( <i>Simulium</i> )	
[see Adler <i>et al.</i> , 2004 for misidentifications]	
<b>luggeri</b> Nicholson & Mickel, 1950 (complex) .....	USA (Minnesota, Ala, Ark, Geo, Ind, Iowa, Kan, Ken, Mar, Mic, Misp, Misr, Neb, NH, NJ, NY, Ohio, Okl, Pen, SC, SD, Ten, Wis, WV); Canada (Alb, BC, Man, NWT, Ont, Sask)
‘L’ Fredeen, 1951 (thesis) ( <i>Simulium</i> sp.)	
‘n. sp. aff. <i>luggeri</i> ’ Pistrang, 1983 (thesis) ( <i>Simulium</i> )	
<i>luggari</i> : incorrect subsequent spelling	
[ <i>jenningsi</i> : Currie, 1986, not Malloch]	
<b>notiale</b> Stone & Snoddy, 1969 .....	USA (Alabama, Flo, Geo, NC, Pen, SC, Ten, Vir)
‘52’ Snoddy, 1966 (thesis) ( <i>Simulium</i> sp.)	
‘near <i>notiale-underhilli</i> ’ Adler, 1983 (thesis) ( <i>Simulium</i> sp.)	
<i>notialiale</i> : incorrect subsequent spelling	
<b>nyssa</b> Stone & Snoddy, 1969 .....	USA (Alabama, Ark, Con, Geo, Ken, Maine, Mas, Pen, SC, Ten, Vir, WV); Canada (NS)
‘117’ Snoddy, 1966 (thesis) ( <i>Simulium</i> sp.)	
<b>ozarkense</b> Moulton & Adler, 1995 .....	USA (Missouri, Ark, Ken, Okl, Texas)
<b>penobscotense</b> Snoddy & Bauer, 1978 .....	USA (Maine, Mas)
‘n. sp. P’ May, Bauer, Vadas & Granett, 1977 ( <i>Simulium</i> )	
[ <i>rugglesi</i> : Stone, 1964 (part), not Nicholson & Mickel]	
<b>podostemi</b> Snoddy, 1971 .....	USA (Mississippi [neotype], Ark, Geo, NC, Pen, SC)
<b>remissum</b> Moulton & Adler, 1995 .....	USA (North Carolina)
<b>snowi</b> Stone & Snoddy, 1969 .....	USA (Alabama, Ten)
‘16’ Snow, Pickard & Jones, 1958 / Snoddy, 1966 (thesis) ( <i>Simulium</i> sp.)	
<b>taxodium</b> Snoddy & Beshear, 1968 .....	USA (Georgia, Ala, Flo, NC, SC)

#### MALYSCHEVI species-group

<b>acontum</b> Chen, Zhang & Huang, 2005 .....	China (Sichuan)
<b>acrotrichum</b> Rubtsov, 1956 .....	Uzbekistan; Kazakhstan, Mongolia, Siberia (ES, WS)
<b>apricarium</b> Adler, Currie & Wood, 2004 .....	USA (Wyoming, Ari, Cal, Col, Idaho, Mon, Neb, NM, Utah)
[ <i>arcticum</i> : authors (Nebraska), not Malloch]	
<b>arcticum</b> Malloch, 1914 (complex)* .....	Canada (British Columbia, Alb, Sask); USA (Idaho, Mon, Wyo)
‘IIL-3’ Shields & Procunier, 1982 (cytoform, typical)	
‘IIL-3, 23, 24’ Shields, Christianes, Van Leuven & Hartman, 2009 (cytoform)	
‘IIL-22’ Shields, Christianes, Van Leuven & Hartman, 2009 (cytoform)	
‘1’ Adler, Currie & Wood, 2004 (cytoform) .....	USA (Nev)
‘2’ Adler, Currie & Wood, 2004 (cytoform) .....	USA (Ore)
‘3’ Adler, Currie & Wood, 2004 (cytoform) .....	USA (Mon)

‘4’ Adler, Currie & Wood, 2004 (cytoform) .....	USA (Mon)
‘IIL-9’ Shileds, Pickens, Clausen & Strizich, 2007 (cytoform)	
‘IIL-19’ Shileds, Pickens, Clausen & Strizich, 2007 (cytoform)	
‘5’ Adler, Currie & Wood, 2004 (cytoform) .....	USA (Mon)
‘IIL-10’ Shileds, Pickens, Clausen & Strizich, 2007 (cytoform)	
‘6’ Adler, Currie & Wood, 2004 (cytoform) .....	Canada (NWT)
‘7’ Adler, Currie & Wood, 2004 (cytoform) .....	USA (Mon)
‘8’ Adler, Currie & Wood, 2004 (cytoform) .....	Canada (BC[?], NWT)
‘9’ Adler, Currie & Wood, 2004 (cytoform) .....	USA (Mon)
‘10’ Adler, Currie & Wood, 2004 (cytoform) .....	Canada (Nun, NWT), USA (Cal, Ore)
‘IIL-18’ Shields, Clausen, Marchion, Michel, Styren, Riggin, Santoro & Strizich, 2006 (cytoform) .....	USA (Mon)
<i>articum</i> : incorrect subsequent spelling	
<b>baimaii</b> Kuvangkadilok & Takaoka, 1999 [ <i>in</i> .....	Thailand
Takaoka & Kuvangkadilok]	
<b>brevicerum</b> Knowlton & Rowe, 1934 .....	USA (Utah, Alaska, Cal, Mon); Canada (Alb)
<i>nigresceum</i> Knowlton & Rowe, 1934 [USA (Utah)]	
‘IIL-st’ Shields & Procunier, 1982 ( <i>arcticum</i> cytoform)	
<i>brevicerum</i> : incorrect subsequent spelling	
[ <i>corbis</i> : authors (Utah), not Twinn]	
<b>cholodkovskii</b> Rubtsov, 1940 [1939] .....	Siberia (Buryatskaya ES, FE, WS); China (He, Jilin), Mongolia, Russia (CR)
<i>cholodkovskii</i> Stukolkina, 1939 (unav., <i>nomen nudum</i> , attrib. Rubtsov)	
<i>cholodkovskii</i> : incorrect original spelling	
<b>chromatinum</b> Adler, Currie & Wood, 2004 .....	USA (Arizona, Col, NM, Wyo)
[ <i>arcticum</i> : Tang <i>et al.</i> , 1996, not Malloch]	
<b>daisense</b> (Takahasi, 1950) .....	Japan (Honshu, Hok, Ky, Sh)
<i>diasense</i> : incorrect subsequent spelling	
<b>damingense</b> Chen, Zhang & Zhang, 2007 .....	China (Guangxi Zhuang)
<b>decimatum</b> Dorogostaisky, Rubtsov & Vlasenko, 1935 .....	Siberia (Baikal ES, FE, WS); Canada (Nun, NWT, Yukon), China (He), Mongolia, Russia (CR, KM), USA (Alaska)
<i>simile</i> Malloch, 1919 (preocc.) [Canada (Nunavut [as NWT])]	
<i>wagneri</i> Rubtsov, 1940 [Siberia (Altai)]	
<i>nigricoxum</i> Stone, 1952 (subst. name, for <i>simile</i> )	
<i>xerophilum</i> (Rubtsov, 1969) [Mongolia]	
<i>nigrocoxum</i> : incorrect subsequent spelling	
<b>defoliarti</b> Stone & Peterson, 1958 .....	USA (Wyoming, Cal, Col, Idaho, Mon, NM, Ore, Utah, Was); Canada (Alb, BC)
<i>curtisi</i> Riegert, 1999 (unav., <i>nomen nudum</i> )	
‘73’ Rees & Peterson, 1953 ( <i>Simulium</i> sp.)	
‘undescribed species’ Curtis, 1954	
‘near <i>arcticum</i> ’ MacNay, 1955 ( <i>Simulium</i> sp.)	
‘(IIS-14.15)’ Shipp & Procunier, 1986 (cytoform)	
<b>fulvipes</b> (Ono, 1978) .....	Japan (Hokkaido)
<i>oshimaense</i> Ono, 1989 (unnecessary subst. name)	
<i>ono</i> Yankovsky, 1996 (unnecessary subst. name, for <i>fulvipes</i> )	
<b>gabovae</b> (Rubtsov, 1966) .....	Russia (Komi NR)
<b>hirtipannus</b> Puri, 1932 .....	India (Assam); China (Fu, Gu, Tibet)
<b>ibariense</b> Zivkovitch & Grenier, 1959 .....	Serbia; Austria, Bulgaria, Czech Republic, Macedonia, Poland, Switzerland, Ukraine
<i>novaki</i> Knoz, 1960 [Czech Republic]	
<b>jacuticum</b> Rubtsov, 1940 .....	Siberia (Yakutskaya ES, FE); China (Fu, He, IM, Sh)
<i>halonense</i> (Takahasi, 1940) [China (Inner Mongolia)]	
<i>jecuticum</i> : incorrect subsequent spelling	
<b>kisoense</b> Uemoto, Onishi & Orii, 1974 .....	Japan (Honshu, Sh)
‘Hanakagomodoki-buyu’ Kani, 1952	
<b>kyushuense</b> Takaoka, 1978 .....	Japan (Kyushu)
<b>liaoningense</b> Sun, 1994 .....	China (Liaoning)
<i>lichuanense</i> Chen, Luo & Yang, 2007 (unav., <i>nomen nudum</i> ) .....	China (Hubei)
<i>lichuanense</i> Yang, Chen & Luo, 2009 (unav., <i>nomen nudum</i> )	
<b>malyschevi</b> Dorogostaisky, Rubtsov & Vlasenko, 1935 .....	Siberia (Irkutskaya ES, FE); Canada (Alb, BC, Man, NWT, Sask, Yukon), China (He, Jilin, Li), Japan (Hon,
<i>pseudovariegatum</i> Rubtsov, 1936 (unav., <i>nomen nudum</i> , attrib.	

	Dorogostaisky & Rubtsov	Ky, Korea (South), USA (Alaska)
	<i>albipes</i> (Rubtsov, 1956) [Siberia (Maritime FE)]	
	<i>lucidum</i> (Rubtsov, 1956) [Siberia (Irkutskaya)]	
	‘4’ Malloch, 1919 ( <i>Simulium</i> sp.)	
	‘Kagogata-buyu’ Kani, 1944	
	<i>ablipes</i> : incorrect subsequent spelling	
	<i>malycshevi</i> , <i>malyshevi</i> , <i>malyshevy</i> , <i>malyshevi</i> : incorrect subsequent spellings	
<b>mongolicum</b>	(Rubtsov, 1969)	Mongolia
<b>murmanum</b>	Enderlein, 1935	Russia (KM, CR); Canada (Alb, BC, Lab, Man, NB, Nfld, NS, NWT, Ont, Que, Sask, Yukon), Finland, Norway, Siberia (ES, FE incl. Sakhalin, WS), Sweden, Ukraine, USA (Alaska, Maine, Mas, Mic, Min, NH, NY, Ver, Wis)
	<i>corbis</i> Twinn, 1936 [Canada (Quebec)]	
	<i>relictum</i> Stukolkina, 1939 (unav., <i>nomen nudum</i> , attrib. Rubtsov)	
	<i>relictum</i> Rubtsov, 1939 (unav., <i>nomen nudum</i> )	
	<i>relictum</i> Rubtsov, 1940 [Siberia (Irkutskaya)]	
	<i>forsi</i> (Carlsson, 1962) [Sweden]	
	‘II’ Puri, 1926 ( <i>Simulium</i> sp.)	
	[ <i>tenuimanus</i> : Rubtsov, 1956, not Enderlein]	
	[ <i>rostratum</i> : Rubtsov, 1962 / Patrusheva, 1982 / Rubtsov & Yankovsky, 1988, not Lundström]	
<b>nacojapi</b>	Smart, 1944 (subst. name)	Japan (Honshu, Ky, Sh); China (Li), Korea (South), Siberia (ES, FE)
	<i>japonicum</i> (Shiraki, 1935) (preocc.)	
	‘Madoaki-buyu’ Kani, 1944	
	[ <i>subvariegatum</i> : Bentinck, 1955, not Rubtsov]	
<b>negativum</b>	Adler, Currie & Wood, 2004	USA (Wyoming, Alaska, Col, Mon, Nev, NM, Utah); Canada (Alb, Yukon)
	‘IL-3.4’ Shields & Procnier, 1982 ( <i>arcticum</i> cytoform)	
<b>nujiangense</b>	Xue, 1993	China (Yunnan)
<b>omorii</b>	(Takahasi, 1942)	China (Heilongjiang)
<b>pavlovskii</b>	Rubtsov, 1940	Siberia (Maritime FE incl. Sakhalin, ES); China (He, IM, Xi), Ukraine (?)
	<i>ishikawai</i> Takahasi, 1940 [China (Inner Mongolia)]	
	<i>ishikawae</i> , <i>ishilawai</i> : incorrect subsequent spellings	
	<i>pavlovski</i> , <i>pavlovskii</i> : incorrect subsequent spellings	
<b>rubroflavifemur</b>	Rubtsov, 1940	China (Xinjiang)
	<i>rubvoflavifemur</i> : incorrect subsequent spelling	
<b>rufipes</b>	(Tan & Chow, 1976) [ <i>in</i> Lee, Tan, Zhou & Wang]	China (‘northeastern’)
<b>saccatum</b>	(Rubtsov, 1956)	China (Shandong); Siberia (Maritime FE)
	<i>saceatum</i> : incorrect subsequent spelling	
<b>saxosum</b>	Adler, Currie & Wood, 2004	USA (California, Alaska, Ore, Was); Canada (Alb, BC incl. Queen Charlotte Islands, Yukon)
	‘IIL-2’ Shields & Procnier, 1982 ( <i>arcticum</i> cytoform)	
<b>siripoomense</b>	Takaoka & Saito, 1996	Thailand
<b>subvariegatum</b>	Rubtsov, 1940	Siberia (Yakutskaya ES, FE); China (Be), Mongolia
	<i>subvariegatum</i> Stukolkina, 1939 (unav., <i>nomen nudum</i> , attrib. Rubtsov)	
	<i>subvariegatum</i> Rubtsov, 1939 (unav., <i>nomen nudum</i> )	
<b>tanae</b>	Xue, 1992	China (Yunnan, Jx, Zh)
<b>tumninum</b>	(Bodrova, 1989)	Siberia (Khabarovsk FE)
<b>vampirum</b>	Adler, Currie & Wood, 2004 (subst. name, for <i>simile</i> )	Canada (Saskatchewan [neotype], Alb, NWT)
	<i>simile</i> Cameron, 1918 (attrib. Malloch) (preocc.) [Canada (Sask)]	
	‘IIS-8.9’ Procnier & Shemanchuk, 1983 ( <i>arcticum</i> cytoform)	
	‘IIS-10’ Procnier & Shemanchuk, 1983 ( <i>arcticum</i> cytoform)	
	‘IIS-10 (IL-8)’ Procnier & Shemanchuk, 1983 ( <i>arcticum</i> cytoform)	
	‘IIS-10.11’ Procnier, 1984 ( <i>arcticum</i> cytoform)	
	[ <i>arcticum</i> : authors, not Malloch]	
	‘IIL-1’ Shields & Procnier, 1982 ( <i>arcticum</i> cytoform)	Canada (Alb, Man), USA (Alaska)
	‘IIS-4’ Procnier, 1984 ( <i>arcticum</i> cytoform)	Canada (Alb)

#### MELANOPUS species-group

<b>abatanense</b>	Takaoka, 1983	Philippines (Luzon)
<b>acostai</b>	Takaoka, 1983	Philippines (Mindanao)

<b>aquilum</b> Takaoka, 2006 .....	Philippines (Luzon)
<b>atrum</b> Delfinado, 1969 .....	Philippines (Mindanao, Luzon, Palawan, Tawi Tawi)
<b>banahauense</b> Takaoka, 2007 .....	Philippines (Luzon)
<b>bishopi</b> Takaoka & Davies, 1995 .....	Malaysia (Malaya); Indonesia (Sumatra)
<b>concauum</b> Takaoka, 2006 .....	Philippines (Luzon)
<b>conspicuum</b> Takaoka, 2006 .....	Philippines (Luzon)
<b>crassimanum</b> Edwards, 1933 .....	Malaysia (Sabah)
<b>discrepans</b> Delfinado, 1969 .....	Philippines (Luzon, Bohol, Cebu, Leyte, Mindanao, Mindoro, Negros, Panay)
<b>dumogaense</b> Takaoka & Roberts, 1988 .....	Indonesia (Sulawesi)
<b>forcipatum</b> Delfinado, 1969 .....	Philippines (Luzon, Palawan)
<b>fuscitarse</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>gatchaliani</b> Takaoka, 1983 .....	Philippines (Mindanao)
<b>halconense</b> Takaoka & Tenedero, 2007 .....	Philippines (Mindoro)
<b>iridescens</b> De Meijere, 1913 .....	Indonesia (Java, Sumatra)
<i>iridescens</i> : incorrect subsequent spelling	
<b>iwahigense</b> Takaoka, 1983 .....	Philippines (Palawan)
<b>javaense</b> Takaoka & Hadi, 1991 .....	Indonesia (Java)
[ <i>iridescens</i> var.: Edwards, 1934, not De Meijere]	
<b>landonoense</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>laterale</b> Edwards, 1933 .....	Malaysia (Sabah, Sarawak)
<b>liewi</b> Takaoka, 2007 .....	Malaysia (Sabah)
<b>maklarini</b> Takaoka, 2007 .....	Malaysia (Sabah)
<b>malaibaense</b> Takaoka & Tenedero, 2007 .....	Philippines (Negros)
<b>mayoyaense</b> Takaoka, 2006 .....	Philippines (Luzon)
<b>mediodontatum</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>melanopus</b> Edwards, 1929 .....	Philippines (Luzon, Leyte, Mindanao, Negros, Palawan)
<b>neodiscrepans</b> Takaoka, 2006 .....	Philippines (Luzon)
<b>nigripilosum</b> Edwards, 1933 .....	Malaysia (Sabah)
<i>nigripilosum</i> : incorrect subsequent spelling	
<b>nudifrons</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>palawanense</b> Delfinado, 1971 .....	Philippines (Palawan)
<b>pandum</b> Takaoka, 2006 .....	Philippines (Luzon)
<b>retusum</b> Delfinado, 1971 .....	Philippines (Palawan)
<b>salebrosum</b> Takaoka, 1983 .....	Philippines (Mindanao)
<b>seramense</b> Takaoka, 2003 .....	Indonesia (Maluku)
<b>simulacrum</b> Delfinado, 1969 .....	Philippines (Luzon)
<b>subatrum</b> Takaoka, 1983 .....	Philippines (Palawan, Luzon)
<b>sumigoreense</b> Takaoka, 2006 .....	Philippines (Luzon)
<b>suplidoi</b> Takaoka, 1983 .....	Philippines (Negros)
<b>taalense</b> Takaoka, 1983 .....	Philippines (Luzon, Mindoro)
<b>tomentosum</b> Delfinado, 1969 .....	Philippines (Luzon)
<b>tomohonense</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>tumpaense</b> Takaoka & Roberts, 1988 .....	Indonesia (Sulawesi)
<b>watanabei</b> Takaoka, 2003 .....	Indonesia (Sulawesi)

#### MULTISTRIATUM species-group

<b>barraudi</b> Puri, 1932 .....	India (Kashmir, HP); China (Tibet), Pakistan
<i>barrandi</i> : incorrect subsequent spelling	
<b>bullatum</b> Takaoka & Choochote, 2005 .....	Thailand
<b>chainarongi</b> Kuvangkadilok & Takaoka, 1999	
[ <i>in</i> Takaoka & Kuvangkadilok] .....	Thailand
<i>chainalongi</i> , <i>chinarongi</i> : incorrect subsequent spellings	
<b>chaliowae</b> Takaoka & Boonkemtong, 1999	
[ <i>in</i> Takaoka & Kuvangkadilok] .....	Thailand
<i>cheliowae</i> : incorrect subsequent spelling	
<b>chanyae</b> Takaoka & Choochote, 2007 .....	Thailand; Burma (?)

<i>chongqingense</i> Zhu & Wang, 1995 (junior primary homonym of <i>chongqingense</i> (-is) Zhu & Wang, 1995 (earlier use), but no available subst. name) .....	China (Sichuan)
<b>demolaense</b> Takaoka & Somboon, 2008 .....	Bhutan
<b>dentatum</b> Puri, 1932 .....	India (West Bengal, Assam, Me, Sik); Bhutan, China (Tibet)
<i>demtatum</i> , <i>duntatum</i> : incorrect subsequent spellings	
<b>deothangense</b> Takaoka & Somboon, 2008 .....	Bhutan
<b>digitatum</b> Puri, 1932 .....	India (HP & Punjab); China (Gd, Tibet)
<b>fenestratum</b> Edwards, 1934 .....	Indonesia (Sumatra); Thailand
[ <i>sakishimaense</i> : Takaoka & Suzuki, 1984, not Takaoka]	
<b>hillycum</b> Maskey, 1989 .....	Nepal
<i>hillycum</i> Maskey, 1986 (thesis) (unav., <i>nomen nudum</i> )	
<b>hirtinervis</b> Edwards, 1928 .....	Malaysia (Malaya); Vietnam
<b>konakovi</b> Rubtsov, 1956 .....	Siberia (Kurile Islands FE)
<i>konokovi</i> : incorrect subsequent spelling	
<b>lampangense</b> Takaoka & Choochote, 2005 .....	Thailand
<b>lineothorax</b> Puri, 1932 .....	India (Assam, TN)
<b>malayense</b> Takaoka & Davies, 1995 .....	Malaysia (Malaya); Thailand, Vietnam
<b>multistriatum</b> Rubtsov, 1947 .....	Tajikistan; Kazakhstan, Turkmenistan, Uzbekistan
<i>multistriatum</i> : incorrect subsequent spelling	
<b>novolineatum</b> Puri, 1933 (subst. name) .....	India (West Bengal, ArP, Ka, UP); Burma
<i>lineatum</i> Puri, 1932 (preocc.)	
<b>pallidofemur</b> Deng, Zhang, Xue & Chen, 1994 .....	China (Tibet)
<i>pallidofemum</i> : incorrect subsequent spelling	
<b>parawaterfallum</b> Zhang, Yang & Chen, 2003 .....	China (Hainan)
<b>pulanotum</b> An, Guo & Xu, 1995 .....	China (Tibet)
<b>sakishimaense</b> Takaoka, 1977 .....	Japan (Nansei Islands); China (Fu, Gu, HK, Hubei, Jx, Yu, Zh), Taiwan. ['Thailand' error]
<i>fujianense</i> Zhang, 1988 (ssp.) (thesis) (unav., <i>nomen nudum</i> )	
<i>fujianense</i> Zhang & Wang, 1991 (ssp.) [China (Fujian)]	
<i>sakhishimaense</i> : incorrect subsequent spelling	
[ <i>fenestratum</i> : Ogata, 1966, not Edwards]	
<b>shangchuanense</b> An & Hao, 1998 [ <i>in</i> An, Hao & Yan] .....	China (Guangdong: Shangchuan Island)
<b>subornatoides</b> Rubtsov, 1947 .....	Tajikistan
<i>subornatouides</i> : incorrect subsequent spelling	
<b>takense</b> Takaoka & Choochote, 2005 .....	Thailand
<b>triglobus</b> Takaoka & Kuvangkadilok, 1999 .....	Thailand
<b>uncum</b> Zhang & Chen, 2001 .....	China (Guizhou)
<b>waterfallum</b> Zhang, Yang & Chen, 2003 .....	China (Hainan)
<b>wulingense</b> Zhang & Chen, 2000 .....	China (Guizhou)
<i>welingense</i> : incorrect subsequent spelling	
<b>xanthogastrum</b> Rubtsov, 1951 .....	Tajikistan; Pakistan, Uzbekistan
<i>xanthogastrum</i> Rubtsov, 1947 (unav., <i>nomen nudum</i> )	
<b>xiaolongtanense</b> Chen, Luo & Yang, 2007 .....	China (Hubei)
'B' Lewis, 1964 ( <i>Simulium</i> sp.) .....	Nepal
'B' Takaoka & Davies, 1995 ( <i>Simulium</i> sp.) .....	Malaysia (Malaya)

#### NOBILE species-group

<b>asishi</b> Datta, 1988 .....	India (West Bengal)
<b>baltazarae</b> Delfinado, 1962 .....	Philippines (Luzon, Cebu, Leyte, Mindanao, Mindoro, Negros, Samar)
[ <i>nobile</i> : Delfinado, 1969, not De Meijere]	
<b>benquetense</b> Takaoka, 1983 .....	Philippines (Luzon)
<b>cotabatoense</b> Takaoka, 1983 .....	Philippines (Mindanao)
<b>delfinadoe</b> Takaoka, 1983 .....	Philippines (Negros, Luzon)
'A' Delfinado, 1969 ( <i>Simulium</i> sp.)	
<b>latistylum</b> Takaoka, 1983 .....	Philippines (Palawan)
<b>leytense</b> Takaoka, 1983 .....	Philippines (Leyte, Luzon, Negros, Panay)
<b>nobile</b> De Meijere, 1907 .....	Indonesia (Java, Sumatra); Malaysia (Malaya, Sabah), Thailand
<i>kiuliense</i> Smart & Clifford, 1969 [Malaysia (Sabah)]	



<b>nodosum</b> Puri, 1933 .....	India (Karnataka, Assam, WB); China (Fu, Hainan, HK, Tibet, Yu), Thailand, Vietnam
<b>shirakii</b> Kono & Takahasi, 1940 (subst. name) .....	Taiwan. [‘Japan’ error]
<i>minutum</i> Shiraki, 1935 (preocc.)	
<i>shiraki</i> : incorrect subsequent spelling	
<b>timorensis</b> Takaoka, Hadi & Sigit, 2006 .....	Indonesia (West Timor, Flores)

#### NOELLERI species-group

<b>beringovi</b> Bodrova, 1988 .....	Siberia (Commander Islands FE)
<b>decorum</b> Walker, 1848 .....	Canada (Ontario, Alb, BC incl. Queen Charlotte Islands, Lab, Man, Nfld, NS, NWT, Que, Sask, Yukon); USA (Ala, Alaska, Col, Con, Del, Flo, Geo, Idaho, Ill, Ind, Kan, Maine, Mas, Mic, Min, Misp, Misr, Mon, NC, Neb, NH, NJ, NY, Ohio, Pen, RI, SC, Ten, Utah, Vir, Was, Wis, WV, Wyo). [Not Old World (misidentified)]
<i>katmai</i> Dyar & Shannon, 1927 [USA (Alaska)]	
<i>ottawaense</i> Twinn, 1936 [Canada (Quebec)]	
‘C’ Fredeen, 1956 ( <i>Simulium</i> sp.)	
‘1’ Anderson & Dicke, 1960 ( <i>Simulium</i> sp.)	
[ <i>piscidium</i> : Johannsen, 1902 / O’Kane, 1926, not Riley]	
<b>dolini</b> Usova & Sukhomlin, 1989 .....	Ukraine; Belarus
<b>nikkoense</b> Shiraki, 1935 .....	Japan (Honshu, Hok, Ky, Sh); China (IM, Jilin, Li), Korea (South)
<i>triangulare</i> Rubtsov, 1963 (ssp. of <i>argyreatum</i> ) [Japan (Honshu)]	
<i>nikeoense</i> , <i>nikkaense</i> : incorrect subsequent spellings	
[ <i>argyreatum</i> : Chinese and Japanese authors, not Meigen]	
[ <i>decorum</i> : authors, not Walker]	
[ <i>noelleri</i> : authors, not Friederichs]	
<b>noelleri</b> Friederichs, 1920 (complex) .....	Germany; Armenia, Austria, Belarus, Belgium, Bosnia, Britain (CI, En, Sc, Wa), Canada (Man, Nun, NWT, Yukon), China (IM, Li), Czech Republic, Denmark, Estonia, Finland, France, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Mongolia, Netherlands, Norway, Poland, Romania, Russia (CR, KM, NR, SR), Serbia, Siberia (ES, WS), Slovakia, Slovenia, Sweden, Switzerland, Turkey, Ukraine, USA (Alaska)
<i>subornatum</i> Edwards, 1920 [Britain (England)]	
<i>tenuimanus</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i> )	
<i>tenuimanus</i> Enderlein, 1921 [June] (available) [Germany]	
<i>septentrionale</i> Enderlein, 1935 [Russia (Murmansk)]	
<i>lindneri</i> (Enderlein, 1943) [Austria]	
<i>avidum</i> Rubtsov, 1963 (unav., var. post-1960, preocc.)	
<i>bononii</i> Rubtsov, 1964 (unav., var. post-1960)	
‘I’ Puri, 1926 ( <i>Simulium</i> sp.)	
‘indet.’ Edwards, 1933 ( <i>Simulium</i> s. str. sp.)	
‘near <i>decorum</i> ’ Shewell, 1957 ( <i>Simulium</i> sp.)	
‘Churchill’ Feraday, 1984 ( <i>decorum</i> cytoform)	
‘nr. churchill’ Hershey, Merritt & Miller, 1995 ( <i>decorum</i> cytoform)	
‘A’ Adler & Kachvoryan, 2001 (cytoform, typical) .....	Britain (En, Sc), Germany, Russia (NR)
‘B’ Adler & Kachvoryan, 2001 (cytoform) .....	Canada (Man, Nun, NWT, Yukon), Finland, Siberia (FE), Sweden
‘C’ Adler & Kachvoryan, 2001 (cytoform) .....	Armenia
<i>nöller</i> : incorrect original and subsequent spelling	
<i>molleri</i> , <i>noellery</i> , <i>nolleri</i> : incorrect subsequent spellings	
[ <i>argyreatum</i> : authors (incl. Rothfels, 1979), not Meigen]	
[ <i>behningi</i> (part): Rubtsov, 1956, 1963 / Chinese authors, not Enderlein]	
[ <i>decorum</i> : Palearctic authors, not Walker]	
<b>palustre</b> Rubtsov, 1956 .....	Siberia (Irkutskaya ES, FE, WS); China (IM), Ukraine
<b>parargyreatum</b> Rubtsov, 1979 .....	Tajikistan
<b>tshuni</b> (Yankovsky, 2006) .....	Russia (Murmansk KM)
<b>vershininae</b> Yankovsky, 1982 .....	Siberia (Chitinskaya ES)

#### ORNATUM species-group

<b>adventicium</b> Datta, 1985 .....	India (Himachal Pradesh)
<b>baracorne</b> Smart, 1944 (subst. name) .....	Serbia; Bulgaria, Greece, Romania, Slovakia, Turkey, Ukraine (Crimea), Uzbekistan
<i>ruficorne</i> (Baranov, 1926) (preocc.) [Serbia]	
<i>primum</i> (Baranov, 1926) ( <i>ruficorne</i> form, preocc.) [Serbia]	
<i>secundum</i> (Baranov, 1926) ( <i>ruficorne</i> form, preocc.) [Serbia]	
<i>ponticum</i> (Rubtsov, 1956) [Ukraine]	
<i>acutipallus</i> (Rubtsov, 1963) [Ukraine]	

<i>barocornis</i> : incorrect subsequent spelling	
<b>bronchiale</b> (Rubtsov, 1962) .....	Russia (St Petersburg CR)
<b>chowettani</b> Yankovsky, 1996 (subst. name, malformed) .....	China (Beijing)
<i>septentrionale</i> (Tan & Chow, 1976) (preocc.)	
<b>croaticum</b> (Baranov, 1937) .....	Croatia; Germany (?)
<i>decoloratum</i> (Baranov, 1937) [Croatia]	
<i>nigrinum</i> (Baranov, 1937) [Croatia]	
<b>deserticola</b> Rubtsov, 1940 .....	Mongolia; Romania, Tajikistan, Ukraine, Uzbekistan
<b>egregium</b> Séguy, 1930 .....	Morocco
<b>emeinesis</b> An, Xue & Song, 1991 .....	China (Sichuan)
<i>omeinesis</i> : incorrect subsequent spelling	
<b>ferganicum</b> Rubtsov, 1940 .....	Kyrgyzstan; China (Sh), Kazakhstan, Siberia (WS), Tajikistan, Turkmenistan, Uzbekistan
<i>ferghanicum</i> : incorrect subsequent spelling	
<b>flaveolum</b> Rubtsov, 1940 .....	Tajikistan; Kyrgyzstan, Siberia (Altai WS), Turkmenistan, Uzbekistan
<i>flaviolum</i> : incorrect subsequent spelling	
<b>fontanum</b> Terteryan, 1952 .....	Armenia; Azerbaijan, Romania, Russia (SR), Turkey
<b>frigidum</b> Rubtsov, 1940 .....	Siberia (ES, WS); Belarus, Finland, Lithuania, Norway, Poland, Romania, Russia (CR, NR), Sweden, Ukraine
<i>brigida</i> : incorrect subsequent spelling	
<b>fuscum</b> (Rubtsov, 1963) .....	Russia (St Petersburg CR, NR)
<i>fuscatum</i> Yankovsky, 1996 (unnecessary subst. name)	
<b>intermedium</b> Roubaud, 1906 .....	Canary Islands (Tenerife, Gomera, Gran Canaria, La Palma); Algeria, Andorra, Austria, Balearic Islands (Majorca, Minorca), Belarus, Belgium, Britain (En, Sc, Wa), Bulgaria, Denmark, Finland, France (incl. Corsica), Germany, Ireland, Italy (incl. Sardinia, Sicily), Lithuania, Luxembourg, Madeira, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovenia, Spain, Sweden, Tunisia, Ukraine. [‘Lebanon’, as <i>nitidifrons</i> , error]
<i>nitidifrons</i> Edwards, 1920 [Britain (England)]	
<i>specularifrons</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i> )	
<i>specularifrons</i> (Enderlein, 1921 [June]) (available) [Norway]	
<i>h-nigrum</i> (Santos Abreu, 1922) [Canary Islands (La Palma)]	
<i>insolitum</i> (Santos Abreu, 1922) [Canary Islands (La Palma)]	
<i>maderense</i> (Carlsson, 1963) [Madeira]	
<i>flavitibia</i> (Rivosecchi, 1966) [Italy]	
‘C’ Rothfels, 1979 ( <i>ornatum</i> cytoform) .....	Britain (En), Norway
‘D’ Rothfels, 1979 ( <i>ornatum</i> cytoform) .....	Germany, Norway, Balearic Islands (Majorca)
‘A’ Post, 1980 ( <i>intermedium</i> cytoform) .....	Britain (En)
‘B’ Post, 1980 ( <i>intermedium</i> cytoform) .....	Britain (En)
<i>nitidipennis</i> , <i>nitidipenuis</i> : incorrect subsequent spellings	
[ <i>ornatum</i> : authors (Macaronesian islands), not Meigen]	
<b>iwatense</b> (Shiraki, 1935) .....	Japan (Honshu); China (Hubei), Siberia (FE incl. Sakhalin)
<i>albatum</i> (Rubtsov, 1962) [Japan (Honshu)]	
<i>ivatensis</i> : incorrect subsequent spelling	
[ <i>ornatum</i> : Bentinck, 1955 / Okada, 1972, not Meigen]	
<b>kanchaveli</b> (Machavariani, 1966) .....	Georgia
<b>kiritshenkoi</b> Rubtsov, 1940 .....	Iran; Armenia, Azerbaijan, Bulgaria, Cyprus, Iran, Iraq, Pakistan, Romania, Russia (Caucasus), Tajikistan, Turkey, Ukraine
<i>caucasicum</i> Rubtsov, 1940 [Armenia]	
<i>sevanense</i> Rubtsov & Terteryan, 1952 [Armenia]	
<i>cisalpinum</i> (Rubtsov, 1956) [Armenia]	
<i>longicaulis</i> (Rubtsov, 1956) [Russia (Caucasus)]	
<i>abacum</i> (Rubtsov, 1963) (unav., var. post-1960)	
<i>minutistyli</i> (Rubtsov, 1963) (unav., var. post-1960)	
<i>maculitibia</i> (Rubtsov, 1963) (unav., var. post-1960)	
<i>kiritshentko</i> , <i>kiritshentkovi</i> : incorrect subsequent spellings	
<b>mesasiaticum</b> Rubtsov, 1947 .....	Kazakhstan; Tajikistan, Uzbekistan
<b>ornatum</b> Meigen, 1818 (complex) .....	Germany; Algeria, Andorra, Austria, Belarus, Belgium, Bosnia, Britain (CI, En, Sc, Wa), Bulgaria, China (Gu, Jilin, Li, Yu), Croatia, Czech Republic, Denmark, Estonia, Finland, France, Greece (incl. Crete, Rhodes), Hungary, Ireland, Israel, Italy (incl. Sardinia, Sicily), Jordan, Kazakhstan, Latvia, Lebanon, Liechtenstein, Lithuania, Luxembourg, Macedonia, Mongolia, Montenegro, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CR, KM, NR, SR),
<i>fasciatum</i> Meigen, 1830 [Germany]	
<i>crassitarse</i> Macquart, 1834 [Italy (Sicily)]	
<i>tibiale</i> Macquart, 1834 [France]	
<i>pratorum</i> Friederichs, 1920 [Germany]	
<i>konsuloffi</i> (Enderlein, 1924) [Bulgaria]	
<i>primum</i> (Baranov, 1926) ( <i>ornatum</i> form, preocc.) [Serbia]	
<i>secundum</i> (Baranov, 1926) ( <i>ornatum</i> form, preocc.) [Macedonia & Serbia]	

<i>babici</i> (Baranov, 1937) [Macedonia]	
<i>borcici</i> (Baranov, 1937) [Macedonia]	
<i>bartulici</i> (Baranov, 1937) [Serbia]	
<i>guelminoi</i> (Baranov, 1937) [Serbia]	
<i>nikolici</i> (Baranov, 1937) [Serbia]	
<i>anderlicecki</i> (Baranov, 1937) [Serbia]	
<i>zagrebiense</i> (Baranov, 1937) [Croatia]	
<i>barense</i> (Baranov, 1939) [Montenegro]	
<i>arensae</i> Rubtsov, 1940 [Siberia (Magadanskaya)]	
<i>oblimatum</i> (Odintsov, 1961) [Russia (Vladimirskaya)]	
<i>hibernale</i> (Rubtsov, 1962) (unav., var. post-1960)	
<i>brevicorne</i> (Rubtsov, 1962) (unav., var. post-1960)	
<i>ammis</i> (Rubtsov, 1962) [Russia (Orlovskaya)]	
<i>curvifila</i> (Rivosecchi, 1963) (unav., form post-1960)	
<i>albifrons</i> (Rubtsov, 1964) (unav., var. post-1960)	
<i>hibernale</i> (Rivosecchi, 1966) (available) [Italy (incl. Sicily)]	
<i>apenninicum</i> (Rivosecchi, 1966) [Italy]	
<i>albifrons</i> (Rubtsov, 1967) (available) [Italy]	
<i>curvifila</i> (Rivosecchi, 1978) (available) [Italy]	
‘High hill’ Obeng, 1965 (morphoform) .....	Britian (Wales)
‘1’ Rubtsov, 1967 ( <i>ornatum</i> ssp.) .....	Italy
‘2’ Rubtsov, 1967 ( <i>ornatum</i> ssp.) .....	Italy
‘3’ Rubtsov, 1967 ( <i>ornatum</i> ssp.) .....	Italy
‘4’ Rubtsov, 1967 ( <i>ornatum</i> ssp.) .....	Italy
‘5’ Rubtsov, 1967 ( <i>ornatum</i> ssp.) .....	Italy
‘6’ Rubtsov, 1967 ( <i>ornatum</i> ssp.) .....	Italy
‘7’ Rubtsov, 1967 ( <i>ornatum</i> ssp.) .....	Italy
‘B’ Rothfels, 1979 (cytoform) .....	Germany (incl. Aachen, type loc. of <i>ornatum</i> )
‘A’ Post, 1980 (cytoform) .....	Britain (England)
‘B’ Post, 1980 (cytoform) .....	Britain (England)
‘C’ Post, 1980 (cytoform) .....	Britain (England)
‘E’ Post, 1980 (cytoform) .....	Britain (England)
<i>arnatum, omata</i> : incorrect subsequent spellings (lapsus for <i>ornatum</i> )	
<i>borici</i> : incorrect subsequent spelling	
<i>omatum, ornatam, ornate, ornatha</i> : incorrect subsequent spellings	
[ <i>regelationis</i> : Meigen, 1803, 1804, not Linnaeus]	
<b>pontinum</b> Rivosecchi, 1960 .....	Italy
<b>rotundatum</b> (Rubtsov, 1956) .....	Russia (Murmansk KM, CR); Bulgaria, Norway, Poland, Romania, Sweden, Ukraine
<b>savici</b> (Baranov, 1937) .....	Serbia; Croatia
<i>tenuitarsus</i> (Baranov, 1937) (preocc.) [Croatia]	
<i>baranovi</i> Smart, 1944 (subst. name)	
<b>simoffi</b> (Enderlein, 1924) .....	Bulgaria
<b>trifasciatum</b> Curtis, 1839 .....	Britain (England, CI); Andorra, Austria, Belgium, Bulgaria, Czech Republic, Denmark, France, Germany, Greece, Hungary, Ireland, Italy, Lithuania, Netherlands, Poland, Portugal, Slovakia, Slovenia, Spain, Switzerland, Turkey, Ukraine
<i>angustimanus</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i> )	
<i>angustimanus</i> (Enderlein, 1921 [June]) (available) [Germany]	
<i>wilhelmiana</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i> )	
<i>wilhelmianum</i> (Enderlein, 1921 [June]) (available) [Germany]	
<i>nigriperna</i> (Enderlein, 1922) [France]	
<i>odagmiina</i> (Enderlein, 1922) [Germany]	
<i>spinosum</i> Doby & Deblock, 1957 [Austria]	
? ‘A’ Rothfels, 1979 ( <i>ornatum</i> cytoform)	

#### PARNASSUM species-group

<b>parnassum</b> Malloch, 1914 .....	USA (New Hampshire, Ala, Con, Geo, Maine, Mas, Misr, NC, NJ, NY, Pen, SC, Ten, Ver, Vir, WV); Canada (Lab, NB, NS, Ont, Que)
<i>rileyanum</i> (Enderlein, 1922) [USA (New York)]	
<i>hydationis</i> Dyar & Shannon, 1927 [USA (Virginia)]	

PETERSONI species-group

- petersoni** Stone & DeFoliart, 1959 ..... USA (Wyoming, Cal, Idaho, Nev, Ore, Utah)  
 ‘#3’ Peterson, 1955 (*Simulium* sp.)

REPTANS species-group

- banaticum** Dinulescu, 1966 ..... Romania  
**colombaschense** (Scopoli, 1780) [usually attrib. Fabricius, 1787] ..... Serbia; Austria, Bosnia, Bulgaria, Germany, Hungary, Italy, Romania, Slovakia. [‘Lithuania’ error]  
*lanio* (Linnaeus, 1771) [‘Bannat’ (middle Danube region)]  
*columbaczense* (Schoenbauer, 1795) [Serbia/Romania] [For dating and authorship of *colombaschense*, see Thompson, Entomological News 112: 125-128 (2001)]  
*flaviventre* Strobl, 1898 [Bosnia]  
*violaceum* Enderlein, 1922 [‘Banat’, Hungary or Romania]  
*profundale* Baranov, 1937 [Serbia]  
*litorale* Baranov, 1937 [Serbia]  
*intermedium* (Baranov, 1939) (preocc.) [Serbia]  
*colobatzensis*, *colombachense*, *colombascenze*, *columbacsense*, *columbascenze*, *columbaschense*, *columbaszense*, *columbaczensis*, *columbatschense*, *columbatzense*, *columbaczense*, *kolumbatzense*: incorrect subsequent spellings  
**flavicans** Rubtsov, 1956 ..... Uzbekistan  
**flavigaster** Rubtsov, 1969 ..... Mongolia; Siberia (ES)  
**galeratum** Edwards, 1920\*\* ..... Britain (England), Lithuania  
**kurense** Rubtsov & Djafarov, 1951 ..... Azerbaijan; Armenia, Uzbekistan  
*shachbuzicum* Djafarov, 1960 [Azerbaijan]  
**latitarsus** Rubtsov, 1971 ..... Mongolia  
*mongolense* Yankovsky, 1996 (unnecessary subst. name)  
**liriense** Rivosecchi, 1961 ..... Italy  
**nanum** Zetterstedt, 1838 ..... Sweden; Norway, Russia (KM) (?)  
*nana* Zetterstedt, 1837 (unav., *nomen nudum*)  
**parvum** Enderlein, 1921 [June] ..... ‘Europe’  
*parvum* Enderlein, 1921 [April] (unav., *nomen nudum*)  
**pulchripes** Austen, 1925 ..... Turkey  
**remotum** Rubtsov, 1956 ..... China (Beijing area)  
**reptans** (Linnaeus, 1758) ..... Sweden /‘Lapland’; Austria, Belarus, Belgium, Bosnia, Britain (En, Sc, Wa), Bulgaria, China (He, Xi), Czech Republic, Denmark, Finland, France, Germany, Hungary, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Netherlands, Norway, Poland, Portugal, Romania, Russia (CR, KM, NR incl. Novaya Zemlya, SR), Serbia, Siberia (ES, WS), Slovakia, Spain, Switzerland, Turkey, Ukraine, Uzbekistan  
*nigrum* (Linnaeus, 1746, *niger*) (no status, pre-1758 name)  
*sericeum* (Linnaeus, 1767) [Sweden]  
*sanguinarium* (Pallas, 1771) [Russia (Volga River)]  
*argyropeza* (Meigen, 1804) [Germany]  
*varipes* (Meigen, 1818) (unav., publ. as synonym)  
*elegans* Meigen, 1818 [Germany]  
*cinctum* Meigen, 1830 [Germany]  
*pictum* Meigen, 1838 [Germany]  
 ? *humerale* Zetterstedt, 1855 [Sweden]  
*latimanus* Enderlein, 1921 [April] (unav., *nomen nudum*)  
*latimanus* Enderlein, 1921 [June] (available) [Britain (England)]  
*heidenreichi* Enderlein, 1921 [Germany]  
*heringi* Enderlein, 1925 [Poland]  
*ornatoides* Baranov, 1926 (valid emendation of *ornatoide*) [Serbia]  
*calopum* Baranov, 1926 [Serbia]  
*pseudocolumbaczense* Baranov, 1937 [Serbia]  
*tumanicum* Baranov, 1937 [Serbia]  
*vardaricum* Baranov, 1937 [Macedonia]  
*pukovacense* Baranov, 1937 [Macedonia]  
*glumovoense* Baranov, 1937 [Macedonia]  
*agnatum* Baranov, 1937 [Serbia]  
*reptantoides* Carlsson, 1962 [unspecified European]  
 ? *knechteli* Dinulescu, 1966 [Romania]  
 ‘2’ Muráriková, 2005 (morphoform)

‘A’ Day, Goodall & Post, 2008 (molecular form)	
‘B’ Day, Goodall & Post, 2008 (molecular form)	
<i>glumovense</i> : incorrect subsequent spelling	
<i>ornatoide</i> : incorrect original spelling	
<i>pukovaense</i> : incorrect subsequent spelling	
<i>reptantoide</i> : incorrect subsequent spelling	
<i>sangvinarium</i> : incorrect subsequent spelling	
<b>tanetchowi</b> Yankovsky, 1996 (subst. name, malformed) .....	China (Beijing)
<i>rheophilum</i> Tan & Chow, 1976 (preocc.)	
<b>tarnogradskii</b> Rubtsov, 1940 .....	Russia (Caucasus); Armenia, Azerbaijan, Uzbekistan
<i>tarnograskii</i> : incorrect subsequent spelling	
<b>voilense</b> Sherban, 1960 .....	Romania; Italy, Serbia, Slovakia, Ukraine
<b>zetterstedti</b> Carlsson, 1962 .....	Sweden

#### SLOSSONAE species-group

<b>nemuroense</b> Takaoka & Saito, 2002 .....	Japan (Hokkaido)
<b>rugglesi</b> Nicholson & Mickel, 1950 .....	USA (Minnesota, Alaska, Maine, Mic, Wis); Canada
‘M’ Fredeen, 1951 (thesis) ( <i>Simulium</i> sp.)	(Alb, Lab, Man, NB, NWT, Ont, Que, Sask)
<i>ruggle</i> , <i>ruggles</i> : incorrect subsequent spelling	
[ <i>bracteatum</i> : Walker, 1927, not Coquillett]	
[ <i>venustum</i> : O’Roke, 1930, 1931, 1934, not Say 1823]	
[ <i>venustum</i> : Fallis <i>et al.</i> , 1951, not Say 1823]	
<b>slossonae</b> Dyar & Shannon, 1927 .....	USA (Florida, Ala, Ark, Geo, Lou, NC, SC, Texas, Vir)
<i>slossonal</i> : incorrect subsequent spelling	
<b>transiens</b> Rubtsov, 1940 .....	Siberia (Irkutskaya ES, FE, WS); Canada (Alb, BC,
<i>transiens</i> [and <i>transins</i> , lapsus] Rubtsov, 1939 (unav., <i>nomen nudum</i> )	Man, NWT, Sask, Yukon), China (IM), Finland,
‘R’ Fredeen, 1951 (thesis) ( <i>Simulium</i> sp.)	Latvia, Mongolia, Poland, Russia (CR, KM, NR),
<i>trinsiens</i> : incorrect subsequent spelling	Sweden, USA (Alaska)

#### STRIATUM species-group

<b>argyrocinctum</b> De Meijere, 1913 .....	Indonesia (Java, Sumatra)
<b>bagmaticum</b> Maskey, 1987 [1985] .....	Nepal
<b>bahense</b> Chen, 2003 .....	China (Yunnan)
<i>behense</i> : incorrect original spelling	
<b>chiangmaiense</b> Takaoka & Suzuki, 1984 .....	Thailand; China (Yu), Vietnam
<b>consimile</b> Puri, 1932 .....	India (Punjab, HP); Pakistan, Sri Lanka
<b>grisescens</b> Brunetti, 1911 .....	India (West Bengal, ArP, Assam, HP, Ka, Ke, Ma, Me,
<i>longiunguis</i> (Enderlein, 1936) [Taiwan]	Mr, Na, Pu, TN); Bhutan, Pakistan, Taiwan. [‘Japan’,
<i>gresescens</i> : incorrect subsequent spelling	‘Korea’, ‘Thailand’ errors]
<b>jeffreysi</b> Takaoka & Davies, 1995 .....	Malaysia (Malaya); Vietnam
<b>kapuri</b> Datta, 1975 .....	India (Assam, WB)
<b>kariyai</b> (Takahasi, 1940)* .....	China (Inner Mongolia)
<b>menglaense</b> Chen, 2003 .....	China (Yunnan, Hainan)
<b>nakhonense</b> Takaoka & Suzuki, 1984 .....	Thailand; China (Hainan), Vietnam
<i>nakhnense</i> , <i>nakhoensis</i> , <i>nakhorensis</i> : incorrect subsequent spellings	
<b>pallidum</b> Puri, 1932 .....	India (Punjab, HP); Pakistan
<b>palmatum</b> Puri, 1932 .....	India (Maharashtra, Ka, Ke)
<b>pingtungense</b> Huang & Takaoka, 2008 .....	Taiwan
<b>quinquestriatum</b> (Shiraki, 1935) .....	Taiwan; China (Fu, Gd, Gu, Hainan, HK, Hubei, Jx, Li,
<i>5-striatum</i> : incorrect original spelling	Si, Tibet, Yu), Japan (Ky, NI, Sh), Korea (South),
<i>quinquentriatum</i> : incorrect subsequent spelling	Thailand, Vietnam
[ <i>grisescens</i> : Bentinck, 1955, not Brunetti]	
<b>striatum</b> Brunetti, 1912 .....	Sri Lanka; Bhutan, India (Ka, Ke, Ma, TN)
<i>latistriatum</i> Senior-White, 1922 [India (Tamil Nadu)]	
<i>cinquestriatum</i> : incorrect subsequent spelling (lapsus for <i>striatum</i> )	
<b>subpalmatum</b> Davies & Györkös, 1992 .....	Sri Lanka
<b>thailandicum</b> Takaoka & Suzuki, 1984 .....	Thailand; China (Yu), Vietnam

*thailandicum*: incorrect subsequent spelling  
**wuzhishanense** Chen, 2003 ..... China (Hainan)

TUBEROSUM species-group

**aeneifacies** Edwards, 1933 ..... Malaysia (Sabah)  
*aenifacies*: incorrect subsequent spelling  
**alberti** Takaoka, 2008 ..... Malaysia (Sabah)  
**angustifilum** Rubtsov, 1947 ..... Tajikistan  
*anguslifulum, angustifilium, angustiphilum*:  
 incorrect subsequent spellings  
**annulitarse** Zetterstedt, 1838 ..... Sweden; Canada (Nun), Finland, Russia (CR, KM),  
*annulitarsis* Zetterstedt, 1837 (unav., *nomen nudum*)  
*minutissimum* Zetterstedt, 1850 [Sweden]  
 ‘FGIO’ Adler & Kuusela, 1994 (*tuberosum* cytoform)  
**appalachiense** Adler, Currie & Wood, 2004 ..... USA (South Carolina, Ala, Geo, Ken, Maine, Mar, Mas,  
 ‘CDE’ Landau, 1962 (*tuberosum* cytoform)  
 ‘CDE-2’ Mason, 1982 (*tuberosum* cytoform)  
 ‘CDEM’ Mason, 1984 (*tuberosum* cytoform)  
**arisanum** Shiraki, 1935 ..... Taiwan. [‘Japan’ error]  
**biforamiferum** Datta, 1974 ..... India (West Bengal); Bhutan  
**brevipar** Takaoka & Davies, 1995 ..... Malaysia (Malaya); Indonesia (Sumatra), Thailand  
**chromocentrum** Adler, Currie & Wood, 2004 ..... USA (California)  
**conundrum** Adler, Currie & Wood, 2004 ..... USA (West Virginia, Ala, Geo, Ken, Mic, NC, NH, NY,  
 ‘FGH’ Landau, 1962 (*tuberosum* cytoform)  
 Pen, SC, Ten, Vir); Canada (Alb, BC, Lab, NB, Nfld,  
 NWT, Ont, PEI, Que incl. Magdalen Islands, Sask)  
**corpulentum** Rubtsov, 1956 ..... Russia (Permskaya CR, SR)  
**doipuiense** Takaoka & Choochote, 2005 (complex) ..... Thailand  
 ‘E’ Takaoka & Suzuki, 1984 (*Simulium* sp.)  
 ‘A’ Tangkawanit, Kuvangkadilok, Baimai & Adler, 2009 (cytoform)  
 ‘B’ Tangkawanit, Kuvangkadilok, Baimai & Adler, 2009 (cytoform)  
**gusevi** Rubtsov, 1976 ..... Russia (Kuybyshev CR)  
**janzeni** Enderlein, 1922 ..... Austria; Latvia, Romania  
 ‘4’ Kunze, 1953 (*Simulium* species)  
**jugatum** Boldarueva, 1979 ..... Siberia (Buryatskaya ES)  
**keningauense** Takaoka, 2008 ..... Malaysia (Sabah, Sarawak)  
 [*sabahense*: Smart & Clifford, 1969 (part)]  
**lunduense** Takaoka, 2008 ..... Malaysia (Sarawak)  
**manooni** Takaoka & Choochote, 2005 ..... Thailand  
 ‘species 1’ Tangkawanit, Kuvangkadilok, Baimai &  
 Adler, 2009 (cytoform)  
**masilauense** Takaoka, 2008 ..... Malaysia (Sabah)  
**neurufibasis** Sun, 1994 ..... China (Liaoning)  
**nigrifacies** Datta, 1974 ..... India (West Bengal); China (Tibet)  
**nitidithorax** Puri, 1932 ..... India (West Bengal, ArP); China (Fu, Hainan, Tibet).  
 [‘Thailand’ error]  
**perissum** Dyar & Shannon, 1927 ..... USA (Virginia, Ala, Ark, Geo, Ill, Ind, Iowa, Kan, Ken,  
 ‘CKL’ Landau, 1962 (*tuberosum* cytoform)  
 Lou, Maine, Mar, Min, Misp, Misr, Neb, NJ, Ohio, Okl,  
 [*tuberosum*: authors (Nebraska), not Lundström]  
 Pen, SC, Ten, Texas, Wis, WV); Canada (Ont)  
**polare** Rubtsov, 1940 ..... Siberia (Taymyrsky WS, ES); Russia (NR, SR)  
**pradyai** Takaoka, 2008 ..... Bhutan, Nepal  
**prominentum** Chen & Zhang, 2002 ..... China (Guizhou)  
**puliense** Takaoka, 1979 ..... Taiwan  
**pullus** Rubtsov, 1956 ..... Uzbekistan  
**quasifrenum** Delfinado, 1971 ..... Philippines (Palawan)  
**ramosum** Puri, 1932 ..... India (Himachal Pradesh, WB); Nepal, Pakistan  
**rangjungense** Takaoka & Somboon, 2008 ..... Bhutan  
**rufibasis** Brunetti, 1911 ..... India (West Bengal, ArP, HP, Me, Mr, Sik); Burma,  
*fasciatum* Puri, 1932 (preocc.) [India (Himachal Pradesh)] ..... China (Fu, Gu, Hubei, Li, Si, Tibet, Yu), Japan (Hok,

<i>yokotense</i> Shiraki, 1935 [Japan (Honshu)]	Hon, Ky, NI, Sh), Korea (South), Nepal, Pakistan,
‘J-5’ Bentinck, 1955 ( <i>Simulium</i> sp.)	Taiwan, Thailand
<i>rufiasis</i> : incorrect subsequent spelling	
<b>sabahense</b> Smart & Clifford, 1969 .....	Malaysia (Sabah, Sarawak)
<b>setsukoae</b> Takaoka & Choochote, 2004 .....	Thailand
‘D’ Takaoka & Suzuki, 1984 ( <i>Simulium</i> sp.)	
‘H’ Thanwisai, 2004 (thesis) ( <i>Simulium</i> sp.)	
‘nr. <i>rufibasis</i> ’ Thanwisai, Kuvangkadilok & Baimai, 2006 ( <i>Simulium</i> sp.)	
<b>shennongjiaense</b> Yan, Luo & Chen, 2005 .....	China (Hubei)
<b>sigiti</b> Takaoka & Hadi, 1991 .....	Indonesia (Java)
<b>splendidum</b> Rubtsov, 1940 .....	Siberia (Irkutskaya ES, FE, WS); China (‘Manchuria’), Russia (KM)
<i>splendidum</i> Stulkokina, 1939 (unav., <i>nomen nudum</i> , attrib. Rubtsov)	
<i>splendidum</i> Rubtsov, 1939 (unav., <i>nomen nudum</i> )	
<b>subtile</b> Rubtsov, 1956 .....	Russia (Caucasus); Italy, Romania
<b>suzukii</b> Rubtsov, 1963 .....	Japan (Honshu, Hok, Ky, NI, Sh); China (Gu, HK, Jx, Si, Yu), Korea (South), Siberia (FE incl. Sakhalin), Taiwan
<i>ryukyuense</i> Ogata, 1966 [Japan (Okinawa)]	
<i>suzukii</i> : incorrect subsequent spelling	
[ <i>tuberosum</i> : authors (Japan), not Lundström]	
<b>tani</b> Takaoka & Davies, 1995 (complex) .....	Malaysia (Malaya); China (Jilin), Indonesia (Sumatra), Thailand, Vietnam
‘A’ Tangkawanit, Kuvangkadilok, Baimai & Adler, 2009 (cytoform).	Thailand
‘B’ Pramual, Kuvangkadilok, Baimai & Walton, 2005 (cytoform)	
‘B’ Tangkawanit, Kuvangkadilok, Baimai & Adler, 2009 (cytoform)	Thailand
‘A’ Pramual, Kuvangkadilok, Baimai & Walton, 2005 (cytoform)	
‘C’ Tangkawanit, Kuvangkadilok, Baimai & Adler, 2009 (cytoform)	Thailand
‘D’ Tangkawanit, Kuvangkadilok, Baimai & Adler, 2009 (cytoform)	Thailand
‘E’ Tangkawanit, Kuvangkadilok, Baimai & Adler, 2009 (cytoform)	Thailand
‘F’ Tangkawanit, Kuvangkadilok, Baimai & Adler, 2009 (cytoform)	Thailand
‘G’ Tangkawanit, Kuvangkadilok, Baimai & Adler, 2009 (cytoform)	Thailand
‘H’ Tangkawanit, Kuvangkadilok, Baimai & Adler, 2009 (cytoform)	Thailand
‘I’ Tangkawanit, Kuvangkadilok, Baimai & Adler, 2009 (cytoform)	Thailand
‘J’ Tangkawanit, Kuvangkadilok, Baimai & Adler, 2009 (cytoform)	China
[ <i>nitidithorax</i> : Crosskey, 1973 / Takaoka & Suzuki, 1984, not Puri]	
<b>tianchi</b> Chen, Zhang & Yang, 2003 .....	China (Hainan)
<i>truncatum</i> Guo, Zhang, An, Zhang, Zheng, Dong & Zhao, 2008 (junior primary homonym of <i>truncatum</i> Lundström, 1911, but no available subst. name) .....	China (Xinjiang)
<b>tuberosum</b> (Lundström, 1911)* .....	Finland; Canada (Alb, BC, Lab, Man, NB, Nfld, Nun, NWT, Ont, PEI, Que, Sask, Yukon), Norway, Russia (CR, KM, NR), Siberia (ES, FE, WS), Sweden, USA (Ala, Alaska, Ark, Col, Flo, Geo, Ind, Ken, Maine, Mic, Min, Misp, Misr, Mon, NC, NH, NJ, NM, NY, Ohio, Okl, Pen, SC, Ten, Vir, Wis, WV), Andorra (?), Belarus (?), Belgium (?), Bosnia (?), Britain [not <i>tuberosum</i> s. str.] (En, Sc, Was), Bulgaria (?), Czech Republic (?), France (?), Germany [not <i>tuberosum</i> s. str.], Ireland (?), Lithuania (?), Poland (?), Portugal (?), Romania (?), Slovakia (?), Slovenia (?), Spain (?), Switzerland (?), Turkey (?), Ukraine (?). [‘Mexico’ error]
? ‘2’ Jenkins, 1948 ( <i>Simulium</i> sp.)	
‘AB’ Landau, 1962 (cytoform)	
‘A’ Wong, 1976 (thesis) (morphoform)	
‘A’ Mason, 1982 (cytoform)	
‘Y <sub>2</sub> ’ Mason, 1982 (cytoform)	
<i>tuberosum</i> : incorrect subsequent spelling	
<b>tumulosum</b> Rubtsov, 1956 .....	Siberia (Irkutskaya ES, FE, WS); China (Jilin), Finland, Mongolia, Norway, Russia (NR), Sweden
<b>twinni</b> Stains & Knowlton, 1940 .....	USA (Utah, Cal, Col, Mon, Ore, Wyo); Canada (Alb, BC)
‘FG/FG’ McCreadie, Adler & Burger, 1997 ( <i>tuberosum</i> cytoform)	
<b>ubiquitum</b> Adler, Currie & Wood, 2004 .....	USA (South Carolina, Ala, Ark, Del, Flo, Geo, Lou, Misp, NC, NJ, Ten, Texas, Vir)
‘F’ Adler & McCreadie, 1997 ( <i>tuberosum</i> cytoform)	
[ <i>tuberosum</i> : authors (southeastern USA), not Lundström]	
<b>vandalicum</b> Dyar & Shannon, 1927 .....	USA (California, Ala, Alaska, Ari, Ark, Col, Con, Geo,

<i>turmale</i> Twinn, 1938 [USA (Utah)]	Idaho, Ken, Maine, Mas, Mic, Misp, Mon, NC, NH,
‘FG’ Landau, 1962 ( <i>tuberosum</i> cytoform)	NJ, NM, NY, Ohio, Ore, Pen, SC, SD, Ten, Utah, Ver,
‘B’ Wong, 1976 (thesis) ( <i>tuberosum</i> morphoform)	Vir, Was, Wis, WV, Wyo); Canada (Alb, BC, Lab,
	Man, NB, NS, NWT, Ont, PEI, Que incl. Magdalen
	Islands, Sask, Yukon), Mexico (Du)
<b>vulgare</b> Dorogostaisky, Rubtsov & Vlasenko, 1935 .....	Siberia (Irkutskaya ES, FE, WS); Austria, Canada (Alb,
‘FGI’ Mason, 1982 ( <i>tuberosum</i> cytoform)	Nun, NWT, Yukon), China (He), Czech Republic,
<i>vurgare</i> : incorrect subsequent spelling	Finland, Germany, Latvia, Mongolia, Norway,
[ <i>tuberosum</i> : authors, not Lundström]	Romania, Russia (CR, NR, SR), Slovakia, Sweden,
	Ukraine, USA (Alaska), Uzbekistan
<b>weji</b> Takaoka, 2001 .....	Thailand
<b>yuphae</b> Takaoka & Choochote, 2005 .....	Thailand
[ <i>brevipar</i> : Takaoka & Saito, 1996 / Thanwisai, Kuvangkadilok &	
Baimai, 2006, not Takaoka & Davies]	
‘species 2’ Tangkawanit, Kuvangkadilok, Baimai &	
Adler, 2009 ( <i>Simulium</i> sp.) .....	Thailand

#### VARIEGATUM species-group

<b>argyreatum</b> Meigen, 1838 .....	Germany; Andorra, Austria, Bosnia, Britain (En, Sc,
<i>obreptans</i> Edwards, 1920 (unav., publ. as synonym)	Wa), Bulgaria, Czech Republic, Finland, France,
<i>montanum</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i> )	Hungary, Ireland, Italy, Luxembourg, Macedonia,
<i>montanum</i> Enderlein, 1921 [June] (available, preocc.) [Germany]	Norway, Poland, Portugal, Romania, Serbia,
<i>mehelyi</i> Enderlein, 1926 [Slovakia]	Slovakia, Slovenia, Spain, Sweden, Switzerland,
<i>polae</i> Smart, 1944 (subst. name, for <i>montanum</i> )	Turkey, Ukraine
<i>celticum</i> Doby & Rault, 1960 [France]	
<i>rheophilum</i> (Knoz, 1961) [Czech Republic]	
<i>daviesi</i> (Rubtsov, 1964) (unav., var. post-1960)	
<i>edwardsi</i> (Rubtsov, 1964) (unav., var. post-1960)	
<i>argireatum</i> , <i>argureatum</i> , <i>argyraetum</i> , <i>arygreatum</i> , <i>argyrestum</i> :	
incorrect subsequent spellings	
<i>mehelii</i> : incorrect subsequent spelling	
<i>obreptens</i> : incorrect subsequent spelling	
[ <i>monticola</i> : authors, not Friederichs]	
<b>atlasicum</b> Giudicelli & Bouzidi, 1989 .....	Morocco
<b>barnesi</b> Takaoka & Suzuki, 1984 .....	Thailand
[ <i>hackeri</i> : Edwards, 1928 (part, Thailand)]	
<b>berberum</b> Giudicelli & Bouzidi, 1989 .....	Morocco
<b>bullae</b> Davies & Györkös, 1987 .....	Sri Lanka
‘b’ Davies, 1984 ( <i>Simulium</i> sp.)	
<b>caohaiense</b> Chen & Zhang, 1997 .....	China (Guizhou)
<b>chamlongi</b> Takaoka & Suzuki, 1984 .....	Thailand; Burma, China (Tibet, Yu), Vietnam
<b>cognatum</b> An & Ge, 2009 .....	China (Tibet)
<b>cruszi</b> Davies & Györkös, 1992 .....	Sri Lanka
‘C’ Davies, 1984 ( <i>Simulium</i> sp., part)	
<b>debacli</b> Terteryan, 1952 .....	Armenia; Azerbaijan, Bulgaria, Romania, Turkey
<b>elongatum</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>exile</b> (Rubtsov, 1956) .....	Azerbaijan; Kazakhstan, Romania
<b>flavum</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>globosum</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>gribae</b> (Rubtsov, 1956) .....	Tajikistan
<b>gurneyae</b> Senior-White, 1922 .....	India (Tamil Nadu, Ka, Ma)
<b>hackeri</b> Edwards, 1928 .....	Malaysia (Malaya)
<b>himalayense</b> Puri, 1932 .....	India (West Bengal, ArP, Bihar, HP, Mr, Sik);
? <i>vega</i> (Maskey, 1998) [Nepal]*	China (Tibet), Nepal, Pakistan
<i>vega</i> (Maskey, 1986) (thesis) (unav., <i>nomen nudum</i> )	
<b>humerosum</b> Rubtsov, 1947 .....	Tajikistan
<b>jingfui</b> Cai, An & Li, 2008 .....	China (Sichuan)
<b>karenkoense</b> (Shiraki, 1935) .....	Taiwan. [‘Japan’ error]



<b>laplandicum</b> (Chubareva & Yankovsky, 1992) .....	Russia (Murmansk KM)
<b>laxum</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>linduense</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>liubaense</b> Liu & An, 2009 .....	China (Shaanxi)
<b>lonchatum</b> Chen, Zhang & Huang, 2005 .....	China (Sichuan)
<b>lorense</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>luridum</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>malinoense</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>maximum</b> (Knoz, 1961) .....	Czech Republic; Austria, Bosnia, Bulgaria, France, Germany, Italy, Poland, Romania, Serbia, Slovakia, Spain, Switzerland, Ukraine
‘2’ Kúdela & Jedlička, 2002 ( <i>monticola</i> morphoform)	
<b>molliculum</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>monticola</b> Friederichs, 1920 .....	Germany; Algeria, Andorra, Austria, Belgium, Bosnia, Bulgaria, Czech Republic, Finland, France (incl. Corsica), Italy, Luxembourg, Macedonia, Norway, Poland, Portugal, Romania, Russia (CR, NR, SR), Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine. [‘Britain’ error]
<i>dorieri</i> Doby & Rault, 1960 [France & Austria]	
<i>petrophilum</i> (Rubtsov, 1964) (unav., var. post-1960)	
<i>stenostylus</i> (Rubtsov & Carlsson, 1965) [Sweden]	
<i>stenostyla</i> : incorrect subsequent spelling	
<b>monticoloides</b> (Rubtsov, 1956) .....	Russia (Caucasus); Bulgaria, Georgia, Romania, Turkey, Ukraine (Crimea)
<i>monticoloide</i> : incorrect subsequent spelling	
<b>niha</b> Giudicelli & Dia, 1986 .....	Lebanon; Turkey
<b>nilgiricum</b> Puri, 1932 .....	India (Tamil Nadu); Sri Lanka
<i>niljiricum</i> : incorrect subsequent spelling	
<b>nishijimai</b> (Ono, 1978) .....	Japan (Hokkaido); Siberia (Kurile Islands FE)
<b>nubis</b> Davies & Györkös, 1987 .....	Sri Lanka
‘C’ Davies, 1984 ( <i>Simulium</i> sp., part)	
<b>oitanum</b> (Shiraki, 1935) .....	Japan (Kyushu, Hok, Hon, NI, Sh); China (Gu, Jilin, Li, Yu), Korea (South), Nepal, Siberia (FE incl. Sakhalin)
<i>aoki</i> (Takahasi, 1941) [Japan (Honshu)]	
<b>palopoense</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>paranubis</b> Davies & Györkös, 1992 .....	Sri Lanka
‘C’ Davies, 1984 ( <i>Simulium</i> sp., part)	
<b>pelius</b> Sun, 1994 .....	China (Liaoning)
<i>pedius</i> : incorrect subsequent spelling	
<b>qianense</b> Chen & Chen, 2001 .....	China (Guizhou, Hubei)
<b>quinquefilium</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>schamili</b> (Rubtsov, 1964) .....	Russia (Caucasus); Armenia
<b>sicanum</b> (Rivosecchi, 1963) .....	Italy (Sicily)
<b>stenophallum</b> Terteryan, 1952 .....	Armenia
<b>taiwanicum</b> Takaoka, 1979 .....	Taiwan; China (Si, Gu, Jilin, Jx, Si)
<b>triangustum</b> An, Guo & Xu, 1995 .....	China (Tibet)
<b>variegatum</b> Meigen, 1818 .....	Germany; Algeria, Andorra, Armenia, Austria, Azerbaijan, Belgium, Bosnia, Britain (En, Sc, Wa), Bulgaria, Czech Republic, France (incl. Corsica), Greece (incl. Andros, Rhodes), Hungary, Iran, Ireland, Italy (incl. Sicily), Lebanon, Morocco, Poland, Portugal, Romania, Russia (Caucasus), Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, Kazakhstan (?), Pakistan (?), Uzbekistan (?). [‘Cyprus’ error]
<i>varium</i> Meigen, 1818 [Austria]	
<i>luteicorne</i> Stephens, 1829 (unav., <i>nomen nudum</i> )	
<i>affine</i> Stephens, 1829 (unav., <i>nomen nudum</i> )	
<i>rivulare</i> Planchon, 1844 [France]	
<i>veneficum</i> Friederichs, 1920 [Germany]	
<i>bulgarica</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i> )	
<i>bulgaricum</i> (Enderlein, 1921 [June]) (available) [Bulgaria]	
<i>vernale</i> (Rubtsov, 1956) [Azerbaijan]	
<i>autumnale</i> (Rubtsov, 1956) [Armenia]	
<i>padanum</i> (Rubtsov, 1964) (unav., var. post-1960)	
<i>slovakense</i> (Rubtsov, 1964) (unav., var. post-1960)	
<i>pseudovernale</i> (Rubtsov, 1964) (unav., var. post-1960)	
<i>venifica</i> : incorrect subsequent spelling	
<i>wariiegatum</i> : incorrect subsequent spelling	
[ <i>livida</i> : Meigen, 1818, not Schellenberg]	
<b>xanthinum</b> Edwards, 1933 .....	Spain; Algeria, France, Morocco
<i>gaudi</i> Grenier & Faure, 1957 [Morocco]	
<i>xantinum</i> : incorrect subsequent spelling	

'Keris' Lewis, 1973 ( <i>Simulium</i> sp.) .....	Pakistan
'sp. A' Maskey, 1998 ( <i>Simulium</i> sp.) .....	Nepal
'sp. B' Maskey, 1998 ( <i>Simulium</i> sp.) .....	Nepal
'aff. <i>monticola</i> ' Dušinský, Kúdela, Stloukalová & Jedlička, 2006 ( <i>Simulium</i> sp.) .....	Slovakia
'1' Kúdela & Jedlička, 2002 ( <i>monticola</i> morphoform)	

#### VENUSTUM species-group

<b>abbreviatum</b> Rubtsov, 1957 .....	Russia (St Petersburg CR)
<b>aemulum</b> Rubtsov, 1940 (subst. name) .....	Siberia (Irkutskaya ES, FE, WS); China (Li), Mongolia
<i>submorsitans</i> Rubtsov, 1940 (preocc.)	
<i>aenulum</i> , <i>semulum</i> : incorrect subsequent spellings	
[ <i>venustum</i> : authors (Mongolia), not Say]	
<b>arakawae</b> Matsumura, 1915 .....	Japan (Hokkaido, Hon, Ky, NI, Sh); China (Jilin, Tibet),
'Kusa-buyu' Kani, 1944	Korea (South)
[ <i>venustum</i> : authors (Japan), not Say]	
<b>bergi</b> Rubtsov, 1956 .....	Georgia; Armenia, Turkey
<b>curvistylus</b> Rubtsov, 1957 .....	Russia (St Petersburg CR, KM); Belarus, Finland,
<i>curvistilum</i> , <i>curvistylum</i> : incorrect subsequent spellings	Lithuania, Norway, Sweden, Ukraine
[ <i>morsitans</i> : authors, not Edwards]	
<b>curvitarse</b> Rubtsov, 1940 .....	Siberia (Magadan FE, Kamchatka FE); China (He)
<b>hematophilum</b> Laboulbène, 1882 .....	Canada (Newfoundland, Ont, Que incl. Magdalen
'CC2 (Cal 4; CTC 4)' Rothfels <i>et al.</i> , 1978 ( <i>venustum</i> cytoform)	Islands); USA (Ala, Ken, NC, Pen, SC, Ten, Vir)
<b>incognitum</b> Adler & Mason, 1997 .....	Canada (Saskatchewan, Alb, Man); USA (Idaho)
'CC4' Adler, 1986 ( <i>venustum</i> cytoform)	
<b>irritatum</b> Lugger, 1897 [1896] .....	USA (Utah [neotype], Alaska, Wyo); Canada (Alb, BC,
'CC(gB)B' Rothfels, 1979 ( <i>venustum</i> cytoform)	Man, Nfld, NWT, Que, Sask)
'CC3' Rothfels, 1981 ( <i>venustum</i> cytoform)	
<b>kachvorjanae</b> Usova & Zinchenko, 1991 .....	Ukraine
<i>kachvorjani</i> , <i>kachvoryanae</i> : incorrect subsequent spellings	
<b>kamtshaticum</b> Rubtsov, 1940 .....	Siberia (Kamchatka FE)
<i>kamtshadalicum</i> Yankovsky, 1996 (unnecessary subst. name)	
<b>latilobus</b> Rubtsov, 1973 .....	Siberia (Krasnoyarsk ES)
<b>longipalpe</b> Beltyukova, 1955 .....	Russia (Permskaya CR, NR, SR); Belarus, China (IM),
	Siberia (ES, FE, WS), Ukraine, Uzbekistan
<b>lugense</b> Yankovsky, 1996 (subst. name) .....	Russia (St Petersburg CR)
<i>hibernale</i> Rubtsov, 1967 (preocc.)	
<b>minutum</b> Lugger, 1897 [1896] .....	USA (Minnesota, Mic); Canada (Ont, Sask)
'CC1 (Cal 1 and CTC1)' Rothfels, Feraday & Kaneps, 1978 ( <i>venustum</i> cytoform)	
<b>molestum</b> Harris, 1841 .....	USA (New Hampshire, Mic); Canada (PEI, Que:
'A/C' Rothfels, Feraday & Kaneps, 1978 ( <i>venustum</i> cytoform)	Magdalen Islands)
<b>morsitans</b> Edwards, 1915 .....	Britain (England, Sc, Wa); Austria, Belarus, Belgium,
<i>gerstaeckeri</i> Enderlein, 1936 [Austria]	China (IM), Czech Republic, Denmark, Estonia,
'aff. <i>morsitans</i> ' Jedlička, 1972 ( <i>Simulium</i> sp.)	Finland, France, Germany, Kazakhstan, Latvia,
<i>morsita</i> , <i>morsitaus</i> : incorrect subsequent spellings	Lithuania, Luxembourg, Mongolia, Netherlands,
	Norway, Poland, Romania, Russia (CR, SR), Siberia
	(ES, FE), Slovakia, Slovenia, Sweden, Turkey, Ukraine
<b>nipponense</b> Shiraki, 1935 .....	Japan (Honshu)
<b>paralongipalpe</b> Vorobets, 1987 .....	Siberia (Yakutskaya ES)
<b>paramorsitans</b> Rubtsov, 1956 .....	Russia (St Petersburg CR, KM, NR, SR); Belarus,
<i>paelignum</i> Rivoecchi, 1966 (ssp.) [Italy]	Bosnia, Bulgaria, Czech Republic, Estonia, Finland,
<i>semushini</i> Usova & Zinchenko, 1992 [Ukraine]	Germany, Hungary, Italy, Latvia, Lithuania, Norway,
<i>paramorsitans</i> : incorrect subsequent spelling	Poland, Romania, Serbia, Siberia (ES, FE, WS),
<i>poelignum</i> : incorrect original spelling (alternative in fig.)	Slovakia, Sweden, Ukraine
<b>piscidium</b> Riley, 1870 .....	USA (New York, Maine, NH); Canada (Nfld, Que)
'AC(gB) (AC)' Rothfels, Feraday & Kaneps, 1978 ( <i>venustum</i> cytoform)	

‘Ac(qb)’: Colbo & Porter, 1980 (lapsus for ‘AC(gB)’) <i>piscoidium</i> , <i>piscidium</i> : incorrect subsequent spellings	
<b>piscidius</b> Carlsson, 1962 .....	Sweden; Norway (?)
<b>posticatum</b> Meigen, 1838 [valid, ICZN Opinion 1508, List] .....	Germany; Austria, Belarus, Belgium, Britain (En), Czech Republic, Denmark, Estonia, Finland, France, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Poland, Russia (CR, KM), Siberia (WS), Slovenia, Sweden, Turkey, Ukraine
<i>austeni</i> Edwards, 1915 [precedence not accorded, ICZN Opinion 1508, List] [Britain (England)]	
<i>pseudoreptans</i> Enderlein, 1935 [Germany]	
[ <i>venustum</i> : Old World authors, not Say]	
[ <i>verecundum</i> : Old World authors, not Stone & Jamnback]	
<b>promorsitans</b> Rubtsov, 1956 .....	Russia (Orenburgskaya CR, SR); Belarus, China (IM), Kazakhstan, Lithuania, Poland, Siberia (ES, WS), Ukraine
<b>rezvoi</b> Rubtsov, 1956 .....	Kazakhstan
<i>rezvoyi</i> : incorrect subsequent spelling	
<b>rivosecchii</b> Rubtsov, 1964 .....	Italy
[ <i>parvum</i> : Rubtsov, 1956, not Enderlein]	
<b>rostratum</b> (Lundström, 1911) .....	Finland; Austria, Belarus, Britain (En, Sc), Canada (Alb, BC incl. Queen Charlotte Islands, Lab, Man, Nfld, Nun, NWT, Ont, PEI, Que incl. Magdalen Islands, Sask, Yukon), Czech Republic, Denmark, Finland, Germany, Greenland, Ireland, Latvia, Lithuania, Norway, Poland, Russia (NR), Siberia (FE incl. Sakhalin, WS), Slovakia, Sweden, Ukraine, USA (Alaska, Idaho, Maine, Mic, Min, Mon, NH, NY, Ore, Was, Wis, Wyo)
<i>wilhelmii</i> Enderlein, 1922 [Germany]	
<i>groenlandicum</i> Enderlein, 1935 [Greenland]	
<i>sublacustre</i> Davies, 1966 [Britain (England)]	
‘1’ Malloch, 1919 ( <i>Simulium</i> sp.)	
‘ACD’ Rothfels, Feraday & Kaneps, 1978 ( <i>verecundum</i> cytoform)	
<i>restratum</i> , <i>rostratum</i> : incorrect subsequent spellings	
<i>wilhelmi</i> : incorrect subsequent spelling	
[ <i>argyreatum</i> : Rubtsov, 1956, not Meigen]	
[ <i>verecundum</i> : authors (Palearctic), not Stone & Jamnback]	
[see Adler <i>et al.</i> , 2004 for Nearctic misidentifications]	
<b>rubtzovi</b> Smart, 1945 (subst. name) .....	Siberia (Buryatskaya ES, FE, WS); Canada (NWT, Yukon), Finland, Kazakhstan, Russia (CR, SR), Sweden, Ukraine, USA (Alaska)
<i>simile</i> Rubtsov, 1940 [1939] (preocc.)	
<i>rubzovi</i> : incorrect subsequent spelling	
<b>shevtshenkovae</b> Rubtsov, 1965 (subst. name) .....	Ukraine; Belarus, Russia (CR, SR)
<i>venustoides</i> Rubtsov, 1963 (preocc.)	
<i>schevtchenkova</i> , <i>schevtschenkova</i> , <i>schevtshenkova</i> , <i>shevchenkova</i> : incorrect subsequent spellings	
<i>venustoide</i> : incorrect subsequent spelling	
<b>simulans</b> Rubtsov, 1956 .....	Russia (Orenburgskaya CR, SR); Belarus, Kazakhstan, Siberia (ES, FE), Ukraine
<b>tobetsuense</b> Ono, 1977 .....	Japan (Hokkaido); Siberia (Kurile Islands FE, Sakhalin FE)
<b>tormentor</b> Adler, Currie & Wood, 2004 .....	Canada (Northwest Territories, Nun, Que)
‘CH(gB)’ Rothfels, 1979 ( <i>venustum</i> cytoform)	
‘H/C’ Rothfels, 1981 ( <i>venustum</i> cytoform)	
<b>truncatum</b> (Lundström, 1911) .....	Finland; Belarus, Canada (Alb, BC, Lab, Nfld, Nun, NWT, Ont, Que, Sask), Lithuania, Norway, Russia (KM), Siberia (ES, FE, WS), Sweden, Ukraine, USA (Alaska, Maine, Mic, NH, NY)
‘EFG/C (CEFG, CEF)’ Rothfels <i>et al.</i> , 1978 ( <i>venustum</i> cytoform)	
? ‘EFG’ Rothfels, Feraday & Kaneps, 1978 ( <i>venustum</i> cytoform)	
‘near <i>truncatum</i> ’ Gordon & Cupp, 1980 ( <i>Simulium</i> sp.)	
[ <i>venustum</i> : Rubtsov, 1940, not Say]	
<b>venustum</b> Say, 1823 .....	USA (North Carolina [neotype], Ala, Ari, Ark, Cal, Col, Del, Flo, Geo, Ill, Ind, Iowa, Kan, Ken, Lou, Maine, Mas, Mic, Misp, Misr, Neb, NH, NJ, NY, Ohio, Okl, Pen, SC, Ten, Texas, Vir, Wis, WV, Wyo); Canada (Alb, BC incl. Queen Charlotte Islands, NB, NS, Nun, NWT, Ont, PEI, Que, Sask). [Not Old World (misidentified)]
‘CC’ Rothfels, Feraday & Kaneps, 1978 (cytoform)	
<i>venestum</i> , <i>venustem</i> , <i>venustom</i> , <i>venustrum</i> : incorrect subsequent spellings	
<b>verecundum</b> Stone & Jamnback, 1955 .....	USA (Pennsylvania, Ala, Del, Flo, Geo, Ill, Ken, Lou, Maine, Mic, Min, Misp, NC, NH, NJ, NY, Ohio, SC, Ten, Texas, Vir, Wis); Canada (Nfld, NWT, Ont, PEI, Sask). [Not Old World (misidentified)]
‘AA (Transposition Sibling)’ Rothfels <i>et al.</i> , 1978 (cytoform)	
‘A/C (PS3)’ Rothfels <i>et al.</i> , 1978 (cytoform)	
‘AA-AC’ Gordon & Cupp, 1980 (cytoform)	
‘CC ver.’ Rothfels, 1981 (cytoform)	

‘AA-A/C-CC’ Ciborowski & Adler, 1990 (cytoform) <i>veracundum</i> , <i>verecondum</i> , <i>verucundum</i> incorrect subsequent spellings	
<b>xinbinen</b> Sun, 1994 .....	China (Liaoning)
<i>xinbinen</i> Sun, 1992 (unav., not formally publ.)	
‘JJ’ Rothfels, 1981 ( <i>venustum</i> cytoform) .....	USA (Oregon)
‘indet.’ Belqat, Adler & Dakki, 2001 ( <i>Simulium</i> sp.)* .....	Morocco

*Simulium* s. str. species unplaced to group

<b>ambiguum</b> Shiraki, 1935 .....	Taiwan. [‘Japan’ error]
<b>celsum</b> Takaoka & Davies, 1996 .....	Indonesia (Java)
<i>celsum</i> Takaoka & Davies, 1995 (unav., <i>nomen nudum</i> )	
<b>christophersi</b> Puri, 1932 .....	India (Kashmir, HP); China (Tibet)
<i>chrystophersi</i> : incorrect subsequent spelling	
<b>contractum</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>cremnosi</b> Davies & Györkös, 1987 .....	Sri Lanka
‘c’ Davies & Györkös, 1984 ( <i>Simulium</i> sp.)	
<b>dentastylum</b> Yang, Chen & Luo, 2009 .....	China (Hubei)
<b>fuscopilosum</b> Edwards, 1928 .....	Malaysia (Malaya)
<i>fuscipilorum</i> : incorrect subsequent spelling	
<b>fuzhouense</b> Zhang & Wang, 1991 .....	China (Fujian, Gu)
<i>fuzhouense</i> Zhang, 1988 (thesis) (unav., <i>nomen nudum</i> )	
<b>howletti</b> Puri, 1932 .....	India (Bihar); China (Tibet)
<i>howletei</i> , <i>howleter</i> , incorrect subsequent spellings	
<b>immortalis</b> Cai, An, Li & Yan, 2004 .....	China (Shanxi)
<b>jieyangense</b> An, Yan, Yang & Hao, 1994 .....	China (Guangdong)
<i>jeeyangense</i> : incorrect subsequent spelling	
<b>katoi</b> Shiraki, 1935 .....	Taiwan. [‘Japan’ error]
<b>kinabaluense</b> Smart & Clifford, 1969 .....	Malaysia (Sabah)
<b>multifurcatum</b> Zhang & Wang, 1991 .....	China (Fujian)
<i>multifurcatum</i> Zhang, 1988 (thesis) (unav., <i>nomen nudum</i> )	
<b>nebulicola</b> Edwards, 1934 .....	Indonesia (Java, Flores, Sumatra)
<b>palniense</b> Puri, 1933 .....	India (Tamil Nadu)
<b>parvulum</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>peliastrias</b> Sun, 1994 .....	China (Liaoning)
<i>peliastrias</i> : incorrect original spelling (alternative)	
<b>rotifilis</b> Chen & Zhang, 1998 .....	China (Guizhou)
<i>rotiflis</i> : incorrect subsequent spelling	
<b>shanxiense</b> Cai, An, Li & Yan, 2004 .....	China (Shanxi)
<b>singtamense</b> Datta & Pal, 1975 .....	India (West Bengal); Nepal
<b>sumatraense</b> Takaoka & Sigit, 1997 .....	Indonesia (Sumatra)
<b>tarbagataicum</b> (Rubtsov, 1967) .....	Kazakhstan
‘II’ Grenier, 1953 ( <i>Simulium</i> sp., attrib. Dorier, 1947) .....	France
‘A’ Dorier, 1963 ( <i>Simulium</i> sp.)	
‘Nathia’ Lewis, 1973 ( <i>Simulium</i> sp.) .....	Pakistan
‘Assam’ Lewis, 1974 ( <i>Simulium</i> sp.) .....	India (Assam)
‘Diju’ Lewis, 1974 ( <i>Simulium</i> sp.) .....	India (Assam, UP)
‘Doigroon’ Lewis, 1974 ( <i>Simulium</i> sp.) .....	India (Assam)
‘Kamti’ Lewis, 1974 ( <i>Simulium</i> sp.) .....	India (UP)
‘Pabho’ Lewis, 1974 ( <i>Simulium</i> sp.) .....	India (Assam)
‘Rengma’ Lewis, 1974 ( <i>Simulium</i> sp.) .....	India (Assam)
‘Subansiri’ Lewis, 1974 ( <i>Simulium</i> sp.) .....	India (Assam, UP)
‘C’ Takaoka & Davies, 1995 ( <i>Simulium</i> sp.) .....	Malaysia (Malaya)

**Subgenus TRICHODAGMIA Enderlein**

**TRICHODAGMIA** Enderlein, 1934 [1933] (as genus). Type species: *townsendi*, as *latitarsis* (original designation)  
**THYRSOPELMA** Enderlein, 1934 [1933] (as genus). Type species: *orbitale*, as *brasiliense* (original designation)

*GRENIERIELLA* Vargas & Díaz Nájera, 1951 (as subgenus of *Simulium*). Type species: *lahillei* (original designation)  
*GRENIERELLA*: incorrect subsequent spelling

<b>albopictum</b> Lane & Porto, 1940 [ <i>in</i> Porto] .....	Brazil (Paraná)
<b>duodenicornium</b> Pepinelli, Hamada & Trivinho-Strixino, 2005 .....	Brazil (São Paulo, MG)
<i>uodenicornium</i> : incorrect subsequent spelling	
<b>guianense</b> Wise, 1911 [1912] (complex) .....	Guyana; Brazil (Amapá, Amz, ES, Goiás, Mar, MG,
<i>pintoi</i> d'Andretta & d'Andretta, 1945 [1946] [Brazil (São Paulo)]	MGr, Par, Pará, RJ, Ror, SC, SP, Toc), French Guiana,
<i>ortizi</i> Ramírez-Pérez, 1971 [Venezuela]	Suriname, Venezuela
'A' Charalambous <i>et al.</i> , 1996 (cytoform) .....	Brazil (Goiás)
'B' Charalambous <i>et al.</i> , 1996 (cytoform) .....	Brazil (Amapá)
'C' Charalambous <i>et al.</i> , 1996 (cytoform) .....	Brazil (Maranhao)
'D' Charalambous <i>et al.</i> , 1996 (cytoform) .....	Brazil (Pará)
[ <i>tarsale</i> : Floch & Abonnenc, 1946, not Williston]	
<b>hirtipupa</b> Lutz, 1910 .....	Brazil (Minas Gerais, Amapá, Bahia, SP)
<b>huairayacu</b> Wygodzinsky, 1953 .....	Argentina (Tucumán, Jujuy, Salta); Bolivia, Peru (Cuzco, Lima)
<b>itaunense</b> d'Andretta & Dolores González, 1964 .....	Brazil (São Paulo, RGS, SC)
<b>jeteri</b> (Py-Daniel, Darwich, Mardini, Strieder & Coscarón, 2005) .....	Brazil (Rio Grande do Sul)
<b>lahillei</b> (Paterson & Shannon, 1927) .....	Argentina (Tucumán, Cat, Cór, Jujuy, Salta); Bolivia, Colombia, Peru (Cuzco, Lima)
<i>lahilli</i> : incorrect subsequent spelling	
<b>nigrimanum</b> Macquart, 1838 .....	Brazil (São Paulo, BFD, ES, Goiás, MG, MGr, MGrS, Par, Pará, RJ, Toc); Colombia, Paraguay, Venezuela
<i>pruinatum</i> Lutz, 1910 [Brazil (Minas Gerais)]	
<i>spadicidorsum</i> (Enderlein, 1934) [Brazil (São Paulo)]	
<b>nunesdemelloi</b> Hamada, Pepinelli & Hernández, 2006 .....	Brazil (Amazonas)
<b>orbitale</b> Lutz, 1910 .....	Brazil (Minas Gerais, MGrS, Par, RGS, RJ, SC, SP); Argentina (BA, Cos, ER, Mis), Colombia, Paraguay
<i>brasiliense</i> (Enderlein, 1934) [1933] [Brazil (? state)]	
<i>albimanum</i> : incorrect subsequent spelling (lapsus for <i>nigrimanum</i> )	
[ <i>nigrimanum</i> : Lutz, 1909, 1910 / Pinto, 1932 [1931], not Macquart]	
[ <i>paraguayense</i> : Lane & Vulcano, 1943, not Schrottky]	
<b>perplexum</b> Shelley, Maia-Herzog, Luna Dias & Couch, 1989 .....	Guyana
<b>scutistriatum</b> Lutz, 1909 .....	Brazil (Rio de Janeiro, Goiás, MG, MGr, Par, SP, Toc); Colombia, Paraguay, Venezuela
<b>sumapazense</b> Coscarón & Py-Daniel, 1989 .....	Colombia
<b>townsendi</b> Malloch, 1912 .....	Peru ('Rio Charape', Are, Cuzco, Lima); Bolivia, Colombia, Ecuador
<i>chalcocoma</i> Knab, 1914 [Peru ('Tincochchoca')]	
<i>ecuadoriense</i> (Enderlein, 1934) [Ecuador]	
<i>latitarse</i> (Enderlein, 1934) [1933] [Bolivia]	
<i>strigatum</i> (Enderlein, 1934) [1933] [Peru (Cuzco)]	
<i>muisorum</i> Bueno, Moncada & Muñoz de Hoyos, 1979 [Colombia]	
<i>chalcocomense</i> : incorrect subsequent spelling	
<i>equadoriensis</i> , <i>aequatoriense</i> : incorrect subsequent spellings	
<i>latitaris</i> , <i>latitarsus</i> : incorrect subsequent spellings	
<b>wygodzinskyorum</b> Coscarón & Py-Daniel, 1989 .....	Peru (Junín); Ecuador

### Subgenus WALLACELLUM Takaoka

*WALLACELLUM* Takaoka, 1983 (as subgenus of *Simulium*). Type species: *carinatum* (original designation)

<b>alfurensis</b> Takaoka, 2003 .....	Indonesia (Maluku, Irian Jaya)
<b>amplum</b> Takaoka, 2009 .....	Philippines (Luzon)
<b>cabrerai</b> Takaoka, 1983 .....	Philippines (Luzon)
<b>carinatum</b> Delfinado, 1969 .....	Philippines (Luzon, Negros)
<i>carinatum</i> : incorrect subsequent spelling	
<b>celebesensis</b> Takaoka, 2003 .....	Indonesia (Sulawesi)
<b>claveriaensis</b> Takaoka, 2006 .....	Philippines (Luzon)
<b>makilingensis</b> Takaoka, 1983 .....	Philippines (Luzon)
<b>marilogensis</b> Takaoka, 2009 .....	Philippines (Mindanao)

<b>molawinense</b> Takaoka, 2006 .....	Philippines (Luzon)
<b>ogonukii</b> Takaoka, 1983 .....	Philippines (Mindanao)
<b>recurvum</b> Takaoka, 1983 .....	Philippines (Luzon, Negros)
<b>resimum</b> Takaoka, 1983 .....	Philippines (Mindanao)
<b>spinosibanchium</b> Takaoka, 1983 .....	Philippines (Luzon)
<b>suyoense</b> Takaoka, 2006 .....	Philippines (Luzon, Mindoro)
<b>tenederoi</b> Takaoka, 2009 .....	Philippines (Samar)
<b>tuyense</b> Takaoka, 1983 .....	Philippines (Luzon, Mindoro, Palawan, Samar)
<b>yonakuniense</b> Takaoka, 1972 .....	Japan (Nansei Islands); Taiwan

### Subgenus WILHELMIA Enderlein

**WILHELMIA** Enderlein, 1921 (as genus). Type species: *lineatum* (original designation)

#### BUETTIKERI species-group

<b>buettikeri</b> Crosskey & Roberts, 1994 [ <i>in</i> Crosskey, Büttiker & Roberts]* .....	Oman; United Arab Emirates (Dubai), Afghanistan (?)
‘sp. n.’ Crosskey & Büttiker, 1988 ( <i>Simulium</i> ( <i>Wilhelmia</i> ))	

#### EQUINUM species-group\*

<b>angustifurca</b> (Rubtsov, 1956) .....	Russia (Caucasus); Bulgaria, China (IM), Ukraine
<i>angustifurca</i> : incorrect subsequent spelling	
<b>balcanicum</b> (Enderlein, 1924) .....	Bulgaria; Austria, Belarus, Bosnia, Germany, Greece, Hungary, Italy, Macedonia, Poland, Romania, Russia (SR), Serbia, Slovakia, Slovenia, Turkey, Ukraine (Crimea), Lithuania (?). [Specific status doubtful, ? = <i>lineatum</i> ]
<i>secundum</i> (Baranov, 1926) ( <i>stylatum</i> form) [Macedonia]	
<i>danubiense</i> Zivkovitch, 1955 (ssp.) [Serbia & Macedonia]	
<i>severinense</i> (Dinulescu, 1966) [Romania]	
<i>balcaniaca</i> : incorrect subsequent spelling	
<b>bravermani</b> Beaucournu-Saguez, 1986 .....	Israel
<b>dahestanicum</b> (Rubtsov, 1962) .....	Russia (Dagestan); Iraq, ‘Transcaucasus’
<b>dunhuangense</b> Liu & An, 2004 .....	China (Gansu)
<b>equinum</b> (Linnaeus, 1758) .....	‘Nordlandiae’ [Scandinavia]; Armenia, Austria, Belarus, Belgium, Bosnia, Britain (En, Sc, Wa), Bulgaria, Czech Republic, China (Qi, Sg, Xi), Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Italy (incl. Sardinia), Latvia, Liechtenstein, Lithuania, Macedonia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CR, KM, NR, SR), Serbia, Siberia (ES, FE, WS), Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine. [‘Libya’, ‘Cyprus’ errors]
<i>atrum</i> (Linnaeus, 1746, <i>ater</i> ) (no status, pre-1758 name)	
<i>marginatum</i> Meigen, 1818 [Austria]	
<i>cinereum</i> Macquart, 1834 [France]	
<i>pubescens</i> Macquart, 1834 [no locality, France presumed]	
<i>canum</i> Meigen, 1838 [Germany]	
<i>aurescens</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i> )	
<i>dahlgrueni</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i> )	
<i>dahlgrueni</i> (Enderlein, 1921 [June]) (available) [Italy (Sardinia)]	
<i>orichalcea</i> (Enderlein, 1922) [Britain (England)]	
<i>annulitibia</i> (Enderlein, 1922) [Germany]	
<i>begbunaticum</i> Baranov, 1924 [Serbia]	
<i>varicolor</i> Séguy, 1925 [France]	
<i>primum</i> (Baranov, 1926) ( <i>equinum</i> form) [Serbia]	
<i>secundum</i> (Baranov, 1926) ( <i>equinum</i> form, preocc.) [Serbia and/or Macedonia]	
<i>tertium</i> (Baranov, 1926) [Serbia and/or Macedonia]	
<i>brunettii</i> (Enderlein, 1934) [Britain (Wales), ‘Indien’ error]	
<i>bianchii</i> Rubtsov, 1940 [Siberia]	
<i>ivashentzovi</i> Rubtsov, 1940 [Russia (Novgorodskaya)]	
<i>avetjanae</i> (Rubtsov & Terteryan, 1952) [Armenia]	
<i>zetlandense</i> Davies, 1966 [Britain (Shetland Islands)]	
<i>sangrense</i> (Rivosecchi, 1967) [Italy]	
<i>andreei</i> (Usova & Reva, 2008) (unav., <i>nomen nudum</i> )	
<i>annulipes</i> : incorrect subsequent spelling (lapsus for <i>annulitibia</i> )	
<i>begbungaricum</i> : incorrect subsequent spelling	

<i>brunetti</i> : incorrect subsequent spelling	
<i>cineum</i> : incorrect subsequent spelling	
<i>eguinum</i> : incorrect subsequent spelling	
<i>ivachentzove</i> : incorrect subsequent spelling	
<i>squinum</i> : incorrect subsequent spelling (lapsus for <i>equinum</i> )	
<b>germuense</b> Liu, Gong, Zhang, Luo & An, 2003 .....	China (Qinghai)
<b>golani</b> Beaucournu-Saguez & Braverman, 1977 [1976] [ <i>in</i> .....	Syria (Golan)
Beaucournu-Saguez, Braverman & Tsafirir]	
<b>lama</b> Rubtsov, 1940 .....	China (Xinjiang); Mongolia
<b>lineatum</b> (Meigen, 1804) .....	Germany; Afghanistan, Armenia, Austria, Azerbaijan,
<i>falcula</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i> )	Belarus, Belgium, Bosnia, Britain (En, Wa), Bulgaria,
<i>falcula</i> (Enderlein, 1921 [June]) (ssp.) [Germany]	China (Be, IM, Xi), Czech Republic, Denmark,
<i>salopiense</i> Edwards, 1927 [Britain (England)]	France (incl. Corsica), Hungary, Iran, Iraq, Ireland,
<i>turgaicum</i> Rubtsov, 1940 [Kazakhstan]	Italy (incl. Sardinia, Sicily), Kazakhstan, Kyrgyzstan,
<i>nigrifacies</i> (Rivosecchi, 1964) (unav., <i>nomen nudum</i> , attrib. Corti)	Latvia, Lebanon, Lithuania, Netherlands, Pakistan,
<i>liliae</i> (Usova & Reva, 2008) (unav., <i>nomen nudum</i> )	Poland, Portugal, Romania, Russia (CR, SR), Serbia,
<i>jalcula</i> : incorrect original spelling ( <i>falcula</i> misprint)	Slovakia, Slovenia, Spain, Sweden, Switzerland,
<i>lineate</i> : incorrect subsequent spelling	Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan.
<i>salopionsis</i> , <i>solopiensis</i> : incorrect subsequent spellings	[‘Azores’ error]
<b>paraequinum</b> Puri, 1933 .....	Pakistan; Armenia, Azerbaijan, Bulgaria, Greece (incl.
<i>transcaasicum</i> (Rubtsov, 1956) [Armenia]	Lésbos), Hungary, Iran, Iraq, Israel, Italy, Jordan,
<i>paraeguinum</i> , <i>paraeqwine</i> : incorrect subsequent spellings	Lebanon, Romania, Serbia, Turkey, Ukraine (Crimea)
‘A’ Petrova, Chubareva, Adler & Kachvoryan, 2003 (cytoform) .....	Armenia
‘B’ Petrova, Chubareva, Adler & Kachvoryan, 2003 (cytoform) .....	Armenia
[ <i>lineata</i> : Rubtsov, 1956, 1962, not Meigen]	
[ <i>stylata</i> : Rivosecchi, 1978, not Baranov]	
<b>pekingense</b> Sun, 1999 .....	China (Beijing)
<i>pakingense</i> : incorrect subsequent spelling	
<b>pindiense</b> Khatoon & Hasan, 1995 .....	Pakistan
<b>pseudequinum</b> Séguy, 1921 .....	Canary Islands (Gran Canaria, Gomera, Tenerife);
<i>canariense</i> Séguy, 1921 [Canary Islands (Gran Canaria)]	Algeria, Armenia, Austria, Azerbaijan, Bosnia,
<i>brnizense</i> Baranov, 1924 [Serbia]	Britain (En), China (Sx, Xi), Cyprus, France, Greece
<i>mediterraneum</i> Puri, 1925 [Algeria]	(incl. Andros, Chíos, Crete, Ikária, Lésbos, Náxos,
<i>stylatum</i> (Baranov, 1926) [Macedonia]	Rhodes), Georgia, India (Kashmir, Pu), Iran, Iraq,
<i>primum</i> (Baranov, 1926) ( <i>stylatum</i> form, preocc.) [Macedonia]	Israel, Italy (incl. Sardinia, Sicily), Jordan, Kazakhstan,
<i>quartum</i> (Baranov, 1926) [Serbia]	Kyrgyzstan, Lebanon, Libya, Macedonia, Morocco,
<i>barbaricum</i> Séguy, 1930 [Morocco]	Pakistan, Portugal, Romania, Russia (Caucasus), Serbia,
<i>cinereifacies</i> (Rivosecchi, 1964) (unav., <i>nomen nudum</i> , attrib. Corti)	Slovakia, Slovenia, Spain, Tajikistan, Tunisia, Turkey,
<i>sulfuricola</i> (Rivosecchi, 1972) [Italy]	Turkmenistan, Ukraine (incl. Crimea), Uzbekistan,
<i>fluminicola</i> (Rivosecchi, 1972) [Italy]	Czech Republic (?)
<i>brizence</i> , <i>brizensis</i> , <i>bruijense</i> : incorrect subsequent spellings	
<i>maditerranea</i> , <i>mideteranea</i> : incorrect subsequent spellings	
<i>psaudequina</i> , <i>pseudeguina</i> , <i>pseudoequinum</i> :	
incorrect subsequent spellings	
<i>sulphuricolum</i> : incorrect subsequent spelling	
[ <i>guimari</i> : Rubtsov, 1956, 1962, not Becker]	
[? <i>lineata</i> : Knoz, 1963, not Meigen]	
[ <i>tertia</i> : Rubtsov & Yankovsky, 1988, not Baranov]	
<b>qinghaiense</b> Liu, Gong, Zhang, Luo & An, 2003 .....	China (Qinghai)
<b>qingxilingense</b> Cai & An, 2005 .....	China (Hebei)
<b>quadrifila</b> Grenier, Faure & Laurent, 1957 .....	Morocco; Spain
<b>sergenti</b> Edwards, 1923 .....	Algeria; Morocco, Portugal, Spain, Tunisia
<i>ariasi</i> Séguy, 1925 [Spain]	
<i>tachengense</i> Mahe, An & Yan, 1997 (junior primary homonym	
of <i>tachengense</i> An & Mahe, 1994, but no	
available subst. name) .....	China (Xinjiang)
<b>takahasii</b> (Rubtsov, 1962) .....	Japan (Honshu, Ky, Sh); China (Gu, Qi, Sh, Yu), Korea
‘Uma-buyu’ Kani, 1944	(South)
<i>takahashi</i> , <i>takahashii</i> : incorrect subsequent spellings	

[ <i>equinum</i> : Shiraki, 1935, not Linnaeus]	
[ <i>salopiense</i> : Bentinck, 1955, not Edwards]	
<b>talassicum</b> (Yankovsky, 1984) .....	Kyrgyzstan
<b>tongbaishanense</b> Chen & Luo, 2006 .....	China (Hubei)
<b>veltistshevi</b> Rubtsov, 1940 .....	Tajikistan; Afghanistan, Azerbaijan, China (IM, Xi), Iran, Kazakhstan, Pakistan, Romania, Turkmenistan, Ukraine (Crimea), Uzbekistan
<i>vewltishevi</i> : incorrect subsequent spelling	
<b>wushiense</b> Mahe, An & Yan, 1997 .....	China (Xinjiang, Qi)
<i>weshiense</i> : incorrect subsequent spelling	
<b>xingyiense</b> Chen & Zhang, 1998 .....	China (Guizhou)
<i>ximgyiense</i> : incorrect subsequent spelling	

### Subgenus XENOSIMULIUM Crosskey

**XENOSIMULIUM** Crosskey, 1969 (as subgenus of *Simulium*). Type species: *imerinae* (original designation)

<b>ambositrae</b> Grenier & Grjebine, 1959 [1958] .....	Madagascar
[ <i>neireti</i> : Grenier & Doucet, 1950 (part), not Roubaud]	
<b>griveaudi</b> Ovazza & Ovazza, 1970 .....	Madagascar
<b>imerinae</b> Roubaud, 1905 .....	Madagascar (incl. Nosy Bé Island); Comoro Islands
‘M1’ Grenier & Doucet, 1950 ( <i>Simulium</i> sp.)	(Mohéli[?])
<b>iphias</b> De Meillon, 1951 .....	Madagascar
‘8f’ Gibon, Elouard & Sartori, 1996 (pupal filament number form)	
‘10f’ Gibon, Elouard & Sartori, 1996 (pupal filament number form)	
‘15f’ Gibon, Elouard & Sartori, 1996 (pupal filament number form)	
‘19f’ Gibon, Elouard & Sartori, 1996 (pupal filament number form)	
<b>neireti</b> Roubaud, 1905 .....	Madagascar

### *Simulium* sensu lato species unplaced to subgenus

<b>canescens</b> Brème, 1842 [ <i>in</i> Kölliker] .....	Switzerland
<b>chilianum</b> Rondani, 1863 .....	Chile [no locality]
<b>diaznajerai</b> Vargas, 1943 (subst. name) .....	Mexico [no locality]
<i>tenuifrons</i> (Enderlein, 1936) (preocc.)	
<b>incanum</b> Loew, 1840 .....	Poland
<b>lividum</b> (Schellenberg, 1803) .....	Switzerland
<b>nigrifemur</b> (Enderlein, 1936) .....	Chile (Maule)
<b>ochrescentipes</b> Enderlein, 1921 .....	Turkmenistan
<i>ochresentipes</i> : incorrect subsequent spelling	
<b>spinifer</b> Knab, 1914 .....	Peru (‘Verrugas Canyon’, Calca, Cuzco)
<i>limbatum</i> (Enderlein, 1934) [1933] (preocc.) [Peru (Cuzco)]	
<i>angustitarse</i> (Enderlein, 1934) [1933] (preocc.) [Peru (Calca)]	
<i>hoffmanni</i> Vargas, 1943 (subst. name, for <i>angustitarse</i> )	
<i>sicuanii</i> Smart, 1944 (subst. name, for <i>limbatum</i> )	
<i>incaicum</i> Vargas, 1945 (unnecessary subst. name, for <i>limbatum</i> )	
‘F’ Lewis, 1963 ( <i>Simulium</i> sp.) .....	Venezuela
‘Hernan’ Lewis, 1973 ( <i>Simulium</i> sp.) .....	Pakistan
‘Kolalai’ Lewis, 1973 ( <i>Simulium</i> sp.) .....	Pakistan
‘Langan’ Lewis, 1973 ( <i>Simulium</i> sp.) .....	Pakistan
‘Swat’ Lewis, 1973 ( <i>Simulium</i> sp.) .....	Pakistan

### Unplaced *nomina nuda* in *Simulium* sensu lato

<i>adamicum</i> Maskey, 1986 [Nepal]
<i>anomalum</i> Eversmann, 1834 [Russia]
<i>anuragum</i> (Maskey, 1986) [Nepal]



*friendicum* Maskey, 1986 [Nepal]  
*galea* Maskey, 1986 [Nepal]  
*gardenicum* Maskey, 1986 [Nepal]  
*godavaricum* (incl. *godavaricum* 'sp. 1') (Maskey, 1986) [Nepal]  
*gokarnum* (Maskey, 1986) [Nepal]  
*hetaudense* Maskey, 1986 [Nepal]  
*kedarai* Maskey, 1986 [Nepal]  
*laticornis* Knoz, 1963 (attrib. Zwolsky) [Czech Republic]  
*mandirense* Maskey, 1986 [Nepal]  
*maridienale* Hua Li-Zhong, 2006 [China (Hong Kong)]  
*montium* Sun, 1994 (attrib. Xue, 1990) [China]  
*neogracilis* Sun, 1994 (attrib. Duang & Chen, 1993) [China]  
*panicum* Maskey, 1986 [Nepal]  
*takaocum* Maskey, 1986 [Nepal]  
*ussovai* Maskey, 1986 [Nepal]  
*xiaguanense* Sun, 1994 (attrib. Xue, 1990) [China]

### Genus STEGOPTERNA Enderlein

**STEGOPTERNA** Enderlein, 1930 (as genus). Type species: *trigonium*, as *richteri* (original designation)

- acra** Currie, Adler & Wood, 2004 [*in* Adler, Currie & Wood] ..... USA (Arizona, Cal, Col, Nev, Utah, Wyo)  
   'W' Madahar, 1969 (*Cnephia* cytoform)  
   [*mutata*: authors (western USA), not Malloch]
- asema** Rubtsov, 1956 ..... Siberia (Maritime FE)  
   [*sibirica*: Rubtsov, 1940, not Enderlein]
- byrrangii** Yankovsky, 2000 ..... Siberia (Taymyrsky ES)
- decafilis** Rubtsov, 1971 ..... Siberia (Yakutskaya ES, FE); Canada (NWT, Yukon),  
   USA (Alaska)  
   *hamuligera* Yankovsky, 1977 [Siberia (Amurskaya)]\*  
   'undescribed species' Corkum & Currie, 1987
- diplomatata** Currie & Hunter, 2003 ..... Canada (Ontario, NS, PEI, Que incl. Magdalen Islands);  
   USA (Ala, Ark, Geo, Ill, Ind, Mar, Mas, Miss, NC,  
   NH, NJ, NY, Ohio, Pen, SC, Ten, Vir, Wis, WV)  
   '2n' Basrur, 1957 (thesis) (*mutata* cytoform)  
   'diploid' Basrur & Rothfels, 1959 (*mutata* cytoform)  
   'A' Currie & Hunter, 2003 (cytoform) ..... Canada  
   'B' Currie & Hunter, 2003 (cytoform) ..... Canada  
   [*mutata*: authors, not Malloch]
- duodecimata** (Rubtsov, 1940) ..... Siberia (Irkutskaya ES, FE, WS); Norway  
   *duodecimata* (Rubtsov, 1936, 1937, 1939) (unav., *nomen nudum*)  
   *duodedecimata* (Rubtsov, 1939) (unav., *nomen nudum*)  
   *duogecimata*: incorrect subsequent spelling
- emergens** (Stone, 1952) ..... USA (Alaska, Mic, Wis); Canada (Alb, BC, Lab, Man,  
   Nun incl. Baffin and Southampton Islands, NWT incl.  
   Victoria Island, Ont, Sask), Siberia (FE)  
   '#2' Anderson & Dicke, 1960 (*Cnephia* sp.)  
   [*mutata*: authors (western Canada), not Malloch]  
   [Yankovsky, 2008 treats *tschukotensis* as valid sp.]
- longicoxa** Rubtsov, 1971\* ..... Siberia (Krasnoyarsk ES)
- mutata** (Malloch, 1914) ..... USA (New Jersey, Ark, Del, Geo, Iowa, Kan, Ken, Lou,  
   Maine, Mar, Mas, Mic, NC, NH, NY, Ohio, Pen, SC,  
   Ten, Vir, Wis, WV); Canada (Lab, NB, Nfld, Ont, PEI,  
   Que incl. Magdalen Islands). ['Japan' error]
- 'undescribed' Strickland, 1911 (*Simulium* sp.)  
   'No. 2' Ritcher, 1931 (*Simulium* sp.)  
   'A' Johannsen, 1934 (*Simulium* sp.)  
   '3n' Basrur, 1957 (thesis) (cytoform)  
   'triploid' Basrur & Rothfels, 1959 (cytoform)
- nukabirana** Ono, 1977 ..... Japan (Hokkaido)
- permutata** (Dyar & Shannon, 1927) ..... Canada (British Columbia incl. Queen Charlotte  
   Islands); USA (Cal, Was)  
   *premutata*: incorrect subsequent spelling
- takeshii** Takaoka, 2005 ..... Japan (Honshu)
- trigonium** (Lundström, 1911) (complex) ..... Finland; Belarus, Canada (Nun, NWT), Denmark, Japan  
   (*freyi* (Enderlein, 1929) [Russia (Murmansk)]) (Hon), Latvia, Norway, Russia (CR, KM, NR), Siberia

<i>richteri</i> Enderlein, 1930 [Russia (Murmansk)]	(WS), Sweden, USA (Alaska), Netherlands (?).
<i>majalis</i> Rubtsov & Carlsson, 1965 [Russia (St. Petersburg)]	[‘Romania’ error]
<i>dentata</i> Rubtsov & Carlsson, 1965 [Russia (Sverdlovskaya)]	[Yankovsky, 2003 [2002] treats <i>majalis</i> , <i>dentata</i> , and
<i>haematophaga</i> Rubtsov & Carlsson, 1965 [Russia (Permskaya)]	<i>haematophaga</i> as valid spp.]
‘1’ Adler, Malmqvist & Zhang, 1998 (cytoform) .....	Sweden
‘2a’ Adler, Malmqvist & Zhang, 1998 (cytoform) .....	Finland, Sweden
‘2b’ Adler, Malmqvist & Zhang, 1998 (cytoform) .....	Sweden
<i>richerti</i> : incorrect subsequent spelling	
<i>trigonum</i> : incorrect subsequent spelling	
[ <i>mutata</i> : Japanese authors, not Malloch]	
<b>tundrensis</b> Yankovsky & Aibulatov, 2009 .....	Siberia (Magadanskaya FE, ES)
<b>xantha</b> Currie, Adler & Wood, 2004 [ <i>in</i> Adler, Currie & Wood] .....	Canada (British Columbia: Vancouver Island and
‘O’ Madahar, 1969 ( <i>Cnephia</i> cytoform)	mainland); USA (Cal, Mon, Ore)
‘Y’ Madahar, 1969 ( <i>Cnephia</i> cytoform)	

### Genus SULCICNEPHIA Rubtsov

**SULCICNEPHIA** Rubtsov, 1971 (as genus). Type species: *ovtshinnikovi* (original designation)

<b>alichurensis</b> (Rubtsov, 1967) .....	Tajikistan
<b>argylacea</b> (Rubtsov, 1947) .....	Tajikistan; Kazakhstan
<b>derzhavini</b> (Rubtsov, 1940) .....	Siberia (Kamchatka FE)
<i>derzharini</i> : incorrect subsequent spelling	
<b>filidistans</b> (Rubtsov, 1947) .....	Tajikistan; Uzbekistan
<i>sulcata</i> (Rubtsov, 1956) [Tajikistan]	
<b>flavipes</b> (Chen, 1984) .....	China (Inner Mongolia)
<i>flavopes</i> : incorrect subsequent spelling	
<b>galinae</b> Yankovsky, 1989 .....	Mongolia
<b>jankovskiae</b> (Rubtsov, 1956) .....	Kyrgyzstan
<b>jeholensis</b> (Takahasi, 1942) .....	China (Hebei)
<b>jingpengensis</b> (Chen, 1984) .....	China (Inner Mongolia)
<b>lobashovi</b> Rubtsov, 1976 .....	Tajikistan
<i>lobaschovi</i> : incorrect subsequent spelling	
<b>octodecimfiliata</b> (Rubtsov & Violovich, 1965) .....	Siberia (Tuva WS)
<b>ovtshinnikovi</b> (Rubtsov, 1940) .....	Kazakhstan; Kyrgyzstan, Mongolia, Siberia (WS),
<i>undecimfilum</i> (Rubtsov, 1947, as <i>11-filum</i> ) (unav., <i>nomen nudum</i> )	Tajikistan, Uzbekistan
<i>ovtchinnikovi</i> , <i>ovtshinnicovi</i> , <i>ovtshinnikov</i> :	
incorrect subsequent spellings	
<b>pandjensis</b> (Rubtsov, 1967) .....	Tajikistan
<b>petrovae</b> Rubtsov, 1976 .....	Tajikistan
<i>petrovi</i> Petrova, 1973 (unav., <i>nomen nudum</i> )	
<i>petrovi</i> Petrova, 1974 (available, incorrect spelling)	
<b>stegostyla</b> (Rubtsov, 1961) .....	Kazakhstan; Kyrgyzstan, Siberia (Tuva WS)
<i>stegostila</i> : incorrect subsequent spelling	
<b>syrdarjensis</b> Rubtsov, 1978 .....	Kazakhstan
<i>syrdariensis</i> : incorrect subsequent spelling	
<b>tungus</b> (Rubtsov, 1956) .....	Siberia (Krasnoyarsk ES, Irkutskaya ES); Mongolia
<i>tungussica</i> (Berzina, 1957) (unav., <i>nomen nudum</i> )	
<b>undecimata</b> (Rubtsov, 1951) .....	Kazakhstan [neotype]; China (Xi), Kyrgyzstan,
[ <i>subgriseum</i> : Rubtsov, 1940 (part)]	Turkmenistan, Uzbekistan (?)
<b>viculinae</b> Yankovsky, 1989 .....	Kyrgyzstan
<b>vitalii</b> (Rubtsov, 1967) .....	Tajikistan
<b>znoikoi</b> (Rubtsov, 1940) .....	Azerbaijan (Nakhichevan); Armenia, Iran, Turkey
<i>znoicoi</i> , <i>znojko</i> : incorrect subsequent spellings	

## Genus TLALOCOMYIA Wygodzinsky & Díaz Nájera

**TLALOCOMYIA** Wygodzinsky & Díaz Nájera, 1970 (as genus). Type species: *revelata* (original designation)

*STEWARTELLA* Coleman, 1951 (thesis) (unav., *nomen nudum*)

*MAYACNEPHIA* Wygodzinsky & Coscarón, 1973 (as genus). Type species: *pachecolunai* (original designation)

### ANDERSONI species-group

**andersoni** Currie, Adler & Wood, 2004 [*in* Adler, Currie & Wood] ..... USA (Oregon, Cal)

### OSBORNI species-group

**osborni** (Stains & Knowlton, 1943) ..... USA (California, Ari, Ore)

‘nr. *osborni*’ Moulton, 1997 (thesis) (*Mayacnephia*)

**ramifera** Currie, Adler & Wood, 2004 [*in* Adler, Currie & Wood] ..... Canada (British Columbia, Alb, Yukon); USA (Idaho,

‘G’ Hocking, 1950 (*Cnephia*) ..... Ore, Was)

‘n. sp. near *stewarti*’ Madahar, 1967 (thesis) (*Cnephia*)

‘X’ Currie, 1986 / Ramírez-Pérez *et al.*, 1988 (*Mayacnephia* sp.)

**stewarti** (Coleman, 1953) ..... USA (California)

### PACHECOLUNAI species-group

**aguirrei** (Dalmat, 1949) ..... Guatemala; Mexico (Ch)

**alticola** (Dyar & Shannon, 1927) ..... Mexico (Chihuahua)

**atzompensis** (Díaz Nájera, 1962) ..... Mexico (Morelos)

*atzompensis*, *atzopensis*: incorrect subsequent spellings

**fortunensis** (Petersen, 1984) [*in* Petersen & Mendez] ..... Panama

‘A’ Petersen, Adames & De León, 1983 (*Mayacnephia* sp.)

**grenieri** (Vargas & Díaz Nájera, 1948) ..... Mexico (Veracruz)

**mixensis** (Díaz Nájera, 1962) ..... Mexico (Oaxaca)

**muzquicensis** (Díaz Nájera, 1971) ..... Mexico (Coahuila)

**pachecolunai** (De León, 1945) ..... Guatemala; Mexico (Chiapas)

‘B’ De León, 1943 (*Simulium* sp.)

**revelata** Wygodzinsky & Díaz Nájera, 1970 ..... Mexico (Federal District)

**roblesi** (De León, 1943) ..... Guatemala

**salasi** (Ramírez-Pérez, Peterson & Vargas, 1988) ..... Costa Rica

**tadai** (Ochoa & Takaoka, 1993) ..... Guatemala

## UNPLACED FOSSIL GENERA

[Genus *CRETACEOSIMULIUM* Vulcano]

[*CRETACEOSIMULIUM* Vulcano, 1985 (unav., *nomen nudum*)]

[*araripense* Vulcano, 1985 (unav., *nomen nudum*)]

[Genus *SIMULIITES* Kalugina]

[*SIMULIITES* Kalugina, 1986 [*in* Rasnitsyn] (as genus). Type species: *brevirostris* (monotypy)]

[*brevirostris* Kalugina, 1986 [*in* Rasnitsyn]] ..... [Mongolia: Upper Mesozoic]

## NOTES FOR INVENTORY

### Notes for the current (2010) inventory entries marked with a triple asterisk (\*\*\*)

*akopi*. Although previously placed in the *S. vernum* group, based on the original claim of Chubareva & Kachvoryan (2000, *Parazitologiya* **34**: 470-476), *S. akopi* has chromosomal features that align it more closely with the *S. ruficorne* group, according to our assessment of the chromosomal map presented in figure 115 of Chubareva & Petrova (2008, *Tsitologicheskije Karty Politennykh Khromosom i Nekotorye Morfologicheskie Osobennosti Krovososushchikh Moshek Rossii i Sopredel'nykh Stran (Diptera: Simuliidae)*).

*borealis*. The type locality of this species in Canada previously has been reported as Northwest Territories; however, D. C. Currie has pointed out to us that the original collector, Diamond Jenness, in his diary (Jenness, 1991, *Arctic Odyssey: Diary of Diamond Jenness, 1913-1916*: 465) indicates that he spent nearly the entire summer of 1915 along the southwestern margin of the Wollaston Peninsula, an area clearly within Nunavut.

*bovis*. Botswana is added to the distribution for this species on the basis of Palmer & de Moor (1998, *African Entomology* **6**: 233), who recorded it from Groblersbrug on the Limpopo River where this forms the international border between South Africa and Botswana.

*damnosum*. Botswana is added to the distribution for this species on the basis of Palmer & de Moor (1999, *British Simuliid Group Bulletin* **14**: 11), who mark a locality square on the Limpopo River where this forms the international border between Botswana and South Africa.

*dentulosum*. A probable new species of the subgenus *Anasolen*, with 14 pupal gill filaments as in *S. dentulosum*, occurs on the Comoro Islands (Anjouan) where it is quite common (Crosskey, unpublished).

*Gigantodax*. In their revision of *Gigantodax*, Wygodzinsky & Coscarón (1989, *Bulletin of the American Museum of Natural History* **189**: 1-269) recognized 8 species groups, although the *cortesi* species-group later was recognized dubiously as the genus *Pedrowygomysia*. Pinto-Sanchez et al. (2004, *Insect Systematics and Evolution* **36**: 219-240) in a cladistic analysis recognized 6 species groups, although more than 20 species remained unplaced to group, and suggested that 4 of the original species-groups were not monophyletic. We follow the original arrangement of Wygodzinsky & Coscarón (1989) without explicitly endorsing that classification.

### Summary of new combinations and new synonyms for 2009

***Simulium pydanieli* (Pessoa, Medeiros & Barbosa, 2008) Comb. n.**

### Notes for the 2009 inventory entries marked with a double asterisk (\*\*)

*arcticum*. Under the name *arcticum*, we accommodate the numerous cytoforms that have been discovered in the *S. arcticum* complex, some of which are probably legitimate species. The IIL-3 cytoform represents true *S. arcticum* (Adler et al., 2004, *The Black Flies (Simuliidae) of North America*: 397) and might be the only vernacular name that legitimately pertains to *S. arcticum* sensu stricto.

*galeratum*. The status of the name *galeratum* has long been controversial, but in recent times it usually has been treated as synonymous with *reptans*. However, a combined molecular and morphological study of *reptans* sensu lato in England by Day, Goodall & Post (2008, *Medical and Veterinary Entomology* **22**: 55-61) showed the presence of two species, to one of which the name *galeratum* applies. For present purposes, we accept *galeratum*, but note that it remains uncertain whether populations from continental Europe, which have been called *galeratum* in the past, are conspecific with those in Britain.

### Summary of new combinations and new synonyms for 2008

***Helodon laamii* (Beaucournu-Saguez & Bailly-Choumara, 1981) Comb. n.**

***Simulium (Inaequalium) lundi* (Py-Daniel & Barbosa, 2007) Comb. n.**

***Simulium (Montisimulium) onum* (Bodrova, 1988) [*in* Bodrova & Luk'yanchuk] Comb. n.**

***Simulium (Nevermannia) itelmenica* (Chubareva & Yankovsky, 2006) Comb. n.**

***Simulium (Simulium) tshuni* (Yankovsky, 2006) Comb. n.**

**Metacnephia lyra** (Lundström, 1911)

*trigoniformis* Yankovsky, 2003 [2002] **Syn. n.\***

**Simulium inaequale** (Paterson & Shannon, 1927)

*hauseri* Strieder, 1998 (thesis) (unav., *nomen nudum*) **Syn. n.**

*hauseri* Coscarón & Coscarón-Arias, 2007 (unav., *nomen nudum*) **Syn. n.**

**Stegopterna decafilis** Rubtsov, 1971

*hamuligera* Yankovsky, 1977 **Syn. n.\***

#### Notes for the 2008 inventory entries marked with an asterisk (\*)

The following list of annotations follows the format of the 2004 web-based Inventory version. Entries in the following list refer to names marked with an asterisk (\*) in the current Inventory. Names are listed alphabetically and shown in italics (except for vernaculars) regardless of rank or nomenclatural status. Titles of articles are omitted, and literature citations are restricted to the journal reference or book title. Describers' names are omitted because they are evident from the inventory text. *Code* refers to the *International Code of Zoological Nomenclature* (4<sup>th</sup> edition, 1999).

*amazonicum* species-group. We follow Shelley *et al.* (2006, *Zootaxa* **1274**: 1-68) in their interpretation of the *amazonicum* species-group.

*angustipes*. We add a new country record for this species, based on our chromosomal analysis of larvae from Mongolia: Gorkhit River, Gorkhi Terelj National Park, 47°53.23'N 107°26.19'E, 21 July 2004. Larvae are, however, chromosomally unique in having differentiated sex chromosomes.

*antillarum*. Coscarón & Coscarón-Arias (2007, *Neotropical Simuliidae (Diptera: Insecta)*: 418) list *antillarum* as a valid species, with *pseudoantillarum* as a synonym; we follow the rationale of Shelley *et al.* (2000, *Bulletin of the British Museum (Natural History) (Entomology)* **69** (2): 171-221) in recognizing both names as synonyms of *ochraceum*, although once formal names are assigned to the various sibling species in the *ochraceum* complex, these names might again be applied to distinct species.

*annuliforme*. The holotype female of *S. annuliforme* is similar to females of the *S. baffinense* species-group and might be conspecific with one of the group's included species. We, therefore, move *S. annuliforme* from the *S. annulus* species-group to the *S. baffinense* species-group. The male that Rubtsov (1962, *Die Fliegen der palaearktischen Region (III)* **14**: 277-278) initially and in subsequent works associated with the female of *S. annuliforme* corresponds in every respect with that of *S. annulus* and is here treated as a misidentification under that species.

*bezzii*. Our chromosomal analysis indicates that *S. bezzii* in Armenia is a complex of at least two reproductively isolated species; some of the synonyms currently listed under *S. bezzii* might apply to one or more of these cytoforms.

*buettikeri*. We have two females, clearly members of the *buettikeri* species-group, that were collected from cattle (*Bos indicus*) in Afghanistan: Bahkian, Parwan Province, 35°58'27"N 69°22'57"E, 11 June 2003. Both females have the characteristic tuft of macrotrichia posterior to the metathoracic spiracle and a complete lack of a calcipala. Although we tentatively place these specimens under *S. buettikeri*, they probably represent a separate species, differing from *S. buettikeri* by having a frons only slightly wider than the antenna and brown femora.

*canadense* species-group. Some authors (e.g., Coscarón & Coscarón-Arias, 2007, *Neotropical Simuliidae (Diptera: Insecta)*: 561-562) recognize the *canadense* species-group as subgenus *Hearlea*, with two species groups (i.e., *carolinae* and *juarezi* species-groups). Adler *et al.* (2004, *The black flies (Simuliidae) of North America*: 369) argued for the recognition of a simplified classification with greater information content and emphasis on similarities among the various species-groups of subgenus *Hemicnetha* as recognized here.

*cryophilum*. The *cryophilum* complex consists of at least two reproductively isolated species, cytoforms 'A' and 'B2', that overlap widely in geographic distribution. New records for cytoform 'A' include Austria, near Seekirchen Fischbach, 29 March 2000; and Switzerland, Ascona, 26 March 2001.

'near *dandrettai*'. Coscarón & Coscarón-Arias (2007, *Neotropical Simuliidae (Diptera: Insecta)*: 454) suggested that pupal differences between *dandrettai* and 'near *dandrettai*', albeit slight, might indicate the existence of two species.

*equinum* species-group. We combined the previously recognized *lineatum* species-group with the *equinum* species-group, the morphological distinction between the two groups being small.

*fulcalutum*. Vulcano (1967, *A Catalogue of the Diptera of the Americas South of the United States* **16**: 11) correctly showed that “Bora” in Enderlein’s (1929, *Deutsche Entomologische Zeitschrift* **1929**: 327-328) original statement of the type locality (“Bora del Monte”) is a mistake for Boca and that Boca del Monte is in Veracruz State.

*fulvinotum*. The intended original description of this species was published by Cerqueira & Nunes de Mello (*in* Cerqueira, 1968, *Amazoniana* **1**: 205-210). The name, however, is available from the previously published work of Cerqueira (1967, *Atas do Simpósio sobre a Biota Amazônica* **5** (Zoologia): 127-139).

*Gomphostilbia*. We follow Takaoka (2003, *The Black Flies (Diptera: Simuliidae) of Sulawesi, Maluku and Irian Jaya*: 50-56) in his revised interpretation of the limits and species-groups of the subgenus *Gomphostilbia*. Accordingly, we do not recognize the *altayense* species-group, which was established by An and Chen (2007, *Acta Parasitologica et Medica Entomologica Sinica* **14**: 111) on the basis of a weakly developed calcipala in two species (*S. altayense* and *S. meadowi*).

*hamuligera*. The original description and illustrations of *hamuligera* conform in every respect to those of *decafilis*, most notably regarding the pupal gill of 10 filaments and the untoothed mouthparts of the female. In addition, the chromosomes of larvae that we examined from Khabarovsk Territory (Solnechnyi District, branch of Amgun’ River, unnamed stream south of Sonah River Basin, 51°26.822’N 135°15.320’E, 29 July 2006), the general area of the type locality of *hamuligera*, have the same banding pattern as those of *St. decafilis* from Alaska, the Northwest Territories (Adler *et al.*, 2004, *The Black Flies (Simuliidae) of North America*: 285), and Anadyr, Russia (unpublished). We examined the slidemount of the holotype female and its associated exuviae, as well as other slidemounts of *hamuligera*, in the collection of the Zoological Institute, St. Petersburg. All slides, however, are in poor condition, with deterioration of the mounting medium, and no details can be gleaned reliably from the preparations in their current condition. With no evidence to the contrary, we synonymize *hamuligera* with *decafilis*.

*Hebridosimulium*. We follow Craig *et al.* (2006, *Zootaxa* **1380**: 1-90) in recognizing their species-groups of *Hebridosimulium*.

*Helodon (Helodon)*. Several species, previously placed in *Helodon* (as genus or subgenus) by various workers, properly belong in the genus *Prosimulium* based on adult characters such as the elongate hypogynial valves of the female and pronounced lip of the ventral plate of the male (e.g., *albense*, *apoina*, *arshanense*, *sarurense*, *yezoense*). Other species (*candicans*, *intercalare*, *pamiricum*, *pecticrassum*), at times placed in *Helodon*, belong in the *Prosimulium macropyga* species-group, based on chromosomal characters. Still other species, (*oligoaristatum*), although known only from larvae, are better placed in *Prosimulium* because of their resemblance to species of that genus with known chromosomes or adults. The placement of a few species remains problematic because of incomplete descriptions and lack of associated life stages. One such species is *unispinum*, here placed in the genus *Prosimulium* on the basis of an apparently narrow ventral plate with a pronounced lip; it is tentatively assigned to the *hirtipes* species-group. Another is *mesenevi*, here tentatively recognized in *Helodon*, on the basis of its resemblance, perhaps superficially, to *H. irkutensis* in the larval stage. On the other hand, we place *laamii*, which typically has been in the genus *Prosimulium*, in *Helodon (Helodon)*, based on a number of diagnostic characters such as the short, rounded hypogynial valves of the female. Its southern distribution, however, is anomalous vis à vis the typical northern Holarctic distribution of other members of the subgenus *Helodon*.

*hieroglyphicum*. We add a new country record, based on three pupae collected in Panama: Chiriqui, Cerro Punta, 8°53’N 82°36’W, 23 June 1999.

‘indet.’ This apparently undescribed species was placed by Belqat *et al.* (2001, *British Simuliid Group Bulletin* **17**: 12) in the *venustum* species-group on the basis of the IIS-C chromosomal sequence. It, however, has the fundamental IILL sequence found in the *bezzii*, *ornatum*, and *noelleri* species-groups, as well as in all cytologically examined members of the chromosomally ill-defined *variegatum* species-group (Adler, unpublished). Larvae have a negative head-spot pattern and a postgenal cleft intermediate between that of the *venustum* and *variegatum* species-groups. Pupae have six filaments and a slipper-shaped cocoon. Correct placement of this species must await discovery of the adults.

*Inseliellum*. We follow Craig & Joy (2000, *Annals of the Entomological Society of America* **93**: 1237) in recognizing their species-groups in the subgenus *Inseliellum*.

*kariyai*. This species, known only from a superficial description of the male, previously had been placed in the subgenus *Boreosimulium*. The following characters, however, suggest that the species is a member of the subgenus *Simulium*, as suggested by Adler *et al.* (2004, *The Black Flies (Simuliidae) of North America*: 314): base of radius bare, scutum patterned, and legs banded. Accordingly, we place *kariyai* in the subgenus *Simulium* and, based on the putative similarity to *S. quinquestriatum* (Takahasi, 1940, *Insecta Matsumurana* **15**: 65), in the *striatum* species-group.

*kirjanovae*. In a band-by-band comparison of the chromosomes of *M. saileri* (as *pallipes*) from Murmansk and *M. kirjanovae*

from the type locality, Petrova (1979, *Ecological and Morphological Principles of Diptera Systematics (Insecta) [Ekologicheskie i Morfologicheskie Osnovy Systematiki Dvukrylykh Nasekomykh]*: 79-81) indicated that the banding sequences were the same, and that the main morphological feature distinguishing *kirjanovae* and *saileri* was the pupal branching pattern. She concluded that "we are dealing with a single species," but hesitated to synonymize *kirjanovae*. Not having seen material of *M. kirjanovae*, we prefer not to commit the name to synonymy at this time.

*longicoxa*. Of the four subspecies described under the name *richteri*, only *longicoxa* has weakly developed female mouthparts. We, therefore, recognize *longicoxa* separately from *St. richteri* sensu stricto, whose females have fully toothed maxillae and mandibles, although we note that *longicoxa*, nonetheless, might be synonymous with one of the non-bloodfeeding species of *Stegopterna* (e.g., *decafilis*, *emergens*).

*longipile*. The authorship and date of *longipile* should be Radzivilovskaya (1948), not Rubtsov (1956), as explained by Adler *et al.* (2004, *The Black Flies (Simuliidae) of North America*: 339).

*lundi*. This species was placed, "temporarily" and with little justification, in the *maranguapense* species-group (*Acta Amazonica* **37**: 465). Because substantive characters to justify a new species group are lacking and because the subgenus *Inaequalium* is small and already includes two species groups, we place this species in the *inaequale* species-group.

*manense*. Country records include some based on current study of the subgenus *Freemanellum* by R. W. Crosskey.

*Morops*. We follow Takaoka (2003, *The Black Flies (Diptera: Simuliidae) of Sulawesi, Maluku and Irian Jaya*: 230-233) in his revised interpretation of the limits of the subgenus *Morops*.

*onum*. The obscure description of this species appeared in the work of Bodrova & Luk'yanchuk (1988, On the knowledge of the blackfly (Diptera, Simuliidae) fauna of Sakhalin Island, *Fauna, Sistematika i Biologiya Presnovodnykh Bespozvonochnykh*, DVO AN SSSR, Vladivostok: 21, 27). Proposed as a 'nom. nov.', the name actually applies to a new species that Ono (1977, *Japanese Journal of Sanitary Zoology* **28**: 179-185) misidentified as *sakhalinum* from Hokkaido, Japan. The name, therefore, is not a homonym in need of a substitute name. Bodrova intended the name as an honorific for Ono. Although the name is malformed, under the present *Code* it is merely a case of 'incorrect latinization', coming within the meaning of the wording of the second sentence of Article 32.5.1. The name *onoi*, authored by Yankovsky (1996) and later by Sato & Takaoka (2004), therefore, is not homonymous.

*oviedoi*. Coscarón & Coscarón-Arias (2007, *Neotropical Simuliidae (Diptera: Insecta)*: 556-557) consider *oviedoi* and *rivasi* as members of the *oviedoi* species-group in subgenus *Hemicnetha*.

*Pedrowygomysia*. This genus probably should be synonymized with *Gigantodax* from which it was cleaved off by Coscarón & Miranda-Esquivel (1998, *Entomologica Scandinavica* **29**: 161-167) and from which it differs only in minute structural characters. We hesitate, however, to do so formally until a thorough cladistic reanalysis is completed.

*Prosimum*. See note above for *Helodon*.

*rivasi*. Same situation as for *oviedoi*; see above.

*trigoniformis*. This name was authored by Yankovsky (2003, *Opredelitel' Moshek (Diptera: Simuliidae) Rossii i Sopredel'nykh Territorii (Byvshego CCCP)*: 9, 213, 218, 223) as a "nom. n." for *trigonia* sensu Rubtsov, 1956, and appears in his checklist and keys to species. The name, however, was intended for a new species, which had been misidentified as *trigonia* by Rubtsov (1956). No type was designated, and the name, therefore, is unavailable under *Code* Article 16.4.1. Further, we can find no compelling differences between *Metacnephia lyra* and *Cnephia trigonia* sensu Rubtsov, 1956. The name *trigoniformis*, therefore, falls as a synonym of *lyra*.

*tsheburovae*. The slender, tapered gonostylus and numerous parameral spines in the male genitalia of *S. tsheburovae* suggest a relationship with members of the subgenus *Hellichiella* (Adler *et al.*, 2004, *The Black Flies (Simuliidae) of North America*: 314); consequently, we move this species from the *S. annulus* species-group of *Boreosimum* and place it in the subgenus *Hellichiella* (*congaenarum* species-group).

*tuberosum*. The name *tuberosum* has been applied over a large geographic area, and many of the European records refer to other species. As currently recognized, *Simulium tuberosum* is a Nearctic and northern Palearctic species. In North America, it consists of two cytoforms, 'A' and 'AB', possibly representing separate species. Their geographic distributions are given by Adler *et al.* (2004, *The Black Flies (Simuliidae) of North America*: 834, 835).

*vega*. We find no compelling structural differences that distinguish *vega* from *himalayense* and, therefore, suggest synonymy. This hypothesis could be confirmed by examination of the respective types, preferably with chromosomal or molecular study of topotypical material. We do, however, agree that 'sp. A' and 'sp. B' as described by Maskey (1998, *Journal of Natural History Museum* **17**: 10-13, 19-21) represent species distinct from *vega* and, therefore, place them near the end of the *variegatum* group, although they, too, might represent synonyms of previously described species.

*vernum*. *Simulium vernum* is a widespread complex consisting of an unknown number of sibling species. The 'Hornvik' cytoform is a distinct species on the basis of chromosomes (Brockhouse, 1991, Ph.D. thesis, University of Toronto: 55-58) and hard-parts morphology (Peterson, 1977, *Canadian Entomologist* **109**: 461-472; as *S. vernum*).