

**WORLD BLACKFLIES (DIPTERA: SIMULIIDAE): A
COMPREHENSIVE REVISION OF THE TAXONOMIC AND
GEOGRAPHICAL INVENTORY [2012]**

Peter H. Adler¹ & Roger W. Crosskey²

¹Entomology Program, 114 Long Hall, Clemson University, Clemson, South Carolina, 29634-0315, USA
padler@clemson.edu

²Department of Entomology, The Natural History Museum,
Cromwell Road, London SW7 5BD, UK
r.crosskey@nhm.ac.uk

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Introduction to the 2012 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 2012. 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 Introductions to the 2009-2011 revisions, therefore, can be found before the References, which include literature from all revisions, beginning with 2008. Acknowledgments from previous revisions are combined and included before the References. 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 (2012) inventory". Table 1, which summarizes the numbers of formally named species in the genera and subgenera of the world Simuliidae, is updated annually.

We highlight here one change that affects previous records provided for species distributions. Because of the establishment, since 9 July 2011, of South Sudan as an independent country, separated from the erstwhile Sudan, we have changed, as now necessary, the 'Sudan' country distribution entries.

In this most recent revision of the Inventory, a total of 2,132 species (2,120 living and 12 fossil) are listed as valid (Table 1). The small difference in the living species total from 2011 is due to the counterbalancing effect of recently established synonymies.

Acknowledgments for the 2012 Revision

We thank D. A. Craig, N. Hamada, J. Ilmonen, and H. Takaoka for providing comments, corrections, and literature for the 2012 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 in subsequent years to reflect changes in our approach and updates to each inventory revision.

(1) Taxonomic information

Scope

The Inventory covers nominal taxa of blackflies known to us to have been described before 1 January 2011. 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), *Mesasimulium lahaigouense* Zhang, 1986 (family uncertain), *Pseudosimulium humidum* (Westwood in Brodie, 1845) (Rhagionidae), *Simulia pasithea* 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 3rd 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 4th 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 were 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 Ramírez 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 Potosí 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 Ríos; For, Formosa; LP, La Pampa; LR, La Rioja; Men, Mendoza; Mis, Misiones; Nqn, Neuquén; RN, Río 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; 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 pre-2008 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 or on 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).

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 [updated in 2011 revision]), 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.

Introduction to the 2010 Revision

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 [updated in 2011 revision]), representing a net gain of 41 valid species since the 2009 inventory revision, all but 3 in the genus *Simulium*.

Introduction to the 2011 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 2011. 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 Introductions to the 2009 and 2010 revisions, therefore, can be found before the References, which include literature from all revisions, beginning with 2008. Acknowledgments from previous revisions are combined and included before the References. 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 (2011) 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 2,141 formally named species (2,129 living and 12 fossil) are listed as valid (Table 1), representing a net gain of 28 valid species since the 2010 inventory revision, all but 2 in the genus *Simulium*.

Acknowledgments for the 2008–2011 Revisions

We thank our friends and colleagues who have provided literature, comments, and corrections for one or more revisions: C. E. Beard, R. A. Cheke, D. A. Craig, D. C. Currie, J. B. Davies, N. Hamada, A. Krüger, M. Pepinelli, R. J. Post, H. Takaoka, and D. Werner.

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

		<u>Living Species</u>			
Parasimulium (4)				Edwardsellum	30
Astoneomyia	1		Eusimulium	39	
Parasimulium	3		Freemanellum	7	
Gymnopais	12		Gomphostilbia	206	
Helodon (35)			Hebridosimulium	16	
Distosimulium	2		Hellichiella	22	
Helodon	30		Inseliellum	51	
Parahelodon	3		Lewisellum	9	
Levitinia	3		Meillonellum	5	
Prosimulium	75		Metomphalus	33	
Twinnia	10		Montisimulium	78	
Urosimulium	3		Morops	75	
Araucnephia	2		Nevermannia	219	
Araucnephioides	1		Notolepria	9	
Austrosimulium (25)			Phoretomyia	15	
Austrosimulium	18		Pomeroyellum	47	
Novaustrosimulium	6		Psaroniocompsa	48	
[Unplaced to subgenus]	1		Psilopelmia	67	
Cnephia	8		Psilozia	5	
Cnesia	3		Pternaspatha	27	
Cnesiamima	1		Rubzovia	4	
Crozetia	2		Schoenbaueria	22	
Ectemnia	4		Simulium	462	
Gigantodax	65		Trichodagmia	73	
Greniera	13		Wallacellum	17	
Lutzsimulium	4		Wilhelmia	27	
Metacnephia	53		Xenosimulium	5	
Paracnephia (19)			[Unplaced to subgenus]	8	
Paracnephia	6		Stegopterna	14	
Procnephia	3		Sulcicnephia	23	
[Unplaced to subgenus]	10		Tlalocomyia	16	
Paraustrosimulium	1		TOTAL	2120	
Pedrowygomyyia	4				
Simulium (1720)			<u>Fossil Species</u>		
Afrosimulium	1		[Kovalevimyia]	[1]	
Anasolen	11		[Simulimima]	[1]	
Asiosimulium	3		[Archicnephia]	[1]	
Aspathia	26		[Baisomyia]	[1]	
Boophthora	5		Ectemnia	[2]	
Boreosimulium	19		Greniera	[3]	
Byssodon	12		[Gydarina]	[1]	
Chirostilbia	13		Simulium (Hellichiella)	[1]	
Crosskeyellum	2		[Simuliites]	[1]	
Daviesellum	2		TOTAL	[12]	

Inventory

Order DIPTERA Linnaeus

Infraorder CULICOMORPHA Hennig

Superfamily SIMULIOIDEA Newman****

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: *Gymnopaïs* Stone [stem: Gymnopaïd-]
HELODOINI [*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)

andrei Vorobets, 1984	Siberia (Yakutskaya ES)
bifistulatus Rubtsov, 1955	Siberia (Baikal ES); Mongolia
<i>bitistulatus</i> : incorrect subsequent spelling	
dichopticoides Wood, 1978	Canada (Yukon, Alb, BC); USA (Alaska)
'near <i>dichopticus</i> ' Craig, 1974 / Davies, 1974 (<i>Gymnopaïs</i> sp.)	
dichopticus Stone, 1949	USA (Alaska); Canada (Yukon)
fimbriatus Wood, 1978	Canada (Yukon); USA (Alaska)
frontatus Yankovsky, 1982	Siberia (Kamchatka FE)
<i>boreopacificus</i> Yankovsky, 1996 (unnecessary subst. name)	
holopticoides 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>)	
holopticus Stone, 1949	USA (Alaska); Canada (Yukon)
lindneri Rubtsov, 1963	Siberia (Tuva WS)
rubzovi Bobrova, 1967	Siberia (Altai WS)
sexcornutus Bodrova, 1975	Siberia (Maritime FE)
<i>sexcornotus</i> : incorrect subsequent spelling	
trifistulatus 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)

daisetsensis (Uemoto, Okazawa & Onishi, 1976)	Japan (Hokkaido)
pleuralis (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

alpestris (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	
aridus (Rubtsov, 1971)	Mongolia
beardi Adler, Currie & Wood, 2004	USA (Arizona, Cal, Ore)
'3' Newman, 1983 (<i>onychodactylus</i> cytoform)	
buturlini (Rubtsov, 1956)	Siberia (Yakutskaya ES)

chaos Adler, Currie & Wood, 2004	USA (Oregon, Cal, Was)
‘1a’ Newman, 1983 (<i>onychodactylus</i> cytoform)	Cal, Ore, Was
‘1b’ Newman, 1983 (<i>onychodactylus</i> cytoform)	Ore, Was
chehciri (Popov, 1977)	Siberia (Khabarovsk FE)
clavatus (Peterson, 1970)	Canada (Yukon, Alb, BC)
<i>albertensis</i> (Peterson & Depner, 1972) [Canada (Alberta)]	
czekanowskii (Rubtsov, 1956)	Siberia (Yakutskaya ES)
<i>czekanowskii</i> , <i>czenkanowskii</i> : incorrect subsequent spellings	
diadelphus Adler, Currie & Wood, 2004	USA (Wyoming, Alaska, Idaho, Ore, Was); Canada (Alb, BC, Yukon)
‘2b’ Newman, 1983 (<i>onychodactylus</i> cytoform)	
<i>diadelphus</i> : incorrect subsequent spelling	
ferrugineus (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]	
irkutensis (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</i> , <i>ireutense</i> : incorrect subsequent spellings	
<i>perspicum</i> , <i>pespicuum</i> : incorrect subsequent spellings	
kamtshaticus (Rubtsov, 1940)	Siberia (Kamchatka FE)
<i>kamtschaticus</i> Rubtsov, 1939 (unav., <i>nomen nudum</i>)	
<i>kamchaticum</i> : incorrect subsequent spelling	
kamui (Uemoto & Okazawa, 1980)	Japan (Hokkaido)
[<i>multicaulis</i> : Ono, 1976, not Popov]	
laamii (Beaucournu-Saguez & Bailly-Choumara, 1981)	Morocco
<i>laami</i> : incorrect subsequent spelling	
lochmocola (Sun, 2008)	China (Liaoning)
makarovi (Bodrova, 1988) [<i>in</i> Bodrova & Luk’yanchuk]	Siberia (Sakhalin FE)
mccreadiei 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	
mesenevi (Patrusheva, 1975)	Siberia (Taymyrsky ES)
multicaulis (Popov, 1968)	Siberia (Khabarovsk FE, Sakhalin FE); Korea (South). [‘Japan’ error]
<i>mulicaulis</i> , <i>multicaulus</i> , <i>multiczauli</i> : incorrect subsequent spellings	
newmani Adler, Currie & Wood, 2004	USA (Oregon)
‘5’ Newman, 1983 (<i>onychodactylus</i> cytoform)	
onychodactylus (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</i> , <i>onchodactylum</i> , <i>onychodacthyllum</i> , <i>onychodactilum</i> , <i>onycodactylum</i> : incorrect subsequent spellings	
phytofagus (Rubtsov, 1976)	Kazakhstan
protus 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
rezidentsii (Yankovsky, 2000)	Siberia (Khabarovsk FE)
rhizomorphus (Rubtsov, 1971)	Siberia (Magadanskaya FE)
rubicundus Rubtsov, 1956	Siberia (Irkutskaya ES, FE); Mongolia
sinensis (Sun, 1994)	China (Liaoning)
submulticaulis (Yankovsky, 2000)	Siberia (Transbaikal ES)

- submulticaulis*: incorrect subsequent spelling
- susanae** (Peterson, 1970) Canada (British Columbia, Alb, Yukon); USA (Alaska, Cal, Col, Idaho, Mon, NM, Ore, Utah, Was, Wyo)
- ‘A’ Rothfels, 1979 (*onychodactylus* cytoform)
- ‘2a’ Newman, 1983 (*onychodactylus* 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)
- MALLOCHHELLA* 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);
‘199’ Peterson, 1959 (<i>Prosimulium</i> sp.)	Canada (BC)
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, Sailer & Esselbaugh,	
1955, not Stone]	
esselbaughi Sommerman, 1964	USA (Alaska, Cal, Mon, Nev, Ore, Was); Canada (Alb,
‘2’ Sommerman, 1958 (<i>hirtipes</i> morphoform)	BC incl. Queen Charlotte Islands, Yukon)
‘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]	
fontanum Syme & Davies, 1958	Canada (Ontario, NB, Que); USA (Maine, Mic, NH, NY,
‘16’ Rothfels, 1956 (<i>Prosimulium</i> cytoform)	Pen)
‘3’ Syme & Davies, 1958 (<i>hirtipes</i> morphoform)	
<i>fontanumatum</i> , <i>fontanatum</i> : incorrect subsequent spellings	
formosum Shewell, 1959	Canada (British Columbia: Vancouver Island, Queen
	Charlotte Islands and mainland, Alb, Yukon); USA
	(Ari, Cal, Idaho, Mon, NM, Ore, Was, Wyo)
frohnei Sommerman, 1958	USA (Alaska, Cal, Col, Mon, Wyo); Canada (Alb, BC,
	Yukon)
frontatum Terteryan, 1956	Armenia; Azerbaijan
<i>stenopalpe</i> Rubtsov, 1956 [Armenia]	
<i>strnopalpis</i> : incorrect subsequent spelling	
fulvipes (Edwards, 1921)	Bulgaria; Czech Republic, Hungary, Italy, Slovakia,
<i>subrufipes</i> Knoz, 1980 [Czech Republic]	Turkey
fulvithorax Shewell, 1959	Canada (British Columbia: Vancouver Island and
‘1’ Basrur, 1962 (<i>Prosimulium</i> sp.)	mainland); USA (Cal, Mon, Ore)
fulvum (Coquillett, 1902)	USA (Montana, Alaska, Cal, Col, Idaho, Ore, Utah, Was,
[<i>ochraceum</i> : Baker, 1897 / Coquillett, 1898, 1900, not Walker]	Wyo); Canada (Alb, BC, Yukon)
fuscum Syme & Davies, 1958	Canada (Ontario, Man, NB, NS, PEI, Que incl. Magdalen
<i>mysticum</i> Peterson, 1970 [USA (Wisconsin)]	Islands, Sask); USA (Mas, Mic, NH, NJ, NY, Pen, Wis)
‘1’ Rothfels, 1956 (<i>hirtipes</i> cytoform)	
‘#2’ Anderson & Dicke, 1960 (<i>Prosimulium</i> sp.)	
gigas Rubtsov, 1956	Russia (Caucasus)
hirtipes (Fries, 1824)	Sweden; Andorra, Austria, Belgium, Bosnia, Britain (En,
<i>sibiricum</i> (Enderlein, 1930) [Siberia (Yakutskaya)]	Sc), China (He, IM, Li), Czech Republic, Finland,
<i>diminutum</i> Rubtsov, 1956 [Siberia (Irkutskaya)]	France, Germany, Hungary, Ireland, Italy (incl. Sicily),
<i>italicum</i> Rivosecchi, 1967 (ssp.) [Italy]	Latvia, Luxembourg, Norway, Poland, Romania, Russia
‘3’ Kunze, 1953 (<i>Simulium</i> species)	(CR, NR), Siberia (ES, WS), Slovakia, Slovenia, Spain,
<i>girtipes</i> , <i>hirtum</i> : incorrect subsequent spellings	Switzerland, Ukraine, Netherlands (?). [Not North
	America (misidentified)]
idemai Adler, Currie & Wood, 2004	USA (California)
irritans Rubtsov, 1940	Siberia (Maritime, Sakhalin FE); China (He, Jilin, Li)
isos Rubtsov, 1956	Siberia (Khabarovsk, Kamchatka FE)
<i>isio</i> : incorrect subsequent spelling	
jacuticum Rubtsov, 1973	Siberia (Yakutskaya ES)
<i>tiksiense</i> Yankovsky, 1996 (unnecessary subst. name)	
jezonicum (Matsumura, 1931)	Japan (Hokkaido incl. Rebun Island and Rishiri Island,
<i>sapporoense</i> (Shiraki, 1935) [Japan (Hokkaido)]	Hon); Siberia (Sakhalin FE)
[<i>crassitarsis</i> : Matsumura, 1915, not Macquart]	
[<i>hirtipes</i> (part): authors (Japan), not Fries]	
kani Uemoto, Onishi & Orii, 1973	Japan (Honshu)
karibaense Ono, 1980	Japan (Hokkaido)
<i>karribaense</i> : incorrect original spelling	
kiotoense Shiraki, 1935	Japan (Honshu, Ky)
‘Mukashi-buyu No. 1’ Kani, 1944	

	[<i>hirtipes</i> (part): authors (Japan), not Fries]	
latimucro 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]	
liaoningense Sun & Xue, 1994	.....	China (Liaoning)
	<i>lianingense</i> : incorrect subsequent spelling	
luganicum Rubtsov, 1956	.....	Russia (St Petersburg CR, KM); Finland, Latvia, Norway, Poland, Sweden, Romania (?)
minifulvum Adler, Currie & Wood, 2004	.....	USA (California, Idaho)
mixtum 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]	
nevexalatumus Sun, 2008	.....	China (Liaoning)
petrosom Rubtsov, 1955	.....	Azerbaijan; Armenia, Bulgaria, Georgia, Ukraine (Crimea), Lebanon. [? = <i>latimucro</i>]
	<i>nigritum</i> Rubtsov, 1956 [Ukraine]	
rachiliense 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	
rhizophorum 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	
rufipes (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, Ukraine
	<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]	
rusticum Adler, Currie & Wood, 2004	.....	USA (Arizona)
saltus Stone & Jamnback, 1955	.....	USA (New York, Geo, Ten, WV)
sarurensis Ono, 1976	.....	Japan (Hokkaido)
	<i>sarurensis</i> , <i>serurensis</i> : incorrect subsequent spellings	
secretum Adler, Currie & Wood, 2004	.....	USA (California); Canada (BC)
shewelli 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)]	
tomosvaryi (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>canbalicum</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]	

transbrachium Adler & Kim, 1985	USA (Pennsylvania, Vir)
‘X’ Adler, 1983 (thesis) (<i>Prosimulium</i> sp.)	
travisi 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]	
tridentatum Rubtsov, 1940	Siberia (Irkutskaya ES, FE); Mongolia
unispinum Rubtsov, 1967	Siberia (Buryatskaya ES, FE)
yezoense Shiraki, 1935	Japan (Hokkaido, Hon, Ky, Sh); Siberia (Sakhalin FE)
<i>alpium</i> Ogata, 1956 (unav., named aberration)	
‘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

candicans Rubtsov, 1956	Siberia (Baikal ES, Altai WS); Mongolia
erythronotum Rubtsov, 1956	Siberia (Khabarovsk FE)
intercalare Rubtsov, 1956	Siberia (Chitinskaya ES)
kolymense Patrusheva, 1975	Siberia (Magadanskaya FE)
macropyga (Lundström, 1911) [†]	Russia (Karelia KM); Finland, Norway, Kazakhstan, Russia (NR), Siberia (ES, WS), Sweden [Yankovsky, 2003 [2002] treats <i>zaitzevi</i> as valid sp.]
<i>latifrons</i> (Enderlein, 1925) [Norway]	
<i>zaitzevi</i> Rubtsov, 1956 [Siberia (Tyumen)]	
<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>zaeitzevi</i> , <i>zatzevi</i> : incorrect subsequent spellings	
[<i>latimucro</i> : Rubtsov & Carlsson, 1965, not Enderlein]	
neomacropyga 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]	
oligoaristatum Rubtsov, 1971	Tajikistan
pamiricum Chubareva & Petrova, 1983	Tajikistan
pecticrassum Rubtsov, 1956	Siberia (Irkutskaya ES, WS); Kazakhstan
tredecimfistulatum Rubtsov, 1956	Siberia (Buryatskaya ES, WS)
<i>tridecimfistulatum</i> : incorrect subsequent spelling	
ursinum (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]	
ventosum Rubtsov, 1956	Siberia (Irkutskaya ES)

MAGNUM species-group

albionense 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 ₂ X ₀ hybrid’ Ottonen & Nambiar, 1969 (<i>magnum</i> cytoform)	
‘intermediate’ Ottonen & Nambiar, 1969 (<i>magnum</i> cytoform)	
[<i>magnum</i> : authors, not Dyar & Shannon]	
canutum 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]	
caudatum Shewell, 1959	Canada (British Columbia: Vancouver Island and mainland); USA (Cal, Ore, Was)
constrictistylum Peterson, 1970	Canada (British Columbia); USA (Nev)
‘X’ Ottonen, 1966 (<i>Prosimulium</i> cytoform)	
dicentum Dyar & Shannon, 1927	USA (California, Ore, Was)
dicum Dyar & Shannon, 1927	Canada (British Columbia incl. Queen Charlotte Islands); USA (Alaska, Ari, Cal, NM, Ore, Was)
exigens 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)]	
flaviantennus (Stains & Knowlton, 1940)	USA (Utah, Ari, Cal, Col, Idaho, NM, Wyo)
<i>flaviantennum</i> , <i>flaviatennus</i> : incorrect subsequent spellings	
impostor Peterson, 1970	Canada (British Columbia); USA (Ari, Cal, Ore)
‘Y’ Ottonen, 1966 (<i>Prosimulium</i> cytoform)	
longirostrum Currie, Adler & Wood, 2004 [<i>in</i> Adler, Currie & Wood] ..	USA (Oregon)
magnum 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) (lapsus for <i>magnum</i> s. str.)	
multidentatum (Twinn, 1936)	Canada (Quebec, Ont); USA (Ken, Maine, Mic, NY, Wis)
uinta Peterson & DeFoliart, 1960	USA (Wyoming, Ari, Utah)
unicum (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)]	
[grandis 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)

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

- aculeatum** (Rivosecchi, 1963) Italy (Sicily, Sardinia); Balearic Islands (Majorca)
stefanii Contini, 1963 [Italy (Sicily)]
faurei (Bernard, Grenier & Bailly-Choumara, 1972) Morocco; Algeria, Spain
juccii 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)]

<i>australiensis</i> : incorrect subsequent spelling	
bicorne Dumbleton, 1973 [1972]	New Zealand (South Island)
<i>crobyi</i> Yankovsky, 1996 (unnecessary subst. name)	
campbellense Dumbleton, 1973 [1972]	Campbell Island
[<i>vexans</i> : 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)
fulvicorne Mackerras & Mackerras, 1950	Australia (Queensland)
laticorne Tonnoir, 1925	New Zealand (South Island)
<i>alveolatum</i> Dumbleton, 1973 [1972] (ssp.) [New Zealand (South Island)]	
<i>latecorne</i> : incorrect subsequent spelling	
longicorne Tonnoir, 1925	New Zealand (South Island, North Island)
mirabile Mackerras & Mackerras, 1948	Australia (Queensland)
montanum Mackerras & Mackerras, 1952	Australia (New South Wales, Vic)
multicorne Tonnoir, 1925	New Zealand (South Island, North Island)
<i>fiordense</i> Dumbleton, 1973 [1972] (ssp.) [New Zealand (South Island)]	
stewartense Dumbleton, 1973 [1972]	New Zealand (Stewart Island, South Island)
tillyardianum Dumbleton, 1973 [1972] (subst. name)	New Zealand (South Island, North Island)
<i>tillyardi</i> Tonnoir, 1925 (preocc. Tonnoir, 1923)	
ungulatum Tonnoir, 1925	New Zealand (South Island)
unicorne Dumbleton, 1973 [1972]	New Zealand (South Island)
vexans (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)

bancrofti (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)
furiosum (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)	
magnum Mackerras & Mackerras, 1955	Australia (Queensland)
pestilens Mackerras & Mackerras, 1948	Australia (Queensland, ACT, NSW, NT)
torrentium Tonnoir, 1925	Australia (Tasmania, ACT, NSW, Vic)
<i>hilli</i> Mackerras & Mackerras, 1949 [1948] (ssp.) [Australia (ACT)]	
victoriae (Roubaud, 1906)	Australia (Victoria, ACT, NSW, Qld, Tas incl. Flinders Island)
<i>tasmaniense</i> Tonnoir, 1925 [Australia (Tasmania)]	

Austrosimulium species unplaced to subgenus

colboi Davies & Györkös, 1988	Australia (Victoria)
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[Genus **BAISOMYIA** Kalugina]

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

[*incognita* Kalugina, 1991] [Siberia (Buryatskaya ES): Lower Cretaceous]

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)

- angarensis** Rubtsov, 1956 Siberia (Angara ES)
- chaurensis** Yankovsky, 2000 Siberia (Taymyrsky ES)
- dacotensis** (Dyar & Shannon, 1927) USA (South Dakota, Iowa, Kan, Maine, Mas, Mic, Min, Neb, NH, NJ, NY, Pen, Wis); Canada (Alb, Man, Ont, Que, Sask)
- lasciva* (Twinn, 1936) [Canada (Ontario)]
- ‘A’ Pruess, Adams, Parsons, Zhu & Powers, 2000 (molecular form)
- dakotense*, *decotensis*: incorrect subsequent spellings
- johanseni*: lapsus for *dacotensis* [Rubtsov, 1960]
- eremites** Shewell, 1952 Canada (Northwest Territories incl. Victoria Island, Man, Nun incl. Southampton Island); Finland, Siberia (ES, FE), Sweden, USA (Alaska)
- arborescens* Rubtsov, 1971 [Siberia (Taymyrsky)]
- ‘A’ Twinn, Hocking, McDuffie & Cross, 1948 (*Eusimulium* sp.)
- arborensis*: incorrect subsequent spelling
- enemites*, *erimites*: incorrect subsequent spellings
- ornithophilia** 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 *pecuarum*’ Hocking & Richards, 1952 (*Cnephia*)
- ‘U’ Bennett, 1960 (*Cnephia* sp.)
- ornitophila*, *ornitophilia*: incorrect subsequent spellings
- [*dacotensis*: authors (Nfld: Avalon Peninsula), not Dyar & Shannon]
- [*pecuarum*: authors, not Riley]
- pallipes** (Fries, 1824) Norway, Finland, Lithuania, Russia (CR, NR), Sweden, Ukraine, Siberia (?)
- lapponica* (Enderlein, 1921 [April]) (unav., *nomen nudum*)
- heymonsi* (Enderlein, 1921 [April]) (unav., *nomen nudum*)
- lapponica* (Enderlein, 1921 [June]) [Sweden]
- heymonsi* (Enderlein, 1921 [June]) [Finland]
- andrei* Usova & Reva, 2008 (unav., *nomen nudum*)
- fallipes*, *pallines*, *pollipes*: incorrect subsequent spellings
- laponica*: incorrect subsequent spelling
- [*intermedia*: Rubtsov 1956 (part)]
- pecuarum** (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)
- pecaurum*, *pecuarium*: incorrect subsequent spellings
- toptchievi** Yankovsky, 1996 Ukraine
- [*lapponica*: Rubtsov, 1956, not Enderlein (Ukraine only)]

Genus CNESIA Enderlein

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

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

Genus CNESIAMIMA Wygodzinsky & Coscarón

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

atroparva (Edwards, 1931) Argentina (Rio Negro, Nqn, TDF); Chile (LL, Mag incl. Navarino Island and TDF, Maule)

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, Min, NC, NH, NJ, NY, Pen, SC, Wis)

loisae (Stone & Jamnback, 1955) [USA (New York)]

? '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, TDF), Chile (Aisén, BB, Mag incl. TDF)

nigrescens (Edwards, 1931) [Argentina (Rio Negro)]

awa Wygodzinsky & Coscarón, 1989 Peru (Cuzco)

brophyi (Edwards, 1931) Argentina (Rio Negro, Chu, Nqn, SC, TDF); Chile (Aisén, Mag incl. TDF)

bonorinorum Coscarón & Wygodzinsky, 1962 [Argentina (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)]

femineus (Edwards, 1931) Argentina (Rio Negro, Nqn); Chile (Mag)

flabellus Wygodzinsky & Coscarón, 1989 Ecuador; Venezuela

‘3’ Takaoka, 1987 (<i>Gigantodax</i> sp.) <i>flabellus</i> Takaoka, Hirai & Tada, 1988 (unav., <i>nomen nudum</i>)	
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); Argentina (Chu, Nqn, RN)
<i>tarsatus</i> Philippi, 1865 (preocc.) [Chile (Santiago)]	
<i>philippianus</i> Pinto, 1932 [1931] (subst. name)	
multituberculatus Wygodzinsky & Coscarón, 1989	Colombia; Ecuador
ortizi Wygodzinsky, 1974 [1973]	Venezuela; Colombia
osornorum Muñoz de Hoyos, Martínez, Mejía & Bueno, 1995 [<i>in</i> Muñoz de Hoyos]	Colombia
‘sp. nov.’ Muñoz de Hoyos, Martínez, Mejía & Bueno, 1994 (<i>Gigantodax</i>)	
paramorum Wygodzinsky & Coscarón, 1989	Colombia
patihuaycensis Wygodzinsky & Coscarón, 1989	Peru (Junín)
rufidulus Wygodzinsky & Coscarón, 1989	Argentina (Neuquén, Chu, RN, SC, TDF); Chile (Mag)
trifidus Wygodzinsky & Coscarón, 1989	Chile (Santiago); Argentina (Men, Nqn, RN)
‘trifidum’ Coscarón, 1981	
viannamartinsi Ramírez-Pérez, 1980	Venezuela
zumbahuae Wygodzinsky & Coscarón, 1989	Ecuador; Colombia

CILICINUS species-group

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

CORMONSI species-group

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

IGNICULUS species-group

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

MINOR species-group

araucanius (Edwards, 1931)	Chile (Los Lagos incl. Chiloé [type loc.], Aisén, Ara, BB, Mag); Argentina (RN, TDF: Isla de los Estados)
bolivianus Enderlein, 1925	Bolivia
eremicus Wygodzinsky & Coscarón, 1989	Chile (Atacama)
‘eremicum’ Coscarón, 1981	
minor Wygodzinsky & Coscarón, 1989	Chile (Maule, Ara, BB, Coq, LL incl. Chiloé, O’H, San); Argentina (Nqn, RN)
‘minor’ Coscarón, 1981	

MULTIFILIS species-group

multifilis Wygodzinsky & Coscarón, 1989	Ecuador; Colombia
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WRIGHTI species-group

adleri Moulton, 1996	USA (Arizona, NM)
aquamarensis (De León, 1945)	Guatemala
bettyae Wygodzinsky, 1974 [1973]	Venezuela
bierigi Vargas & Ramírez-Pérez, 1989 [1988]	Costa Rica
cervicornis Wygodzinsky, 1974 [1973]	Colombia; Ecuador, Venezuela
<i>cervicornis</i> : incorrect subsequent spelling	
conviti Ramírez-Pérez, 1980	Venezuela
corniculatus Wygodzinsky, 1974 [1973]	Venezuela
cypellus Wygodzinsky & Coscarón, 1989	Ecuador; Colombia
‘5’ Takaoka, 1987 (<i>Gigantodax</i> sp.)	
<i>cypellus</i> Takaoka, Hirai & Tada, 1988 (unav., <i>nomen nudum</i>)	
dryadicaudicis Wygodzinsky & Coscarón, 1989	Chile (Maule); Argentina (Nqn)
herreri 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]	
horcotiani Wygodzinsky, 1949	Argentina (Tucumán, Jujuy); Bolivia
impossibilis Wygodzinsky, 1974 [1973]	Venezuela
incapucara Wygodzinsky & Coscarón, 1989	Peru (Cuzco); Bolivia
nasutus Wygodzinsky & Coscarón, 1989	Colombia
rufescens (Edwards, 1931)	Argentina (Rio Negro, Nqn, TDF incl. Isla de los Estados); Chile (Ara, BB, Maule, O’H, Val)
<i>wittmeri</i> Wygodzinsky, 1951 [Argentina (Rio Negro)]	
septenarius Wygodzinsky & Coscarón, 1989	Colombia
willei Vargas & Ramírez-Pérez, 1989 [1988]	Costa Rica
wrighti (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

abdita (Peterson, 1962)	Canada (Ontario, Que); USA (Mas, NH, NY, Pen)
abditoides (Wood, 1963) [1962]	Canada (Ontario, BC, Man, NWT); USA (Mas)
humeralis 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

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

Greniera species unplaced to group

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

[Genus GYDARINA Kalugina]

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

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

flavopubescens (Lutz, 1910)	Brazil (Rio de Janeiro)
hirticosta (Lutz, 1909)	Brazil (São Paulo, Bahia, MG, Par, RGS, RJ, SC); Argentina (Mis)
<i>cruzi</i> d’Andretta & d’Andretta, 1947 [1946] [Brazil (São Paulo)]	
<i>hirticola</i> : incorrect subsequent spelling	
pernigrum (Lutz, 1910)	Brazil (São Paulo, MG, RGS, RJ); Argentina (Cos)
[<i>montanum</i> : Lutz, 1909, not Philippi]	
simplicicolor (Lutz, 1910)	Brazil (Rondônia, Amz, MGr, Pará)

rondonense Py-Daniel, 1982 (unav., *nomen nudum*)
hebeticolor: incorrect original spelling (lapsus for *simplicicolor*)

Genus METACNEPHIA Crosskey

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

aldanica Vorobets, 1987	Siberia (Yakutskaya ES)
amphora 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]	
amsheevi Usova & Bazarova, 1990 [<i>in</i> Bazarova]	Siberia (Buryatskaya ES)
aspinosa Rubtsov, 1973	Siberia (Maritime FE)
baicalica Usova & Bazarova, 1990 [<i>in</i> Bazarova]	Siberia (Buryatskaya ES)
bilineata (Rubtsov, 1940)†	Siberia (Tyumen WS), Canada (Alb, BC, Man, Nun incl.
<i>saileri</i> (Stone, 1952) [USA (Alaska)]	Baffin Island, NWT, Que, Yukon), Finland,
<i>intermedia</i> (Rubtsov, 1956) [Russia (Orenburgskaya CR)]	Kazakhstan, Norway, Russia (CR, NR), Sweden, USA
<i>korsakovi</i> (Rubtsov, 1956) [Russia (Vologda CR)]	(Alaska)
<i>becherii</i> (Rivosecchi, 1964) (unav., <i>nomen nudum</i> , attrib. Corti)	
<i>orenburgica</i> (Yankovsky, 1996) (unnecessary subst. name,	
for <i>intermedia</i>)	
‘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	
‘HIS-2’ Procnier, 1982 (cytoform)	
‘near <i>saileri</i> ’ 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]	
blanci (Grenier & Theodorides, 1953)	Morocco; Algeria, France, Italy (Sicily), Macedonia,
? <i>lesnei</i> (Séguy, 1925) [France]	Portugal, Romania, Serbia, Spain, Tunisia
borealis (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>borialis</i> : incorrect subsequent spelling	
[<i>tredecimata</i> : Bodrova, 1980, not Edwards]	
brevi (Rubtsov, 1956)	Russia (Solovets Island NR)
burjatica Usova & Bazarova, 1990 [<i>in</i> Bazarova]	Siberia (Buryatskaya ES)
coloradensis 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>)	
cuspidata Vorobets, 1987	Siberia (Yakutskaya ES)
danubica (Rubtsov, 1956)	‘Danube River’; Romania, ‘Yugoslavia’
edwardsiana (Rubtsov, 1940)	Siberia (Magadanskaya FE, ES, WS); China (IM, Xi),
<i>lanata</i> (Takahasi, 1940) [China (Inner Mongolia)]	Kazakhstan, Mongolia
<i>edwardsisana</i> , <i>edwardsiana</i> : incorrect subsequent spellings	
<i>lamata</i> : incorrect subsequent spelling	
gorodkovi (Rubtsov, 1964)	Tajikistan
hajotsdzorensis (Terteryan, 1962)	Armenia
<i>hajotsdzdrensis</i> : incorrect original spelling	
<i>hajotsdorensis</i> : incorrect subsequent spelling	
hamardabanae Usova & Bazarova, 1990 [<i>in</i> Bazarova]	Siberia (Buryatskaya ES)
jeanae (DeFoliart & Peterson, 1960)	USA (Utah, Cal, Col, Wyo)
<i>macrocerca</i> (Peterson, 1958) (thesis) (unav., <i>nomen nudum</i>)	
karakechensis Yankovsky, 2000	Kyrgyzstan

kirjanovae (Rubtsov, 1956)*	Tajikistan; China (Xi), Kazakhstan, Kyrgyzstan, Mongolia, Siberia (Altai WS), Uzbekistan. [? = <i>saileri</i>]
<i>kirjanovae, kijanovae, kirjanoae, kirjonavae, kiryanovae,</i> <i>kiryanovi</i> : incorrect subsequent spellings	
larunae Vorobets, 1984	Siberia (Yakutskaya ES)
luttae Usova & Bazarova, 1990 [<i>in Bazarova</i>]	Siberia (Buryatskaya ES)
lyra (Lundström, 1911)	Finland; Germany, Norway, Russia (CR, KM, NR), Siberia (WS), Sweden. [Other records in error]
<i>tabescentifrons</i> (Enderlein, 1929) [Sweden]	
<i>vestita</i> (Enderlein, 1929) [Sweden]	
<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>tabesceitifrons</i> : incorrect subsequent spelling	
[<i>trigonia</i> : Rubtsov, 1956 / Usova, 1961, not Lundström]	
lyrata (Rubtsov, 1956)	Siberia (Irkutskaya ES)
mirzaevae Usova & Bazarova, 1990 [<i>in Bazarova</i>]	Siberia (Buryatskaya ES)
multifilum (Rubtsov, 1947)	Tajikistan; Kyrgyzstan, Uzbekistan
<i>multifilis, multifilla, multipilis</i> : incorrect subsequent spellings	
nigra (Rubtsov, 1940)	Azerbaijan (Nakhichevan); Romania, Russia (Caucasus), Turkmenistan
<i>saxicola</i> (Rubtsov, 1956) [Russia (Caucasus)]	
<i>nigrasexicola</i> : incorrect subsequent spelling	
nuragica Rivosecchi, Raastad & Contini, 1975	Italy (Sardinia); Portugal, Spain, Morocco (?)
[<i>tredecimata</i> : Contini, 1963 (Sardinia), not Edwards]	
olyutorii Yankovsky, 2000	Siberia (Kamchatka FE)
pamiriensis Petrova, 1977	Tajikistan
paraskevae Petrova, Chubareva & Kachvoryan, 1995	Tajikistan
pectinata Patrusheva, 1976	Siberia (Tyumen WS)
pedipupalis (Rubtsov, 1947)	Kazakhstan
persica (Rubtsov, 1940)	Iran; Armenia, Azerbaijan, Kazakhstan, Lebanon, Romania, Turkmenistan, Uzbekistan
<i>hirta</i> (Rubtsov & Terteryan, 1954) [Armenia]	
ramificata (Rubtsov, 1956)†	Siberia (Khabarovsk FE); Mongolia, Romania, Uzbekistan
<i>parapallipes</i> Bobrova, 1980 [Siberia (Khabarovsk)]	
romaschovae Bodrova, 1987	Siberia (Tubinskaya WS)
sardoa (Rivosecchi & Contini, 1965)	Italy (Sardinia)
saskatchewanana (Shewell & Fredeen, 1958)	Canada (Saskatchewan, Alb, BC, Man, Nun, NWT, Que, Yukon)
'N' Fredeen, 1951 (thesis) / Hocking & Pickering, 1954 (<i>Cnephia</i> sp.)	
sedecimfistulata Rubtsov, 1976	Kazakhstan
<i>dzhungarica</i> Yankovsky, 1996 (unnecessary subst. name)	
<i>decimfistula</i> : incorrect subsequent spelling	
shirapovi Usova & Bazarova, 1990 [<i>in Bazarova</i>]	Siberia (Buryatskaya ES)
slepjani (Rubtsov, 1967)	Turkmenistan
sommermanae (Stone, 1952)	USA (Alaska); Canada (Yukon), Kazakhstan, Siberia (ES, FE, WS), Uzbekistan, Romania (?)
<i>crassifistula</i> (Rubtsov, 1956) [Siberia (Altai)]	
<i>crassifictua, crassifistulata</i> : incorrect subsequent spellings	
<i>sommermane</i> : incorrect subsequent spelling	
[<i>borealis</i> : Jenkins, 1948, not Malloch]	
sorkulensis Rubtsov, 1971	Tajikistan/Afghanistan frontier
subalpina (Rubtsov, 1956)	Azerbaijan; Armenia, Georgia, Turkey
taimyrica Patrusheva, 1976	Siberia (Krasnoyarsk ES)
tamarinae Usova & Bazarova, 1990 [<i>in Bazarova</i>]	Siberia (Buryatskaya ES)
terterjani (Rubtsov, 1955)	Armenia
tetraginata (Rubtsov, 1951)	Turkmenistan; Kazakhstan, Tajikistan
<i>tetragintatum</i> : incorrect original spelling	
<i>tetrapaginata</i> : incorrect subsequent spelling	
tredecimata (Edwards, 1920)	[Unknown: not 'England']; Finland, Norway, Russia (KM), Sweden. [Other records in error]
<i>tredecemata</i> : incorrect subsequent spelling	
trispina Rubtsov, 1973	Siberia (Maritime FE)
uzunovi Kovachev, 1985	Bulgaria

<i>usunovi</i> : incorrect subsequent spelling	
variafilis Rubtsov, 1976	Tajikistan
<i>variabilis</i> , <i>veriafilis</i> : incorrect original spellings	
villosa (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>usunovi</i>]
‘1’ Ismagulov, 1993 (thesis) (<i>Metacnephia</i> sp.)	Kazakhstan
‘2’ Ismagulov, 1993 (thesis) (<i>Metacnephia</i> sp.)	Kazakhstan
‘3’ Ismagulov, 1993 (thesis) (<i>Metacnephia</i> 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)]

fergussoni: 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, Tas)

umbrator (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
moorei (Silva Figueroa, 1917) [Chile (Aisén)]
Island and TDF mainland, Aisén, Ara, LL incl. Chiloé);
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]
[*ATRACTOCERA*: Meigen, 1803, 1804 (misidentified), ICZN Opinion 1174]

Subgenus **AFROSIMULIUM** Crosskey

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

gariepense 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
gilvipes Pomeroy, 1920 [Cameroon] Republic of Congo, Equatorial Guinea (Bioko), Eritrea,
adolffriedericianum (Enderlein, 1930) [Rwanda] Ethiopia, Ghana, Guinea, Kenya, Lesotho, Malawi,
ruwenzoriense Gibbins, 1934 [Uganda] Nigeria, Rwanda, São Tomé and Príncipe (Príncipe,
emfulae De Meillon, 1937 [South Africa (KwaZulu Natal)] São Tomé), Sierra Leone, South Africa (EC, G, KZN,
britannicum Davies, 1966 [? East Africa, ‘Britain’ error] L, M, WC), South Sudan, Sudan, Swaziland, Tanzania,
trifurcatum Fain, Bafort & Silberstein, 1976 (ssp.) [Kenya] Togo, Zimbabwe. [‘Britain’ error]
altissimum Fain, Bafort & Silberstein, 1977 (ssp.) [Kenya]
bambusicola Fain, Bafort & Silberstein, 1977 (ssp.) [Kenya]

‘Mbabo’ Fain & Elsen, 1973 (morphoform)	
<i>dentusolum</i> : incorrect subsequent spelling	
<i>ruvenzorensis</i> : incorrect subsequent spelling	
heptaspicae Gouteux, 1977	Democratic Republic of Congo
kauntzeum Gibbins, 1938	Uganda; Democratic Republic of Congo
<i>kauntzeum</i> Gibbins, 1936 (unav., <i>nomen nudum</i>)	
masabae Gibbins, 1934	Uganda
ngabogei Fain, 1950	Rwanda
nili Gibbins, 1934	Uganda; Ethiopia, Kenya, Saudi Arabia (Asir), Yemen
octospicae Gibbins, 1937	Uganda
rhodesiense De Meillon, 1942	Zimbabwe
shoae Grenier & Ovazza, 1956	Ethiopia
voltae Grenier, Ovazza & Valade, 1960	Ivory Coast

Subgenus ASIOSIMULIUM Takaoka & Choochote

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

oblongum Takaoka & Choochote, 2005	Thailand
‘E’ Phasuk, 2006 (thesis) (<i>Simulium</i> sp.)	
suchitrae Takaoka, 2010 [<i>in</i> Takaoka & Shrestha]	Nepal
wanchaii 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)

anduzei 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	
bustosi Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Veracruz, Ox)
costalimai Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Morelos, Ox)
[<i>jacumbae</i> : Vargas <i>et al.</i> , 1943, not Dyar & Shannon]	
covagarciai Ramírez-Pérez, Yarzabal, Takaoka, Tada & Ramírez, 1984	Venezuela; Brazil (Ror)
hechti 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]	
horacioi Okazawa & Onishi, 1980	Guatemala; Mexico (Chiapas, Ox), Panama, Venezuela
‘H’ Conn, 1988 (<i>metallicum</i> cytoform)	
hunteri 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)]	
iriartei Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Federal District, Du, Gu, Ox, Vz); USA (Ari, NM)
[<i>hirtipes</i> : Vargas, 1943, not Fries]	
jacumbae 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>)	
jobbinsi Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Chiapas, Ox, Vz); Guatemala
<i>jobbinsi</i> : incorrect subsequent spelling	
kompfi Dalmat, 1951	Guatemala; Mexico (Ch)
marquezi 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]	
mattebranchium	Anduze, 1947	Venezuela; Colombia, Mexico (? state)
metallicum	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 (Par, 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 [<i>in</i> 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
morae	Ramírez-Pérez, Rassi & Ramírez, 1977	Venezuela
parrai	Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Veracruz, Ox); Guatemala
piperi	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)]	
puigi	Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Chiapas, Ag, Ox, Vz); Costa Rica, Guatemala, USA (NM)
putre	Coscarón & Matta, 1982	Chile (Tarapacá)
racenisi	Ramírez-Pérez, 1971	Venezuela
	‘G’ Lewis & Ibáñez Aldecoa, 1962 / Lewis, 1963 (<i>Simulium</i> sp.)	
ruizi	Vargas & Díaz Nájera, 1948	Mexico (Veracruz, MS, Ox)
sandyi	Coscarón, Ibáñez-Bernal & Coscarón-Arias, 1999	Mexico (Mexico State/Morelos)
spilmani	Stone, 1969	Dominica
tescorum	Stone & Boreham, 1965	USA (California, Ari)
tricornis	De León, 1945	Guatemala; Mexico (Ch)
	‘C’ De León, 1943 (<i>Simulium</i> sp.)	
wygoi	Coscarón, Ibáñez-Bernal & Coscarón-Arias, 1999	Mexico (Federal District)

Subgenus BOOPHTHORA Enderlein

BOOPHTHORA Enderlein, 1921 (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)
BOOPHTHORA, *BOOPTHORA*: incorrect subsequent spellings

bujakovi	Rubtsov, 1940	Siberia (Irkutskaya ES)
	<i>bujakovi</i> Rubtsov, 1939 (unav., <i>nomen nudum</i>)	
	<i>bujakovae</i> : incorrect subsequent spelling	
erythrocephalum	(De Geer, 1776, as <i>erythrocephala</i>)	[Sweden]; Austria, Belarus, Belgium, Britain (En, Sc,

<i>sericatum</i> Meigen, 1830 [? Denmark or Germany]	Wa), China [no other data], Croatia, Czech Republic,
<i>tenuifrons</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i>)	Denmark, Estonia, Finland, France, Germany,
<i>tenuifrons</i> Enderlein, 1921 [June] (available) [Germany]	Greece, Hungary, Ireland, Italy (incl. Sardinia),
<i>sinense</i> (Enderlein, 1934) [1933] [China (? province)]	Kazakhstan, Latvia, Lithuania, Netherlands, Norway,
<i>mihalyii</i> (Rubtsov, 1967) [Hungary]	Poland, Portugal, Romania, Russia (CR, KM, NR,
<i>chelevini</i> (Ivashchenko, 1968) (ssp.) [Russia (Ivanovo)]	SR), Serbia, Siberia (ES, FE, WS), Slovakia,
'aff. <i>aureum</i> sp. 3' Rubtsov, 1959 [<i>in</i> Dunbar] (<i>Simulium</i> , part)	Slovenia, Spain, Switzerland, Turkey, Ukraine,
'aff. <i>aureum</i> sp. 4' Rubtsov, 1959 [<i>in</i> Dunbar] (<i>Simulium</i> , part)	Mongolia (?)
<i>enrythrocephala</i> , <i>eritrocephala</i> , <i>erithrocephala</i> , <i>erythrocephala</i> :	
incorrect subsequent spellings	
[<i>argyreata</i> : authors, not Meigen]	
makunbei (Ono, 1977)	Japan (Hokkaido)
quattuorfile Chen, Wu, Yang, 2010	China (Liaoning, He)
yonagoense Okamoto, 1958	Japan (Honshu, Ky)
'J-11' Bentinck, 1955 (<i>Simulium</i> 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,
<i>euryadmiculum</i> Davies, 1949 [Canada (Ontario)]	Ont, Que, Sask), Norway, Russia (CR, KM), Sweden,
<i>elburnum</i> (Rubtsov & Carlsson, 1965)† [Russia (Permskaya CR)]	USA (Mic, NY, Wis), Mongolia (?), Siberia (ES, WS)
<i>annula</i> , <i>annulum</i> : incorrect subsequent spellings	(?)
[<i>annuliforme</i> (male): authors]	
[<i>canonicolum</i> : authors (central Canada), not Dyar & Shannon]	
[<i>minutissimum</i> : Rubtsov, 1956, not Zetterstedt]	
balteatum Adler, Currie & Wood, 2004	USA (California, Alaska, Idaho, Ore, Was, Wyo);
'Undescribed species' Corkum & Currie, 1987 (<i>Simulium</i>)	Canada (Alb, BC, Yukon)
'near <i>canonicolum</i> ' Currie, 1997 / McCreadie, Adler & Burger,	
1997 (<i>Simulium</i>)	
[<i>clarum</i> : Hearle, 1932, not Dyar & Shannon]	
canonicolum (Dyar & Shannon, 1927)	USA (Wyoming, Ari, Col, Idaho, Mon, Nev, NM, Utah);
<i>canonicola</i> Peterson & Kondratieff, 1995 [1994]	Canada (Alb, Yukon)
(unnecessary emendation)	
[<i>pugetense</i> : Peterson, 1955, not Dyar & Shannon]	
[<i>baffinense</i> : Lichtwardt, 1984, not Twinn]	
clarkei Stone & Snoddy, 1969	USA (Virginia, Geo, NC, Ten, SC)
'4' Snow, Pickard & Jones, 1958 (<i>Simulium</i> sp.)	
'near <i>clarkei</i> ' McCreadie & Adler, 1998 (<i>Simulium</i>)	
emarginatum Davies, Peterson & Wood, 1962 [1961]	Canada (Ontario, Que); USA (Ark, Mic, NC, NJ, Pen,
'n. sp.' Bennett, 1960 (<i>Simulium</i> / <i>Eusimulium</i>)	SC, Vir, Wis, WV)
'near <i>emarginatum</i> ' Adler, 1983 (thesis) (<i>Simulium</i> sp.)	
joculator Adler, Currie & Wood, 2004	USA (California, Idaho)
konoï (Takahasi, 1950)	Japan (Hokkaido, Hon, Ky, Sh); Siberia (FE incl. Kurile
<i>yamayaense</i> Ogata & Sasa, 1954 [Japan (Honshu)]	Islands and Sakhalin)
'J-9' Bentinck, 1955 (<i>Simulium</i> 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 (<i>Simulium</i>)	
? [<i>clarum</i> : 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) (<i>Simulium</i> 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
mixtum Raastad, Kuusela & Usova, 2010 (unav.,
nomen nudum, attrib. Rubtsov)†
arcticum: incorrect subsequent spelling
- baffinense** Twinn, 1936 Canada (Nunavut: Baffin Island and mainland, Alb, BC,
pallens Twinn, 1936 [Canada (Nunavut [as NWT]: Baffin Island)] Man, NWT, Que, Yukon); Finland, Norway, Russia
'new species 1' Jenkins, 1948 (*Eusimulium*) (KM), Siberia (ES, FE, WS), Sweden, USA (Alaska,
palens: incorrect subsequent spelling Utah)
- 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 South 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 of Congo, Niger, Nigeria, Senegal, South Africa (EC,
Republic of Congo] FS, M, NC), South Sudan, 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, Kazakhstan, Lithuania, Mongolia, Poland, Romania, Russia (CR, NR), Serbia, Siberia (ES, FE, WS), Ukraine, USA (Alaska). [Old records for other countries (notably Britain and France) erroneous, applying mainly to <i>equinum</i>] [Yankovsky, 2003 [2002] treats <i>koidzumii</i> as valid sp. with <i>gutsevitchi</i> as synonym]
<i>pungens</i> (Meigen, [1806]) [<i>in</i> Panzer] (unnecessary subst. name)	
<i>subfasciatum</i> Meigen, 1838 [Germany]	
<i>vigintiquaterni</i> (Enderlein, 1929) [Germany]	
<i>echinatum</i> (Baranov, 1938) [Serbia]	
<i>ussurianum</i> Rubtsov, 1940 [Siberia (Khabarovsk)]	
<i>koidzumii</i> (Takahasi, 1940) [China (Inner Mongolia)]	
<i>danubense</i> (Rubtsov, 1956) [Serbia/Romania]	
<i>uralense</i> (Rubtsov, 1956) [Kazakhstan]	
<i>lenae</i> (Rubtsov, 1956) [Siberia (Yakutskaya)]	
<i>gutsevitchi</i> (Yankovsky, 1978) [Siberia (Yevreyskaya)]	
<i>coidzumii</i> : incorrect subsequent spelling	
<i>echinatuma</i> : incorrect subsequent spelling	
<i>maculeta</i> , <i>maculates</i> : incorrect subsequent spellings	
<i>vigintiquarterni</i> : incorrect subsequent spelling	
[<i>meridionale</i> : 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)
<i>occidentale</i> Townsend, 1891 [USA (New Mexico)]	
<i>tamaulipense</i> Townsend, 1897 [Mexico (Tamaulipas)]	
<i>forbesi</i> Malloch, 1914 [USA (Illinois)]	
<i>meribionale</i> , <i>meridianole</i> , <i>meriodionale</i> : incorrect subsequent spellings	
[<i>taeniatifrons</i> : 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)

bifenstratum Hamada & Pepinelli, 2004	Brazil (São Paulo)
dekeyseri Shelley & Py-Daniel, 1981	Brazil (Brasilia Federal District, Bahia, Goiás, MG, MGr, MGrS, Par, RJ, SP)
distinctum Lutz, 1910	Brazil (São Paulo, MG, Par, RGS, RJ, SC)
<i>prumirimense</i> Coscarón, 1981 [Brazil (São Paulo)]	
[<i>pertinax</i> : Lane & Porto, 1929 / Vargas, 1945, not Kollar]	
empascae Py-Daniel, Souza & Caldas, 1988	Brazil (Santa Catarina, RGS, RJ, SP)
friedlanderi Py-Daniel, 1987	Brazil (Mato Grosso, SP)
jeffersoni Hamada, Hernández, Luz & Pepinelli, 2006	Brazil (Bahía)
obesum Vulcano, 1959	Brazil (São Paulo, MG, RGS, RJ, SC)
<i>obesum</i> Lutz, 1922 (unav., <i>nomen nudum</i>)	
<i>obesum</i> Pinto, 1932 [1931] (unav., <i>nomen nudum</i>)	
papaveroi Coscarón, 1982	Brazil (Minas Gerais, Bahia)
pertinax Kollar, 1832 [<i>in</i> Pohl and Kollar, and <i>in</i> Pohl]	Brazil (São Paulo, Amz, Bahía, BFD, ES, Goiás, MG, MGr, MGrS, Par, Pba, RGS, RJ, Ron, Ror, SC, Toc); Argentina (Cos, ER, Mis), Bolivia, Paraguay
<i>inexorabile</i> Schrottky, 1909 [Argentina/Brazil]	
<i>infuscatum</i> Lutz, 1909 [Brazil (Rio de Janeiro/São Paulo)]	
<i>flavifemur</i> (Enderlein, 1921 [April]) (available) [Brazil (? state)]	
<i>lutzianum</i> (Enderlein, 1934) [1933] (preocc.) [Paraguay]	
<i>septentrionale</i> Cerqueira & Barbosa de Almeida, 1970 (preocc.) [Brazil (Rondonia)]	
<i>cerqueirai</i> Barbosa de Almeida, 1974 [<i>in</i> Nunes de Mello & Barbosa de Almeida] (subst. name)	
<i>cerqueirai</i> Barbosa de Almeida, 1979 (unnecessary subst. name, duplicated publ.)	
<i>cerqueira</i> : incorrect subsequent spelling	

[<i>venustum</i> : Lutz, 1909, not Say]	
[<i>distinctum</i> : Pinto, 1932 [1931], not Lutz]	
[<i>paraguayense</i> : 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)
<i>serranum</i> : incorrect subsequent spelling	
spinibranchium Lutz, 1910	Brazil (São Paulo, Bahia, BFD, ES, Goiás, MG, MGr, MGrS, Par, Per, RGS, RJ, Ror, SC, Toc); Bolivia, Guyana, Venezuela
<i>striginotum</i> (Enderlein, 1934) [1933] [Bolivia]	
<i>pilosum</i> Lane & Porto, 1940 [<i>in</i> Porto] (preocc.) [Brazil (Mato Grosso)]	
<i>laneporoi</i> Vargas, 1941 (subst. name) [Brazil (Minas Gerais)]	
<i>lane-porteroi</i> : incorrect subsequent spelling	
<i>pilosum</i> : incorrect subsequent spelling	
subpallidum Lutz, 1910	Brazil (Minas Gerais, Alagoas, Amapá, Bahia, BFD, Ceará, ES, Goiás, MGr, MGrS, Par, Pará, Per, RGS, RJ, Ror, SC, SP, Toc); Argentina (ER, Mis), Guyana, Paraguay, Uruguay, Venezuela
<i>subviride</i> Lutz & Machado, 1915 (unav., <i>nomen nudum</i>)	
<i>guerreroi</i> Ramírez-Pérez, 1971 [Venezuela]	
<i>acarayense</i> Coscarón & Wygodzinsky, 1972 [Paraguay]	
<i>guarani</i> Coscarón & Wygodzinsky, 1972 [Paraguay]	
<i>nilesi</i> Rambajan, 1979 [1975] [Guyana]	

Subgenus CROSSKEYELLUM Grenier & Bailly-Choumara

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

gracilipes Edwards, 1921	Morocco
zagros (Yankovsky, 2010)	Iran

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
<i>unidens</i> (Takaoka & Davies, 1995) [Malaysia (Malaya)]	

Subgenus EDWARDSSELLUM Enderlein

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

buisseti Fain & Elsen, 1980	Democratic Republic of Congo
<i>buisseti</i> : incorrect subsequent spelling	
damnosum Theobald, 1903 (complex)***	Uganda; Angola, Benin, Botswana, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Congo, Democratic Republic of Congo, Equatorial 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), South Sudan, Sudan, Swaziland, Tanzania, Togo, Yemen, Zambia, Zimbabwe
<i>cingulatum</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	
<i>cingulatum</i> (Enderlein, 1921 [December]) (available) [Sudan]	
<i>hamedense</i> Higazi, Boakye, Wilson, Mahmoud, Baroka, Mukhtar & Unnasch, 2000 (unav., <i>nomen nudum</i>)	
‘Kagera’ Dunbar, 1966 (cytoform)	Tanzania/Uganda
‘Kibwezi’ Dunbar, 1969 (cytoform)	Kenya, Tanzania
‘Kibwezi A1’ Procnier & Muro, 1993 (cytoform)	Tanzania
‘Kibwezi A2’ Procnier & 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)
damnosum 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)	Benin, Cameroon, Niger, Nigeria, Sudan, Uganda
‘Volta’ Dunbar & Vajime, 1981 (cytoform)	Benin, Burkina Faso, Cameroon, Ghana, Guinea, Ivory Coast, Liberia, Mali, Niger, Nigeria, Senegal, Togo
dieguerense Vajime & Dunbar, 1975	Mali; Guinea
‘Dieguera’ Dunbar & Vajime, 1972 (<i>damnosum</i> cytoform)	
juxtadamnosum 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, Boakye, Wilson & Cobblah, 2004 (cytoform)	
‘Ghibe-Gojeb’ Hadis, Boakye, Wilson & Cobblah, 2004 (cytoform) [uncharacterized]	
kilibanum 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)
kipengere 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 &	Malawi
Maegga, 2006 (cytoform)	
‘Mombo’ Krüger, Mustapha, Kalinga, Tambala, Post &	Tanzania
Maegga, 2006 (cytoform)	
konkourense 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, Post, Mosha, Surtees & Baker, 1993 (cytoform)	Guinea, Sierra Leone
<i>konkoure</i> : incorrect subsequent spelling	
kulfoense Hadis, Wilson, Cobblah & Boakye, 2008 (unav. under <i>Code Article 16.4.1</i> ; no type)	Ethiopia
‘Kulfo’ Dunbar, 1969 (cytoform)	
latipollex (Enderlein, 1936)	South Africa (‘Transvaal’)
‘Olifants’ Krüger, Car & Maegga, 2005 (<i>damnosum</i> cytoform) [uncharacterized]	
leonense Boakye, Post & Mosha, 1993 [<i>in</i> Boakye, Post, Mosha, Surtees & Baker]	Sierra Leone; Guinea, Liberia
‘B’ Post & Crosskey, 1985 (<i>soubrense</i> cytoform)	
luadiense Elsen, Fain, Henry & De Boeck, 1983	Democratic Republic of Congo
machadoi Luna de Carvalho, 1962	Angola; Democratic Republic of Congo
maertensi Elsen, Fain, Henry & De Boeck, 1983	Democratic Republic of Congo
mengense Vajime & Dunbar, [1979] [1977]	Cameroon; Central African Republic. [‘Tanzania’ error]
‘Menge’ Dunbar, 1976 (<i>damnosum</i> cytoform)	
microlepidum Elsen, Fain, Henry & De Boeck, 1983	Democratic Republic of Congo
nganganum Elsen, Fain, Henry & De Boeck, 1983	Democratic Republic of Congo
pandanophilum 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)	
plumbeum 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’ Procnier & Muro, 1993 (<i>damnosum</i> cytoform)	Tanzania
‘Ketaketa C2’ Procnier & 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)]	
rasyani Garms, Kerner & Meredith, 1988	Yemen
repertum Elsen, Fain, Henry & De Boeck, 1983	Democratic Republic of Congo
sanctipauli 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
sirbanum Vajime & Dunbar, 1975	Niger; Benin, Burkina Faso, Cameroon, Central African Republic, Ghana, Guinea-Bissau, Ivory Coast, Mali, Nigeria, Sierra Leone, Sudan, Togo, Uganda
<i>sudanense</i> Vajime & Dunbar, 1975 [Burkina Faso]	
‘Sirba’ Dunbar & Vajime, 1971 (<i>damnosum</i> cytoform)	Burkina Faso, Ghana, Ivory Coast, Mali, Niger, Nigeria, Togo
‘Type III’ Meredith, Cheke & Garms, 1983 / Fiasorgbor & Cheke, 1992 (morphoform / cytoform)	Benin, Burkina Faso, Ghana, Nigeria, Togo
‘Type IV’ Meredith, Cheke & Garms, 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 Code Article 16.4.1; no type)	Ethiopia
‘Sodere’ Hadis, 2006 (thesis) (<i>damnosum</i> cytoform)	
soubrense 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, Post, Mosha, Surtees & Baker, 1993 (cytoform, typical)	Burkina Faso, Guinea, Ivory Coast. [? = <i>soubrense</i> s.str.]
<i>sourense</i> : incorrect subsequent spelling	
squamosum (Enderlein, 1921 [December]) (complex)	Cameroon; Benin, Central African Republic, Democratic Republic of Congo, Ivory Coast, Ghana, Guinea, Liberia, Nigeria, Sierra Leone, Togo
<i>squamosum</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	
<i>kitetense</i> Elsen & Post, 1989 (ssp.) [Democratic Republic of Congo]	
‘Bille’ Dunbar & Vajime, 1971 (<i>damnosum</i> cytoform)	Cameroon, Ivory Coast
‘A’ Traoré-Lamizana, Somiari, Mafuyai, Vajime & Post, 2001 (cytoform, typical)	Cameroon, Democratic Republic of Congo, Nigeria
‘B’ Traoré-Lamizana, Somiari, Mafuyai, Vajime & Post, 2001 (cytoform)	Cameroon, Nigeria
‘C’ Traoré-Lamizana, Somiari, Mafuyai, Vajime & Post, 2001 (cytoform)	Benin, 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
thyolense 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)	
vilhenai Luna de Carvalho, 1962	Angola
wambanum Elsen, Fain, Henry & De Boeck, 1983	Democratic Republic of Congo
yahense 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) [Believed eradicated by WHO African Programme for Onchocerciasis Control]
<i>jahense</i> : incorrect subsequent spelling	

Subgenus EUSIMULIUM Roubaud

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

angustipes Edwards, 1915*	Britain (England, CI, Wa); Algeria, Armenia, Austria, Belarus, Bosnia, China (Hebei), Czech Republic, Denmark, Finland, France, Germany, Hungary, Ireland, Italy, Kazakhstan, Latvia, Lebanon, Luxembourg, Macedonia, Mongolia, Morocco, Netherlands, Norway,
<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]	Poland, Portugal, Romania, Russia (CR, NR, SR),
‘E’ Dunbar, 1959 (<i>aureum</i> cytoform)	Serbia, Slovakia, Spain, Sweden, Switzerland, Tunisia,
‘aff. <i>aureum</i> sp. 1’ Rubtsov, 1959 [<i>in</i> Dunbar] (<i>Simulium</i> , part)	Turkey, Ukraine
‘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>latizomum</i> : incorrect subsequent spellings	
arenicola Liu, Gong, Zhang, Luo & An, 2003	China (Qinghai)
<i>shaliuense</i> : lapsus for <i>arenicola</i> [<i>in</i> Zhang, Liu, Shi, Yang & Gong, 2008, attrib. Liu, An & Luo]	
argentipile (Rubtsov, 1962)	Russia (St Petersburg CR); Sweden (?)
<i>argentipiles</i> : incorrect subsequent spelling	
armeniacum (Rubtsov, 1955)	Armenia; Azerbaijan, China (IM)
aureum 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)]
azerbaidzhanicum (Djafarov, 1953)	Azerbaijan; Armenia
<i>aserbajdzanicum</i> , <i>azerbajdjanicum</i> : incorrect subsequent spellings	
azorensis (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]	
baatori (Rubtsov, 1967)	Mongolia
beiwansis Guo, Zhang, An, Zhang, Zheng, Dong & Zhao, 2008	China (Xinjiang)
brachyantherum 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	
bracteatum 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)
donovani Vargas, 1943	Mexico (Chiapas, Du, GJ, MI, Mo, Vz); Guatemala,
<i>diasi</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]	
erimoense (Ono, 1980)	Japan (Hokkaido)
exulatum Adler, Currie & Wood, 2004	Canada (Manitoba, BC, Lab, Nfld, NWT, Que); USA
‘C’ Dunbar, 1959 (<i>aureum</i> cytoform)	(Alaska, Col)
flexibranchium Crosskey, 2001 [<i>in</i> Crosskey & Malicky]	Greece (Rhodes, Crete, Kithira, Naxos)
guimari 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)	
jomsomense Takaoka & Shrestha, 2010	Nepal
kaszabi (Rubtsov, 1969)	Mongolia
kazahstanicum (Rubtsov, 1976)	Kazakhstan
krymensis (Rubtsov, 1956)	Ukraine (Crimea); Bulgaria, Romania. [? = <i>nigrofusipes</i>]
<i>krimensis</i> : incorrect subsequent spelling	
kuandianensis (Chen & Cao, 1983)	China (Liaoning)
longitarse (Rubtsov & Violovich, 1965)	Siberia (Tuva WS)

maritimum (Rubtsov, 1956)	Russia (Krasnodar SR); China (Li), Georgia
mellah Giudicelli & Bouzidi, 2000 [<i>in</i> Giudicelli, Bouzidi & Abdelaali]	Morocco
nigrofuscipes Rubtsov, 1947	Tajikistan; Armenia
<i>nigrifuscipes</i> , <i>nigrofuscipes</i> : incorrect subsequent spellings	
paucicuspis Rubtsov, 1947	Tajikistan; Armenia, Iran, Iraq, Turkmenistan, Uzbekistan
<i>paucicuspe</i> : incorrect subsequent spelling	
[<i>latizonum</i> : Crosskey, 1967 (Iran), not Rubtsov]	
petricolum (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, Turkey, 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]	
pilosum (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]	
reginae Terteryan, 1949	Armenia; Azerbaijan, China (Xi), Georgia, Turkey (?)
salinum (Rubtsov, 1956)	Siberia (Irkutskaya ES)
satsumense Takaoka, 1976	Japan (Nansei Islands); China (Li)
silvaticum (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)	
taipei (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)	
China (Shandong)	
tenerificum Crosskey, 1988	Canary Islands (Tenerife, Gomera, La Palma)
'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)	
China (Liaoning)	
velutinum (Santos Abreu, 1922)	Canary Islands (La Palma, Gomera); Algeria, Andorra, Balearic Islands (Majorca, Minorca), Bosnia, Britain (En, Sc, Wa), Cyprus, Czech Republic, Finland, France (incl. Corsica), Germany, Greece (incl. Corfu, Crete, Lésbos, Páros, Rhodes), Hungary, Ireland, Israel, Italy (incl. Sardinia, Sicily), Jordan, Libya, Macedonia, Malta, Morocco, Norway, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Tunisia, Turkey, Ukraine (incl. Crimea)
<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]	
violator 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]	
weiningense 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)

FREEMANIELLUM: incorrect subsequent spelling

berghei Fain, 1949	Democratic Republic of Congo; Cameroon, Nigeria, Uganda. [? = <i>spinulicorne</i>]
'Cameroon' Lewis & Disney, 1972 (morphoform)	

debegene De Meillon, 1934	South Africa (Limpopo, EC, FS, G, KZN, M, NW); Zimbabwe
empopomae De Meillon, 1937	South Africa (KwaZulu Natal)
<i>empoponae</i> : incorrect subsequent spelling	
hessei Gibbins, 1941	South Africa (Western Cape, EC)
hirsutilateris De Meillon, 1937	South Africa (KwaZulu Natal, L); Tanzania
<i>hirsutilateralis</i> : incorrect subsequent spelling	
manense Elsen & Escaffre, 1976*	Ivory Coast; Ghana, Guinea, Liberia, Malawi, Sierra Leone, Tanzania, Togo, Uganda
[<i>debegene</i> : authors, not De Meillon]	
spinulicorne 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

ambigens Delfinado, 1969	Philippines (Mindanao)
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BAISASAE species-group

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

BANAUENSE species-group

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

BATOENSE species-group

abadii Takaoka, 2003	Indonesia (Sulawesi)
adleri Jitklang & Kuvangkadilok, 2008 [2007]	Thailand
angulistylum Takaoka & Davies, 1995	Malaysia (Malaya); Thailand
apoense Takaoka, 1983	Philippines (Mindanao)
asperum Takaoka, 2003	Indonesia (Maluku)
atratum De Meijere, 1913	Indonesia (Java)
auratum Takaoka, 2009	Malaysia (Sarawak)
babuyanense Takaoka & Tenedero, 2007	Philippines (Palawan)
baglungense Takaoka & Shrestha, 2010	Nepal

barioense Takaoka, 2008	Malaysia (Sarawak)
barretti Smart & Clifford, 1965	New Guinea (PNG mainland)
batoense Edwards, 1934	Indonesia (Java, Sumatra); Japan (Honshu)
‘J-12’ Bentinck, 1955 (<i>Simulium</i> sp.)	
bhutanense Takaoka & Somboon, 2008	Bhutan; Nepal
bifurcatum Takaoka, 2003	Indonesia (Irian Jaya)
binuanense Takaoka & Tenedero, 2008	Philippines (Palawan)
brevitruncatum Takaoka, 2003	Indonesia (Sulawesi)
brivetruncum Chen & Chen, 2000	China (Hainan)
<i>brivetruncum</i> : incorrect subsequent spelling	
bucolicum Datta, 1975	India (Assam); Nepal
butwalense Takaoka & Shrestha, 2010	Nepal
capillatum Takaoka, 2009	Malaysia (Sabah, Sarawak)
[<i>dentistylum</i> (part): Takaoka, 2001, not Takaoka & Davies]	
catleyi Smart & Clifford, 1965	New Guinea (New Britain, PNG mainland)
centrale Smart & Clifford, 1965	New Guinea (PNG mainland, New Ireland)
cheongi Takaoka & Davies, 1995	Malaysia (Malaya); Indonesia (Sumatra), Thailand
chongqingense Zhu & Wang, 1995	China (Sichuan)
<i>chengqingense</i> : incorrect subsequent spelling	
chuzargangense Takaoka & Somboon, 2008	Bhutan
curvum Takaoka, 2003	Indonesia (Maluku)
datfaense Takaoka & Otsuka, 2009 [<i>in</i> Takaoka, Otsuka, Choochote & Thongsahuan]	Thailand
davaoense Takaoka, 1983	Philippines (Mindanao)
decuplum Takaoka & Davies, 1995	Malaysia (Malaya); Thailand
dentistylum Takaoka & Davies, 1995	Malaysia (Malaya); Thailand
dola Davies & Györkös, 1987	Sri Lanka
‘II’ Davies, 1984 (<i>Simulium</i> sp.)	
‘III’ Starmühlner, 1984 (<i>Simulium</i> sp.)	
duolongum Takaoka & Davies, 1995	Malaysia (Malaya); Vietnam
epistum Delfinado, 1971	Philippines (Balabac, Palawan)
fidum Datta, 1975	India (Assam)
flavocinctum Edwards, 1934	Indonesia (Sumatra)
<i>flovocinct</i> : incorrect subsequent spelling	
floresense Takaoka, Hadi & Sigit, 2006	Indonesia (Flores)
friederichsi Edwards, 1934	Indonesia (Java, Sumatra)
fulgidum Takaoka, 2009	Malaysia (Sarawak)
gombakense Takaoka & Davies, 1995	Malaysia (Malaya); Thailand. [‘Nepal’ error]
hadiaie Takaoka, 2003	Indonesia (Sulawesi)
hainanense Long, An & Hao, 1994	China (Hainan)
<i>hailanense</i> : incorrect subsequent spelling	
heldsbachense Smart & Clifford, 1965	New Guinea (PNG mainland); Indonesia (Irian Jaya)
hemicyclium Smart & Clifford, 1965	New Guinea (New Britain, PNG mainland); Indonesia (Maluku)
inermum Takaoka, 2003	Indonesia (Irian Jaya)
jiulianshanense Kang, Zhang, & Chen, 2007	China (Jiangxi)
kalimerahense Takaoka, 2003	Indonesia (Irian Jaya)
kelabitense Takaoka, 2008	Malaysia (Sarawak)
keravatense Smart & Clifford, 1965	New Guinea (New Britain, PNG mainland)
kolakaense Takaoka, 2003	Indonesia (Sulawesi)
krombeini Davies & Györkös, 1987	Sri Lanka
‘I’ Davies, 1984 (<i>Simulium</i> sp.)	
kuingingiense Smart & Clifford, 1965	New Guinea (PNG mainland); Indonesia (Irian Jaya)
lagunaense Takaoka, 1983	Philippines (Luzon)
lehi Takaoka, 2001	Malaysia (Sarawak, Sabah)
litoreum Datta, 1975	India (Assam)
longshengense Chen, Zhang & Zhang, 2007	China (Guangxi Zhuang)
luzonicum Takaoka, 1983	Philippines (Luzon)

manadoense Takaoka, 2003	Indonesia (Sulawesi)
‘B’ Takaoka & Roberts, 1988 (<i>Simulium</i> sp.)	
mangasepi Takaoka, 1983	Philippines (Palawan)
miblosi Takaoka, 1983	Philippines (Mindanao)
mindanaoense Takaoka, 1983	Philippines (Mindanao)
miyagii Takaoka, 2003	Indonesia (Sulawesi)
montiblense Takaoka, 1983	Philippines (Palawan); China (Fu), Vietnam
‘A’ Delfinado, 1971 (<i>Simulium</i> sp.)	
munumense Smart & Clifford, 1965	New Guinea (PNG mainland, New Britain)
nami Smart & Clifford, 1965	New Guinea (PNG mainland)
nigrofemorale [sic] Chen & Zhang, 2001	China (Hainan)
nuwakotense Takaoka & Shrestha, 2010	Nepal
omutaense Ogata & Sasa, 1954	Japan (Kyushu, Hon); Korea (South)
otsukai Takaoka & Choochote, 2009 [<i>in</i> Takaoka, Otsuka, Choochote & Thongsahuan]	Thailand
padangense Takaoka & Sigit, 1997	Indonesia (Sumatra)
palauense Stone, 1964	Palau Islands
parahiyangum Takaoka & Sigit, 1992	Indonesia (Java, Sumatra); Malaysia (Malaya, Sabah Sarawak), Thailand
[<i>dentistylum</i> (part): Takaoka, 2001, not Takaoka & Davies]	
pattoni Senior-White, 1922	India (Tamil Nadu); China (Hainan), Sri Lanka
‘I’ Starmühlner, 1984 (<i>Simulium</i> sp.)	
[<i>atratum</i> : authors, not De Meijere]	
paukatense Takaoka, 2008	Malaysia (Sarawak)
pegalanense Smart & Clifford, 1969	Malaysia (Sabah)
peregrinum Mackerras & Mackerras, 1950	Australia (Queensland)
prayongi Takaoka & Choochote, 2005	Thailand
rarum Takaoka & Tendero, 2008	Philippines (Palawan)
rayohense Smart & Clifford, 1969	Malaysia (Sabah)
repentinum Takaoka & Tendero, 2008	Philippines (Samar)
sachini Takaoka & Henry, 2010 [<i>in</i> Takaoka, Thapa & Henry]	India (West Bengal); Nepal
[<i>gombakense</i> : Shrestha & Takaoka, 2009, not Takaoka & Davies]	
samarense Takaoka & Tendero, 2008	Philippines (Samar)
sarawakense Takaoka, 2001	Malaysia (Sarawak)
sextuplum Takaoka & Davies, 1995	Malaysia (Malaya)
siamense 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
‘F’ Pramual & Wongpakam, 2011 (cytoform)	Thailand
‘G’ Pramual & Wongpakam, 2011 (cytoform)	Thailand
<i>siamese</i> : incorrect subsequent spelling	
singgihi Takaoka, 2003	Indonesia (Sulawesi)
sundaicum Edwards, 1934	Indonesia (Java, Flores, Sumatra); India (WB) (?)
syafruddini Takaoka, 2003	Indonesia (Sulawesi)
synanceium (Chen & Cao, 1983)	China (Liaoning)
<i>symanceium</i> , <i>synaceium</i> : incorrect subsequent spellings	
syuhaiense Huang & Takaoka, 2008	Taiwan
<i>shuhaiense</i> : incorrect subsequent spelling	
tahanense Takaoka & Davies, 1995	Malaysia (Malaya)
torautense Takaoka & Roberts, 1988	Indonesia (Sulawesi)
tumidum Takaoka, 2003	Indonesia (Sulawesi)
tumum Chen & Zhang, 2001	China (Hainan)
unum Datta, 1975	India (Assam)
whartoni Takaoka & Davies, 1995	Malaysia (Malaya); Indonesia (Sumatra)
[<i>zonatum</i> : Crosskey, 1973, 1988, not Edwards]	
williei Takaoka & Thapa, 2010 [<i>in</i> Takaoka, Thapa & Henry]	India (West Bengal)

yaeyamaense Takaoka, 1991	Japan (Nansei Islands)
[<i>batoense</i> : Ogata, 1956, not Edwards]	
yuanbaoshanense Chen, Zhang & Zhang, 2007	China (Guangxi Zhuang)
zonatum 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

ambonense Takaoka, 2003	Indonesia (Maluku)
asakoe Takaoka & Davies, 1995 (complex)	Malaysia (Malaya, Sabah, Sarawak); China (HK), Thailand, Vietnam
‘C’ Takaoka & Suzuki, 1984 (<i>Simulium</i> sp.)	
atratooides Takaoka & Davies, 1996	Indonesia (Java)
<i>atratooides</i> Takaoka & Davies, 1995 (unav., <i>nomen nudum</i>)	
[<i>atratum</i> : Edwards, 1934, not De Meijere]	
brevilabrum Takaoka, Hadi & Sigit, 2006	Indonesia (Flores)
ceylonicum (Enderlein, 1921 [April]) (available)	Sri Lanka
chayamaritae Takaoka & Srisuka, 2010	Thailand
chiangdaoense Takaoka & Srisuka, 2009	Thailand
curtatatum Jitklang, Kuvangkadilok, Baimai, Takaoka & Adler, 2008	Thailand
curvastylum Chen & Zhang, 2001	China (Hainan)
<i>curvastylum</i> : incorrect subsequent spelling	
darjeelingense Datta, 1973	India (West Bengal); Nepal
doisaketense Jitklang, Kuvangkadilok, Baimai, Takaoka & Adler, 2008..	Thailand
dudgeoni Takaoka & Davies, 1995 [<i>in</i> Takaoka, Davies & Dudgeon]	China (Hong Kong)
ela Davies & Györkös, 1987	Sri Lanka
‘III’ Davies, 1984 (<i>Simulium</i> sp.)	
fanjingshanense Chen, Zhang & Wen, 2000	China (Guizhou)
gimpuense Takaoka, 2003	Indonesia (Sulawesi)
guniki Takaoka, 2001	Malaysia (Sabah)
gyorkosae Takaoka & Davies, 1996	Indonesia (Java, Sulawesi, Sumatra)
<i>gyorkosae</i> Takaoka & Davies, 1995 (unav., <i>nomen nudum</i>)	
[<i>metatarsale</i> : Edwards, 1934, not Brunetti]	
hoiseni Takaoka, 2008	Malaysia (Malaya)
inthanonense Takaoka & Suzuki, 1984	Thailand; China (Yu), Vietnam
jianfengense Long, An & Hao, 1994	China (Hainan)
kamimurai Takaoka, 2003	Indonesia (Maluku, Sulawesi)
laoshanstum Ren, An & Kang, 1998	China (Shandong)
longitruncum 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)
luraense Takaoka, Sofian-Azirun & Hashim, 2011 [<i>in</i> Takaoka, Sofian-Azirun, Hashim & Ya’cob]	Malaysia (Malaya)
mengi Chen, Zhang & Wen, 2000	China (Guizhou)
metatarsale Brunetti, 1911	India (West Bengal, Sik); China (Fu, Gu, Hainan, Ji, Yu), Taiwan. [‘West Malaysia’, ‘Indonesia (Java)’ errors]
<i>metatarsale</i> , <i>metatarsale</i> : incorrect subsequent spellings	
miaolingense Wen & Chen, 2000	China (Guizhou)
mindoroense Takaoka & Tenedero, 2007	Philippines (Mindoro)
mogii Takaoka, 2003	Indonesia (Sulawesi)
namense Takaoka, 1989	Burma
napuense Takaoka, 2003	Indonesia (Sulawesi)
nepalense Lewis, 1964	Nepal
ogatai (Rubtsov, 1962)	Japan (Honshu, Sh)
‘Tategata-buyu’ Kani, 1944	
‘J-13’ Bentinck, 1955 (<i>Simulium</i> sp.)	
okinawense Takaoka, 1976	Japan (Okinawa Island)
<i>okinawaense</i> : incorrect subsequent spelling	
penis Sun, 2009	China (Guangxi Zhuang)

pingxiangense An, Hao & Mai, 1990	China (Guangxi Zhuang)
roslihashimi Takaoka & Sofian-Azirun, 2011 [<i>in</i> Takaoka, Sofian-Azirun, Hashim & Ya'cob]	Malaysia (Malaya)
rosemaryae Takaoka & Roberts, 1988	Indonesia (Sulawesi)
rutengense Takaoka, Hadi & Sigit, 2006	Indonesia (Flores)
sheilae Takaoka & Davies, 1995	Malaysia (Malaya, Sabah, Sarawak); Indonesia (Sumatra), Thailand
'g' Kuvangkadilok, Boonkemtong, Phayuhaseana & Baimai, 2003 (<i>Simulium</i> sp.)	
[<i>metatarsale</i> : Crosskey, 1973, not Brunetti]	
sofiani Takaoka & Hashim, 2011 [<i>in</i> Takaoka, Sofian-Azirun & Hashim]	Malaysia (Malaya)
taitungense Huang & Takaoka, 2011 [<i>in</i> Huang, Takaoka, Otsuka & Aoki]	Taiwan
tenuistylum Datta, 1973	India (West Bengal, Sikkim)
tokarense Takaoka, 1973	Japan (Tokara Islands)
trangense 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]	
tuenense Takaoka, 1979	Taiwan
udomi Takaoka & Choochote, 2006	Thailand
wuyishanense Chen & Zhang, 2009 [<i>in</i> Zhang, Gao, Cai, Huang & Chen]	China (Fujian)
xiangxiense Sun, 2009	China (Guangxi Zhuang)
xizangense An, Zhang & Deng, 1990	China (Tibet)
zayuense 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

hiroshii Takaoka, 1994	Solomon Islands (Guadalcanal, New Georgia Islands); New Guinea (Bougainville)
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SHERWOODI species-group

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

TRIRUGOSUM species-group

trirugosum Davies & Györkös, 1988	Sri Lanka
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VARICORNE species-group

burtoni Takaoka & Davies, 1995	Malaysia (Malaya); Thailand (?)
charlesi Takaoka, 2008	Malaysia (Sarawak)
chumpornense Takaoka & Kuvangkadilok, 2000 [<i>in</i> Kuvangkadilok & Takaoka]	Thailand
kuvangkadilokae Pramual & Tangkawanit, 2008	Thailand
novemarticulatum Takaoka & Davies, 1995	Malaysia (Malaya); Thailand
shogakii (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	
tomae Takaoka, 2003	Indonesia (Sulawesi)
varicorne Edwards, 1929	Indonesia (Sumatra, Java); Malaysia (Malaya), Nepal

Gomphostilbia species unplaced to group

altayense Cai, An & Li, 2005	China (Xinjiang)
bannaense Chen & Zhang, 2003	China (Yunnan)
bataksense Takaoka & Tenedero, 2007	Philippines (Palawan)
guangxiense Sun, 2009	China (Guangxi Zhuang)
guizhouense Chen, Zhang & Yang, 2003	China (Guizhou, Hubei)
heteropara Sun, 2009	China (Hunan)
huguangense Sun, 2009	China (Hunan)
hunanense Zhang & Chen, 2004	China (Hunan)
jinbianense Zhang & Chen, 2004	China (Hunan)
<i>jinbinense</i> : incorrect subsequent spelling	
makartschenkovi (Bodrova, 1987)	Siberia (Sakhalin FE)
mamasaense Takaoka, 2003	Indonesia (Sulawesi)
meadowi Mahe, Ma & An, 2003	China (Xinjiang)
serratatum Takaoka, 2003	Indonesia (Sulawesi)
simianshanense Wang, Li & Sun, 1996	China (Sichuan)
<i>simiaushanense</i> : incorrect subsequent spelling	
sulawesiense Takaoka & Roberts, 1988	Indonesia (Sulawesi)
sumatraense 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)	
tashikulganense Mahe, Ma & An, 2003	China (Xinjiang)
vischarvi (Chubareva, 1996)	Tajikistan
yunnanense 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

banksi Craig, 2006 [<i>in</i> Craig, Currie, Hunter & Spironello]	Vanuatu (Vanua Lava)
callipygium Craig, 2006 [<i>in</i> Craig, Currie, Hunter & Spironello]	Vanuatu (Espiritu Santo, Vanua Lava)

johnfrumi Craig, 2006 [*in* Craig, Currie, Hunter & Spironello] Vanuatu (Tanna, Erromango)
pankumuense Craig, 2006 [*in* Craig, Currie, Hunter & Spironello] Vanuatu (Malekula)
tuberculum Craig, 2006 [*in* Craig, Currie, Hunter & Spironello] Vanuatu (Éfaté)
 [jolyi (part): Grenier & Rageau, 1961 / Crosskey, 1967,
 not Roubaud]

STEATOPYGIUM species-group

adsonense Craig, 2006 [*in* Craig, Currie, Hunter & Spironello] Vanuatu (Espíritu Santo)
anatolicum Craig, 1987 Society Islands (Tahiti)
 ? ‘forbidden’ Craig, 1983 (*Simulium* cytoform)
jolyi Roubaud, 1906 Vanuatu (Malekula)
jolii: incorrect subsequent spelling
laciniatum Edwards, 1924 Fiji (Viti Levu, Kadavu, Ovalau, Taveuni, Vanua Levu)
laciniotum: incorrect subsequent spelling
 [jolyi (part): Edwards, 1932 / Grenier & Rageau, 1961 /
 Crosskey, 1967, not Roubaud]
lucyae Craig, 2006 [*in* Craig, Currie, Hunter & Spironello] Vanuatu (Aneityum)
paradisium Craig, 2006 [*in* Craig, Currie, Hunter & Spironello] Vanuatu (Espíritu Santo)
spiroi Craig, Currie & Hunter, 2006 [*in* Craig, Currie, Hunter
 Hunter & Spironello] Vanuatu (Malekula)
steatopygium Craig, 2006 [*in* Craig, Currie, Hunter & Spironello] Vanuatu (Éfaté, Espíritu Santo)
subparadisium Craig, 2006 [*in* Craig, Currie, Hunter & Spironello] .. Vanuatu (Espíritu Santo)
supercilium Craig, 2006 [*in* 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,
 ‘H’ Bennett, 1960 (*Simulium*)
 ‘T’ Anderson & DeFoliart, 1961 (*Cnephia* sp.)
 [see Adler, Currie & Wood, 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,
 ‘b’ Dunbar, 1967 (cytoform)
congareenarum: incorrect subsequent spelling
dogieli (Rubtsov, 1956, attrib. Usova) Russia (Karelia KM, NR); Belarus, Canada (NWT),
rendalense (Golini, 1975) [Norway]
 ‘1’ Golini, 1970 (thesis) (*Eusimulium* sp., part)
randalense: incorrect subsequent spelling
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];
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*)

<i>subexisum</i> : incorrect subsequent spelling	
<i>yerberyi</i> : incorrect subsequent spelling	
meigeni (Rubtsov & Carlsson, 1965)†	Russia (Murmansk KM); China (Li), Mongolia, Norway, Siberia (?). [‘Britain’ error]
<i>fallisi</i> (Golini, 1975) [Norway]	
[<i>pygmaeum</i> : Rubtsov, 1956 (part), not Zetterstedt]	
minus (Dyar & Shannon, 1927)	USA (California)
nebulosum Currie & Adler, 1986	Canada (British Columbia: Queen Charlotte Islands and mainland); USA (Alaska, Cal, Idaho, Ore, Was)
[<i>anatinum</i> : Mahrt, 1982, not Wood]	
[<i>gouldingi</i> : Mahrt, 1982, not Stone]	
notoense Takaoka & Saito, 2011	Japan (Honshu)
[oligocenicum Rubtsov, 1936]	[Russia (Kaliningrad): Oligocene (Baltic amber)]
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) (<i>Eusimulium</i> sp., part)	
‘near <i>dogieli</i> ’ Golini, 1975 (<i>Eusimulium</i>)	
‘Opinaca’ Golini, 1982 (thesis) / Rothfels & Golini, 1983 (<i>Hellichella</i> cytoform)	Canada (Quebec)
‘Opinaga’: Golini, 1982 (thesis) (lapsus)	
<i>opinaca</i> (Chubareva & Petrova, 2003) (unav., <i>nomen nudum</i> , attrib. Rothfels & Golini)	

RIVULI species-group

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

Subgenus INSELIELLUM Rubtsov

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

CASTANEUM species-group

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

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

OVICEPS species-group

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

TAHITIENSE species-group

arlecchinum Craig, 1987	Society Islands (Tahiti)
connae Craig, 1997	Society Islands (Tahiti)
dojeycorium Craig, 1997	Society Islands (Tahiti)
exasperans 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)
fossatae Craig, 1997	Society Islands (Tahiti)
pseudocorium Craig & Joy, 2000	Society Islands (Moorea)
tahitiense Edwards, 1927 (complex)	Society Islands (Tahiti)

Inseliellum species unplaced to group

buissoni Roubaud, 1906	Marquesas Islands (Nuku-Hiva, Eiao, Hiva-Oa, Ua-Huka)
englundi Craig, 2004	Marquesas Islands (Mohotani)
evenhuisi Craig, 1997	Society Islands (Tahiti)
gallinum Edwards, 1932	Marquesas Islands (Hiva-Oa, Fatu-Hiva, Tahuata, Ua-Huka, Ua-Pou)
guamense Stone, 1964	Guam
hukaense 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	
lotii Craig, 1987	Society Islands (Tahiti, Huahine, Moorea, Raiatea, Tahaa)
<i>opunohuense</i> Craig, 1987 [Society Islands (Moorea)]	
‘light’ Craig, 1987 (<i>Simulium</i> cytoform)	
malardei Craig, 1987	Society Islands (Tahiti, Bora Bora, Huahine, Moorea, Raiatea, Tahaa)
‘new’ Craig, 1983 (<i>Simulium</i> cytoform)	
maraaense Craig, 1997	Society Islands (Tahiti)
mataverense Craig & Craig, 1986	Cook Islands (Rarotonga)
‘damn’ Craig, 1983 (<i>Simulium</i> cytoform and morphoform)	
mumfordi Edwards, 1932	Marquesas Islands (Hiva-Oa)

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

Subgenus LEWISSELLUM Crosskey

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

atyophilum Lewis & Disney, 1969	Cameroon
ethiopiense Fain & Oomen, 1968	Ethiopia
goinyi Lewis & Hanney, 1965	Kenya; Uganda
<i>goinyi</i> Lewis, 1961 (<i>ovazzae</i> ssp.) (unav., <i>nomen nudum</i>)	
‘Kenya “woodi”’ Lewis, 1961 (morphoform)	
hightoni Lewis, 1961	Kenya; Uganda
<i>higtoni</i> : incorrect subsequent spelling	
[<i>nyasalanicum</i> : McMahon, 1957, not De Meillon]	
kivuense Gouteux, 1978 [1977]	Democratic Republic of Congo; Burundi (?), Rwanda (?), Uganda (?)
neavei Roubaud, 1915	Uganda; Democratic Republic of Congo, Kenya , Angola (?)
<i>renauxi</i> Wanson & Lebied, 1950 [Democratic Republic of Congo]	
<i>naevei</i> , <i>naevi</i> , <i>neavi</i> , <i>noevei</i> : incorrect subsequent spellings	
nyasalanicum 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	
ovazzae Grenier & Mouchet, 1959	Cameroon; Congo, Democratic Republic of Congo, Ivory Coast, Liberia, Uganda
<i>ivoriense</i> Gouteux, 1979 [1978] (ssp.) [Ivory Coast]	
woodi 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)

adersi 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), South Sudan, Sudan, Swaziland, Togo, Uganda, Zambia, Zimbabwe
<i>adversi</i> : incorrect subsequent spelling	

hirsutum Pomeroy, 1922 <i>dubium</i> Pomeroy, 1922 [Tanzania]	Tanzania; Angola, Burundi, Cameroon, Democratic Republic of Congo, Ethiopia, Kenya, Malawi, Mozambique, Nigeria, South Africa (EC, KZN, L, M, WC), South Sudan, Sudan, Swaziland, Uganda, Zimbabwe. ['Sierra Leone' error]
sexiens De Meillon, 1944	Kenya; Democratic Republic of Congo, Ethiopia, Rwanda
urundiense Fain, 1950 <i>urundiesi</i> : incorrect subsequent spelling]	Burundi; Ethiopia (?)
yemenense Crosskey & Garms, 1982 [<i>in</i> Crosskey & Büttiker] [<i>urundiense</i> : Rivosecchi, Merighi & Parrinello, 1969, not Fain]	Yemen; Saudi Arabia (Asir)

Subgenus METOMPHALUS Enderlein

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

BOVIS species-group

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

MEDUSAEFORME species-group

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

gyas De Meillon, 1951	Madagascar
‘M6’ Grenier & Doucet, 1950 (<i>Simulium</i> sp.)	
hargreavesi Gibbins, 1934	Uganda; Angola, Benin, Burkina Faso, Cameroon,
<i>elgonense</i> Gibbins, 1934 [Uganda]	Central African Republic, Congo, Democratic Republic
<i>tisiphone</i> De Meillon, 1936 [South Africa (KwaZulu Natal)]	of Congo, Eritrea, Ethiopia, Ghana, Guinea,
<i>loangolense</i> Roubaud & Grenier, 1943 [Democratic Republic of Congo]	Guinea-Bissau, Ivory Coast, Kenya, Malawi, Mali,
<i>hargreavesi</i> : incorrect subsequent spelling	Mozambique, Nigeria, Rwanda, Saudi Arabia (Asir),
<i>elgoneus</i> : incorrect subsequent spelling	Sierra Leone, South Africa (EC, KZN, M, NC, NW),
	South Sudan, Sudan, Swaziland, Tanzania, Togo,
	Uganda, Yemen, Zambia, Zimbabwe
kingundense Fain & Elsen, 1974	Democratic Republic of Congo
letabum De Meillon, 1935	South Africa (Limpopo, EC, KZN, M); Lesotho,
	Swaziland (?)
medusaeforme Pomeroy, 1920	Cameroon; Angola, Burundi, Democratic Republic of
<i>ugandae</i> Gibbins, 1934 [Uganda]	Congo, Ethiopia, Kenya, Lesotho, Malawi,
<i>capense</i> (Enderlein, 1935) [South Africa (Western Cape)]	Mozambique, Rwanda, South Africa (EC, FS, G,
<i>caffrum</i> (Enderlein, 1935, <i>caffer</i>) [South Africa (‘Caffraria’)]	KZN, M, NC, NW), Swaziland, Tanzania, Uganda,
<i>pseudomedusaeforme</i> De Meillon, 1936 [South Africa	Zambia, Zimbabwe
(KwaZulu Natal)]	
<i>angolense</i> Abreu, 1961 (unav., var. post-1960)	
<i>medusoeformis</i> : incorrect subsequent spelling	
natalense De Meillon, 1950	South Africa (KwaZulu Natal)
ngouense Fain & Elsen, 1973	Cameroon; Nigeria
[<i>colasbelcouri</i> : Crosskey, 1957, not Grenier & Ovazza]	
pentaceros Grenier & Brunhes, 1972	Madagascar
ruandae Fain, 1950	Rwanda; Democratic Republic of Congo
taylori Gibbins, 1938	Uganda; Tanzania
<i>taylori</i> Gibbins, 1937 (unav., <i>nomen nudum</i>)	
‘Mahenge’ Lewis & Raybould, 1974 (morphoform)	
tondewandouense Fain & Elsen, 1973	Cameroon
toffeum Gibbins, 1937	Uganda; Kenya
vorax Pomeroy, 1922	Tanzania; Angola, Benin, Burkina Faso, Burundi,
<i>limbatum</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i>)	Democratic Republic of Congo, Ethiopia, Kenya,
<i>limbatum</i> Enderlein, 1921 [December] (preocc.) [Tanzania]	Lesotho, Malawi, Mali, Mozambique, Nigeria, Rwanda,
<i>lepidum</i> De Meillon, 1935 [South Africa (Limpopo)]	South Africa (EC, FS, KZN, L, M, WC), South Sudan,
<i>tangae</i> Smart, 1944 (subst. name, for <i>limbatum</i>)	Swaziland, Tanzania, Togo, Uganda, Zambia,
	Zimbabwe
zombaense Freeman & De Meillon, 1953	Malawi

Subgenus MONTISIMULIUM Rubtsov

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

alizadei (Djafarov, 1954)	Azerbaijan; Armenia, China (Si), Kazakhstan, Russia,
<i>gviletense</i> (Rubtsov, 1956) [Russia (Caucasus)]	(Caucasus), Turkey
<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	
alpinum Rubtsov, 1947	Kyrgyzstan
angkaense Takaoka & Choochote, 2005	Thailand
arpiense (Terteryan & Kachvoryan, 1982)	Armenia
assadovi (Djafarov, 1956)	Azerbaijan; Iran
asulcatum (Rubtsov, 1956)	Uzbekistan
bartangum (Chubareva, 2000)	Tajikistan
birzhankolum (Yankovsky, Isakaev & Khasanova, 2010)	Kazakhstan
brachystylum (Rubtsov, 1976)	Tajikistan
brevicorne (Rubtsov, 1964)	Tajikistan

bulbosum Lewis, 1973	Pakistan
chowi Takaoka, 1979	Taiwan
<i>chuanbeiense</i> Chen & Zhang, 2007 [<i>in</i> Liu, Wen & Chen] (unav., <i>nomen nudum</i>)	China (Sichuan)
concastylum Deng, Zhang & Chen, 1995	China (Tibet)
<i>concastylum</i> Sun, 1994 (attrib. Duang & Chen, 1993) (unav., <i>nomen nudum</i>) <i>cancavustylum</i> , <i>concauustylum</i> : incorrect subsequent spellings	
danihari (Chubareva & Ismagulov, 1992)	Kazakhstan
dasguptai Datta, 1974	India (West Bengal); China (Sichuan)
dattai Takaoka & Somboon, 2008	Bhutan; India (WB), Nepal
‘B’ Datta, Dey & Paul, 1975 (<i>Simulium</i> sp.)	
decafile (Rubtsov, 1976)	Kazakhstan
<i>decafilium</i> (Yankovsky, 1996) (unnecessary subst. name)	
decimfiliatum (Rubtsov, 1956)	Uzbekistan; Tajikistan
djebaglense (Rubtsov, 1956)	Kyrgyzstan
duodecimcornutum (Rubtsov, 1956) (subst. name)	Tajikistan
<i>duodecimfilum</i> (Rubtsov, 1947, as <i>12-filum</i>) (unav., <i>nomen nudum</i>) <i>duodecimatum</i> (Rubtsov, 1951) (preocc.) <i>duodecimcornatum</i> : incorrect subsequent spelling	
euryplatamus Sun, 1994	China (Liaoning)
<i>euryplatamus</i> Sun & Song, 1995 (repeat description as sp. nov.) <i>enryplatamus</i> : incorrect subsequent spelling	
ghoomense Datta, 1975	India (West Bengal); China (Tibet)
hailuogouense Chen, Huang & Zhang, 2005	China (Sichuan)
heishuiense Chen & Wen, 2006 [<i>in</i> Wen & Chen]	China (Sichuan)
inflatum (Rubtsov, 1951)	Tajikistan; Kazakhstan
jasgulemum (Chubareva, 2000)	Tajikistan
jiajinshanense Zhang & Chen, 2006	China (Sichuan)
<i>jisigouense</i> Chen & Zhang, 2007 [<i>in</i> Liu, Wen & Chen] (unav., <i>nomen nudum</i>)	China (Sichuan)
kambaitense Takaoka, 1989	Burma
kerzhneri (Rubtsov, 1975)	Mongolia
kirgisorum (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)
kobayashii Okamoto, Yoshida, Sato & Shogaki, 1958	Japan (Honshu)
kurganense (Rubtsov, 1956)	Kyrgyzstan
laoleense Takaoka & Choochote, 2005	Thailand
lepnevae (Rubtsov, 1956)	Tajikistan
lingzhiense 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>)	
litshkense (Rubtsov, 1956)	Armenia
longifiliatum (Rubtsov, 1976)	Kazakhstan
<i>lonqifiliatum</i> : incorrect original spelling (alternative)	
luliangense Chen & Lian, 2011 [<i>in</i> Chen, Lian & Zhang]	China (Shanxi)
<i>uliangense</i> : incorrect original spelling	
merga Takaoka & Choochote, 2005	Thailand
‘G’ Kuvangkadilok, Boonkemtong & Phayuhasena, 1998 (<i>Simulium</i> sp.)	
montium Rubtsov, 1947	Tajikistan; Kazakhstan, Kyrgyzstan, Pakistan, Russia (Caucasus)
moxiense Chen, Huang & Zhang, 2005	China (Sichuan)
nanense Takaoka & Srisuka, 2010 [<i>in</i> Takaoka, Srisuka, Saeung, Otsuka, Aoki & Choochote (<i>sic</i>)]	Thailand
nemorivagum Datta, 1973	India (West Bengal); Bhutan, China (Tibet), Nepal, Pakistan
<i>nemoriuagum</i> : incorrect subsequent spelling	

obichingoum (Chubareva, 2000)	Tajikistan
ocreastylum (Rubtsov, 1956)	Tajikistan; Armenia
<i>ocreastilum</i> : incorrect subsequent spelling	
octofiliatum (Rubtsov, 1956)	Tajikistan; Kazakhstan
<i>batifile</i> (Rubtsov & Shakirzyanova, 1976) [Kazakhstan]	
<i>breviatum</i> (Rubtsov & Shakirzyanova, 1976) [Kazakhstan]	
odontostylum Rubtsov, 1947	Tajikistan
<i>odonthostylum, odontostilum, odontostylium</i> : incorrect subsequent spellings	
onum (Bodrova, 1988) [<i>in</i> Bodrova & Luk'yanchuk]*	Japan (Hokkaido)
[<i>sakhalinum</i> : Ono, 1977, not Rubtsov]	
peskovi (Ismagulov & Koshkimbaev, 1996)	Kazakhstan
phahompokense Takaoka & Srisuka, 2010	Thailand
polyprominulum Chen & Lian, 2011 [<i>in</i> Chen, Lian & Zhang]	China (Shanxi)
quattuordecimfiliatum (Rubtsov, 1976)	Kazakhstan; Tajikistan
<i>quattuordesimfiliatum</i> : incorrect subsequent spelling	
quattuordecimfilum 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, quattuordecimfilum</i> : incorrect subsequent spellings	
sakhalinum (Rubtsov, 1962)	Siberia (Sakhalin FE). [‘Japan’ error]
saradzhoense (Rubtsov, 1956)	Tajikistan; Kazakhstan
<i>saadzhoense</i> : incorrect subsequent spelling	
schevyakovi Dorogostaisky, Rubtsov & Vlasenko, 1935	Siberia (Baikal ES, FE, WS); Kazakhstan, Mongolia
<i>comosum</i> (Rubtsov, 1956) [Siberia (Buryatskaya)]	
<i>chevyakovi, schejakovi, schevyakvi, sheviakovi, shevjacovi, shevjakovi, shevjakowi, shevyakovi</i> : incorrect subsequent spellings	
schizolomum Deng, Zhang & Chen, 1995	China (Tibet)
<i>schizolomum</i> Sun, 1994 (attrib. Duang & Chen, 1993) (unav., <i>nomen nudum</i>)	
<i>schinolomum, schizolomun</i> : incorrect subsequent spellings	
schizostylum Chen & Zhang, 2011 [<i>in</i> Chen, Lian & Zhang]	China (Shanxi)
shadini (Rubtsov, 1956)	Tajikistan
sheveligiense (Rubtsov & Violovich, 1965)	Siberia (Tuva WS)
sonkulense (Yankovsky, 2000)	Kyrgyzstan
stackelbergi (Rubtsov, 1956)	Tajikistan
surachaii Takaoka & Choochote, 2005	Thailand
sytshevskiae (Rubtsov, 1967)	Tajikistan
taishanense Sun & Li, 2000	China (Shandong)
taktsangense Takaoka & Somboon, 2008	Bhutan
<i>tanae</i> (Xue, 1993) (secondary homonym of <i>tanae</i> Xue, 1992, but no available subst. name)	
tatianae (Bodrova, 1981)	China (Yunnan)
tibetense Deng, Xue, Zhang & Chen, 1994	Siberia (Maritime FE)
taishanense Deng, Xue, Zhang & Chen, 1994	China (Tibet)
vantshum (Chubareva, 2000)	Tajikistan
violovitshi (Rubtsov, 1962)	Siberia (Sakhalin FE)
weisiense Deng, Xue & Chen, 2005	China (Yunnan)
wulaofengense Chen & Zhang, 2011 [<i>in</i> Chen, Lian & Zhang]	China (Shanxi)
xin Zhouense Chen & Zhang, 2011 [<i>in</i> Chen, Lian & Zhang]	China (Shanxi)
yuntaiense 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) (*Montisimulium* 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

aropaense Takaoka, 1995	New Guinea (Bougainville)
avilae Smart & Clifford, 1965	New Guinea (PNG mainland)
biakense Takaoka, 2003	Indonesia (Irian Jaya)
clathrinum Mackerras & Mackerras, 1948	Australia (Queensland, NSW)
gagiduense Smart & Clifford, 1965	New Guinea (PNG mainland)
hagai Takaoka, 2003	Indonesia (Maluku)
halmaheraense Takaoka, 2003	Indonesia (Maluku)
kawagishii Takaoka & Suzuki, 1995	Solomon Islands (Guadalcanal)
kietaense Takaoka, 1995	New Guinea (Bougainville)
lalokiense Smart & Clifford, 1965	New Guinea (PNG mainland)
malukuense Takaoka, 2003	Indonesia (Maluku)
manokwariense Takaoka, 2003	Indonesia (Irian Jaya)
manuselaense Takaoka, 2003	Indonesia (Maluku)
pohaense Takaoka & Suzuki, 1995	Solomon Islands (Guadalcanal, New Georgia Islands)
ransikiense Takaoka, 2003	Indonesia (Irian Jaya)
raunsimnae Smart & Clifford, 1965	New Guinea (PNG mainland, New Britain)
selwynense Takaoka & Suzuki, 1995	Solomon Islands (Guadalcanal, New Georgia Islands)
solomonense Takaoka & Suzuki, 1995	Solomon Islands (New Georgia Island)
sorongense Takaoka, 2003	Indonesia (Irian Jaya)
tefulaense Takaoka, 2003	Indonesia (Maluku)
watetoense Takaoka, 2003	Indonesia (Maluku)
wilhelmlandae Smart, 1944 (subst. name)	New Guinea (PNG mainland)
<i>pygmaeum</i> (Enderlein, 1922) (preocc.)	

FAHEYI species-group

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

FARCIMINIS species-group

arfakense Takaoka, 2003	Indonesia (Irian Jaya)
botulus Smart & Clifford, 1965	New Guinea (PNG mainland); Indonesia (Irian Jaya)
cervus Smart & Clifford, 1965	New Guinea (PNG mainland)
clavum Smart & Clifford, 1965	New Guinea (PNG mainland)
evelyna Smart & Clifford, 1965	New Guinea (PNG mainland)
farciminis Smart & Clifford, 1965	New Guinea (PNG mainland); Indonesia (Irian Jaya)
fimbriatum Smart & Clifford, 1965	New Guinea (PNG mainland)
jayapuraense Takaoka, 2003	Indonesia (Irian Jaya)
pamahaense Takaoka, 2003	Indonesia (Irian Jaya)
rounae Smart & Clifford, 1965	New Guinea (PNG mainland)
wantoatense Smart & Clifford, 1965	New Guinea (PNG mainland)

MELATUM species-group

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

OCULATUM species-group

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

PAPUENSE species-group

papuense Wharton, 1948	New Guinea (PNG mainland); Indonesia (Irian Jaya, Maluku), Solomon Islands (Guadalcanal)
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Morops species unplaced to group

brandti Smart & Clifford, 1965	New Guinea (PNG mainland)
josephi Smart & Clifford, 1965	New Guinea (PNG mainland)
kaiti Smart & Clifford, 1965	New Guinea (New Ireland)
kokodae Smart & Clifford, 1965	New Guinea (PNG mainland)
longirostre Smart & Clifford, 1972 (subst. name)	New Guinea (PNG mainland)
<i>rostratum</i> Smart & Clifford, 1965 (preocc.)	
mafuluense Smart & Clifford, 1965	New Guinea (PNG mainland)
matokoense Smart & Clifford, 1965	New Guinea (PNG mainland)
mussauense Delfinado, 1971	New Guinea (Mussau Island)
tafae 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

atlanticum Crosskey, 1969 Saint Helena Island

FEUERBORNI species-group

borneoense Takaoka, 2001 Malaysia (Sabah)
bryopodium Delfinado, 1971 Philippines (Palawan)
chairuddini Takaoka, 2003 Indonesia (Sulawesi)
chiangklangense Takaoka & Choochote, 2005 Thailand
chitoense Takaoka, 1979 Taiwan; China (Hainan)
fangense Takaoka & Choochote, 2006 Thailand
feuerborni Edwards, 1934 Indonesia (Java, Bali, Sumatra); Malaysia (Malaya),
 ‘B’ Takaoka & Suzuki, 1984 (*Simulium* sp.) Thailand
 ‘nr. *feuerborni* 1’ Thanwisai, Kuvangkadilok & Baimai, 2006
 (*Simulium* sp.) (molecular form)
 ‘nr. *feuerborni* 2’ Thanwisai, Kuvangkadilok & Baimai, 2006
 (*Simulium* sp.) (molecular form)
fruticosum Takaoka & Choochote, 2005 Thailand
fuscinervis Edwards, 1933 Malaysia (Sabah)
izuense Takaoka & Saito, 2005 Japan (Honshu)
leigongshanense Chen & Zhang, 1997 China (Guizhou)
 laigongshanense: incorrect subsequent spelling
maesaiense Takaoka & Srisuka, 2011 Thailand
mie Ogata & Sasa, 1954 Japan (Honshu, Ky, NI, Sh); China (Fu, Gu, Si, Yu, Zh),
 ‘J-7’ Bentinck, 1955 (*Simulium* sp.) Korea (South)
minahasaense Takaoka, 2003 Indonesia (Sulawesi)
 ‘A’ Takaoka & Roberts, 1988 (*Simulium* sp.)
mongareense Takaoka & Somboon, 2008 Bhutan
morisonoi Takaoka, 1973 Japan (Tokara Islands)
perlucidulum Takaoka, 1983 Philippines (Mindanao)
praelargum Datta, 1973 India (West Bengal); China (Tibet), Nepal
 praetargum: incorrect subsequent spelling
qiongzhouense Chen, Zhang & Yang, 2003 China (Hainan)
rufithorax Brunetti, 1911 India (Maharashtra, Ka, WB)
saitoi Takaoka, 2000 [*in* Takaoka & Saito] Japan (Honshu)
sasai (Rubtsov, 1962) Japan (Honshu, Ky)
 ‘J-14’ Bentinck, 1955 (*Simulium* sp.)
senile Brunetti, 1911 India (Himachal Pradesh)
shandongense Sun & Li, 2000 China (Shandong)
subratai Takaoka, Thapa & Henry, 2011 India (West Bengal)
vessabutrae Takaoka & Srisuka, 2010 Thailand
wangxianense Chen, Zhang & Bi, 2004 China (Hunan)
wichaii Takaoka, 2010 [*in* Takaoka & Srisuka] Thailand
 ‘A’ Takaoka, 1989 (*Simulium* sp.) Burma
 ‘sp. 2 (nr. *fruticosum* [*sic*])’ Henry, Dey, Varma, Thapa &
 Procnier, 2010 India (West Bengal)

LOUTETENSE species-group

loutetense 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, South Sudan, Tanzania, Togo, Zambia
‘Chemka’ Lewis & Raybould, 1974 (morphoform)	Tanzania
<i>loutetense</i> : incorrect subsequent spelling	
milloti Grenier & Doucet, 1949	Madagascar
narcaeum De Meillon, 1950	South Africa (KwaZulu Natal)
<i>narceum</i> : incorrect subsequent spelling	
rutherfordi De Meillon, 1937	South Africa (KwaZulu Natal, EC, FS, L, M, NW, WC);
‘II’ Rivosecchi, Merighi & Parrinello, 1969 (<i>Simulium</i> sp.)	Democratic Republic of Congo, Lesotho, Swaziland,
<i>rutherfordi</i> , <i>rutherfordi</i> : incorrect subsequent spellings	Zimbabwe, Yemen (?)

RUFICORNE species-group

akopi (Chubareva & Kachvoryan, 2000)***	Armenia
<i>acopi</i> , <i>akopy</i> : incorrect subsequent spellings	
alatum Fain & Dujardin, 1983	Kenya
alidae Pilaka & Elouard, 1997	Madagascar
angustitarse (Lundström, 1911)	Finland; Algeria, Austria, Belarus, Bosnia, Britain (En, Wa), China (Yu), Czech Republic, Denmark, Estonia, France, Germany, Hungary, Ireland, Italy, Kyrgyzstan, Latvia, Lithuania, Luxembourg, Macedonia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CR, NR, SR), Serbia, Siberia (ES, WS), Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine
<i>melanobrachium</i> (Enderlein, 1924) (ssp.) [Estonia]	
<i>mazedonicum</i> (Baranov, 1926) [Macedonia & Serbia]	
<i>knochi</i> (Enderlein, 1929) [Germany]	
<i>flavicorne</i> (Enderlein, 1929) [Austria]	
<i>equitarse</i> (Rubtsov, 1962) [Kyrgyzstan]	
<i>dispinum</i> (Rubtsov & Carlsson, 1965) [Sweden]	
<i>marrucinum</i> (Rivosecchi, 1966) [Italy]	
<i>celticum</i> Davies, 1966 (preocc.) [Britain (Wales)]	
<i>campriense</i> Davies, 1967 (subst. name)	
<i>brevipes</i> (Rubtsov, 1967) (ssp.) [Hungary]	
<i>hungaricum</i> (Rubtsov, 1967) (ssp.) [Hungary]	
<i>zaporogae</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	
antibrachium Fain & Dujardin, 1983	Kenya; Cameroon
arabicum 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)	
aspericorne Fain, Bafort & Silberstein, 1976	Kenya
aureohirtum 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), Guam, 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	
aureosimile Pomeroy, 1920	Cameroon; Burundi, Equatorial Guinea (Bioko), Ivory Coast, Kenya, Nigeria, Togo. [Other country records in error or dubious, including South Sudan, as Sudan, (probably <i>arabicum</i>)]
[<i>nigritarse</i> : authors, not Coquillett]	
baforti Fain & Dujardin, 1983	Kenya
borbonense Giudicelli, 2008	Réunion
brachium Gibbins, 1936	Uganda; Congo, Democratic Republic of Congo, Kenya, Lesotho, South Africa (EC, NW, WC), Tanzania, Ethiopia (?)

brevitarse (Rubtsov, 1976)	Azerbaijan; Iran
<i>brevitrarse</i> : incorrect subsequent spelling	
brunhesi Pilaka & Ranaivoharindriaka, 1996 [<i>in</i> Elouard, Pilaka & Ranaivoharindriaka]	Madagascar
buckleyi De Meillon, 1944	Kenya; Ethiopia, Rwanda
<i>vulcani</i> Fain, 1950 [Rwanda]	
<i>buckley</i> : incorrect subsequent spelling	
bulbiferum Fain & Dujardin, 1983	Rwanda; Democratic Republic of Congo
candelabrum Fain & Dujardin, 1983	Tanzania
chovdica (Yankovsky, 1996) (subst. name)	Mongolia
<i>tenuitarsus</i> (Rubtsov, 1969) (preocc.)	
crassicaulum (Rubtsov, 1955)	Uzbekistan
<i>crassicaulis</i> : incorrect subsequent spelling	
delizhanense (Rubtsov, 1955)	Armenia; Azerbaijan, Georgia
<i>deliganense, delizanensis</i> : incorrect subsequent spellings	
duboisi Fain, 1950	Rwanda; Democratic Republic of Congo, Kenya, Tanzania
ekomei Lewis & Disney, 1972	Cameroon
falcoe (Shiraki, 1935)	Taiwan. [‘Japan’ error]
<i>falconense</i> : incorrect subsequent spelling	
flavinotatum Fain & Dujardin, 1983	Rwanda; Tanzania
flavipes Austen, 1921	Israel/Jordan
<i>jerichoense</i> Smart, 1944 (unnecessary subst. name)	
fuscicorne Fain, 1950	Rwanda
fuscipes (Fries, 1824)†	Sweden; Hungary, Norway, Russia (KM)
glatthaari Takaoka & Davies, 1995	Indonesia (Sumatra)
ibleum (Rivosecchi, 1966)	Italy (Sicily, mainland); Algeria, Cyprus, Greece (Crete), Lebanon, Libya, Morocco, Tunisia, Spain (?). [? = <i>angustitarse</i>]
indoceanicum Giudicelli, 2008	Réunion
katangae Fain, 1951	Democratic Republic of Congo; Cameroon, South Africa (EC, G, KZN), Tanzania
kugitangi (Yankovsky & Shinkovsky, 1992)	Turkmenistan
longipes (Rubtsov, 1956)	Kazakhstan
loveridgei Crosskey, 1965	Saint Helena Island
lundstromi (Enderlein, 1921 [April]) (available)	Britain (England); Algeria, Austria, Belarus, Belgium, Bulgaria, China (Be), Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Ireland, Italy, Kazakhstan, 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>luttiae</i> (Usova & Reva, 2008) (unav., <i>nomen nudum</i>)	
<i>lundstromii</i> : incorrect subsequent spelling	
[<i>angustitarse</i> : authors (pre-1974), not Lundström]	
metecontae Elouard & Pilaka, 1996 [<i>in</i> Elouard, Pilaka & Ranaivoharindriaka]	Madagascar
montshadskii (Rubtsov, 1956)	Tajikistan; Kazakhstan, Uzbekistan
<i>montshadskli</i> : incorrect subsequent spelling	
neornatipes 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]	
nigritarse 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>nigritaris</i> : incorrect subsequent spelling	
[<i>latipes</i> : Austen, 1909, not Meigen]	
[<i>aureosimile</i> : authors, not Pomeroy]	
ningxiaum Yang, Wang & Chen, 2008	China (Ningxia Hui)
norfolkense Dumbleton, 1969	Norfolk Island; Australia (NSW, Qld, SA, Vic, WA)

‘A1’ Bedo, 1979 (<i>ornatipes</i> cytoform [= ‘A’ Bedo, 1977, part])	Kenya
nyanzense Fain & Dujardin, 1983	Siberia (Yakutskaya ES)
oresti (Vorobets, 1984)	Australia (NSW, Qld, SA, Tas, Vic, WA); Indonesia (Irian Jaya), New Guinea (PNG mainland)
ornatipes Skuse, 1890 (complex)	Australia (NSW, Qld, Vic, WA)
<i>biroi</i> (Enderlein, 1936) [Australia (New South Wales)]	Australia (NSW, Qld, SA, Tas, Vic)
‘B’ Bedo, 1977 (cytoform)	Burundi; Democratic Republic of Congo, Rwanda
‘A2’ Bedo, 1979 (cytoform [= ‘A’ Bedo, 1977, part])	Madagascar
perforatum Fain & Dujardin, 1983	Portugal
philipponi Pilaka & Elouard, 1997	Saint Helena Island
pinhaoi Santos Grácio, 1985	Tanzania
politum Crosskey, [1977] [1976]	Rwanda; Democratic Republic of Congo
raybouldi Fain & Dujardin, 1983	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, Lebanon, 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), South Sudan, Spain, Sudan, Syria, Tanzania, Togo, Tunisia, Uganda, Yemen (incl. Socotra), Zambia, Zimbabwe. [‘Java’ error]
rubescens Fain & Dujardin, 1983	
ruficornis Macquart, 1838	
<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	
‘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]	
sacculiferum Fain & Dujardin, 1983	Rwanda; Burundi
simplex Gibbins, 1936	Uganda; Democratic Republic of Congo, Kenya, South Africa (?), Zimbabwe (?)
<i>elgonicum</i> Séguy, 1938 [Kenya]	
sirimonense Fain & Dujardin, 1983	Kenya; Uganda
speculiventre Enderlein, 1914	Seychelles (Mahé, Praslin, Silhouette)
starmuhlneri Grenier & Grjebine, 1964 [1963]	Madagascar (incl. Nosy Bé Island)
‘M3’ Grenier & Doucet, 1950 (<i>Simulium</i> sp.)	
subgriseum Rubtsov, 1940	Afghanistan [neotype]; China (Be, Li), Kazakhstan, Mongolia, Tajikistan, Turkmenistan
tolongoinae Grenier & Brunhes, 1972	Madagascar
? ‘M5’ Grenier & Doucet, 1950 (<i>Simulium</i> sp.)	
triplex Giudicelli, 2008	Réunion; Mauritius
vitile (Rubtsov, 1955)	Armenia; Azerbaijan, Georgia, Uzbekistan
volhynicum (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

aberrans Delfinado, 1969	Philippines (Luzon)
acmeria (Ono, 1978)	Japan (Hokkaido)
<i>acmerium</i> : incorrect subsequent spelling	
aestivum Davies, Peterson & Wood, 1962 [1961]	Canada (Ontario, Lab, PEI, Que); USA (NH)
‘Labrador’ Brockhouse, 1984 (thesis) (<i>vernum</i> cytoform)	
amosovi (Vorobets, 1987)	Siberia (Yakutskaya ES)

amurense (Rubtsov, 1956)	Siberia (Amurskaya FE, Sakhalin FE)
angustatum (Rubtsov, 1956)	Ukraine (Crimea); China (Li), Czech Republic, Poland, Romania, Serbia, Slovakia
<i>angutratum, anustatum</i> : incorrect subsequent spellings	
angusticorne (Rubtsov, 1956)	Siberia (Maritime FE)
armoricanum Doby & David, 1961	France; Britain (En, Sc, Wa), Ireland, Portugal, Spain. [?
<i>amroricanum</i> : incorrect subsequent spelling	= <i>florae</i>]
artum 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.)	
australe (Rubtsov, 1955)	Armenia; Azerbaijan
babai Takaoka & Aoki, 2007	Japan (Hokkaido)
bavaricum 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)]	
beltukovae (Rubtsov, 1956)†	Russia (Permskaya CR, NR, SR); Andora, Austria, Czech Republic, Finland, France, Germany, Italy, Norway, Poland, Serbia, Siberia (ES, WS), Slovakia, Slovenia, Sweden, Ukraine, Kazakhstan (?)
<i>erectum</i> (Rubtsov, 1959) [Russia (Permskaya CR)]	
<i>minuticarpus</i> (Yankovsky, 1996) (subst. name, for <i>minutum</i>) [Russia (St Petersburg CR)]	
<i>minutum</i> (Rubtsov, 1959) (preocc.)	
<i>carpathicum</i> (Knoz, 1961) [Czech Republic]	
<i>beltjukovae, beltucovae, beltyukovae</i> : incorrect subsequent spellings	
<i>carphaticum</i> : incorrect original spelling	
<i>carpatica, carpacticum, carpaticum</i> : incorrect subsequent spellings	
bertrandi 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.)	
bicorne 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)	
boldstemta (Ono, 1978)	Japan (Hokkaido)
<i>boldstemtum</i> : incorrect subsequent spelling	
bonninense (Shiraki, 1935)	Japan (Bonin Islands = Ogasawara Islands)
<i>bonninensi</i> : incorrect subsequent spelling	
brevidens (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]	
bumthangense Takaoka & Somboon, 2008	Bhutan
burgeri 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.)	
burmense Takaoka, 1989	Burma
cangshanense (Xue, 1993)	China (Yunnan)
carbunculum 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, Adler & Burger, 1997 (<i>pugetense</i> cytoform)	
[<i>pugetense</i> : authors (Mexico, Saskatchewan), not Dyar & Shannon]	
carthusiense 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>carthusiense, carthusience, cartusiense</i> : incorrect subsequent spellings	

caudisclerum Takaoka & Davies, 1995	Malaysia (Malaya); Thailand
‘A’ Takaoka & Suzuki, 1984 (<i>Simulium</i> sp.)	
chejuense Takaoka, 1974	Korea (Cheju Islands)
cheni (Xue, 1993)	China (Yunnan)
chenzhouense Chen, Zhang & Bi, 2004	China (Hunan)
cherraense Sun, 1994	China (Liaoning)
chodakovi (Panchenko, 1998)	Ukraine (Crimea)
chomustachi (Vorobets, 1977)	Siberia (Yakutskaya ES)
chubarevae (Kachvoryan & Terteryan, 1981)	Armenia
codreanui (Sherban, 1958)	Romania; Austria, Bosnia, Bulgaria, Czech Republic,
? <i>laticalx</i> (Enderlein, 1936) (preocc.) [Romania]	Poland, Serbia, Slovakia, Turkey, Ukraine
? <i>orsovae</i> Smart, 1944 (subst. name, for <i>laticalx</i>)	
<i>codreanni</i> : incorrect subsequent spellings	
conicum Adler, Currie & Wood, 2004	USA (California, Idaho, Ore, Was); Canada (BC)
[<i>pugetense</i> : Courtney, 1986, not Dyar & Shannon]	
costatum Friederichs, 1920	Germany; Algeria, Austria, Bosnia, Britain (En, Sc),
<i>incornutum</i> (Enderlein, 1929) [Germany]	Bulgaria, Czech Republic, Denmark, France, Hungary,
<i>barbativentre</i> (Enderlein, 1929) [Germany]	Italy, Latvia, Luxembourg, Morocco, Netherlands,
<i>costalum</i> , <i>coststum</i> : incorrect subsequent spelling	Norway, Poland, Romania, Slovakia, Slovenia, Spain,
	Sweden, Switzerland, Turkey, Ukraine. [‘Argentina’
	error, Edwards, 1931]
craigi Adler & Currie, 1986	Canada (Alberta, BC, Man, NB, Nfld, Nun, NWT, Ont,
‘A’ Rothfels & Brockhouse, 1983 [<i>in</i> Okaeme, thesis]	PEI, Que, Sask); USA (Alaska, Ari, Cal, Col, Maine,
(<i>vernum</i> cytoform)	Mic, NH, NM, NY, Pen, Utah, Wyo)
‘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, Currie & Wood, 2004 for misidentifications]	
crenobium (Knoz, 1961)	Czech Republic; Austria, Bosnia, Germany, Hungary,
	Poland, Romania, Serbia, Slovakia, Slovenia,
	Switzerland, Ukraine. [‘Italy’ error]
croxtoni Nicholson & Mickel, 1950	USA (Minnesota, Maine, Mas, Mic, NH, NJ, Pen, Wis,
‘E’ Shewell, 1957 (<i>Simulium</i> sp.)	Wyo); Canada (Alb, BC, Lab, Man, NB, Nfld, NWT,
	Ont, PEI, Sask, Yukon)
cryophilum (Rubtsov, 1959) (complex)*	Russia (St Petersburg CR, NR, SR); Algeria, Andorra,
<i>brevicaulis</i> Dorier & Grenier, 1961 (unav., form post-1960)	Armenia, Austria, Balearic Islands (Majorca), Belgium,
<i>biancoi</i> (Rubtsov, 1964) [Italy]	Bosnia, Britain (En, Sc, Wa), Bulgaria, Cyprus, Czech
<i>couverti</i> (Rubtsov, 1964) [Italy]	Republic, Denmark, Estonia, Finland, France (incl.
<i>vidanoi</i> (Rubtsov, 1964) [Italy]	Corsica), Germany, Greece (incl. Chios, Crete, Naxos,
<i>tricrenum</i> (Rubtsov & Carlsson, 1965) [Sweden]	Lésbos), Ireland, Italy (incl. Sardinia, Sicily), Latvia,
<i>brevicaule</i> Davies (L.), 1966 (availability conferred) [France]	Lebanon, Luxembourg, Morocco, Netherlands,
<i>longibranchiale</i> Raastad, Usova & Kuusela, 2010 (unav.,	Norway, Poland, Portugal, Scotland, Serbia, Slovakia,
<i>nomen nudum</i> , attrib. Rubtsov)†	Slovenia, Spain, Sweden, Switzerland, Tunisia, Turkey,
‘1’ Kunze, 1953 (<i>Simulium</i> species)	Ukraine
‘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>pusillum</i> : Séguy, 1930 / Grenier, 1953, not Fries]	
[<i>latipes</i> : Kachvoryan & Chubareva, 1974, not Meigen]	
curvans (Rubtsov & Carlsson, 1965)	Siberia (Irkutskaya ES, FE, WS); Finland, Latvia,

	[<i>pungens</i> : Rubtsov, 1956, not Meigen]	Mongolia, Norway, Romania, Russia (CR, KM), Sweden
dendrofilum (Patrusheva, 1962)	‘near <i>croxtoni</i> ’ Smith, 1970 (thesis) (<i>Simulium</i> sp.) <i>dendrofilatum</i> : incorrect subsequent spelling	Siberia (Tomsкая WS, ES, FE); Belarus, Canada (Nun), Finland, Sweden, USA (Alaska)
dentatura (Vorobets, 1987)		Siberia (Yakutskaya ES)
djafarovi (Rubtsov, 1962) (subst. name)	<i>subcostatum</i> (Djafarov, 1953) (preocc.)	Azerbaijan; Armenia, Kazakhstan, Romania, Turkey
dolomitense (Rivosecchi, 1971)		Italy
dunfellense Davies, 1966		Britain (England, Sc); Belgium, Ireland
elatum (Rubtsov, 1955)†		Azerbaijan; Russia (Caucasus)
fionae Adler, 1990	‘A-type’ Brockhouse, 1984 (thesis) (<i>vernium</i> cytoform) ‘Eastmain’ Brockhouse, 1985 (<i>vernium</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]	USA (New Hampshire, Mic, NJ, Pen); Canada (Lab, NB, NWT, Ont, Sask)
florae (Djafarov, 1954)		Azerbaijan; Romania, Turkey
fluviatile Radzivilovskaya, 1948		Siberia (Maritime FE); China (Si), Romania (?)
fontinale Radzivilovskaya, 1948	<i>decolletum</i> Adler & Currie, 1986 [Canada (Alberta)] ‘X’ Choate, 1984 (thesis) (<i>Eusimulium</i> sp.) ‘Yukon #9’ Brockhouse, 1984 (thesis) (<i>vernium</i> cytoform) ‘Yukon’ Brockhouse, 1985 (<i>vernium</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)]	Siberia (Maritime FE incl. Sakhalin); Canada (Alb, BC, NWT, Yukon), Finland, Japan (Hon), Mongolia, USA (Alaska)
fontium (Rubtsov, 1955)		Russia (Caucasus); Armenia, Azerbaijan, Georgia, Ukraine. [? = <i>costatum</i>]
fucense (Rivosecchi, 1962)		Italy
garniense (Rubtsov, 1955)		Armenia
gejgelense (Djafarov, 1954)	<i>geigelense</i> : incorrect subsequent spelling	Azerbaijan; China (Si)
gomphocorne (Rubtsov, 1964)		Russia (Caucasus)
gouldingi Stone, 1952	‘1’ DeFoliart, 1951 (thesis) (<i>Simulium</i> sp.) ‘Sp. 27’ Jamnback, 1951 (thesis) [<i>impar</i> (part): Carle, 2011 [2010], not Davies, Peterson & Wood]	USA (Pennsylvania, Ark, Del, Ken, Maine, Mas, Mic, NC, NH, NJ, NY, Vir, Wis, WV); Canada (Nfld, Ont, Que)
gracile Datta, 1973	<i>graciliss</i> : incorrect subsequent spelling	India (West Bengal); China (Tibet), Nepal
henanense Wen, Wei & Chen, 2007 [December]	<i>henanense</i> Wen, Wei & Chen, 2007 [August] (unav. under Code Article 16.4.1; no type)	China (Henan)
ibarakiense Takaoka & Saito, 2007		Japan (Honshu)
ichnusae Rivosecchi & Contini, 1994 (subst. name)	<i>rivosecchii</i> (Contini, 1965) (preocc.) <i>rivosecchi</i> : incorrect subsequent spelling	Italy (Sardinia)
impar Davies, Peterson & Wood, 1962 [1961]		Canada (Ontario, Que); USA (Ark, Geo, Ken, Maine, NC, NJ, Ohio, Pen, SC, Ten, Vir, WV)
itelmenica (Chubareva & Yankovsky, 2006)		Siberia (Kamchatka FE)
jilinense Chen & Cao, 1983		China (Jilin, Li)
juxtacrenobium Bass & Brockhouse, 1990	<i>juxtacrenobium</i> Brockhouse, Bass, Feraday & Straus, 1989 (unav., ICZN Opinion 1683)	Britain (England); Finland, Ireland, Sweden, Netherlands (?)
karajimae (Panchenko, 2003)		Ukraine (Crimea)
karzhantavicum (Rubtsov, 1956)	<i>karzhantacum</i> : incorrect subsequent spelling	Kazakhstan; Turkmenistan, Uzbekistan (?)
keiseri (Rubtsov, 1955)		Kyrgyzstan; Azerbaijan (Nakhichevan), Kazakhstan, Siberia (ES, WS), Uzbekistan

koshiense Takaoka, 1976	Japan (Nansei Islands)
kugartsuense (Rubtsov, 1956)	Kyrgyzstan
kurtaki Takaoka & Davies, 1995	Malaysia (Malaya)
kuznetzovi Rubtsov, 1940	Russia (Murmansk KM)
<i>kusnetzovi</i> : incorrect subsequent spelling	
larvipilosum Okazawa, 1984	Japan (Hokkaido)
latifile (Rubtsov, 1956)	Siberia (Maritime FE); China (Li)
<i>litifile</i> : incorrect subsequent spelling	
[<i>longipile</i> : Radzivilovskaya, 1948 (part)]	
lekhaniense Takaoka & Shrestha, 2010	Nepal
letense Takaoka & Shrestha, 2010	Nepal
lidiae (Semushin & Usova, 1983)	Ukraine
lilotense (Rubtsov, 1971)	Siberia (Irkutskaya ES)
loerchae 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>)	
longipile Radzivilovskaya, 1948*	Siberia (Maritime FE incl. Kamchatka, Irkutskaya ES); China (He)
[<i>pugetense</i> (part): Palearctic authors, not Dyar & Shannon]	
longtanstum Ren, An & Kang, 1998	China (Shandong)
ludingense Chen, Zhang & Huang, 2005	China (Sichuan)
luppovae (Rubtsov, 1956)	Tajikistan; Siberia (ES, FE, WS)
<i>lippovae</i> : incorrect subsequent spelling	
marsicanum (Rivosecchi, 1962)	Italy (incl. Sicily)
merritti Adler, Currie & Wood, 2004	USA (Utah)
modicum 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]	
moultoni Adler, Currie & Wood, 2004	USA (New Hampshire); Canada (PEI, Que incl. Magdalen Islands)
‘C’ Hunter & Connolly, 1986 (<i>pugetense</i> cytoform)	
multidentatum (Bodrova, 1988) [<i>in</i> Bodrova & Luk'yanchuk]	Siberia (Sakhalin FE)
murvanidzei (Rubtsov, 1955)	Georgia; Armenia
naturale Davies, 1966	Britain (England, Sc, Wa); Denmark, Estonia, Germany, Ireland, Lithuania, Spain, Norway (?)
‘Dorset IIS-2+3’ Brockhouse, 1985 (<i>vernum</i> cytoform)	
‘Denmark’ Brockhouse, 1991 (thesis) (cytoform)	
novigracile Deng, Zhang, Xue & Chen, 1996	China (Tibet, Hubei)
oligotuberculatum (Knoz, 1965)	Slovakia; Andorra, Austria, Czech Republic, France, Germany, Italy, Poland
<i>oligotuberculatum</i> : incorrect subsequent spelling	
onoi Sato & Takaoka, 2004 [<i>in</i> Sato, Takaoka & Fukuda]	
(unav. primary homonym and invalid under <i>Code</i> Article 16.4.1; no type)	
[<i>kono</i> : Ono, 1975, 1979, not Takahasi]	
pathrushevae (Boldarueva, 1979)	Siberia (Buryatskaya ES)
<i>pathrusheva</i> , <i>patrushevae</i> : incorrect subsequent spellings	
planipuparium Rubtsov, 1947	Tajikistan; Kazakhstan, Pakistan
pugetense (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)	
‘D’ Hunter & Connolly, 1986 (cytoform)	
‘E’ Hunter & Connolly, 1986 (cytoform)	
<i>prugetense</i> : incorrect subsequent spelling	
purii Datta, 1973	India (West Bengal); China (Tibet), Nepal
qiaolaoense Chen, 2001	China (Guizhou)
<i>giaolaoense</i> , <i>qiaoluense</i> : incorrect subsequent spellings	
qingshuiense Chen, 2001	China (Guizhou)

quasidecolletum 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.)	
quebecense Twinn, 1936	Canada (Quebec, NS, Ont); USA (Geo, Mic, NC, NH, NJ, NY, Pen, SC, Vir, WV)
<i>quebecenses</i> : incorrect subsequent spelling	
[see Adler, Currie & Wood, 2004 for misidentifications]	
raohense Cai & An, 2006	China (Heilongjiang)
rebunense (Ono, 1979)	Japan (Hokkaido: Rebun Island)
<i>rushanense</i> (Chubareva & Petrova, 2008) (unav., <i>nomen nudum</i> , attrib. Chubareva)	Tajikistan
saliceti (Rubtsov, 1971)	Siberia (Magadanskaya FE)
satakei Takaoka & Saito, 2006	Japan (Bonin Islands = Ogasawara Islands)
silvestre (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 Dunbar</i> , thesis]	
(<i>latipes</i> [= <i>vernum</i>] cytoform)	
‘B’ Rothfels & Brockhouse, 1983 [<i>in Okaeme</i> , 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, Currie & Wood, 2004 for additional misidentifications]	
strelkovi (Rubtsov, 1956)	Siberia (Sakhalin FE)
subcostatum (Takahasi, 1950)	Japan (Hokkaido incl. Rishiri Island, Hon, Ky, Sh); China (Li), Korea (South), Siberia (FE incl. Kurile Islands and Sakhalin)
taulingense Takaoka, 1979	Taiwan
tauricum (Rubtsov, 1956)	Ukraine (Crimea)
<i>tahuricum</i> : incorrect subsequent spelling	
thrimshinglaense Takaoka & Somboon, 2008	Bhutan
timondavidi Giudicelli, 1961 [1960]	France (Corsica)
tjibodense Edwards, 1934	Indonesia (Java)
<i>tibodense</i> : incorrect subsequent spelling	
tosariense Edwards, 1934	Indonesia (Java)
toubkal Bouzidi & Giudicelli, 1986	Morocco
uchidai (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]	
uemotoi 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.)	
urbanum Davies, 1966	Britain (England); Belgium, Denmark, Germany, Ireland, Luxembourg, Sweden, Netherlands (?)
‘B1’ Hunter, 1987 (<i>cryophilum</i> cytoform)	
vernum Macquart, 1826 [1823/24]	
[valid, ICZN Opinion 1416, List] (complex)*	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)]
<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)]	
	[Yankovsky, 2003 [2002] treats <i>hatangense</i> and <i>shutovae</i> as valid spp.]

<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)	Britain (England)
‘Knebworth’ Brockhouse, 1985 (cytoform)	Britain (England), Finland, Sweden. [‘USA (Alaska)’ error]
‘Lymington’ Brockhouse, 1985 (cytoform)	Britain (En)
‘N89’ Brockhouse, 1985 (cytoform)	Norway
‘N99’ Brockhouse, 1985 (cytoform)	Norway
‘N111/N96’ Brockhouse, 1985 (cytoform)	Norway
‘X ₀ Y ₀ ’ Hunter, 1987 (cytoform)	Germany, Italy
‘X ₀ Y ₁ ’ Hunter, 1987 (cytoform)	Germany
‘Hornvik’ Bass & Brockhouse, 1990 / Brockhouse, 1991 (thesis) (cytoform)	Iceland, Norway
‘Knobworth’ Chubareva & Petrova, 2003 (lapsus for ‘Knebworth’) [<i>latipes</i> : authors (incl. Rubtsov & Yankovsky, 1988 Catalogue), not Meigen: sense invalid (ICZN Opinion 1416)]	
wulindongense An & Yan, 2006	China (Heilongjiang)
<i>wulingdongense</i> : incorrect subsequent spelling	
wyomingense 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]	
xinbinense Chen & Cao, 1983	China (Liaoning)
<i>xinbinenst</i> : incorrect subsequent spelling	
xueae Sun, 1994	China (Liaoning)
<i>xueae</i> Sun, 1992 (? available, not seen, cited by Sun 1994)	
yushangense Takaoka, 1979	Taiwan; China (Gu)
<i>yeshangense</i> , <i>yushangonse</i> : incorrect subsequent spellings	
zakhariense (Rubtsov, 1955)	Armenia; Azerbaijan
zhangjiajiense Chen, Zhang & Bi, 2004	China (Hunan)
zhiltzovae (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)

blantoni Field, 1967	Panama
cuasixiguum Shelley, Luna Dias, Maia-Herzog & Lowry, 2000 [<i>in</i> Shelley, Maia-Herzog, Lowry, Luna Dias, Garritano, Shelley, Camargo & Carter]	Brazil (Goias, MGr, SP)
exiguum Roubaud, 1906 (complex)	Venezuela; Argentina (Jujuy, Salta, Tuc), Bolivia, Brazil (Amz, Bahía, BFD, Goiás, MG, MGr, MGrS, Par, RJ, Ror, SP, Toc), Colombia, Ecuador, Guatemala, Guyana, Mexico (Mo), Panama, Peru (Cuzco, Huá, Junin, 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' Procunier, Shelley & Arzube, 1985 (cytoform)	Ecuador
'Bucay' Procunier, Shelley & Arzube, 1985 (cytoform)	Ecuador
'Cayapa' Procunier, Shelley & Arzube, 1985 (cytoform)	Ecuador
'Quevedo' Procunier, 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>exigum</i> : incorrect subsequent spelling	
<i>glaucophthalmum</i> , <i>glaucophthalmicum</i> : incorrect subsequent spellings	
gonzalezi Vargas & Díaz Nájera, 1953 (complex)	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]	
incertum Lutz, 1910	Brazil (Minas Gerais, SP)
llutense Coscarón & Matta, 1982	Chile (Tarapacá)
paraguayense Schrottky, 1909	Paraguay; Argentina (Cos, Mis), Brazil (Bahía, MG, RDJ, SC, SP), Venezuela
paranense Schrottky, 1909	Paraguay
subexiguum Field, 1967	Panama; Mexico (Ch)
'A' Ibáñez-Bernal, 1992 (<i>Simulium</i> sp.)	Mexico (Chiapas)

Subgenus PHORETOMYIA Crosskey

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

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

Subgenus POMEROYELLUM Rubtsov

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

ALCOCKI species-group

alcocki 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,
<i>kenyanum</i> Séguy, 1938 [Kenya]	
<i>henrardi</i> Gibbins, 1941 [Democratic Republic of Congo]	
<i>hendardi</i> : incorrect subsequent spelling	

	Malawi, Mozambique, Rwanda, São Tomé and Príncipe (São Tomé), Senegal, Sierra Leone, South Africa (FS, G, KZN, L, M, WC), South Sudan, Sudan, Swaziland, Tanzania, Togo, Uganda
allaeri Wanson, 1947	Democratic Republic of Congo
bayakorum Fain & Elsen, 1974	Democratic Republic of Congo
coalitum Pomeroy, 1922	Nigeria; Cameroon, Democratic Republic of Congo, Ghana, Ivory Coast, Togo
djallonense Roubaud & Grenier, 1943	Guinea; Benin, Burkina Faso, Cameroon, Ghana, Guinea-Bissau, Ivory Coast, Liberia, Mali, Nigeria, Sierra Leone
duodecimum Gibbins, 1936	Uganda; Cameroon, Democratic Republic of Congo, Kenya, South Sudan
evillense 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]	
garmsi 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>)	
geigy Garms & Häusermann, 1968	Tanzania; Ethiopia
gilleti Fain & Hallot, 1964	Democratic Republic of Congo
hisseteum Gibbins, 1936	Democratic Republic of Congo; Cameroon, Kenya
<i>vargasi</i> Grenier & Rageau, 1949 [Cameroon]	
<i>hisseteum</i> , <i>hissetum</i> : incorrect subsequent spellings	
impukane 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, South Sudan, Swaziland, Tanzania
<i>impucane</i> : incorrect subsequent spelling	
ituriense Fain, 1951	Democratic Republic of Congo
johannae 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]	
liberiense Garms, 1973	Liberia; Ivory Coast
mayumbense Fain & Elsen, 1973	Democratic Republic of Congo
merops De Meillon, 1950	South Africa (Western Cape, EC). [Other records erroneous]
multiclavulatum Fain, Elsen & Dujardin, 1989	Democratic Republic of Congo
nyaense Gouteux, 1977	Democratic Republic of Congo
oguamai Lewis & Disney, 1972	Cameroon; Democratic Republic of Congo
rodhaini Fain, 1950	Rwanda
santomi Mustapha, 2004 [<i>in</i> Mustapha, Jarvis & Post]	São Tomé and Príncipe (São Tomé)
schwetzi Wanson, 1947	Democratic Republic of Congo
<i>sextumdecimum</i> Luna de Carvalho, 1962 (unav., form post-1960)	Angola
tentaculum Gibbins, 1936	Uganda; Democratic Republic of Congo, Ethiopia, Kenya, Malawi, South Sudan, Tanzania, South Africa (?)
weyeri Garms & Häusermann, 1968	Tanzania; Ethiopia

CERVICORNUTUM species-group

aureliani Fain, 1950	Rwanda
blacklocki De Meillon, 1930	Sierra Leone; Liberia
borunicornutum Pilaka & Elouard, 1999	Madagascar
cervicornutum Pomeroy, 1920	Cameroon; Angola, Benin, Burkina Faso, Burundi,

‘Gibbins’ Mustapha, McCall, Cheke & Post, 2006 (morphoform)	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), South Sudan, Swaziland, Tanzania, Togo, Uganda, Zambia
‘Pomeroy’ Mustapha, McCall, Cheke & Post, 2006 (morphoform)	
grenieri Pilaka & Elouard, 1999	Madagascar
leberrei Grenier, Germain & Mouchet, 1966 [1965]	Cameroon
palmeri Pomeroy, 1922	Nigeria; Cameroon, Democratic Republic of Congo
‘Moliba’ Lewis & Disney, 1972 (morphoform)	Cameroon
pauliani Grenier & Doucet, 1949	Madagascar
phluktainae Elouard & Pilaka, 1999 [<i>in</i> Pilaka & Elouard]	Madagascar
quilleverei Pilaka & Elouard, 1999	Madagascar
rotundum Gibbins, 1936	Uganda; Angola, Burundi, Democratic Republic of Congo, Kenya, Malawi, Lesotho, Mozambique, Rwanda, South Africa (EC, FS, G, KZN, M, WC), South Sudan, Swaziland, Tanzania
tandrokum Elouard & Pilaka, 1999 [<i>in</i> Pilaka & Elouard]	Madagascar
unicornutum Pomeroy, 1920	Cameroon; Angola, Benin, Burkina Faso, Burundi,
<i>monoceros</i> Roubaud & Grenier, 1943 [Guinea]	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), South Sudan, Tanzania, Togo, Uganda
<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]	
vangilsi Wanson, 1947	Democratic Republic of Congo

KENYAE species-group

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

audreyae Garms & Disney, 1974	Cameroon
<i>audreyae</i> : incorrect original spelling (alternative)	
awashense Uemoto, Ogata & Mebrahtu, 1977	Ethiopia; Botswana
bequaerti 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	
harrisoni Freeman & De Meillon, 1953	South Africa (Western Cape); Zambia
mcmahoni 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), South Sudan, Swaziland, Tanzania, Uganda, Zambia
<i>altipartitum</i> Roubaud & Grenier, 1943 [Congo]	
‘Tanzania’ Garms & Disney, 1974 (morphoform)	
<i>altipartum</i> : incorrect subsequent spelling	
<i>macmahoni</i> , <i>momahoni</i> : incorrect subsequent spellings	
schoutedeni Wanson, 1947	Democratic Republic of Congo; Angola, Benin, Burkina Faso, Cameroon, Ghana, Guinea, Ivory Coast, Liberia, Nigeria, South 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
‘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 *opaliniifrons* (original designation)
PLIODASINA Enderlein, 1936 (as genus). Type species: *guttatum* (original designation)
INAEQUALIUM Coscarón, 1981 [1980] (unav., *nomen nudum*)
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)
INAEQUALIUM Coscarón & Wygodzinsky, 1984 (as subgenus of *Simulium*). Type species: *inaequale* (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)
INAEQUALIM: incorrect subsequent spelling

AMAZONICUM species-group*

amazonicum Goeldi, 1905 [ICZN List]	Brazil (Amazonas [neotype designated ICZN Opinion 1341], Acre, Ron, 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. Mari’ Shelley, Hernández, Maia-Herzog, Luna Dias & Luz, 2006 (morphoform)	Brazil (Amz)
‘R. Ituxi’ Shelley, Hernández, Maia-Herzog, Luna Dias & Luz, 2006 (morphoform)	Brazil (Amz)
<i>tallaferoae</i> : incorrect subsequent spelling	
argentiscutum 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]	
[<i>urubambanum</i> : Enderlein, 1934 [1933] (part)]	
chaquense Coscarón, 1971	Argentina (Chaco, BA, Cos, For, Salta, SDE, SF, Tuc)
cuneatum (Enderlein, 1936)	Paraguay; Argentina (Chaco, Cos, ER, For, Mis, SDE, SF)
delponteianum Wygodzinsky, 1961	Argentina (Buenos Aires, Cos, ER); Brazil (RGS), Uruguay
<i>delpontelanum</i> : incorrect original spelling	
ganalesense Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (San Luis Potosi, Mo, Tb); Belize, Honduras
‘Belize’ Shelley, Hernández & Penn, 2002 (morphoform)	
oyapockense Floch & Abonnenc, 1946 (complex)	French Guiana; Argentina (Salta, SDE, Tuc), Bolivia, Brazil (Acre, 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]	
<i>pydanieli</i> (Pessoa, Medeiros & Barbosa, 2008) [<i>in</i> Pessoa, Barbosa & Medeiros] [Brazil (Amazonas)]	
‘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]	
quadririgatum Enderlein, 1934 [1933]	Brazil (Paraná); Paraguay
roraimense Nunes de Mello, 1974 (complex)	Brazil (Roraima); Argentina (Chaco, Cos), Ecuador, Venezuela
‘Manabi’ Procnier, Shelley & Arzube, 1987 (<i>oyapockense</i> cytoform)	Ecuador
‘Argentina’ Shelley, Hernández, Maia-Herzog, Luna Dias & Luz, 2006 (morphoform)	Argentina (Chaco, Cos)

sanguineum Knab, 1915	Colombia; Panama
<i>sangineum</i> : incorrect subsequent spelling	
siolii Py-Daniel, 1988	Brazil (Matto Grosso, Goiás, Mar, MGrS, Ron, Toc)
<i>lourencoi</i> Py-Daniel, 1988 [Brazil (Goiás)]	
tevegospinosum Hamada, 2000	Brazil (Amazonas, Pará)
venezuelense Ramírez-Pérez & Peterson, 1981	Venezuela; Brazil (Amapá)
<i>damascenoi</i> Py-Daniel, 1988 [Brazil (Amapá)]	

AURISTRIATUM species-group

anamariae Vulcano, 1962	Brazil (São Paulo, ES, Par, RGS, RJ, SC)
auristriatum Lutz, 1910	Brazil (Minas Gerais, RJ, SC, SP)
<i>infuscatum</i> Lutz, 1910 (preocc.) [Brazil (Rio de Janeiro/São Paulo)]	
brevifurcatum Lutz, 1910	Brazil (São Paulo, RGS); Argentina (Mis)
schmidtmmumi Wygodzinsky, 1973	Colombia
<i>schmidtmmumi</i> : incorrect subsequent spelling	
stellatum Gil-Azevedo, Figueiró & Maia-Herzog, 2005	Brazil (Minas Gerais, Bahia, RJ, SP)

BOTULIBRANCHIUM species-group

botulibranchium Lutz, 1910	Brazil (Rio de Janeiro, Par, RGS, SP); Argentina (Mis)
<i>botulibranchium</i> , <i>butulibranchium</i> , <i>tulibranchium</i> : 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, SC)
[<i>subclavibranchium</i> : authors (except Brazil [Rôndonia]), not Lutz]	
diversibranchium Lutz, 1910	Brazil (São Paulo, MG, RGS, RJ, SC); Argentina (Mis)
<i>missionum</i> Coscarón, 1976 [Argentina (Misiones)]	
inaequale (Paterson & Shannon, 1927)	Argentina (Tucumán [neotype], Jujuy, Mis, Salta);
<i>baiense</i> Pinto, 1932 [1931] [Brazil (Bahía)]	
<i>manicatum</i> (Enderlein, 1934) [1933] [Paraguay]	
<i>argentatum</i> (Enderlein, 1936) [Peru ('Hoch-Peru')]	
<i>clarki</i> Fairchild, 1940 [Panama]	
<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]	
lundi (Py-Daniel & Barbosa, 2007)*	Brazil (Amazonas)
maranguapense (Pessoa, Rios-Velásquez & Py-Daniel, 2005)	Brazil (Ceará)
margaritatum Pepinelli, Hamada & Luz, 2006	Brazil (Bahía)
mariavulcanoae Coscarón & Wygodzinsky, 1984	Brazil (São Paulo, RGS)
rappae Py-Daniel & Coscarón, 1982	Brazil (Minas Gerais, Goiás, RJ, SP)
[<i>margaritatum</i> : Hernández, Shelley, Luna Dias & Maia-Herzog, 2007, not Pepinelli, Hamada & Luz]	
subnigrum Lutz, 1910	Brazil (Rio de Janeiro, Amz, Bahia, BFD, Ceará, ES, Goiás, MG, MGr, MGrS, Par, RGS, Ron, Ror, SC, SP);
<i>diversifurcatum</i> Lutz, 1910 [Brazil (São Paulo)]	
<i>subclavibranchium</i> Lutz, 1910 [Brazil (Rondônia)]	
<i>nogueirai</i> d'Andretta & Dolores 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)]	

- leopoldense* Strieder, 1998 (thesis) (unav., *nomen nudum*)
leopoldense (Strieder & Py-Daniel, 2000) [Brazil (Rio Grande do Sul)]
noguerai: incorrect subsequent spelling
- travassosi** d'Andretta & d'Andretta, 1947 Brazil (Rio de Janeiro, ES, Goiás, MG, Par, RGS, SC, SP); Argentina (Mis)
botulibranchium: Pinto, 1932 [1931], not Lutz]
- ‘1’ Landeiro, Pepinelli & Hamada, 2009 Brazil (Bahía)
‘2’ Landeiro, Pepinelli & Hamada, 2009 Brazil (Bahía)

INCRUSTATUM species-group

- guaporense** Py-Daniel, 1989 Brazil (Rondônia, MGr)
siolii: Py-Daniel, 1988 (part)]
- incrustatum** Lutz, 1910 (complex) Brazil (Minas Gerais, Amapá, Bahía, 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.
aequifurcatum Lutz, 1910 [Brazil (? state)]
angrense Pinto, 1932 [1931] [Brazil (Rio de Janeiro)]
opalinifrons (Enderlein, 1934) [Paraguay]
yarzabali Ramírez-Pérez, 1980 [Venezuela]
[‘Guyana’ error]
- jujuyense** Paterson & Shannon, 1927 Argentina (Jujuy, BA, Chaco, Cór, Cos, ER, For, LP, LR, Men, Mis, RN, Salta, SF, SJ, Tuc); Bolivia, Brazil (Bahía, BFD, ES, Goiás, MG, MGr, MGrS, Par, RGS, RJ, SC, SP, Toc), Colombia, Ecuador, Paraguay, Uruguay
exiguum Lutz, 1909 (preocc.)
minutum Surcouf & Gonzalez-Rincones, 1911 (subst. name, preocc., for *exiguum*)]
lutzi Knab, 1913 (subst. name, for *exiguum*) [Brazil (São Paulo)]
lutzi Malloch, 1914 (subst. name, preocc., for *minutum*)
auripellitum Enderlein, 1934 [1933] [Paraguay]
mendozanum (Enderlein, 1936) [Argentina (Mendoza)]
guttatum (Enderlein, 1936) [Paraguay]
bonaerense Coscarón & Wygodzinsky, 1984 [Argentina (Buenos Aires)]
minuanum Strieder & Coscarón, 2000 [Brazil (Rio Grande do Sul)]
clavigerum Amaral-Calvão & Maia-Herzog, 2003 (unav., *nomen nudum*)
jujugense, *jujuvense*: incorrect subsequent spellings
- limbatum** Knab, 1915 Guyana; Brazil (Amapá, Bahía, ES, MGr, Pará, Pba, Per, RJ, Ror, SC, SP), Venezuela
machadoi Ramírez-Pérez, 1971 (preocc.) [Venezuela]
meruoca Nunes de Mello, Barbosa de Almeida & Dellome Filho, 1973 [Brazil (Roraima)]
machadoallisoni Vulcano, 1981 (subst. name)
[*aequifurcatum*: Coscarón & Wygodzinsky, 1984 / Coscarón, 1987, 1991 / Coscarón *et al.*, 1992, not Lutz]
[*incrustatum*: authors (Guyana), not Lutz]
- minusculum** Lutz, 1910 Brazil (Minas Gerais, Amz, Bahía, Goiás, Mar, MGr, Pará, Piauí, RGS, Ron, Ror, SC, SP, Toc); Argentina (Cos, Jujuy, Mis, Salta), Guyana, Venezuela
‘D’ Tidwell *et al.*, 1981 (morphoform)
[*amazonicum*: Lutz, 1917, not Goeldi]

QUADRIFIDUM species-group

- cauchense** Floch & Abonnenc, 1946 French Guiana; Brazil (Amapá, Amz, Pará, Ror), Guyana, Suriname, Venezuela
sextobecium Nunes de Mello, 1974 [Brazil (Roraima)]
rangeli Ramírez-Pérez, Rassi & Ramírez, 1977 [Venezuela]
‘4-A2’ Dellome Filho, 1978 (thesis) (*Simulium*, part)
- cerradense** Coscarón, Cerqueira, Schumaker & La Salvia, 1992 Brazil (Bahía)
‘A’ Coscarón, 1991 (*Simulium* (*Coscaroniellum*) sp.)
- daltanhani** Hamada & Adler, 1998 Brazil (Amazonas)
‘C’ Hamada, 1997 (thesis) (*Simulium*)
- goeldii** Cerqueira & Nunes de Mello, 1967 Brazil (Amazonas, Amapá, Pará, Ron, Ror); French Guiana, Venezuela
scorzaei Ramírez-Pérez, 1980 [Venezuela]
‘8-C1’ Dellome Filho, 1978 (thesis) (*Simulium*)
goeldi: incorrect subsequent spelling
- quadrifidum** Lutz, 1917 Brazil (Acre, Rondônia, Amapá, Amz, Pará, Ron, Ror);

<i>rassii</i> Ramírez-Pérez, 1980 [Venezuela]	Bolivia, Colombia, Ecuador, French Guiana, Guyana,
<i>torrealbai</i> Ramírez-Pérez, 1980 [Venezuela]	Suriname, Venezuela
<i>rassi</i> , <i>rasii</i> : incorrect subsequent spellings	
<i>cuadrifidum</i> : incorrect subsequent spelling	
ulyssesi (Py-Daniel & Coscarón, 2001)	Brazil (Amazonas)
‘6-B1’ Dellome Filho, 1978 (thesis) (<i>Simulium</i>)	
‘A’ Hamada, 1997 (thesis) (<i>Simulium</i>)	Brazil (Amazonas)

QUADRIVITTATUM species-group

quadrivittatum 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>fairchild</i> : incorrect subsequent spelling	
<i>quadrivittatum</i> , <i>quadrivittatum</i> : incorrect subsequent spellings	
[<i>haematopotum</i> : Fairchild, 1940, not Malloch]	
[<i>metallicum</i> : Malloch, 1914, not Bellardi]	

Psaroniocompsa species unplaced to group

catarinense Pinto, 1932 [1931]	Brazil (Santa Catarina)
fuliginis Field, 1969	Panama
lurybayae Smart, 1944 (subst. name)	Bolivia
<i>angustifrons</i> (Enderlein, 1934) [1933] (preocc.)	
<i>luribayae</i> : incorrect subsequent spelling	
parimaense Ramírez-Pérez, Yarzabal, Takaoka, Tada & Ramírez, 1987 [1986]	Venezuela

Subgenus **PSILOPELMIA** Enderlein

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

BICOLORATUM species-group

antonii Wygodzinsky, 1953	Bolivia
arcabucense Coscarón, 1990	Colombia
bicoloratum Malloch, 1912	Peru (Lima, Cuzco, Huá); Bolivia, Colombia, Ecuador,
<i>gaudeatum</i> Knab, 1914 [Peru (‘Verrugas Canyon’)]	Venezuela. [‘USA (NY)’ error]
<i>macca</i> (Enderlein, 1934) [Peru (Cuzco)]	
<i>macca</i> (Enderlein, 1934) [1933] (preocc.) [Peru (? state)]	
<i>molli</i> Vargas, 1943 (subst. name)	
bicornutum Wygodzinsky & Coscarón, 1982	Colombia
blancasi Wygodzinsky & Coscarón, 1970	Peru (Lima); Chile (Ant, Tar)
callidum (Dyar & Shannon, 1927)	Mexico (Veracruz, Ch, Co, Gu, Hi, Ju, Mi, Mo, MS,
<i>mooseri</i> (Dampf, 1927) [Mexico (Oaxaca)]	Ox, Pu, SLP); Belize, Costa Rica, El Salvador,
<i>rufidorsum</i> (Enderlein, 1936) (preocc.) [Costa Rica]	Guatemala, Panama, Colombia (?), Venezuela (?)
<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]	
cormonsi Wygodzinsky, 1971	Venezuela
flavipictum Knab, 1914	Peru (‘Rio Charape’)
<i>flavipictum</i> : incorrect subsequent spelling	
furcillatum Wygodzinsky & Coscarón, 1982	Colombia
ignescens Roubaud, 1906	Ecuador; Bolivia, Colombia, Peru (Cuzco), Venezuela

‘A’ Duque, 1980 (thesis) (cytoform)	Colombia
‘B’ Duque, 1980 (thesis) (cytoform)	Colombia
<i>dignescens, igniscens</i> : incorrect subsequent spellings	
jaimeramirezi Wygodzinsky, 1971	Venezuela; Ecuador
oviedoi Ramírez-Pérez, 1971*	Venezuela
pautense Coscarón & Takaoka, 1989	Ecuador
penai Wygodzinsky & Coscarón, 1970	Chile (Antofagasta, Tar)
pifanoi Ramírez-Pérez, 1971	Venezuela; Colombia
pseudocallidum Díaz Nájera, 1965	Mexico (Mexico State, Ch, Ox); Costa Rica
rivasi Ramírez-Pérez, 1971*	Venezuela
<i>ribai, ribasi, rivai</i> : incorrect original spellings	
roquemayu Coscarón, 1985	Bolivia
rubiginosum (Enderlein, 1934) [1933]	Bolivia; Argentina (BA, Jujuy, Men, Salta, SJ, Tuc), Peru
[<i>ignescens</i> : Wygodzinsky, 1951 (part), 1953 / Coscarón & Wygodzinsky, 1960, not Roubaud]	
tenuipes Knab, 1914	Chile (Tarapacá, Ant); Peru (Tacna)
tolimaense Coscarón, 1985 (subst. name)	Colombia
<i>simplex</i> Wygodzinsky & Coscarón, 1982 (preocc.)	
travisi Vargas, Vargas & Ramírez-Pérez, 1993	Costa Rica
tunja Coscarón, 1990	Colombia
‘C’ Duque, Muñoz de Hoyos & Rothfels, 1988 (<i>Simulium</i> sp.)	
‘A’ Lewis & Lee-Potter, 1964 (<i>Simulium</i> sp.)	Colombia
‘B’ Lewis & Lee-Potter, 1964 (<i>Simulium</i> sp.)	Colombia

DINELLII species-group

bobpetersoni 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]	
dandrettai 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.)*	
dinelli (Joan, 1912)	Argentina (Tucumán, Cat, Jujuy, LR, Salta, SDE);
<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>ochraceum</i> : Lane & Porto, 1939 / Lane & Vulcano, 1943, not Walker]	
downsi Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Chiapas, Ox); El Salvador, Guatemala, Nicaragua, Venezuela
[<i>ochraceum</i> : Hoffmann, 1931, not Walker]	
gonzalezherrejni 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	
labellei Peterson, 1993	USA (Texas); Mexico [no locality]
longithallum Díaz Nájera & Vulcano, 1962 [1961]	Mexico (Morelos, Ja); USA (Ari)
mangabeirai Vargas, 1945	Mexico (Mexico State, FD, Mi, Mo, Vz); Panama
meyerae Moulton & Adler, 2002	USA (New Mexico)
nuneztovari Ramírez-Pérez, Rassi & Ramírez, 1977	Venezuela
ochraceum 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
<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>pseudoeantillarum</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)
<i>ochraceum, ocraccum, onchraceum</i> : incorrect subsequent spellings	
robynae Peterson, 1993	USA (Texas, NM)
‘1’ Jones, Hayes, Potter & Francy, 1977 (<i>Simulium</i> sp.)	
[<i>notatum</i> (part): authors, not Adams]	
shewellianum Coscarón, 1985	Ecuador; Brazil (SP), Colombia
trivittatum 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)]	
venator 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]	
veracruzianum Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Veracruz, Ca, Ch, Cl, Du, Ja, Mi, Mo, MS, Na, Ox); Belize, Guatemala
<i>veracruzianum</i> : incorrect subsequent spelling	
zempoalense Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Morelos, Du, MS, Ox, Vz)
<i>zenpoalense</i> : incorrect subsequent spelling	

PERFLAVUM species-group

ignacioi Ramírez-Pérez & Vulcano, 1973****	Venezuela
kabanayense Ramírez-Pérez & Vulcano, 1973.....	Venezuela; Guyana
<i>kavanayense</i> : incorrect subsequent spelling	
maroniense Floch & Abonnenc, 1946 (complex)	French Guiana; Brazil (Amapá, Amz, MGr, Pará, Ror), Guyana, Venezuela
<i>wuyaraka</i> Ortiz, 1957 [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]	
perflavum Roubaud, 1906	Brazil (São Paulo, Acre, Amapá, Amz, Bahía, Ceará, ES, Goiás, MG, MGr, MGrS, Par, Pará, Per, RGS, RJ, Ron, Ror, SC); Argentina (Cos, For, Mís), Guyana, Paraguay, Venezuela
<i>varians</i> Lutz, 1909 [Brazil (São Paulo)]	
<i>antunesi</i> Lane & Porto, 1940 [Brazil (Bahía)]	
<i>mauense</i> Nunes de Mello, 1974 [Brazil (Roraima)]	
<i>antunesi</i> : incorrect subsequent spelling	
rorotaense Floch & Abonnenc, 1946	French Guiana; Brazil (Amapá, Amz, MGr, Pará), Colombia, 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	
suarezi Ramírez-Pérez, Rassi & Ramírez, 1977	Venezuela; Brazil (Amz, Ror)
trombetense 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.)	

ROMANAI species-group

albanense Coscarón, 1990	Colombia
anaimense Coscarón & Muñoz de Hoyos, 1995	Colombia
bivittatum 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)	
clarum (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]	
dugesi Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Tamaulipas, NL, SLP); Guatemala

<i>dugessi</i> : incorrect subsequent spelling	
escomeli Roubaud, 1909	Peru (Arequipa, Anc, Lima, Tacna); Chile (Tar), Colombia, Ecuador
<i>rufidorsum</i> (Enderlein, 1934) [1933] [Peru ('Hoch-Peru')]	
<i>rufiduorsum</i> : incorrect subsequent spelling	
[<i>samboni</i> : Dampf, 1943, not Jennings]	
gabaldoni Ramírez-Pérez, 1971	Venezuela; Colombia
'B' Lewis, 1963 (<i>Simulium</i> sp.)	
griseum 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	
haematopotum 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]	
iracouboense 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]	
jacobsi Dalmat, 1953	Guatemala
lutzianum Pinto, 1932 [1931] (complex)	Venezuela; Argentina (Mis), Bolivia, Brazil (Amz, ES, Goiás, Par, RGS, Ror, SC, SP), 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
mayuchuspi Coscarón, 1990	Peru (Junín); Ecuador
mediovittatum Knab, 1915	USA (Texas); Mexico (Ca, Cl, SLP, Ta, Vz)
<i>meddiiovittatum</i> : incorrect subsequent spelling	
notatum Adams, 1904	USA (Arizona). [Other state records error]
ochoai Vargas, Martínez Palacios & Díaz Nájera, 1946	Mexico (Veracruz)
panamense Fairchild, 1940	Panama; Costa Rica
romanai Wygodzinsky, 1951 (complex)	Argentina (Tucumán, Cat, Cór, Jujuy, LR, Salta, SJ); Bolivia, Colombia, Ecuador, Peru (Junín), Venezuela
<i>adolfolutzi</i> Wygodzinsky, 1951 [Argentina (Tucumán)]	
'A' Moreno-R., 1997 (thesis) (cytoform)	Colombia
'B' Moreno-R., 1997 (thesis) (cytoform)	Argentina
samboni Jennings, 1915	Panama; Belize, Colombia, Costa Rica, El Salvador, Guatemala, Honduras, Mexico (Ch, Ox, Tb, Vz), Nicaragua, Trinidad, Venezuela
<i>colvini</i> Dalmat, 1952 [Guatemala]	
'E' Lewis, 1963 (<i>Simulium</i> sp.)	
wolffhuegeli (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

argus 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]	
enciso Vargas & Díaz Nájera, 1949	Mexico (Hidalgo, Mi); USA (Ari, Cal, Idaho, Nev, NM, Texas)
infernale Adler, Currie & Wood, 2004	USA (California)
tribulatum 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 Forbes</i>] [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	
vittatum 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>dahlgrumi</i> : Rubtsov & Yankovsky, 1988, not Enderlein]	

Subgenus PTERNASPETHA Enderlein

- PTERNASPETHA** 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

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

NIGRISTRIGATUM species-group

cotopaxi Wygodzinsky & Coscarón, 1979	Ecuador
<i>colopaxi</i> : incorrect subsequent spelling	
deagostinii Coscarón & Wygodzinsky, 1962	Argentina (Tierra del Fuego, Chu, SC)

diamantinum Coscarón & Coscarón-Arias, 1996	Argentina (Mendoza, Nqn, SJ)
dureti Wygodzinsky & Coscarón, 1967	Argentina (Salta, Jujuy); Bolivia
horcochuspi Coscarón & Wygodzinsky, 1972	Argentina (Jujuy)
<i>horcochuspi</i> : incorrect original spelling (alternative)	
limay Wygodzinsky, 1958	Argentina (Neuquén, Chu, Men, RN, SC, SJ)
<i>walterwittmeri</i> Wygodzinsky, 1958 [Argentina (Neuquén)]	
<i>huemul</i> Wygodzinsky & Coscarón, 1967 [Argentina (Chubut)]	
nigristrigatum (Enderlein, 1930)	Argentina (Neuquén, BA, Chu, Men, RN, TDF); Chile
<i>edwardsi</i> (Enderlein, 1934) [1933] [Argentina (Rio Negro)]	
<i>bachmanni</i> Wygodzinsky & Coscarón, 1967 [Argentina (Rio Negro)]	
pichi Wygodzinsky & Coscarón, 1967	Argentina (Santa Cruz, Chu)
pulchrum Philippi, 1865	Chile (Santiago, Ara, BB, Maule, O'H, Val)
simile 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]	
strigidorsum (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)

knidirii Giudicelli & Thiery, 1985	Morocco
lamachi Doby & David, 1960	France; Germany, Morocco, Spain
<i>lamachei</i> Beaucournu-Saguez, 1972 (unnecessary emendation)	
paraloutetense 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)
<i>brachyartra</i> , <i>brachyathra</i> : incorrect subsequent spellings	
flavoantennatum Rubtsov, 1940	China (Xinjiang)
<i>favoantennatum</i> : incorrect subsequent spelling	
furculatum Shewell, 1952	Canada (Manitoba, Alb, Lab, Nfld, Nun, NWT, Ont, Que, Sask, Yukon); USA (Alaska, Maine)
'B' Twinn, Hocking, McDuffie & Cross, 1948 (<i>Eusimulium</i> sp.)	
giganteum Rubtsov, 1940	Siberia (WS); Canada (Nun), Russia (NR)
<i>gigiantea</i> : incorrect subsequent spelling	
ivashchenkoi (Yankovsky, 1996) (subst. name)	Russia (Ivanovo CR)
<i>chelevini</i> (Ivashchenko, 1978) (preocc.)	
ivdelense (Yankovsky, 2000)	Siberia (Sverdlovskaya WS)
nigrum (Meigen, 1804)	Germany; Belarus, Lithuania, Poland, Romania, Russia
<i>matthiesseni</i> (Enderlein, 1921 [April]) (available) [Russia (Volgograd)] (CR, SR), Ukraine, Uzbekistan	
<i>peetsi</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	
<i>peetsi</i> (Enderlein, 1921 [June]) (available) [Germany]	
<i>behningi</i> Enderlein, 1926 [Russia (Saratovskaya)]	
<i>opalinipenne</i> (Enderlein, 1936) [Germany]	
<i>mathiesseni</i> , <i>matthiesseni</i> , <i>matthissoni</i> : 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, Lithuania, Mongolia, Norway, Poland, Russia (CR, KM), Siberia (ES, FE, WS), Sweden, Ukraine
<i>pygmaea</i> Zetterstedt, 1837 (unav., <i>nomen nudum</i>)	
<i>pygmaeum</i> Zetterstedt, 1838 [Sweden]	
<i>arcticum</i> (Enderlein, 1936) (preocc.) [Norway]	
<i>fridolini</i> Rubtsov, 1939 (unav., <i>nomen nudum</i>)	
<i>fridolini</i> Rubtsov, 1940 [Russia ('northern Urals')]	
<i>roevdeae</i> Smart, 1944 (subst. name)	
<i>pussilla</i> : incorrect subsequent spelling	
<i>pugmaeum</i> , <i>pygmeum</i> : incorrect subsequent spellings	
<i>rövdæe</i> : incorrect subsequent spelling	
raastadi (Usova & Reva, 2000)	Ukraine
rangiferinum (Rubtsov, 1956)	Russia (Archangel NR); Siberia (ES, WS)
<i>rangigerina</i> : incorrect subsequent spelling	
rubzovium (Ivashchenko, 1978)	Russia (Ivanovo CR)
samarkandicum (Yankovsky, 2000)	Uzbekistan
subpusillum Rubtsov, 1940†	Siberia (Irkutskaya ES [neotype]); Canada (Nun, NWT), Finland, Russia (CR, NR), Sweden, USA (Alaska)
'2' Malloch, 1919 (<i>Simulium</i> sp.)	
'near <i>subpusillum</i> ' Smith, 1970 (thesis) (<i>Simulium</i> sp.)	
'near <i>subpusillum</i> (#2)' Smith, 1970 (thesis) (<i>Simulium</i> sp.)	
<i>subpusills</i> , <i>subpysilla</i> : incorrect subsequent spellings	
[<i>annulitarse</i> : Carlsson, 1962 / Carlsson <i>et al.</i> , 1977 / Jensen, 1997, not Zetterstedt]	
[<i>pusillum</i> : Puri, 1926 / Bodrova, 1977, not Fries]	
suchomlinae (Usova & Reva, 1995)	Ukraine
tibiale (Tan & Chow, 1976) [<i>in Lee, Tan, Zhou & Wang</i>] (secondary homonym of <i>tibiale</i> Macquart, 1834, but no available subst. name)	China (Beijing)
<i>tibilis</i> : incorrect subsequent spelling	
transbaikalicum Rubtsov, 1940	Siberia (Buryatskaya ES)
<i>transbaicalicum</i> : incorrect subsequent spelling	
tsharae (Yankovsky, 1982)	Siberia (Chitinskaya ES)
tshernovskii (Rubtsov, 1956)	Siberia (Baikal ES, WS)
<i>chernovskii</i> : incorrect subsequent spelling	
zinaidae Crosskey, 1997 [<i>in Crosskey & Howard</i>] (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.

- SIMULIUM** Latreille, 1802 (as genus). Type species: *colombaschense* (original designation)
- ODAGMIA* Enderlein, 1921 (as genus). Type species: *ornatum* (original designation)
- FRIESIA* Enderlein, 1922 (as genus) (preocc.). Type species: *bezzii*, as *tristrigata* (original designation)
- DISCOSPHYRIA* Enderlein, 1922 (as genus). Type species: *trifasciatum*, as *odagmiina* (original designation)
- GYNONYCHODON* Enderlein, 1925 (as genus). Type species: *nobile* (original designation)
- PSEUDODAGMIA* Baranov, 1926 (as subgenus of *Odagnia*). Type species: *variegatum* (original designation)
- DANUBIOSIMULIUM* Baranov, 1935 (as subgenus of *Simulium*). Type species: *colombaschense*, as *columbaczensis* (monotypy)
- CLEITOSIMULIUM* Séguéy & Dorier, 1936 (as subgenus of *Simulium*). Type species: *argenteostriatum*, as *rupicolum* (original designation)
- GNUS* Rubtsov, 1940 (as subgenus of *Simulium*). Type species: *decimatum* (original designation)
- TETISIMULIUM* Rubtsov, 1960 (unav. under Code Article 13(a)(iii)), not expressly proposed as subst. name for *Friesia* Enderlein)
- TETISIMULIUM* Rubtsov, 1963 (as genus). Type species: *bezzii* (original designation)
- PARABYSSODON* Rubtsov, 1964 (as genus). Type species: *transiens* (original designation)
- PHOSTERODOROS* Stone & Snoddy, 1969 (as subgenus of *Simulium*). Type species: *jenningsi* (original designation)
- PHORETODAGMIA* Rubtsov, 1972 (as genus). Type species: *ephemerophilum* (original designation)

HIMALAYUM Lewis, 1973 (as subgenus of *Simulium*). Type species: *indicum* (original designation)
PARAGNUS Rubtsov & Yankovsky, 1982 (as genus). Type species: *bukovskii* (original designation)
ARCHESIMULIUM Rubtsov & Yankovsky, 1982 (as subgenus of *Simulium* s. str.). Type species: *tuberosum* (original designation)
ARGENTISIMULIUM Rubtsov & Yankovsky, 1982 (as subgenus of *Simulium* s. str.). Type species: *noelleri* (original designation)
STRIATOSIMULIUM Rubtsov & Yankovsky, 1982 (as subgenus of *Simulium* s. str.). Type species: *japonicum* (original designation)
FORETODAGMIA: incorrect subsequent spelling (Rubtsov, 1974)
TETRASIMULIUM: incorrect subsequent spelling (Zoological Record, 2009)****

ARGENTIPES species-group

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

ARGENTEOSTRIATUM species-group

argenteostriatum 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>rupiculum</i> Séguy & Dorier, 1936 [France]	
<i>simici</i> Zivkovitch, 1959 [Serbia]	
<i>argenteostriatum</i> : incorrect subsequent spelling	
<i>rupiculum</i> : incorrect subsequent spelling	
aureofulgens Terteryan, 1949	Armenia; Azerbaijan, Turkey
hispaniola 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	
tjanshanicum Rubtsov, 1963	Kyrgyzstan
<i>tjanschanicum</i> : incorrect original spelling (alternative)	

BEZZII species-group

alajense 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]	
bezzii (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
<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]	[Yankovsky, 2003 [2002] treats <i>crinitum</i> as valid sp.]

<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]	
coarctatum Rubtsov, 1940	China (Xinjiang); Iran, Kazakhstan, Mongolia, Tajikistan, Uzbekistan
<i>coactatum</i> : incorrect subsequent spelling	
desertorum Rubtsov, 1938	China (Xinjiang, Jilin, Tibet); Bulgaria, Kazakhstan, Kyrgyzstan, Pakistan, Siberia (WS), Tajikistan, Turkmenistan
hiemale (Rubtsov, 1956)	Azerbaijan; Uzbekistan. ['China' error]
<i>hilmalis</i> : incorrect subsequent spelling	
iranicum (Yankovsky, 2010)	Iran
kerisorum (Rubtsov, 1956)	Azerbaijan; Bulgaria, Kyrgyzstan, Turkey
kozlovi Rubtsov, 1940	China (Qinghai); Azerbaijan, Kyrgyzstan, Mongolia, Tajikistan, Uzbekistan
latimentum (Rubtsov, 1956)	Kyrgyzstan; Mongolia, Siberia (WS), Romania (?)
longgengen Sun, 1994	China (Liaoning)
<i>longgengen</i> Sun, 1992 (unav., not formally publ.)	
stevensoni Edwards, 1927	Pakistan; India (Kashmir)
tachengense An & Mahe, 1994	China (Xinjiang)
wutaishanense An & Yan, 2003	China (Shanxi)
xiaodaoense Lin, Shi & An, 2004	China (Qinghai)
'2' Saito, Uemoto & Afzal, 1989 (<i>Simulium</i> sp.)	Pakistan

BIMACULATUM species-group

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

BUKOVSKII species-group

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

CRASSIFILUM species-group

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

EPHEMEROPHILUM species-group

dubitskii (Yankovsky, 1996) (subst. name)	Kyrgyzstan
<i>alajense</i> (Rubtsov, 1972) (preocc.)	
ephemerophilum Rubtsov, 1947	Tajikistan; India (HP), Kyrgyzstan, Pakistan (Swat), Uzbekistan
<i>obikumbense</i> (Rubtsov, 1972) [Tajikistan]	
<i>ephemerophila</i> , <i>ephemerofila</i> , <i>epheremophila</i> : incorrect subsequent spellings	

<i>obicumbensis</i> : 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. <i>eximium</i> ’ Takaoka <i>et al.</i> , 2000 (<i>Simulium</i> sp.)	
thienemanni Edwards, 1934	Indonesia (Java)
upikae Takaoka & Davies, 1996	Indonesia (Java, Flores)
<i>upikae</i> Takaoka & Davies, 1995 (unav., <i>nomen nudum</i>)	

GRISEIFRONS species-group

biforamiferum Datta, 1974	India (West Bengal); Bhutan
choochotei Takaoka, 2002 [<i>in</i> Takaoka & Choochote]	Thailand
chungi Takaoka & Huang, 2006	Taiwan
crocinum Takaoka & Choochote, 2004	Thailand
‘J’ Kuvangkadilok, Boonkemtong & Phayusasena, 1999 (<i>Simulium</i> sp.)	
digrammicum Edwards, 1928	Malaysia (Malaya); Thailand
[<i>griseifrons</i> : Puri, 1932 / Crosskey, 1973, 1988, not Brunetti]	
ephippoidum Chen & Wen, 1999	China (Guizhou, Hubei)
<i>ephippoidum</i> : incorrect subsequent spelling	
graveleyi Puri, 1933	India (Tamil Nadu); China (Tibet)
<i>graveleyi</i> : incorrect subsequent spelling	
griseifrons Brunetti, 1911	India (Uttar Pradesh, HP, Kashmir); China (Tibet), Pakistan. [‘Malaya’, ‘Thailand’ errors]
<i>griseifrons</i> , <i>griseifrons</i> , <i>griseifrons</i> : incorrect subsequent spellings	
grossifilum Takaoka & Davies, 1995	Malaysia (Malaya); Thailand
hengshanense Bi & Chen, 2004	China (Hunan, Hubei)
hongpingense Chen, Luo & Yang, 2007	China (Hubei)
horokaense Ono, 1980	Japan (Hokkaido)
indicum Becher, 1885 [1884]	India (Assam, ArP, HP, Kr, Ma, Me, Na, Sik, UP, WB); Afghanistan, Bangladesh, Bhutan, Burma, China (Tibet), Nepal, Pakistan (Kashmir). [Himalayan mountain range distribution]
<i>kashmiricum</i> Edwards, 1927 [Pakistan]	
japonicum Matsumura, 1931	Japan (Hokkaido incl. Rebun and Rishiri Islands, Hon, Ky, NI, Sh); China (Fu, Jilin, Li, Tibet), Korea (South), Siberia (FE incl. Kurile Islands and Sakhalin)
<i>annulipes</i> Shiraki, 1935 (preocc.) [Japan (Hokkaido)]	
<i>oshimanum</i> Shiraki, 1935 [Japan (Nansei Islands)]	
<i>kurilense</i> Rubtsov, 1956 [Siberia (Kurile Islands)]	
‘Yama-buyu’ Kani, 1944	
<i>japonicum</i> , <i>japoincum</i> , <i>japonieum</i> : incorrect subsequent spellings	
[<i>colobatzensis</i> [<i>sic</i>]: Matsumura, 1915, not Schoenbauer]	
kawamurae Matsumura, 1915	Japan (Kyushu, Hon, Sh); China (Hubei)
‘Kutsugata-buyu’ Kani, 1944	
ledongense Yang & Chen, 2001	China (Hainan)
lushanense Chen, Kang & Zhang, 2007	China (Jiangxi)
maenoi Takaoka & Choochote, 2002	Thailand
mediaxisus An, Guo & Xu, 1995	China (Tibet)
mediocoloratum Takaoka & Choochote, 2004	Thailand
nigrogilvum Summers, 1911	Thailand; Vietnam
<i>nigrogilvum</i> : incorrect subsequent spelling	
pallidofemur Deng, Zhang, Xue & Chen, 1994	China (Tibet)
<i>pallidofemur</i> : incorrect subsequent spelling	
parawaterfallum Zhang, Yang & Chen, 2003	China (Hainan)
<i>parafullum</i> : incorrect subsequent spelling	
phayaoense Takaoka & Choochote, 2005	Thailand

phukaense Takaoka & Choochote, 2005	Thailand
pukaengense Takaoka & Choochote, 2005	Thailand
qini Cao, Wang & Chen, 1993	China (Sichuan)
ramulosum Chen, 2000	China (Guizhou)
rudnicki Takaoka & Davies, 1995	Malaysia (Malaya); Thailand
serenum Huang & Takaoka, 2009	Taiwan
shangchuanense An & Hao, 1998 [<i>in</i> An, Hao & Yan]	China (Guangdong: Shangchuan Island)
shennongjiaense Yan, Luo & Chen, 2005	China (Hubei)
spoonatum An & Yan, 1998 [<i>in</i> An, Hao & Yan]	China (Guangdong: Shangchuan Island)
suchariti Takaoka & Choochote, 2004	Thailand
taipokauense Takaoka, Davies & Dudgeon, 1995	China (Hong Kong)
<i>taipotauense</i> : incorrect subsequent spelling	
tenuatum Chen, 2000	China (Guizhou)
tenuitarsus Puri, 1933	India (West Bengal)
<i>tenuitarsis</i> : incorrect subsequent spelling	
thongsahuanii Takaoka & Choochote, 2010 [<i>in</i> Takaoka, Otsuka, Choochote & Thongsahuan]	Thailand
titarensis Takaoka & Shrestha, 2010	Nepal
ufengense Takaoka, 1979	Taiwan; China (Sg)
vanellum Huang, Phasuk, Chanpaisaeng & Adler, 2010	Thailand
visuti Takaoka & Choochote, 2006	Thailand
waterfallum Zhang, Yang & Chen, 2003	China (Hainan)
<i>fullum</i> : incorrect subsequent spelling	
wulingense Zhang & Chen, 2000	China (Guizhou)
<i>welingense</i> : incorrect subsequent spelling	
yadongense Deng & Chen, 1993	China (Tibet)
<i>yodongense</i> : incorrect subsequent spelling	
yongi Takaoka & Davies, 1997	Malaysia (Malaya); Thailand
[<i>pahangense</i> : Takaoka & Davies, 1995 (part)]	

JENNINGSI species-group

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

‘58’ Simpson <i>et al.</i> , 1956 / Snoddy, 1966 (thesis) (<i>Simulium</i> sp.) [<i>jenningsi</i> : Lake, 1983, not Malloch]	Texas, Vir)
krebsorum Moulton & Adler, 1992	USA (South Carolina, NC)
[<i>haysi</i> : authors (South Carolina), not Stone & Snoddy]	
lakei 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, Currie & Wood, 2004 for misidentifications]	
luggeri 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]	
notiale 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>notialiae</i> : incorrect subsequent spelling	
nyssa 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.)	
ozarkense Moulton & Adler, 1995	USA (Missouri, Ark, Ken, Okl, Texas)
penobscotense 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]	
podostemi Snoddy, 1971	USA (Mississippi [neotype], Ark, Geo, NC, Pen, SC)
remissum Moulton & Adler, 1995	USA (North Carolina)
snowi Stone & Snoddy, 1969	USA (Alabama, Ten)
‘16’ Snow, Pickard & Jones, 1958 / Snoddy, 1966 (thesis) (<i>Simulium</i> sp.)	
taxodium Snoddy & Beshear, 1968	USA (Georgia, Ala, Flo, NC, SC)

MALYSCHEVI species-group

acontum Chen, Zhang & Huang, 2005	China (Sichuan)
acrotrichum Rubtsov, 1956	Uzbekistan; Kazakhstan, Mongolia, Siberia (ES, WS)
[<i>flavidum</i> : Rubtsov, 1951 (part)]	
apricarium Adler, Currie & Wood, 2004	USA (Wyoming, Ari, Cal, Col, Idaho, Mon, Neb, NM, Utah)
[<i>arcticum</i> : authors (Nebraska), not Malloch]	
arcticum Malloch, 1914 (complex)*	Canada (British Columbia, Alb, Sask); USA (Idaho, Mon, Wyo)
‘IIL-3’ Shields & Proconier, 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)
‘IIL-57, 58’ Conflitti, Kratochvil, Spironello, Shields & Currie, 2010 (attrib. Adler, Currie & Wood)	
‘3’ Adler, Currie & Wood, 2004 (cytoform)	USA (Mon)
‘IIL-13’ Shields, 2010 [<i>in</i> Conflitti, Kratochvil, Spironello, Shields & Currie] (cytoform)	
‘4’ Adler, Currie & Wood, 2004 (cytoform)	USA (Idaho, Mon)
‘IIL-9’ Shields, Pickens, Clausen & Strizich, 2007 (cytoform)	
‘IIL-19’ Shields, Pickens, Clausen & Strizich, 2007 (cytoform)	
‘IIL-9, 20’ Conflitti, Kratochvil, Spironello, Shields & Currie, 2010 (cytoform)	
‘5’ Adler, Currie & Wood, 2004 (cytoform)	USA (Mon)
‘IIL-10’ Shields, Pickens, Clausen & Strizich, 2007 (cytoform)	

'6' Adler, Currie & Wood, 2004 (cytoform)	Canada (NWT)
'IIL-14' Conflitti, Kratochvil, Spironello, Shields & Currie, 2010	
'7' Adler, Currie & Wood, 2004 (cytoform)	USA (Mon)
'IIL-15' Shields, 2010 [<i>in</i> Conflitti, Kratochvil, Spironello, Shields & Currie] (cytoform)	
'8' Adler, Currie & Wood, 2004 (cytoform)	Canada (BC[?], NWT)
'IIL-16' Conflitti, Kratochvil, Spironello, Shields & Currie, 2010	
'9' Adler, Currie & Wood, 2004 (cytoform)	USA (Mon)
'IIL-17' Shields, 2010 [<i>in</i> Conflitti, Kratochvil, Spironello, Shields & Currie] (cytoform)	
'10' Adler, Currie & Wood, 2004 (cytoform)	Canada (Nun, NWT), USA (Cal, Ore)
'IIL-12' Conflitti, Kratochvil, Spironello, Shields & Currie, 2010	
'IIL-6' Shields, 2010 [<i>in</i> Conflitti, Kratochvil, Spironello, Shields & Currie] (cytoform)	USA (Mon)
'IIL-18' Shields, Clausen, Marchion, Michel, Styren, Riggan, Santoro & Strizich, 2007 [2006] (cytoform)	USA (Mon)
'IIL-21' Shields, 2010 [<i>in</i> Conflitti, Kratochvil, Spironello, Shields & Currie] (cytoform)	USA (Mon)
'IIL-49, 50, 51, 52' Shields, 2010 [<i>in</i> Conflitti, Kratochvil, Spironello, Shields & Currie] (cytoform)	USA (Mon)
'IIL-55' Shields, 2010 [<i>in</i> Conflitti, Kratochvil, Spironello, Shields & Currie] (cytoform)	USA (Mon)
'IIL-68' Shields, 2010 [<i>in</i> Conflitti, Kratochvil, Spironello, Shields & Currie] (cytoform)	USA (Mon)
'IIL-73, 74' Shields, 2010 [<i>in</i> Conflitti, Kratochvil, Spironello, Shields & Currie] (cytoform)	USA (Mon)
'IIL-84' Shields, 2010 [<i>in</i> Conflitti, Kratochvil, Spironello, Shields & Currie] (cytoform)	USA (Mon)
'IIL-85' Shields, 2010 [<i>in</i> Conflitti, Kratochvil, Spironello, Shields & Currie] (cytoform)	USA (Mon)
'IIS-49, 52' Shields, 2010 [<i>in</i> Conflitti, Kratochvil, Spironello, Shields & Currie] (cytoform)	USA (Mon)
<i>articum</i> : incorrect subsequent spelling	
baimaii Kuvangkadilok & Takaoka, 1999 [<i>in</i> Takaoka & Kuvangkadilok]	Thailand
brevicerum Knowlton & Rowe, 1934	USA (Utah, Alaska, Cal, Mon); Canada (Alb)
<i>nigresceum</i> Knowlton & Rowe, 1934 [USA (Utah)]	
'IIL-st' Shields & Procunier, 1982 (<i>articum</i> cytoform)	
<i>brevicerum</i> : incorrect subsequent spelling	
[<i>corbis</i> : authors (Utah), not Twinn]	
cholodkovskii 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	
chromatinum Adler, Currie & Wood, 2004	USA (Arizona, Col, NM, Wyo)
[<i>articum</i> : Tang <i>et al.</i> , 1996, not Malloch]	
daisense (Takahasi, 1950)	Japan (Honshu, Hok, Ky, Sh)
<i>diasense</i> : incorrect subsequent spelling	
damingense Chen, Zhang & Zhang, 2007	China (Guangxi Zhuang)
decimatium 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>yui</i> An & Yan, 2009 [China (Heilongjiang)]****	
<i>nigrocoxum</i> : incorrect subsequent spelling	
defoliarti 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)	
fulvipes (Ono, 1978)	Japan (Hokkaido)
<i>oshimaense</i> Ono, 1989 (unnecessary subst. name)	
<i>onoii</i> Yankovsky, 1996 (unnecessary subst. name, for <i>fulvipes</i>)	
gabovae (Rubtsov, 1966)	Russia (Komi NR)
hirtipannus Puri, 1932	India (Assam); China (Fu, Gu, Tibet)
ibariense Zivkovitch & Grenier, 1959	Serbia; Austria, Bulgaria, Czech Republic, Macedonia,
<i>novaki</i> Knoz, 1960 [Czech Republic]	Poland, Switzerland, Ukraine
jacuticum 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	
kisoense Uemoto, Onishi & Orii, 1974	Japan (Honshu, Sh)
‘Hanakagomodoki-buyu’ Kani, 1952	
kyushuense Takaoka, 1978	Japan (Kyushu)
liaoningense 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>)	
malyshevi Dorogostaisky, Rubtsov & Vlasenko, 1935	Siberia (Irkutskaya ES, FE); Canada (Alb, BC, Man,
<i>pseudovariegatum</i> Rubtsov, 1936 (unav., <i>nomen nudum</i> , attrib. Dorogostaisky & Rubtsov)	NWT, Sask, Yukon), China (He, Jilin, Li), Japan (Hon,
<i>albipes</i> (Rubtsov, 1956) [Siberia (Maritime FE)]	Ky), Korea (South), USA (Alaska)
<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>lucudum</i> : incorrect subsequent spelling	
<i>malycshevi</i> , <i>malyshevi</i> , <i>malyshevy</i> , <i>malyshevi</i> : incorrect subsequent spellings	
mongolicum (Rubtsov, 1969)	Mongolia
murmanum Enderlein, 1935	Russia (KM, CR); Canada (Alb, BC, Lab, Man, NB,
<i>corbis</i> Twinn, 1936 [Canada (Quebec)]	Nfld, NS, NWT, Ont, Que, Sask, Yukon), Finland,
<i>relictum</i> Stukolkina, 1939 (unav., <i>nomen nudum</i> , attrib. Rubtsov)	Norway, Siberia (ES, FE incl. Sakhalin, WS), Sweden,
<i>relictum</i> Rubtsov, 1939 (unav., <i>nomen nudum</i>)	Ukraine, USA (Alaska, Maine, Mas, Mic, Min, NH,
<i>relictum</i> Rubtsov, 1940 [Siberia (Irkutskaya)]	NY, Ver, Wis)
<i>forsi</i> (Carlsson, 1962) [Sweden]	
‘II’ Puri, 1926 (<i>Simulium</i> sp.)	
<i>marmanum</i> : incorrect subsequent spelling	
[<i>tenuimanus</i> : Rubtsov, 1956, not Enderlein]	
[<i>rostratum</i> : Rubtsov, 1962 / Patrusheva, 1982 / Rubtsov & Yankovsky, 1988, not Lundström]	
nacojapi Smart, 1944 (subst. name)	Japan (Honshu, Ky, Sh); China (Li), Korea (South),
<i>japonicum</i> (Shiraki, 1935) (preocc.)	Siberia (ES, FE)
‘Madoaki-buyu’ Kani, 1944	
[<i>subvariegatum</i> : Bentinck, 1955, not Rubtsov]	
negativum Adler, Currie & Wood, 2004	USA (Wyoming, Alaska, Col, Mon, Nev, NM, Utah);
‘IL-3.4’ Shields & Procunier, 1982 (<i>arcticum</i> cytoform)	Canada (Alb, Yukon)
nujiangense Xue, 1993	China (Yunnan)
omorii (Takahasi, 1942)	China (Heilongjiang)
<i>omoru</i> : incorrect subsequent spelling	
pavlovskii Rubtsov, 1940	Siberia (Maritime FE incl. Sakhalin, ES, Altai WS);
<i>ishikawai</i> Takahasi, 1940 [China (Inner Mongolia)]	China (He, IM, Xi), Ukraine (?)
<i>ishikawae</i> , <i>ishilawai</i> : incorrect subsequent spellings	
<i>pavlovski</i> , <i>pavlovskii</i> : incorrect subsequent spellings	
rubroflavifemur Rubtsov, 1940	China (Xinjiang)
<i>rubvoflavifemur</i> : incorrect subsequent spelling	
rufipes (Tan & Chow, 1976) [in Lee, Tan, Zhou & Wang]	China (‘northeastern’)
saxosum Adler, Currie & Wood, 2004	USA (California, Alaska, Idaho, Ore, Was); Canada (Alb,

‘IIL-2’ Shields & Procunier, 1982 (<i>arcticum</i> cytoform)	BC incl. Queen Charlotte Islands, Yukon
siripoomense Takaoka & Saito, 1996	Thailand
spiculum Chen, Huang & Yang, 2010	China (Heilongjiang)
subvariegatum Rubtsov, 1940	Siberia (Yakutskaya ES, FE); China (Be), Mongolia
<i>subvariegatum</i> Rubtsov, 1939 (unav., <i>nomen nudum</i>)	
<i>subvariegatum</i> Stukolkina, 1939 (unav., <i>nomen nudum</i> , attrib. Rubtsov)	
tanae Xue, 1992	China (Yunnan, Jx, Zh)
tumninum (Bodrova, 1989)	Siberia (Khabarovsk FE)
vampirum 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’ Procunier & Shemanchuk, 1983 (<i>arcticum</i> cytoform)	
‘IIS-10’ Procunier & Shemanchuk, 1983 (<i>arcticum</i> cytoform)	
‘IIS-10 (IL-8)’ Procunier & Shemanchuk, 1983 (<i>arcticum</i> cytoform)	
‘IIS-10.11’ Procunier, 1984 (<i>arcticum</i> cytoform)	
[<i>arcticum</i> : authors, not Malloch]	
‘IIL-1’ Shields & Procunier, 1982 (as <i>arcticum</i> cytoform)	Canada (Alb, Man), USA (Alaska)
‘IIS-4’ Procunier, 1984 (as <i>arcticum</i> cytoform)	Canada (Alb)

MELANOPUS species-group

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

simulacrum Delfinado, 1969	Philippines (Luzon)
subatrum Takaoka, 1983	Philippines (Palawan, Luzon)
sumigorense Takaoka, 2006	Philippines (Luzon)
suplidoi Takaoka, 1983	Philippines (Negros)
taalense Takaoka, 1983	Philippines (Luzon, Mindoro)
tomentosum Delfinado, 1969	Philippines (Luzon)
tomohonense Takaoka, 2003	Indonesia (Sulawesi)
tumpaense Takaoka & Roberts, 1988	Indonesia (Sulawesi)
watanabei Takaoka, 2003	Indonesia (Sulawesi)

MULTISTRIATUM species-group

barraudi Puri, 1932	India (Kashmir, HP); China (Tibet), Pakistan
<i>barrandi</i> : incorrect subsequent spelling	
bullatum Takaoka & Choochote, 2005	Thailand
chainarongi Kuvangkadilok & Takaoka, 1999	
[in Takaoka & Kuvangkadilok]	Thailand
<i>chainalongi, chinarongi</i> : incorrect subsequent spellings	
chaliowae Takaoka & Boonkemtong, 1999	
[in Takaoka & Kuvangkadilok]	Thailand
<i>cheliowae</i> : incorrect subsequent spelling	
chanyae Takaoka & Choochote, 2007	Thailand; Burma (?)
chongqingense Zhu & Wang, 1995 (junior primary homonym of	
<i>chongqingense</i> (-is) Zhu & Wang, 1995 (earlier use),	
but no available subst. name)	China (Sichuan)
demolaense Takaoka & Somboon, 2008	Bhutan
dentatum Puri, 1932	India (West Bengal, Assam, Me, Sik); Bhutan, China
<i>demtatum, duntatum</i> : incorrect subsequent spellings	(Tibet)
deothangense Takaoka & Somboon, 2008	Bhutan
digitatum Puri, 1932	India (HP & Punjab); China (Gd, Tibet)
fenestratum Edwards, 1934	Indonesia (Sumatra); Thailand
[<i>sakishimaense</i> : Takaoka & Suzuki, 1984, not Takaoka]	
hillycum Maskey, 1989	Nepal
<i>hillycum</i> Maskey, 1986 (thesis) (unav., <i>nomen nudum</i>)	
hirtinervis Edwards, 1928	Malaysia (Malaya); Vietnam
konakovi Rubtsov, 1956	Siberia (Kurile Islands FE)
<i>konokovi</i> : incorrect subsequent spelling	
lampangense Takaoka & Choochote, 2005	Thailand
lineothorax Puri, 1932	India (Assam, TN)
malayense Takaoka & Davies, 1995	Malaysia (Malaya); Thailand, Vietnam
multistriatum Rubtsov, 1947	Tajikistan; Kazakhstan, Turkmenistan, Uzbekistan
<i>multistriatum</i> : incorrect subsequent spelling	
novolineatum Puri, 1933 (subst. name)	India (West Bengal, ArP, Ka, UP); Burma
<i>lineatum</i> Puri, 1932 (preocc.)	
pulanotum An, Guo & Xu, 1995	China (Tibet)
sakishimaense Takaoka, 1977	Japan (Nansei Islands); China (Fu, Gu, HK, Hubei, Jx,
<i>fujianense</i> Zhang, 1988 (ssp.) (thesis) (unav., <i>nomen nudum</i>)	Yu, Zh), Taiwan. ['Thailand' error]
<i>fujianense</i> Zhang & Wang, 1991 (ssp.) [China (Fujian)]	
<i>sakishimaense, sakishimaense</i> : incorrect subsequent spellings	
[<i>fenestratum</i> : Ogata, 1966, not Edwards]	
subornatoides Rubtsov, 1947	Tajikistan
<i>subornatouides</i> : incorrect subsequent spelling	
takense Takaoka & Choochote, 2005	Thailand
tamorensis Takaoka & Shrestha, 2010	Nepal
triglobus Takaoka & Kuvangkadilok, 1999	Thailand
tumidifilum Luo, Yang & Chen, 2010	China (Hubei)
uncum Zhang & Chen, 2001	China (Guizhou)
xanthogastrum Rubtsov, 1951	Tajikistan; Pakistan, Uzbekistan
<i>xanthogastrum</i> Rubtsov, 1947 (unav., <i>nomen nudum</i>)	

xiaolongtanense Chen, Luo & Yang, 2007 China (Hubei)
 ‘B’ Lewis, 1964 (*Simulium* sp.) Nepal

NOBILE species-group

asishi Datta, 1988 India (West Bengal)
baltazarae Delfinado, 1962 Philippines (Luzon, Cebu, Leyte, Mindanao, Mindoro,
 [nobile: Delfinado, 1969, not De Meijere] Negros, Samar)
benquetense Takaoka, 1983 Philippines (Luzon)
cotabatoense Takaoka, 1983 Philippines (Mindanao)
delfinadoe Takaoka, 1983 Philippines (Negros, Luzon)
 ‘A’ Delfinado, 1969 (*Simulium* sp.)
latistylum Takaoka, 1983 Philippines (Palawan)
leytense Takaoka, 1983 Philippines (Leyte, Luzon, Negros, Panay)
nobile De Meijere, 1907 Indonesia (Java, Sumatra); Malaysia (Malaya, Sabah),
 [kiuliense Smart & Clifford, 1969 [Malaysia (Sabah)] Thailand
nodosum Puri, 1933 India (Karnataka, Assam, WB); China (Fu, Hainan, HK,
 Tibet, Yu), Thailand, Vietnam
shirakii Kono & Takahasi, 1940 (subst. name) Taiwan. [‘Japan’ error]
 [minutum Shiraki, 1935 (preocc.)
 shiraki: incorrect subsequent spelling
timorensis Takaoka, Hadi & Sigit, 2006 Indonesia (West Timor, Flores)

NOELLERI species-group

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

[*argyreatum*: authors (incl. Rothfels, 1979), not Meigen]
 [*behningi* (part): Rubtsov, 1956, 1963 / Chinese authors, not Enderlein]
 [*decorum*: Palearctic authors, not Walker]

palustre Rubtsov, 1956	Siberia (Irkutskaya ES, FE, WS); China (IM), Ukraine
paragyreatum Rubtsov, 1979	Tajikistan
tshuni (Yankovsky, 2006)	Russia (Murmansk KM)
vershininae Yankovsky, 1982	Siberia (Chitinskaya ES)

ORNATUM species-group

adventicium Datta, 1985	India (Himachal Pradesh)
baracorne 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>acutiphallus</i> (Rubtsov, 1963) [Ukraine]	
<i>barocornis</i> : incorrect subsequent spelling	
bronchiale (Rubtsov, 1962)	Russia (St Petersburg CR)
chowettani Yankovsky, 1996 (subst. name, malformed)	China (Beijing)
<i>septentrionale</i> (Tan & Chow, 1976) (preocc.)	
croaticum (Baranov, 1937)	Croatia; Germany (?)
<i>decoloratum</i> (Baranov, 1937) [Croatia]	
<i>nigrinum</i> (Baranov, 1937) [Croatia]	
deserticola Rubtsov, 1940	Mongolia; Romania, Tajikistan, Ukraine, Uzbekistan
egregium Séguy, 1930	Morocco
emeinesis An, Xue & Song, 1991	China (Sichuan)
<i>omeinesis</i> : incorrect subsequent spelling	
ferganicum Rubtsov, 1940	Kyrgyzstan; China (Sh), Kazakhstan, Siberia (WS), Tajikistan, Turkmenistan, Uzbekistan
<i>ferghanicum</i> : incorrect subsequent spelling	
flaveolum Rubtsov, 1940	Tajikistan; Kyrgyzstan, Siberia (Altai WS), Turkmenistan, Uzbekistan
<i>flaviolum</i> : incorrect subsequent spelling	
fontanum Terteryan, 1952	Armenia; Azerbaijan, Romania, Russia (SR), Turkey
frigidum Rubtsov, 1940	Siberia (ES, WS); Belarus, Finland, Lithuania, Norway, Poland, Romania, Russia (CR, NR), Sweden, Ukraine
<i>brigida</i> : incorrect subsequent spelling	
fuscum (Rubtsov, 1963)	Russia (St Petersburg CR, NR)
<i>fuscatum</i> Yankovsky, 1996 (unnecessary subst. name)	
intermedium 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]
‘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]	
iwatense (Shiraki, 1935)	Japan (Honshu); China (Hubei), Korea (South), 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]	
kanchaveli (Machavariani, 1966)	Georgia
kiritshenkoi Rubtsov, 1940	Iran; Armenia, Azerbaijan, Bulgaria, Cyprus, Iraq, Pakistan, Romania, Russia (Caucasus), Tajikistan,
<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	
mesasiaticum Rubtsov, 1947	Kazakhstan; Tajikistan, Uzbekistan
ornatum 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), Serbia, Siberia (ES, FE, WS), Slovakia, Slovenia, Spain, Sweden, Switzerland, Tunisia, Turkey, Ukraine, Uzbekistan
<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>amnis</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>arnata</i> , <i>arnatum</i> , <i>omata</i> , <i>omatum</i> , <i>ornatam</i> , <i>ornate</i> , <i>ornatha</i> : incorrect subsequent spellings	
<i>borici</i> : incorrect subsequent spelling	
[<i>regelationis</i> : Meigen, 1803, 1804, not Linnaeus]	
[<i>subornatum</i> : Séguy, 1930, not Edwards]	
pontinum Rivosecchi, 1960	Italy
rotundatum (Rubtsov, 1956)	Russia (Murmansk KM, CR); Bulgaria, Norway, Poland, Romania, Sweden, Ukraine
savici (Baranov, 1937)	Serbia; Croatia
<i>tenuitarsus</i> (Baranov, 1937) (preocc.) [Croatia]	

<i>baranovi</i> Smart, 1944 (subst. name)	
simoffi (Enderlein, 1924)	Bulgaria
trifasciatum 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

parnassum 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 (<i>Simulium</i> 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]
<i>lanio</i> (Linnaeus, 1771) ['Bannat' (middle Danube region)]	[For dating and authorship of <i>colombaschense</i> , see Thompson, Entomological News 112: 125-128 (2001)]
<i>columbaczense</i> (Schoenbauer, 1795) [Serbia/Romania]	
<i>flaviventre</i> Strobl, 1898 [Bosnia]	
<i>violaceum</i> Enderlein, 1922 ['Banat', Hungary or Romania]	
<i>profundale</i> Baranov, 1937 [Serbia]	
<i>litorale</i> Baranov, 1937 [Serbia]	
<i>intermedium</i> (Baranov, 1939) (preocc.) [Serbia]	
<i>colobatzensis</i> , <i>colombachense</i> , <i>colombascenze</i> , <i>columbacsense</i> , <i>columbascenze</i> , <i>columbaschense</i> , <i>columbaszense</i> , <i>columbatzensis</i> , <i>columbatschense</i> , <i>columbatzense</i> , <i>columbaczense</i> , <i>kolumbatzense</i> : incorrect subsequent spellings	
<i>Ianio</i> : incorrect subsequent spelling	
flavicans Rubtsov, 1956	Uzbekistan
flavigaster Rubtsov, 1969	Mongolia; Siberia (ES)
galeratum Edwards, 1920**	Britain (England); Lithuania
kurense Rubtsov & Djafarov, 1951	Azerbaijan; Armenia, Uzbekistan
<i>shachbuzicum</i> Djafarov, 1960 [Azerbaijan]	
latitarsus Rubtsov, 1971	Mongolia
<i>mongolense</i> Yankovsky, 1996 (unnecessary subst. name)	
liriense Rivosecchi, 1961	Italy
parvum Enderlein, 1921 [June]	'Europe'
<i>parvum</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i>)	
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,
<i>nigrum</i> (Linnaeus, 1746, <i>niger</i>) (no status, pre-1758 name)	
<i>sanguinarium</i> (Pallas, 1771) [Russia (Volga River)]	
<i>argyropeza</i> (Meigen, 1804) [Germany]	
<i>varipes</i> (Meigen, 1818) (unav., publ. as synonym)	
<i>elegans</i> Meigen, 1818 [Germany]	
<i>cinctum</i> Meigen, 1830 [Germany]	
<i>nana</i> Zetterstedt, 1837 (unav., <i>nomen nudum</i>)	

<i>nanum</i> Zetterstedt, 1838 [Sweden]	Uzbekistan
<i>pictum</i> Meigen, 1838 [Germany]	
? <i>humerales</i> Zetterstedt, 1855 [Sweden]	
<i>latimanus</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i>)	
<i>latimanus</i> Enderlein, 1921 [June] (available) [Britain (England)]†	
<i>heidenreichi</i> Enderlein, 1921 [Germany]	
<i>heringi</i> Enderlein, 1925 [Poland]	
<i>ornatoides</i> Baranov, 1926 (valid emendation of <i>ornatoide</i>) [Serbia]	
<i>calopum</i> Baranov, 1926 [Serbia]	
<i>pseudocolumbaczense</i> Baranov, 1937 [Serbia]	
<i>tumanicum</i> Baranov, 1937 [Serbia]	
<i>vardaricum</i> Baranov, 1937 [Macedonia]	
<i>pukovacense</i> Baranov, 1937 [Macedonia]	
<i>glumovoense</i> Baranov, 1937 [Macedonia]	
<i>agnatum</i> Baranov, 1937 [Serbia]	
<i>reptantoides</i> Carlsson, 1962 [unspecified European]	
? <i>knechteli</i> 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>reptanoides</i> , <i>reptantodes</i> , <i>reptantoides</i> : incorrect subsequent spellings	
<i>retans</i> : incorrect subsequent spelling	
<i>sangvinarium</i> : incorrect subsequent spelling	
tanetchowi Yankovsky, 1996 (subst. name, malformed)	China (Beijing)
<i>rheophilum</i> Tan & Chow, 1976 (preocc.)	
tarnogradskii Rubtsov, 1940	Russia (Caucasus); Armenia, Azerbaijan, Uzbekistan
<i>tarnograskii</i> : incorrect subsequent spelling	
voilense Sherban, 1960	Romania; Italy, Serbia, Slovakia, Ukraine
zetterstedti Carlsson, 1962†	Sweden

SLOSSONAE species-group

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

STRIATUM species-group

argyrocinctum De Meijere, 1913	Indonesia (Java, Sumatra)
bagmaticum Maskey, 1987 [1985]	Nepal
bahense Chen, 2003	China (Yunnan)
<i>behense</i> : incorrect original spelling	
chiangmaiense Takaoka & Suzuki, 1984	Thailand; China (Yu), Vietnam
consimile Puri, 1932	India (Punjab, HP); Pakistan, Sri Lanka
grisescens 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’, ‘Korea’, ‘Thailand’ errors]
<i>gresescens</i> : incorrect subsequent spelling	
jeffreyi Takaoka & Davies, 1995	Malaysia (Malaya); Vietnam
kapuri Datta, 1975	India (Assam, WB)
kariyai (Takahasi, 1940)*	China (Inner Mongolia)
menglaense Chen, 2003	China (Yunnan, Hainan)
nakhonense Takaoka & Suzuki, 1984	Thailand; China (Hainan), Vietnam
<i>nakhnense, nakhoensis, nakhorensis</i> : incorrect subsequent spellings	
pallidum Puri, 1932	India (Punjab, HP); Pakistan
palmatum Puri, 1932	India (Maharashtra, Ka, Ke)
pingtungense Huang & Takaoka, 2008	Taiwan
quinquestriatum (Shiraki, 1935)	Taiwan; China (Fu, Gd, Gu, Hainan, HK, Hubei, Jx, Li, Si, Tibet, Yu), Japan (Ky, NI, Sh), Korea (South), Thailand, Vietnam
<i>5-striatum</i> : incorrect original spelling	
<i>quinquentriatum, quinquestratum</i> : incorrect subsequent spellings	
[<i>grisescens</i> : Bentinck, 1955, not Brunetti]	
saccatum (Rubtsov, 1956)	China (Shandong); Siberia (Maritime FE)
<i>saceatum</i> : incorrect subsequent spelling	
striatum 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>)	
subpalmatum Davies & Györkös, 1992	Sri Lanka
thailandicum Takaoka & Suzuki, 1984	Thailand; China (Yu), Vietnam
<i>thailandicum</i> : incorrect subsequent spelling	
wuzhishanense Chen, 2003	China (Hainan)
‘B’ Takaoka & Davies, 1995 (<i>Simulium</i> sp.)	Malaysia (Malaya)

TUBEROSUM species-group

aeneifacies Edwards, 1933	Malaysia (Sabah)
<i>aenifacies</i> : incorrect subsequent spelling	
alberti Takaoka, 2008	Malaysia (Sabah)
angustifilum Rubtsov, 1947	Tajikistan
<i>angustifilum, angustifilium, angustiphilum</i> : incorrect subsequent spellings	
annulitarse Zetterstedt, 1838	Sweden; Canada (Nun), Finland, Russia (CR, KM), Siberia (FE)
<i>annulitarsis</i> Zetterstedt, 1837 (unav., <i>nomen nudum</i>)	
<i>minutissimum</i> Zetterstedt, 1850 [Sweden]	
‘FGIO’ Adler & Kuusela, 1994 (<i>tuberosum</i> cytoform)	
appalachiense Adler, Currie & Wood, 2004	USA (South Carolina, Ala, Geo, Ken, Maine, Mar, Mas, Mic, NC, NH, NJ, NY, Pen, Ten, Vir, Wis, WV); Canada (Ont, Que)
‘CDE’ Landau, 1962 (<i>tuberosum</i> cytoform)	
‘CDE-2’ Mason, 1982 (<i>tuberosum</i> cytoform)	
‘CDEM’ Mason, 1984 (<i>tuberosum</i> cytoform)	
arisanum Shiraki, 1935	Taiwan. [‘Japan’ error]
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, Pen, SC, Ten, Vir); Canada (Alb, BC, Lab, NB, Nfld, NWT, Ont, PEI, Que incl. Magdalen Islands, Sask)
‘FGH’ Landau, 1962 (<i>tuberosum</i> cytoform)	
corpulentum Rubtsov, 1956	Russia (Permskaya CR, SR)
doipuiense Takaoka & Choochote, 2005 (complex)	Thailand
‘E’ Takaoka & Suzuki, 1984 (<i>Simulium</i> 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 (<i>Simulium</i> species)	
jugatum Boldarueva, 1979	Siberia (Buryatskaya ES)
<i>jugotum</i> : incorrect subsequent spelling	
keningauense Takaoka, 2008	Malaysia (Sabah, Sarawak)

[<i>sabahense</i> : 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)
neorufibasis 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]
<i>nidithorax</i> : incorrect subsequent spelling	
perisum Dyar & Shannon, 1927	USA (Virginia, Ala, Ark, Geo, Ill, Ind, Iowa, Kan, Ken, Lou, Maine, Mar, Min, Miss, Misr, Neb, NJ, Ohio, Okl, Pen, SC, Ten, Texas, Wis, WV); Canada (Ont)
‘CKL’ Landau, 1962 (<i>tuberosum</i> cytoform)	
[<i>tuberosum</i> : authors (Nebraska), not Lundström]	
polare Rubtsov, 1940	Siberia (Taymyrsky WS, ES); Russia (NR, SR)
pradayi 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, China (Fu, Gu, Hubei, Li, Si, Tibet, Yu), Japan (Hok, Hon, Ky, NI, Sh), Korea (South), Nepal, Pakistan, Taiwan, Thailand
<i>fasciatum</i> Puri, 1932 (preocc.) [India (Himachal Pradesh)]	
<i>yokotense</i> Shiraki, 1935 [Japan (Honshu)]	
‘J-5’ Bentinck, 1955 (<i>Simulium</i> sp.)	
<i>rafibasis</i> , <i>rufiasis</i> : incorrect subsequent spellings	
sabahense Smart & Clifford, 1969	Malaysia (Sabah, Sarawak)
setsukoeae 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.)	
sigiti Takaoka & Hadi, 1991	Indonesia (Java)
splendidum Rubtsov, 1940	Siberia (Irkutskaya ES, FE, WS); China (‘Manchuria’), Russia (KM)
<i>splendidum</i> Stukolkina, 1939 (unav., <i>nomen nudum</i> , attrib. Rubtsov)	
<i>splendidum</i> Rubtsov, 1939 (unav., <i>nomen nudum</i>)	
subtile Rubtsov, 1956	Russia (Caucasus); Italy, Romania
suzukii Rubtsov, 1963	Japan (Honshu, Hok, Ky, NI, Sh); China (Gu, HK, Jilin, Jx, Si, Yu), Korea (South), Siberia (FE incl. Sakhalin), Taiwan
<i>ryukyuense</i> Ogata, 1966 [Japan (Okinawa)]	
<i>suznkii</i> : incorrect subsequent spelling	
‘J’ Tangkawanit, Kuvangkadilok, Baimai & Adler, 2009 (tani cytoform)	China
[<i>tuberosum</i> : authors (Japan), not Lundström]	
tani Takaoka & Davies, 1995 (complex)	Malaysia (Malaya); 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
[<i>nitidithorax</i> : Crosskey, 1973 / Takaoka & Suzuki, 1984, not Puri]	
tianchi 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)
tuberosum (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]
tumulosum Rubtsov, 1956†	Siberia (Irkutskaya ES, FE, WS); China (Jilin), Finland, Mongolia, Norway, Russia (NR), Sweden
twinni Stains & Knowlton, 1940	USA (Utah, Cal, Col, Mon, Ore, Wyo); Canada (Alb, BC)
‘FG/FG’ McCreadie, Adler & Burger, 1997 (<i>tuberosum</i> cytoform)	
ubiquitum 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]	
vandalicum Dyar & Shannon, 1927	USA (California, Ala, Alaska, Ari, Ark, Col, Con, Geo, Idaho, Ken, Maine, Mas, Mic, Misp, Mon, NC, NH, NJ, NM, NY, Ohio, Ore, Pen, SC, SD, Ten, Utah, Ver, Vir, Was, Wis, WV, Wyo); Canada (Alb, BC, Lab, Man, NB, NS, NWT, Ont, PEI, Que incl. Magdalen Islands, Sask, Yukon), Mexico (Du)
<i>turmale</i> Twinn, 1938 [USA (Utah)]	
‘FG’ Landau, 1962 (<i>tuberosum</i> cytoform)	
‘B’ Wong, 1976 (thesis) (<i>tuberosum</i> morphoform)	
vulgare Dorogostaisky, Rubtsov & Vlasenko, 1935	Siberia (Irkutskaya ES, FE, WS); Austria, Canada (Alb, Nun, NWT, Yukon), China (He), Czech Republic, Finland, Germany, Kazakhstan, Latvia, Mongolia, Norway, Romania, Russia (CR, NR, SR), Slovakia, Sweden, Ukraine, USA (Alaska), Uzbekistan
‘FGI’ Mason, 1982 (<i>tuberosum</i> cytoform)	
<i>vurgare</i> : incorrect subsequent spelling	
[<i>tuberosum</i> : authors, not Lundström]	
weji Takaoka, 2001	Thailand
yuphae 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

argyreatum Meigen, 1838	Germany; Andorra, Austria, Bosnia, Britain (En, Sc, Wa), Bulgaria, Czech Republic, Finland, France, Hungary, Ireland, Italy, Luxembourg, Macedonia, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, Ukraine, Kazakhstan (?)
<i>obreptans</i> Edwards, 1920 (unav., publ. as synonym)	
<i>montanum</i> Enderlein, 1921 [April] (unav., <i>nomen nudum</i>)	
<i>montanum</i> Enderlein, 1921 [June] (available, preocc.) [Germany]	
<i>mehelyi</i> Enderlein, 1926 [Slovakia]	
<i>polae</i> Smart, 1944 (subst. name, for <i>montanum</i>)	
<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]	
atlasticum Giudicelli & Bouzidi, 1989	Morocco
barnesi Takaoka & Suzuki, 1984	Thailand

[<i>hackeri</i> : Edwards, 1928 (part, Thailand)]	
berberum Giudicelli & Bouzidi, 1989	Morocco
bullae Davies & Györkös, 1987	Sri Lanka
‘b’ Davies, 1984 (<i>Simulium</i> sp.)	
caohaiense Chen & Zhang, 1997	China (Guizhou)
chamlongi Takaoka & Suzuki, 1984	Thailand; Burma, China (Tibet, Yu), Vietnam
cognatum An & Yan, 2009	China (Tibet)
cruszi Davies & Györkös, 1992	Sri Lanka
‘C’ Davies, 1984 (<i>Simulium</i> sp., part)	
debacli Terteryan, 1952	Armenia; Azerbaijan, Bulgaria, Romania, Turkey
elongatum Takaoka, 2003	Indonesia (Sulawesi)
exile (Rubtsov, 1956)	Azerbaijan; Kazakhstan, Romania
flavum Takaoka, 2003	Indonesia (Sulawesi)
globosum Takaoka, 2003	Indonesia (Sulawesi)
gribae (Rubtsov, 1956)	Tajikistan
gurneyae Senior-White, 1922	India (Tamil Nadu, Ka, Ma)
<i>gurineya</i> : incorrect subsequent spelling	
hackeri Edwards, 1928	Malaysia (Malaya)
himalayense 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>)	
<i>himalyaense</i> : incorrect subsequent spelling	
humerosum Rubtsov, 1947	Tajikistan
jingfui Cai, An & Li, 2008	China (Sichuan)
karenkoense (Shiraki, 1935)	Taiwan. [‘Japan’ error]
laplandicum (Chubareva & Yankovsky, 1992)	Russia (Murmansk KM)
laxum Takaoka, 2003	Indonesia (Sulawesi)
linduense Takaoka, 2003	Indonesia (Sulawesi)
liubaense Liu & An, 2009	China (Shaanxi)
lonchatum Chen, Zhang & Huang, 2005	China (Sichuan)
lorense Takaoka, 2003	Indonesia (Sulawesi)
luridum Takaoka, 2003	Indonesia (Sulawesi)
malinoense Takaoka, 2003	Indonesia (Sulawesi)
maximum (Knoz, 1961)	Czech Republic; Austria, Bosnia, Bulgaria, France,
‘2’ Kúdela & Jedlička, 2002 (<i>monticola</i> morphoform)	Germany, Italy, Poland, Romania, Serbia, Slovakia,
	Spain, Switzerland, Ukraine
molliculum Takaoka, 2003	Indonesia (Sulawesi)
monticola Friederichs, 1920	Germany; Algeria, Andorra, Austria, Belgium, Bosnia,
<i>dorieri</i> Doby & Rault, 1960 [France & Austria]	Bulgaria, Czech Republic, Finland, France (incl.
<i>petrophilum</i> (Rubtsov, 1964) (unav., var. post-1960)	Corsica), Italy, Luxembourg, Macedonia, Norway,
<i>stenostylus</i> (Rubtsov & Carlsson, 1965) [Sweden]	Poland, Portugal, Romania, Russia (CR, NR, SR),
<i>stenostyla</i> : incorrect subsequent spelling	Serbia, Slovakia, Slovenia, Spain, Sweden,
	Switzerland, Ukraine. [‘Britain’ error]
monticoloides (Rubtsov, 1956)	Russia (Caucasus); Bulgaria, Georgia, Romania, Turkey,
<i>monticoloide</i> : incorrect subsequent spelling	Ukraine (Crimea)
niha Giudicelli & Dia, 1986	Lebanon; Turkey
nilgircum Puri, 1932	India (Tamil Nadu); Sri Lanka
<i>niljiricum</i> : incorrect subsequent spelling	
nishijimai (Ono, 1978)	Japan (Hokkaido); Siberia (Kurile Islands FE)
nubis Davies & Györkös, 1987	Sri Lanka
‘C’ Davies, 1984 (<i>Simulium</i> sp., part)	
oitanum (Shiraki, 1935)	Japan (Kyushu, Hok, Hon, NI, Sh); China (Gu, Jilin, Li,
<i>aokii</i> (Takahasi, 1941) [Japan (Honshu)]	Yu), Korea (South), Nepal, Siberia (FE incl. Sakhalin)
palopoense Takaoka, 2003	Indonesia (Sulawesi)
paranubis Davies & Györkös, 1992	Sri Lanka
‘C’ Davies, 1984 (<i>Simulium</i> sp., part)	
pelius Sun, 1994	China (Liaoning)
<i>pedius</i> : incorrect subsequent spelling	
qianense Chen & Chen, 2001	China (Guizhou, Hubei)

<i>curvistylus</i> Rubtsov, 1957 [Russia (St Petersburg CR)]	(IM), Finland, Lithuania, Norway, Sweden, Siberia (ES,
<i>curvistilum</i> , <i>curvistylum</i> : incorrect subsequent spellings	FE, WS), Ukraine, Uzbekistan
[<i>morsitans</i> : authors, not Edwards]	
lugense Yankovsky, 1996 (subst. name)	Russia (St Petersburg CR)
<i>hibernale</i> Rubtsov, 1967 (preocc.)	
minutum Lugger, 1897 [1896]	USA (Minnesota, Mic); Canada (Ont, Sask)
‘CC1 (Cal 1 and CTC1)’ Rothfels, Feraday & Kaneps,	
1978 (<i>venustum</i> cytoform)	
molestum Harris, 1841	USA (New Hampshire, Mic); Canada (PEI, Que:
‘A/C’ Rothfels, Feraday & Kaneps, 1978 (<i>venustum</i> cytoform)	Magdalen Islands)
morsitans 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
nipponense Shiraki, 1935	Japan (Honshu)
paralongipalpe Vorobets, 1987	Siberia (Yakutskaya ES)
paramorsitans Rubtsov, 1956	Russia (St Petersburg CR, KM, NR, SR); Belarus,
<i>paelignum</i> Rivosecchi, 1966 (ssp.) [Italy]	Bosnia, Bulgaria, Czech Republic, Estonia, Finland,
<i>semushini</i> Usova & Zinchenko, 1992 [Ukraine]	Germany, Hungary, Italy, Kazakhstan, Latvia,
<i>paramorsitans</i> : incorrect subsequent spelling	Lithuania, Norway, Poland, Romania, Serbia, Siberia
<i>poelignum</i> : incorrect original spelling (alternative in fig.)	(ES, FE, WS), Slovakia, Sweden, Ukraine
piscidium 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>piscioidium</i> , <i>piscidium</i> , <i>piscidium</i> : incorrect subsequent spellings	
posticatum Meigen, 1838 [valid, ICZN Opinion 1508, List]	Germany; Austria, Belarus, Belgium, Britain (En),
<i>austeni</i> Edwards, 1915 [precedence not accorded, ICZN	Czech Republic, Denmark, Estonia, Finland, France,
Opinion 1508, List] [Britain (England)]	Latvia, Lithuania, Luxembourg, Netherlands, Norway,
<i>pseudoreptans</i> Enderlein, 1935 [Germany]	Poland, Russia (CR, KM), Siberia (WS), Slovenia,
[<i>venustum</i> : Old World authors, not Say]	Sweden, Turkey, Ukraine
[<i>verecundum</i> : Old World authors, not Stone & Jamnback]	
promorsitans Rubtsov, 1956	Russia (Orenburgskaya CR, SR); Belarus, China (IM),
	Kazakhstan, Lithuania, Poland, Siberia (ES, WS),
	Ukraine
rezvoi Rubtsov, 1956	Kazakhstan
<i>rezovi</i> , <i>rezvoyi</i> : incorrect subsequent spellings	
rivosecchii Rubtsov, 1964	Italy
[<i>parvum</i> : Rubtsov, 1956, not Enderlein]	
rostratum (Lundström, 1911)	Finland; Austria, Belarus, Britain (En, Sc), Canada (Alb,
<i>wilhelmii</i> Enderlein, 1922 [Germany]	BC incl. Queen Charlotte Islands, Lab, Man, Nfld,
<i>groenlandicum</i> Enderlein, 1935 [Greenland]	Nun, NWT, Ont, PEI, Que incl. Magdalen Islands,
<i>pitense</i> Carlsson, 1962 [Sweden]	Sask, Yukon), Czech Republic, Denmark, Finland,
<i>sublacustre</i> Davies, 1966 [Britain (England)]	Germany, Greenland, Ireland, Latvia, Lithuania,
‘1’ Malloch, 1919 (<i>Simulium</i> sp.)	Norway, Poland, Russia (NR), Siberia (FE incl.
‘ACD’ Rothfels, Feraday & Kaneps, 1978 (<i>verecundum</i> cytoform)	Sakhalin, WS), Slovakia, Sweden, Ukraine, USA
<i>restratum</i> , <i>rostratum</i> : incorrect subsequent spellings	(Alaska, Idaho, Maine, Mic, Min, Mon, NH, NY, Ore,
<i>wilhelmi</i> : incorrect subsequent spelling	Was, Wis, Wyo)
[<i>argyreatum</i> : Rubtsov, 1956 / Usova, 1961, not Meigen]	
[<i>verecundum</i> : authors (Palearctic), not Stone & Jamnback]	
[see Adler, Currie & Wood, 2004 for Nearctic misidentifications]	
rubtzovi Smart, 1945 (subst. name)	Siberia (Buryatskaya ES, FE, WS); Canada (NWT,
<i>simile</i> Rubtsov, 1940 [1939] (preocc.)	Yukon), Finland, Kazakhstan, Russia (CR, SR),
<i>rubzovi</i> : incorrect subsequent spelling	Sweden, Ukraine, USA (Alaska)
shevtshenkovae Rubtsov, 1965 (subst. name)	Ukraine; Belarus, Russia (CR, SR)
<i>venustoides</i> Rubtsov, 1963 (preocc.)	
<i>schevtchenkova</i> , <i>schevtshenkovae</i> , <i>schevtshenkovae</i> ,	

<i>shevchenkova</i> : incorrect subsequent spellings	
<i>venustoide</i> : incorrect subsequent spelling	
simulans Rubtsov, 1956	Russia (Orenburgskaya CR, SR); Belarus, Kazakhstan, Siberia (ES, FE), Ukraine
tobetsuense Ono, 1977	Japan (Hokkaido); Siberia (Kurile Islands FE, Sakhalin FE)
tormentor 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)	
truncatum (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)
<i>sericeum</i> (Linnaeus, 1767)† [Sweden]	
‘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]	
venustum 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	
verecundum 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, Feraday & Kaneps, 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	
xinbinen 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

ambiguum Shiraki, 1935	Taiwan. [‘Japan’ error]
celsum Takaoka & Davies, 1996	Indonesia (Java)
<i>celsum</i> Takaoka & Davies, 1995 (unav., <i>nomen nudum</i>)	
christophersi Puri, 1932	India (Kashmir, HP); China (Tibet)
<i>chrystophersi</i> : incorrect subsequent spelling	
contractum Takaoka, 2003	Indonesia (Sulawesi)
cremnosi Davies & Györkös, 1987	Sri Lanka
‘a’ Davies, 1984 (<i>Simulium</i> sp.)	
dentastylum Yang, Chen & Luo, 2009	China (Hubei)
fuscopilosum Edwards, 1928	Malaysia (Malaya)
<i>fuscipilorum</i> : incorrect subsequent spelling	
fuzhouense Zhang & Wang, 1991	China (Fujian, Gu)
<i>fuzhouense</i> Zhang, 1988 (thesis) (unav., <i>nomen nudum</i>)	
howletti Puri, 1932	India (Bihar); China (Tibet)
<i>howletei</i> , <i>howleter</i> , incorrect subsequent spellings	
immortalis Cai, An, Li & Yan, 2004	China (Shanxi)
jieyangense An, Yan, Yang & Hao, 1994	China (Guangdong)
<i>jeeyangense</i> : incorrect subsequent spelling	
katoi Shiraki, 1935	Taiwan. [‘Japan’ error]
kinabaluense Smart & Clifford, 1969	Malaysia (Sabah)
multifurcatum Zhang & Wang, 1991	China (Fujian)
<i>multifurcatum</i> Zhang, 1988 (thesis) (unav., <i>nomen nudum</i>)	
nebulicola Edwards, 1934	Indonesia (Java, Flores, Sumatra)

palniense Puri, 1933	India (Tamil Nadu)
parvulum Takaoka, 2003	Indonesia (Sulawesi)
peliastris Sun, 1994	China (Liaoning)
<i>peliastris</i> : incorrect original spelling (alternative)	
rotifilis Chen & Zhang, 1998	China (Guizhou)
<i>rotifilis</i> : incorrect subsequent spelling	
shanxiense Cai, An, Li & Yan, 2004	China (Shanxi)
singtamense Datta & Pal, 1975	India (West Bengal); Nepal
sumatraense Takaoka & Sigit, 1997	Indonesia (Sumatra)
tarbagataicum (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)
HEMICNETHA Enderlein, 1934 (as genus). Type species: *paynei*, as *mexicana* Enderlein (original designation)
HEARLEA Rubtsov, 1940 (unav., *nomen nudum*)
DYARELLA Vargas, Martínez Palacios & Díaz Nájera, 1946 (as subgenus of *Simulium*). Type species: *tarsatum*, as *mexicanum* Bellardi (original designation)
HEARLEA Vargas, Martínez Palacios & Díaz Nájera, 1946 (as subgenus of *Simulium*). Type species: *canadense* (original designation)
OBUCHOVIA Rubtsov, 1947 (as subgenus of *Simulium*). Type species: *albellum* (monotypy)
GRENIERIELLA Vargas & Díaz Nájera, 1951 (as subgenus of *Simulium*). Type species: *lahillei* (original designation)
HAGENOMYIA Shewell, 1959 (as subgenus of *Simulium*) (preocc.). Type species: *pictipes* (original designation)
SHEWELLOMYIA Peterson, 1975 (subst. name for *Hagenomyia* Shewell, therefore same type species)
GRENIERELLA: incorrect subsequent spelling
HELOCNETHA: incorrect subsequent spelling

ALBELLUM species-group†

adornatum (Rubtsov, 1956)	Russia (Caucasus)
albellum Rubtsov, 1947	Tajikistan; Afghanistan, Kazakhstan, Pakistan, Uzbekistan
<i>sibella</i> : incorrect subsequent spelling	
auricoma Meigen, 1818	Austria; Andorra, Bulgaria, Cyprus, Czech Republic, France (incl. Corsica), Germany, Greece (Crete, Ikaría, Lésbos, Naxos, Rhodes, Samos), Italy (incl. Sardinia, Sicily), Kazakhstan, Lebanon, Poland, Portugal, Romania, Serbia, Slovakia, Spain, Turkey, Ukraine
biseriatum Rubtsov, 1940	Tajikistan [neotype]; China (Tibet)
brevifile (Rubtsov, 1956)	Ukraine (Crimea); Italy (incl. Sicily, Sardinia)
continii (Rivosecchi & Cardinali, 1975)	Italy (Sardinia)
emiliae (Rubtsov, 1976)	Tajikistan
galloprovinciale Giudicelli, 1963 [1962]	France; Italy, Morocco, Spain
ibericum Crosskey & Santos Grácio, 1985	Portugal; Spain
karasuae (Panchenko, 1998)	Ukraine (Crimea)
<i>karacuae</i> : incorrect original spelling [alternative]	
margaritae (Rubtsov, 1956)	Armenia; Iran, Turkey

<i>maegaitae</i> , <i>margarita</i> , <i>margaritea</i> : incorrect subsequent spellings	
marocanum Bouzidi & Giudicelli, 1988 [1987]	Morocco; Algeria
popowae 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)	
segusina (Couvert, 1968)	Italy
<i>seguisina</i> : incorrect subsequent spelling	
transcaspicum 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]	

CANADENSE species-group*

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

ORBITALE species-group

duodenicornium Pepinelli, Hamada & Trivinho-Strixino, 2005	Brazil (São Paulo, MG)
<i>uodenicornium</i> : incorrect subsequent spelling	
guyanense Wise, 1911 [1912] (complex)	Guyana; Brazil (Amapá, Amz, ES, Goiás, Mar, MG, MGr, Par, Pará, RJ, Ror, SC, SP, Toc), French Guiana, Suriname, Venezuela
<i>pinto</i> d'Andretta & d'Andretta, 1945 [1946] [Brazil (São Paulo)]	
<i>ortizi</i> Ramírez-Pérez, 1971 [Venezuela]	
'A' Charalambous, Shelley, Maia-Herzog & Luna Dias, 1996 (cytoform)	Brazil (Goiás)

‘B’ Charalambous, Shelley, Maia-Herzog & Luna Dias, 1996 (cytoform)	Brazil (Amapá)
‘C’ Charalambous, Shelley, Maia-Herzog & Luna Dias, 1996 (cytoform)	Brazil (Maranhao)
‘D’ Charalambous, Shelley, Maia-Herzog & Luna Dias, 1996 (cytoform)	Brazil (Pará)
<i>quianense</i> : incorrect subsequent spelling [<i>tarsale</i> : Floch & Abonnenc, 1946, not Williston]	
hirtipupa Lutz, 1910	Brazil (Minas Gerais, Alagoas, Amapá, Bahía, ES, Goiás, MGr, MGrS, RGS, RJ, SP)
huairayacu Wygodzinsky, 1953	Argentina (Tucumán, Jujuy, Salta); Bolivia, Peru (Cuzco, Lima)
itaunense d’Andretta & Dolores González, 1964	Brazil (São Paulo, RGS, SC)
jeteri (Py-Daniel, Darwich, Mardini, Strieder & Coscarón, 2005)	Brazil (Rio Grande do Sul)
lahillei (Paterson & Shannon, 1927)	Argentina (Tucumán, Cat, Cór, Jujuy, Salta); Bolivia, Colombia, Peru (Cuzco, Lima)
<i>lahilli</i> : incorrect subsequent spelling	
litobranchium Hamada, Pepinelli, Mattos-Glória & Luz, 2010	Brazil (Goiás, MG)
<i>lithobranchium</i> : incorrect subsequent spelling	
nigrimanum 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)]	
nunesdemelloi Hamada, Pepinelli & Hernández, 2006	Brazil (Amazonas)
orbitale 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>albobictum</i> Lane & Porto, 1940 [<i>in</i> Porto] [Brazil (Paraná)]	
<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]	
perplexum Shelley, Maia-Herzog, Luna Dias & Couch, 1989	Guyana
scutistriatum Lutz, 1909	Brazil (Rio de Janeiro, Bahía, Goiás, MG, MGr, Par, SP, Toc); Colombia, Paraguay, Venezuela
sumapazense Coscarón & Py-Daniel, 1989	Colombia
townsendi 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]	[Coscarón & Coscarón-Arias, 2007 treat <i>muiscorum</i> as valid sp.]
<i>strigatum</i> (Enderlein, 1934) [1933] [Peru (Cuzco)]	
<i>muiscorum</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	
wygodzinskyorum Coscarón & Py-Daniel, 1989	Peru (Junín); Ecuador

PCTIPES species-group

claricentrum Adler, 1990	USA (Pennsylvania, Ark, Misr, NY, Okl, Ten)
‘a’ [also ‘A’] Reisen, 1974 (<i>Simulium</i> sp.)	
‘A’ Bedo, 1975 (<i>pictipes</i> cytoform)	
innoxium Comstock & Comstock, 1895	USA (New York, Ala, Geo, Ken, Mar, Mic, Min, Misr, NC, Pen, SC, Ten, Vir, WV); Canada (Ont, Que)
<i>aldrichianum</i> (Enderlein, 1936) [USA (New York)]	
‘B’ Bedo, 1975 (<i>pictipes</i> cytoform)	
[<i>pictipes</i> : authors, not Hagen]	
pictipes Hagen, 1880	USA (New York, Mic, Min); Canada (Alb, Lab, Man, Nfld, NWT, Ont, Que, Sask)
<i>longistylatum</i> Shewell, 1959 [Canada (Quebec)]	
‘nr. <i>pictipes</i> ’ Shewell, 1957 (<i>Simulium</i> sp.)	
‘M’ Wolfe & Peterson, 1959 (<i>Simulium</i> sp.)	

TARSATUM species-group

- brachycladum** Lutz & Pinto, 1932 [1931] [*in* Pinto] Brazil (Pernambuco, Bahia, Ceará, ES, Goiás, MG, Par, 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 (Ari, NM)
wirthi Peterson & Craig, 1997 [1996] [USA (New Mexico)]
 ? 'C & D' Muhammad, 1988 (thesis) (*virgatum* cytoforms)
briseñoi: incorrect subsequent spelling
- crystalinum** Coscarón & Py-Daniel, 1989 [or ? issued 1991] Brazil (Roraima)
- earlei** Vargas, Martínez Palacios & Díaz Nájera, 1946 Mexico (Morelos, Co, FD, Gu, Mi, MS, NL, Ox, Vz); Belize, Costa Rica, Guatemala, Panama
dehnei Field, 1969 [Panama]
keenani Field, 1969****.† [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)
- guerrerense** Vargas & Díaz Nájera, 1956 Mexico (Guerrero)
guerrerense: incorrect subsequent spelling
 [*pulverulentum*: Vargas, 1943 / Vargas *et al.*, 1946, not Knab]
- 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)
- 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, Bahia, 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]
biuxinisa Coscarón & Ibáñez-Bernal, 1995 [1993] [Mexico (Oaxaca)]
 ? '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 / Shelley *et al.*, 2002, 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 Gerais [neotype], Bahia, Ceará, ES, Goiás, MGr, Par, 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*)
rubithorax, *rubritorax*: incorrect subsequent spellings
- smartii** Vargas, 1946 Mexico (Chiapas, Ox); Guatemala
- solarii** Stone, 1948 USA (Texas, NM); Mexico (MS, NL, SLP, Ta)
 [*virgatum*: authors, not Coquillett]
 [*Prosimulium* sp.: Sites & Nichols, 1990, not Roubaud]
- tarsale** Williston, 1896 Saint Vincent; Dominica, Guadeloupe
clavipes Malloch, 1914 [Guadeloupe]
- tarsatum** Macquart, 1846 [1844] Colombia; Argentina (Jujuy), Belize, Bolivia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Mexico (Ch, MS, Ox, Ver), Panama, Peru (Cuzco, Lima), Trinidad (incl. Tobago), Venezuela
mexicanum Bellardi, 1862 [1864/5] [Mexico (Veracruz)]
seriatum Knab, 1914 [Peru (Lima)]
aureopunctatum Malloch, 1914 [Guatemala]
placidum Knab, 1915 [Trinidad]
lugubre Lutz & Nuñez Továr, 1928 [*in* Lutz] [Venezuela]

<i>turgidum</i> (Hoffmann, 1930) [Mexico (Chiapas)]	
<i>laticalx</i> (Enderlein, 1934) [1933] [Peru (Cuzco)]	
<i>latidigitus</i> (Enderlein, 1936) [Colombia]	
<i>bellardii</i> (Py-Daniel & Moreira Sampaio, 1994) (unnecessary subst. name for <i>mexicanum</i> Bellardi)	
virgatum Coquillett, 1902 (complex)	USA (New Mexico, Ari, Col, Neb, SD, Texas, Utah, Wyo); El Salvador, Guatemala, Mexico (Ca, Ch, Co, Du, Ja, Mi, Mo, Ox, Si, SLP, Tb, Vz), Panama.
<i>cinereum</i> Bellardi, 1859 (preocc.) [Mexico (Morelos)]	
<i>tephrodes</i> Speiser, 1904 (subst. name)	['Belize' error]
<i>rubicundulum</i> Knab, 1915 [1914] [Mexico (Veracruz)]	
<i>chiapanense</i> Hoffmann, 1930 [Mexico (Chiapas)]	
<i>chiapense</i> : incorrect subsequent spelling	
yepocapense Dalmat, 1949	Guatemala; Mexico (Chiapas, Du)
<i>ardeni</i> Dalmat, 1953 [Guatemala]	

Subgenus WALLACELLUM Takaoka

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

alfurense Takaoka, 2003	Indonesia (Maluku, Irian Jaya)
amplum Takaoka, 2009	Philippines (Luzon)
cabrerai Takaoka, 1983	Philippines (Luzon)
carinatum Delfinado, 1969	Philippines (Luzon, Negros)
<i>carinatum</i> : incorrect subsequent spelling	
celebesense Takaoka, 2003	Indonesia (Sulawesi)
claveriaense Takaoka, 2006	Philippines (Luzon)
makilingense Takaoka, 1983	Philippines (Luzon)
marilogense Takaoka, 2009	Philippines (Mindanao)
molawinense Takaoka, 2006	Philippines (Luzon)
ogonukii Takaoka, 1983	Philippines (Mindanao)
recurvum Takaoka, 1983	Philippines (Luzon, Negros)
resimum Takaoka, 1983	Philippines (Mindanao)
spinosibranchium Takaoka, 1983	Philippines (Luzon)
suyoense Takaoka, 2006	Philippines (Luzon, Mindoro)
tenederoi Takaoka, 2009	Philippines (Samar)
tuyense Takaoka, 1983	Philippines (Luzon, Mindoro, Palawan, Samar)
yonakuniense Takaoka, 1972	Japan (Nansei Islands); Taiwan

Subgenus WILHELMIA Enderlein

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

BUETTIKERI species-group

buettikeri 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*

angustifurca (Rubtsov, 1956)	Russia (Caucasus); Bulgaria, China (IM), Ukraine
<i>angustifurca</i> : incorrect subsequent spelling	
balcanicum (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	
bravermani Beaucourmu-Saguez, 1986	Israel

dahestanicum (Rubtsov, 1962)	Russia (Dagestan); Iraq, ‘Transcaucasus’
dunhuangense Liu & An, 2004	China (Gansu)
equinum (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), Kazakhstan, 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>aurantescens</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>cinereum</i> : incorrect subsequent spelling	
<i>dahlgruini</i> : incorrect subsequent spelling	
<i>equinum</i> : incorrect subsequent spelling	
<i>ivachentzove</i> : incorrect subsequent spelling	
<i>squinum</i> : incorrect subsequent spelling (lapsus for <i>equinum</i>)	
germuense Liu, Gong, Zhang, Luo & An, 2003	China (Qinghai)
golani Beaucournu-Saguez & Braverman, 1977 [1976] [<i>in</i> Beaucournu-Saguez, Braverman & Tsafirir]	Syria (Golan)
lama Rubtsov, 1940	China (Xinjiang); Mongolia
lineatum (Meigen, 1804)	Germany; Afghanistan, Armenia, Austria, Azerbaijan, Belarus, Belgium, Bosnia, Britain (En, Wa), Bulgaria, China (Be, IM, Xi), Czech Republic, Denmark, France (incl. Corsica), Hungary, Iran, Iraq, Ireland, Italy (incl. Sardinia, Sicily), Kazakhstan, Kyrgyzstan, Latvia, Lebanon, Lithuania, Netherlands, Pakistan, Poland, Portugal, Romania, Russia (CR, SR), Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan. [‘Azores’ error]
<i>falcula</i> (Enderlein, 1921 [April]) (unav., <i>nomen nudum</i>)	
<i>falcula</i> (Enderlein, 1921 [June]) (ssp.) [Germany]	
<i>salopiense</i> Edwards, 1927 [Britain (England)]	
<i>turgaicum</i> Rubtsov, 1940 [Kazakhstan]	
<i>nigrifacies</i> (Rivosecchi, 1964) (unav., <i>nomen nudum</i> , attrib. Corti)	
<i>lilliae</i> (Usova & Reva, 2008) (unav., <i>nomen nudum</i>)	
<i>jalcula</i> : incorrect original spelling (<i>falcula</i> misprint)	
<i>lineate</i> : incorrect subsequent spelling	
<i>salopionis</i> , <i>solopiensis</i> : incorrect subsequent spellings	
lurestanicum (Yankovsky, 2010)	Iran
paraequinum Puri, 1933	Pakistan; Armenia, Azerbaijan, Bulgaria, Greece (incl. Lésbos), Hungary, Iran, Iraq, Israel, Italy, Jordan, Lebanon, Romania, Serbia, Turkey, Ukraine (Crimea)
<i>transcausicum</i> (Rubtsov, 1956) [Armenia]	
<i>paraequinum</i> , <i>paraequine</i> : incorrect subsequent spellings	
‘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]	
pekingense Sun, 1999	China (Beijing)
<i>pakingense</i> : incorrect subsequent spelling	
pindiense Khatoon & Hasan, 1995	Pakistan

pseudequinum 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, Ikaría, 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>bruigense</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]	
qinghaiense Liu, Gong, Zhang, Luo & An, 2003	China (Qinghai)
qingxilingense Cai & An, 2005	China (Hebei)
quadrifila Grenier, Faure & Laurent, 1957	Morocco; Spain
sergenti 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)
takahasii (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 and Japanese authors, not Edwards]	
<i>salopiedse</i> , <i>salopiesne</i> : incorrect subsequent spellings	
talassicum (Yankovsky, 1984)	Kyrgyzstan
tongbaishanense Chen & Luo, 2006	China (Hubei)
veltistshevi Rubtsov, 1940	Tajikistan; Afghanistan, Azerbaijan, China (IM, Xi),
<i>vewltishevi</i> : incorrect subsequent spelling	Iran, Kazakhstan, Pakistan, Romania, Turkmenistan,
	Ukraine (Crimea), Uzbekistan
wushiense Mahe, An & Yan, 1997	China (Xinjiang, Qi)
<i>weshiense</i> : incorrect subsequent spelling	
xingyiense 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)

ambositrae Grenier & Grjebine, 1959 [1958]	Madagascar
[<i>neireti</i> : Grenier & Doucet, 1950 (part), not Roubaud]	
griveaudi Ovazza & Ovazza, 1970	Madagascar
imerinae Roubaud, 1905	Madagascar (incl. Nosy Bé Island); Comoro Islands
‘M1’ Grenier & Doucet, 1950 (<i>Simulium</i> sp.)	(Mohéli[?])
iphias 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)	
neireti Roubaud, 1905	Madagascar

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

canescens Brème, 1842 [<i>in</i> Kölliker]	Switzerland
chilianum Rondani, 1863	Chile [no locality]
diaznajerai Vargas, 1943 (subst. name)	Mexico [no locality]
<i>tenuifrons</i> (Enderlein, 1936) (preocc.)	
incanum Loew, 1840	Poland
lividum (Schellenberg, 1803)	Switzerland
nigrifemur (Enderlein, 1936)	Chile (Maule)
ochrescentipes Enderlein, 1921	Turkmenistan
<i>ochrescentipes</i> : incorrect subsequent spelling	
spinifer 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>sicucani</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]
<i>friendicum</i> Maskey, 1986 [Nepal]
<i>galea</i> Maskey, 1986 [Nepal]
<i>gardenicum</i> Maskey, 1986 [Nepal]
<i>godavaricum</i> (incl. <i>godavaricum</i> 'sp. 1') (Maskey, 1986) [Nepal]
<i>gokarnum</i> (Maskey, 1986) [Nepal]
<i>hetaudense</i> Maskey, 1986 [Nepal]
<i>kedarai</i> Maskey, 1986 [Nepal]
<i>laticornis</i> Knoz, 1963 (attrib. Zwolsky) [Czech Republic]
<i>mandirensense</i> Maskey, 1986 [Nepal]
<i>maridienale</i> Hua Li-Zhong, 2006 [China (Hong Kong)]
<i>montium</i> Sun, 1994 (attrib. Xue, 1990) [China]
<i>neogracilis</i> Sun, 1994 (attrib. Duang & Chen, 1993) [China]
<i>panicum</i> Maskey, 1986 [Nepal]
<i>quinquefurcatum</i> Amaral-Calvão & Maia Herzog, 2003 [Brazil (Bahia)]
<i>takaocum</i> Maskey, 1986 [Nepal]
<i>ussovai</i> Maskey, 1986 [Nepal]
<i>xiaguanense</i> 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 [<i>in</i> Adler, Currie & Wood]	USA (Arizona, Cal, Col, Nev, Utah, Wyo)
'W' Madahar, 1969 (<i>Cnephia</i> cytoform)	
[<i>mutata</i> : authors (western USA), not Malloch]	
byrrangii Yankovsky, 2000	Siberia (Taymyrsky ES)
decafilis Rubtsov, 1971	Siberia (Yakutskaya ES, FE); Canada (NWT, Yukon),

<i>hamuligera</i> Yankovsky, 1977 [Siberia (Amurskaya)]*	USA (Alaska)
‘undescribed species’ Corkum & Currie, 1987	
<i>rdecafilis</i> : incorrect subsequent spelling	
diplomutata Currie & Hunter, 2003	Canada (Ontario, NS, PEI, Que incl. Magdalen Islands);
‘2n’ Basrur, 1957 (thesis) (<i>mutata</i> cytoform)	USA (Ala, Ark, Geo, Ill, Ind, Mar, Mas, Misp, NC,
‘diploid’ Basrur & Rothfels, 1959 (<i>mutata</i> cytoform)	NH, NJ, NY, Ohio, Pen, SC, Ten, Vir, Wis, WV)
‘A’ Currie & Hunter, 2003 (cytoform)	Canada
‘B’ Currie & Hunter, 2003 (cytoform)	Canada
[<i>mutata</i> : authors, not Malloch]	
duodecimata (Rubtsov, 1940)	Siberia (Irkutskaya ES, FE, WS); Norway
<i>duodecimata</i> (Rubtsov, 1936, 1937, 1939) (unav., <i>nomen nudum</i>)	
<i>duodedecimata</i> (Rubtsov, 1939) (unav., <i>nomen nudum</i>)	
<i>duogecimata</i> : incorrect subsequent spelling	
emergens (Stone, 1952)	USA (Alaska, Mic, Wis); Canada (Alb, BC, Lab, Man,
<i>tschukotensis</i> Rubtsov, 1971 [Siberia (Tshukotka)]	Nun incl. Baffin and Southampton Islands, NWT incl.
‘#2’ Anderson & Dicke, 1960 (<i>Cnephia</i> sp.)	Victoria Island, Ont, Sask), Siberia (FE)
[<i>mutata</i> : authors (western Canada), not Malloch]	[Yankovsky & Aibulatov, 2009 treat <i>tschukotensis</i> as
	valid sp.]
longicoxa Rubtsov, 1971*	Siberia (Krasnoyarsk ES)
mutata (Malloch, 1914)	USA (New Jersey, Ark, Del, Geo, Iowa, Kan, Ken, Lou,
‘undescribed’ Strickland, 1911 (<i>Simulium</i> sp.)	Maine, Mar, Mas, Mic, NC, NH, NY, Ohio, Pen, SC,
‘No. 2’ Ritcher, 1931 (<i>Simulium</i> sp.)	Ten, Vir, Wis, WV); Canada (Lab, NB, Nfld, Ont, PEI,
‘A’ Johannsen, 1934 (<i>Simulium</i> sp.)	Que incl. Magdalen Islands). [‘Japan’ error]
‘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
‘X’ Madahar, 1969 (<i>Cnephia</i> cytoform)	Islands); USA (Cal, Was)
<i>premutata</i> : incorrect subsequent spelling	
takeshii Takaoka, 2005	Japan (Honshu)
trigonium (Lundström, 1911) (complex)	Finland; Belarus, Canada (Nun, NWT), Denmark, Japan
<i>freyi</i> (Enderlein, 1929) [Russia (Murmansk)]	(Hon), Latvia, Norway, Russia (CR, KM, NR), Siberia
<i>richteri</i> Enderlein, 1930 [Russia (Murmansk)]	(FE, WS), Sweden, Ukraine, USA (Alaska),
<i>asema</i> Rubtsov, 1956 [Siberia (Maritime FE)]	Netherlands (?). [‘Romania’ error]
<i>majalis</i> Rubtsov & Carlsson, 1965 [Russia (St. Petersburg)]†	[Yankovsky & Aibulatov, 2009 treat <i>majalis</i> , <i>dentata</i> ,
<i>dentata</i> Rubtsov & Carlsson, 1965 [Russia (Sverdlovskaya)]	and <i>haematophaga</i> as valid spp.]
<i>haematophaga</i> Rubtsov & Carlsson, 1965 [Russia (Permskaya)]	
‘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]	
[<i>sibirica</i> : Rubtsov, 1940, not Enderlein]	
tundrensis Yankovsky & Aibulatov, 2009	Siberia (Magadanskaya FE, ES)
xantha 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)

alichurensis (Rubtsov, 1967)	Tajikistan
argylacea (Rubtsov, 1947)	Tajikistan; Kazakhstan
brevineckoi Wen, Ma & Chen, 2010	China (Qinghai)
derzhavini (Rubtsov, 1940)	Siberia (Kamchatka FE)
<i>derzharini</i> : incorrect subsequent spelling	

filidistans (Rubtsov, 1947)	Tajikistan; Uzbekistan
<i>sulcata</i> (Rubtsov, 1956) [Tajikistan]	
flavipes (Chen, 1984)	China (Inner Mongolia)
<i>flavips</i> , <i>flavopes</i> : incorrect subsequent spellings	
galinae Yankovsky, 1989	Mongolia
jankovskiae (Rubtsov, 1956)	Kyrgyzstan; Kazakhstan
jeholensis (Takahasi, 1942)	China (Hebei)
jingpengensis (Chen, 1984)	China (Inner Mongolia)
lobashovi Rubtsov, 1976	Tajikistan
<i>lobaschovi</i> : incorrect subsequent spelling	
octodecimfilata (Rubtsov & Violovich, 1965)	Siberia (Tuva WS)
ovtshinnikovi (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	
pandjensis (Rubtsov, 1967)	Tajikistan
petrovae Rubtsov, 1976	Tajikistan
<i>petrovi</i> Petrova, 1973 (unav., <i>nomen nudum</i>)	
<i>petrovi</i> Petrova, 1974 (available, incorrect spelling)	
stegostyla (Rubtsov, 1961)	Kazakhstan; Kyrgyzstan, Siberia (Tuva WS)
<i>stegostila</i> : incorrect subsequent spelling	
stekolnikovi Yankovsky, 2008	Siberia (Altai WS)
syrdarjensis Rubtsov, 1978	Kazakhstan
<i>syardariensis</i> : incorrect subsequent spelling	
tungus (Rubtsov, 1956)	Siberia (Krasnoyarsk ES, Irkutskaya ES); Mongolia
<i>tungussica</i> (Berzina, 1957) (unav., <i>nomen nudum</i>)	
undecimata (Rubtsov, 1951)	Kazakhstan [neotype]; China (Xi), Kyrgyzstan,
[<i>subgriseum</i> : Rubtsov, 1940 (part)]	Turkmenistan, Uzbekistan (?)
viculinae Yankovsky, 1989	Kyrgyzstan
vitalii (Rubtsov, 1967)	Tajikistan
znoikoi (Rubtsov, 1940)	Azerbaijan (Nakhichevan); Armenia, Iran, Kazakhstan,
<i>znoicoi</i> , <i>znojko</i> , incorrect subsequent spellings	Turkey

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)

atzompenis, *atzopensis*: incorrect subsequent spellings

fortunensis (Petersen, 1984) [<i>in</i> Petersen & Mendez]	Panama
‘A’ Petersen, Adames & De León, 1983 (<i>Mayacnephia</i> 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 (<i>Simulium</i> 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 (2012) inventory entries marked with one dagger (†)

albellum species-group. We follow the revision of Hernández (2011, *Systematics of the Blackfly Subgenus Trichodagmia Enderlein (Diptera: Simuliidae: Simulium) in the New World*) in subsuming *Obuchovia*, as the *albellum* species-group, under *Trichodagmia*. The synonymy originally had been proposed by Adler, Currie & Wood (2004, *The Black Flies (Simuliidae) of North America*: 369).

annuliforme. Raastad, Usova & Kuusela (2010, *Blackflies of Northern Europe (Diptera: Simuliidae)*: 20) found only the genitalia of the type of *S. annuliforme*. They stated that the illustration by Rubtsov (1962, *Die Fliegen der palaearktischen Region (III)* 14: 277-278) did not “conform quite well” with the type, and claimed that there is little doubt *annuliforme* should be a synonym of *annulus*. However, the nonbiting mouthparts and minute sensory vesicle of the female illustrated by Rubtsov (1962), if representative of the type, do not indicate *annulus*, but rather a species in the *baffinense* group. We, therefore, retain *annuliforme* in the *baffinense* group.

beltukovae. Ilmonen, Adler, Malmqvist & Cywinska (2009, *Zoological Journal of the Linnean Society* 156: 847-863) indicated that *juxtacrenobium* might be a synonym of *erectum*, but the condition of the holotype of the latter did not permit a definitive decision. In the interest of nomenclatural stability, we accept the synonymy of *erectum* with *beltukovae*. Raastad, Usova & Kuusela (2010, *Blackflies of Northern Europe (Diptera: Simuliidae)*: 25) synonymized *minutum* Rubtsov, 1959, with *beltukovae*, recognizing that *minutum* Rubtsov, 1959, was preoccupied, but apparently unaware of the substitute name *minuticorpus* (Yankovsky, 1996). We agree with the synonymy. The synonymy of *carpathicum* with *beltukovae* has been suspected informally, based on morphological criteria, by us and others, such as J. Ilmonen and D. M. Wood; we agree with the synonymy of Raastad, Usova & Kuusela (2010, *Blackflies of Northern Europe (Diptera: Simuliidae)*: 25).

bilineata. We accept the synonymies proposed by Raastad, Usova & Kuusela (2010, *Blackflies of Northern Europe (Diptera: Simuliidae)*: 7), recognizing that the resulting distributional range for *M. bilineata* becomes enormous, with the implication that *M. bilineata* is probably a species complex, as suggested for *saileri* by Adler, Currie & Wood (2004, *The Black Flies (Simuliidae) of North America*: 304). Raastad, Usova & Kuusela (2010, *Blackflies of Northern Europe (Diptera: Simuliidae)*: 7) claimed, based on correspondence from H. Zwick, that *fuscipes* Fries 1824 is a valid name in the *ruficorne* group, but did not indicate to which of the two Fennoscandian species (*angustitarse* or *lundstromi*), if either, the name should apply. We have not seen the Fries material and, therefore, tentatively place the name in the *S. ruficorne* species-group as a distinct entity, pending further study. If *fuscipes* Fries 1824 is correctly placed in the *ruficorne* group, either *angustitarse* or *lundstromi* likely falls as a synonym of *fuscipes*.

dogieli. Two eight-filamented species in the subgenus *Hellichiella* have been confirmed as chromosomally distinct in northern Fennoscandia (Rothfels & Golini, 1983, *Canadian Journal of Zoology* 61: 1220-1231). These entities have been linked to the names *rendalense* and *usovae*. Their relationships to *S. dogieli* and *S. fallisi* have remained problematic (Golini, 1987, *Canadian Journal of Zoology* 65: 708-721). Despite considerable prospecting in northern Finland and Sweden, and associated chromosomal examination, no additional species of *Hellichiella* have been found. The implication is that either *rendalense* or *usovae* is a synonym of *dogieli*, but not both. We accept the synonymy of *rendalense* with *dogieli*. Chromosomal studies in arctic Canada suggest that *usovae* might be a synonym of *anatinum*, chromosomal intermediates occurring in a large swath through northcentral Canada (Adler, unpublished).

elatum. Raastad, Usova & Kuusela (2010, *Blackflies of Northern Europe (Diptera: Simuliidae)*: 28) suggest that *elatum* is an older name for *cryophilum*. The type locality of *elatum* is Azerbaijan. Recent chromosomal study of *cryophilum* in neighboring Armenia (Adler, unpublished) indicates a different cytoform; therefore both names, *cryophilum* and *elatum*, might apply to legitimate species; more study, especially of geographically intermediate populations, is necessary before recommending synonymy.

elburnum. Raastad, Usova & Kuusela (2010, *Blackflies of Northern Europe (Diptera: Simuliidae)*: 36) proposed synonymy of *elburnum* Rubtsov & Carlsson, 1965, with *tsheburovae*. We feel that the synonymy is ill conceived. The name *elburnum* was proposed for the species identified by Rubtsov (1956, *Blackflies (fam. Simuliidae) [Moshki (sem. Simuliidae)]*: 361-362) as *S. minutissimum*. The life stages of *S. minutissimum* illustrated by Rubtsov (1956), however, appear to be those of a member of the subgenus *Boreosimulium*, probably *S. annulus*, as evidenced by the prominent anteriorly directed apodeme on each arm of the genital fork, tapered male gonostylus with a crook at midlength, four-filamented pupal gill, and simple cocoon. We, therefore, synonymize *elburnum* with *annulus*.

fuscipes. This species previously was placed in the genus *Metacnephia*. See note above for *bilineata*.

keenani. The suggested synonymy of *keenani* with *earlei* by Shelley, Hernández, Maia-Herzog, Luna-Dias & Garritano (2010, *The Blackflies (Diptera: Simuliidae) of Brazil*: 64) was legitimized by Hernández (2011, *Systematics of the Blackfly Subgenus*

Trichodagmia Enderlein (Diptera: Simuliidae: *Simulium*) in the New World: 41).

latimanus. Given the revalidation of *S. galeratum* as a distinct species, supported by molecular data (Day, Goodall & Post (2008, *Medical and Veterinary Entomology* **22**: 55-61), the recall by Raastad, Usova & Kuusela (2010, *Blackflies of Northern Europe* (Diptera: Simuliidae)) of *latimanus* (with *reptantoides* as its synonym) from synonymy with *reptans* seems premature; we, therefore, retain *latimanus* and *reptantoides* in synonymy with *reptans*.

longibranchiale. This name was first used in print by Raastad, Usova & Kuusela (2010, *Blackflies of Northern Europe* (Diptera: Simuliidae): 28), who stated that it refers to a label on a specimen in the Rubtsov collection.

macropyga. The type locality of this species previously has been reported as Finland; however, Jari Ilmonen (pers. comm.) has pointed out to us that the type locality is Russia, not Finland. The original description states that the type specimens were collected from “Lapponia rossica, Lmur, Litsa in der Nähe der Küste des Eismeer.” The village Litsa is in the Murmansk Region and has never been a part of independent Finland.

majalis. Although Raastad, Usova & Kuusela (2010, *Blackflies of Northern Europe* (Diptera: Simuliidae): 14) recognize *St. majalis* as a valid species and revalidate the name, the genus *Stegopterna* in Fennoscandia consists of at least four cytoforms (Adler, Malmqvist & Zhang, 1999, *Entomologica Scandinavica* **29**: 361-382), and currently is too confused to assign names confidently. Raastad, Usova & Kuusela (2010) state that *St. trigonium* cytospecies 1 of Adler, Malmqvist & Zhang (1999) might be *majalis*, but do not provide rationale for the claim.

meigeni. Raastad, Usova & Kuusela (2010, *Blackflies of Northern Europe* (Diptera: Simuliidae): 19) declared that the name *meigeni*, as published by Rubtsov & Carlsson (1965, *Acta Universitatis Lundensis* (II) **18**: 19), is a *nomen nudum* and that its validity should start with Rubtsov (1971, New and Little-known Species in the Fauna of Siberia [Novye i Maloizvestnye Vidy Fauny Sibiri] **5**: 103-104). The name, however, is available, as discussed by Crosskey, Adler, Zunming & Chengyu (1996, *Journal of Natural History* **30**: 418). Further, Rubtsov recognized the Rubtsov & Carlsson (1965) name as available and valid because he headed his 1971 treatment “*meigeni* Rubz. et Carlss.” Although the 1971 treatment gives new information (figure and material data, including ‘holotype’ statement), Rubtsov gives no indication that he thought *meigeni*, as first published in 1965, was a *nomen nudum*. On the interpretation that *meigeni* Rubtsov & Carlsson (1965) is available, the material on which Murmansk, Leningrad, and Scandinavia distribution records are based comprises the type material (i.e., syntypes); Yankovsky’s (1995, *Catalogue of Type Specimens in the Collection of the Zoological Institute, Russian Academy of Sciences* [Katalog Tipovykh Ekzempliarov Kollektii Zoologicheskogo Instituta RAN: 37) designation of a lectotype (a female from Murmansk) for *meigeni* Rubtsov & Carlsson (1965), therefore, is valid. (See also Notes for *dogieli* and *tsheburovae*).

mixtum. This name was first used in print by Raastad, Usova & Kuusela (2010, *Blackflies of Northern Europe* (Diptera: Simuliidae)), who stated that it refers to a label on a specimen in the Rubtsov collection.

ramificata. Despite extensive sampling in Fennoscandia, only three species of *Metacnephia* have been revealed chromosomally (*M. bilineata* [previously *M. saileri*], *M. lyra*, and *M. tredecimata*). We, therefore, do not recognize the report of Raastad, Usova & Kuusela (2010, *Blackflies of Northern Europe* (Diptera: Simuliidae)) of *M. ramificata* from Fennoscandia, and we continue to treat *trigoniformis* in the synonymy of *lyra*.

sericeum. This name formerly was synonymized with *reptans*. We have no reason not to accept it as a synonym of *truncatum*, although no comment was given by Raastad, Usova & Kuusela (2010, *Blackflies of Northern Europe* (Diptera: Simuliidae)) as to why the junior synonym is being treated as the valid name.

subpusillum. The opinion of Raastad, Usova & Kuusela (2010, *Blackflies of Northern Europe* (Diptera: Simuliidae): 44) that *S. subpusillum* is equivalent to *S. annulitarse* is incorrect. *Simulium annulitarse*, based on syntype females and the established lectotype, is clearly a member of the *S. tuberosum* species-group (Adler, Malmqvist & Zhang, 1999, *Entomologica Scandinavica* **29**: 375), and the name falls under *subpusillum* only in the misidentified sense. Further, their claim that the designation of a neotype for *S. subpusillum* by Adler, Currie & Wood, 2004 (*The Black Flies* (Simuliidae) of North America: 348) is unjustified overlooks the fact that the lectotype established by Yankovsky (1995) is based on a specimen collected 15 years after the original description of the species and, therefore, has no status.

tsheburovae. Although Raastad, Usova & Kuusela (2010, *Blackflies of Northern Europe* (Diptera: Simuliidae): 36) placed *S. tsheburovae* in the subgenus *Nevermannia*, we retain it in the subgenus *Hellichella*, as per Adler & Crosskey (2011, *World Blackflies* (Diptera: Simuliidae): a Comprehensive Revision of the Taxonomic and Geographical Inventory [2011]; Note for 2008 Inventory). Within the subgenus *Hellichella*, the name *tsheburovae* probably will subsume one or more of the existing Palearctic species names in this subgenus (*dogieli*, *fallisi*, *meigeni*, *rendalense*, *usovae*).

tumulosum. The synonymy of *tumulosum* with *janzeni* proposed by Raastad, Usova & Kuusela (2010, *Blackflies of Northern Europe* (Diptera: Simuliidae): 59) is unlikely and not accepted here because the distributions of *S. janzeni* and *S. tumulosum*

probably do not overlap. *Simulium janzeni* is a European species not known from Fennoscandia, whereas the type locality of *S. tumulosum* is Siberia (Irkutskaya).

zetterstedti. Although the name *zetterstedti* would seem to apply to a member of the *reptans* species-group based on Carlsson's (1962, *Opuscula Entomologica (Supplement)* **21**: 26) illustration of the male genitalia, Raastad, Usova & Kuusela (2010: 44) regard it as a member of the subgenus *Schoenbaueria*. If Carlsson (1962) based his illustration on the specimen that he designated as the holotype, which we have not seen, then *S. zetterstedti* is clearly a member of the *S. reptans* species-group; we retain it as such, recognizing that it eventually could fall into synonymy with *reptans*.

Summary of new combinations and new synonyms for 2011

***Simulium zagros* (Yankovsky, 2010) Comb. n.**

***Simulium birzhankolum* (Yankovsky, Isakaev & Khasanova, 2010) Comb. n.**

***Simulium iranicum* (Yankovsky, 2010) Comb. n.**

***Simulium lurestanicum* (Yankovsky, 2010) Comb. n.**

Notes for the current (2011) inventory entries marked with four asterisks (****)

Shelley, Hernández, Maia-Herzog, Luna-Dias & Garritano (2010, *The Blackflies (Diptera: Simuliidae) of Brazil*) list 9 *species inquirendae*. We do not use this designation, choosing instead to retain these entities as recognized taxa, that is, as hypotheses to be tested. Their placement in the Inventory reflects the best information currently available. *Species inquirendae* listed by Shelley *et al.* (2010) are the following (alphabetically): *blantoni*, *catarinense*, *fuliginis*, *incertum*, *infuscatum* (*varietas inquirenda*; p. 204), *jacobsi*, *lurybayae*, *paranense*, *parimaense*.

Araucnephia. See note below for *Lutzsimulium*.

Araucnephioides. See note below for *Lutzsimulium*.

ignacioi. Shelley, Hernández, Maia-Herzog, Luna-Dias & Garritano (2010, *The Blackflies (Diptera: Simuliidae) of Brazil*: 391-392) list *ignacioi* as a synonym of *rorotaense*. However, because a chromosomally and morphologically distinct species occurs in the general area of the type locality of *ignacioi* (Hamada & Grillet, 2001, *Entomotropica* **16**: 34), we maintain *ignacioi* as the name for this distinct species until contrary evidence comes to light.

keenani. Shelley, Hernández, Maia-Herzog, Luna-Dias & Garritano (2010, *The Blackflies (Diptera: Simuliidae) of Brazil*: 64) suggest that *keenani* might be a synonym of *earlei*.

Lutzsimulium. Shelley, Hernández, Maia-Herzog, Luna-Dias & Garritano (2010, *The Blackflies (Diptera: Simuliidae) of Brazil*: 150-151) synonymised *Araucnephia* and *Araucnephioides* with *Lutzsimulium*. Cladistic analysis, however, indicates that these groups do not form a monophyletic group (Gil-Azevedo, 2010, *Zoologia* **27**: 761-768). We, therefore, retain them as separate genera until their proper phylogenetic placement can be resolved.

Psaroniocompsa. We follow Shelley, Hernández, Maia-Herzog, Luna-Dias & Garritano (2010, *The Blackflies (Diptera: Simuliidae) of Brazil*: 233-357) in their revised interpretation of the limits and species-groups of the subgenus *Psaroniocompsa*, which subsumes the erstwhile subgenus *Inaequalium*.

Psilopelmia. We follow Shelley, Hernández, Maia-Herzog, Luna-Dias & Garritano (2010, *The Blackflies (Diptera: Simuliidae) of Brazil*: 358-406) in their revised interpretation of the limits and species-groups of the subgenus *Psilopelmia*, which subsumes the erstwhile subgenus *Ectemnaspis*.

Simulioidea. Bertone, Courtney & Wiegmann (2008, *Systematic Entomology* **33**: 681), on the basis of four nuclear genes, concluded that the Simuliidae and Thaumaleidae are sister taxa and established the superfamily Simulioidea to accommodate these two families. By the Principle of Coordination (*Code*, Article 36.1), "a name established for a taxon at any rank in the family group is deemed to have been simultaneously established for nominal taxa at all other ranks in the family group." The superfamily Simulioidea, therefore, carries the authorship (Newman) and date (1834) of the family.

Tetrasimulium. This incorrect subsequent spelling of *Tetisimulium* was attributed by Zoological Record (2009, p. 561 of Diptera part, volume 145) to Zhang, Liu, Shi, Yang & Gong (2008, *Chinese Journal of Hygiene Insect & Equipment* **14**: 487). However, the name is spelled correctly by Zhang *et al.* but misspelled by Zoological Record. We rarely address details for incorrect spellings, but note this instance because of the key location of the error and the rarity with which Zoological Record indexers make these kinds of mistakes.

Trichodagmia. We follow Shelley, Hernández, Maia-Herzog, Luna-Dias & Garritano (2010, *The Blackflies (Diptera: Simuliidae) of*

Brazil: 406-464) in their revised interpretation of the limits and species-groups of the subgenus *Trichodagmia*, which subsumes the erstwhile subgenus *Hemicnetha*.

yui. The description and illustrations of *yui* presented by An & Ge (2009, *Acta Parasitologica et Medica Entomologica Sinica* **16**: 247-249) conform in all details with those of *S. decimatum*, although the pupal gill of *yui* is apparently presented upside down and the number of teeth on the mandible of the female is greater than typical specimens of *S. decimatum*. The type locality of *yui* also falls within the distribution of *S. decimatum*. We, therefore, synonymize *yui* with *decimatum*.

Summary of new combinations and new synonyms for 2010

Simulium lochmocola (Sun, 2008) **Comb. n.**

Simulium decimatum Dorogostaisky, Rubtsov & Vlasenko, 1935

yui An & Yan, 2009 **Syn. n.******

Notes for the 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, *Tsitologicheskoe 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; [later published: *British Simuliid Group Bulletin* **37**: 51]).

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, Currie & Wood, 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) lundii (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* (4th 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 calcpala. 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, Currie & Wood (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.

falculatum. 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.

fulvinothum. 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, Currie & Wood, 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 IIIIL 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, Currie & Wood (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, Currie & Wood (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*.

Pedrowygomyia. This genus probably should be synonymized with *Gigantodax* from which it was cleaved off by Coscarón & Miranda-Esquível (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.

Prosimulium. 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 CCCR*): 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, Currie & Wood, 2004, *The Black Flies (Simuliidae) of North America*: 314); consequently, we move this species from the *S. annulus* species-group of *Boreosimulium* and place it in the subgenus *Hellichiella* (*congarrenarum* 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, Currie & Wood (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*).