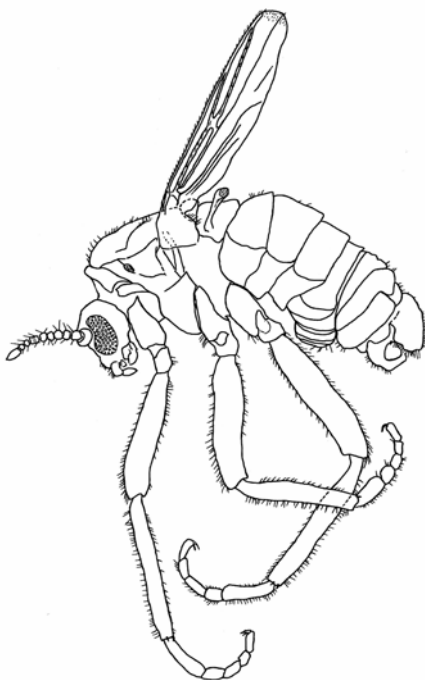


**A WORLD CATALOGUE
OF
CHIRONOMIDAE (DIPTERA)**
PART 2. ORTHOCLADIINAE (SECTION B)

compiled

by

Patrick Ashe and James P. O'Connor



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



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PART 2. ORTHOCLADIINAE (SECTION B)

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Cover illustration: adult male of *Metriocnemus (Crymaleomyia) brunneri* Ashe & O'Connor, originally described on pp 25-34 of Hoffrichter, O. (ed.) (2000) *Late 20th century research on Chironomidae*. Shaker Verlag, Aachen.

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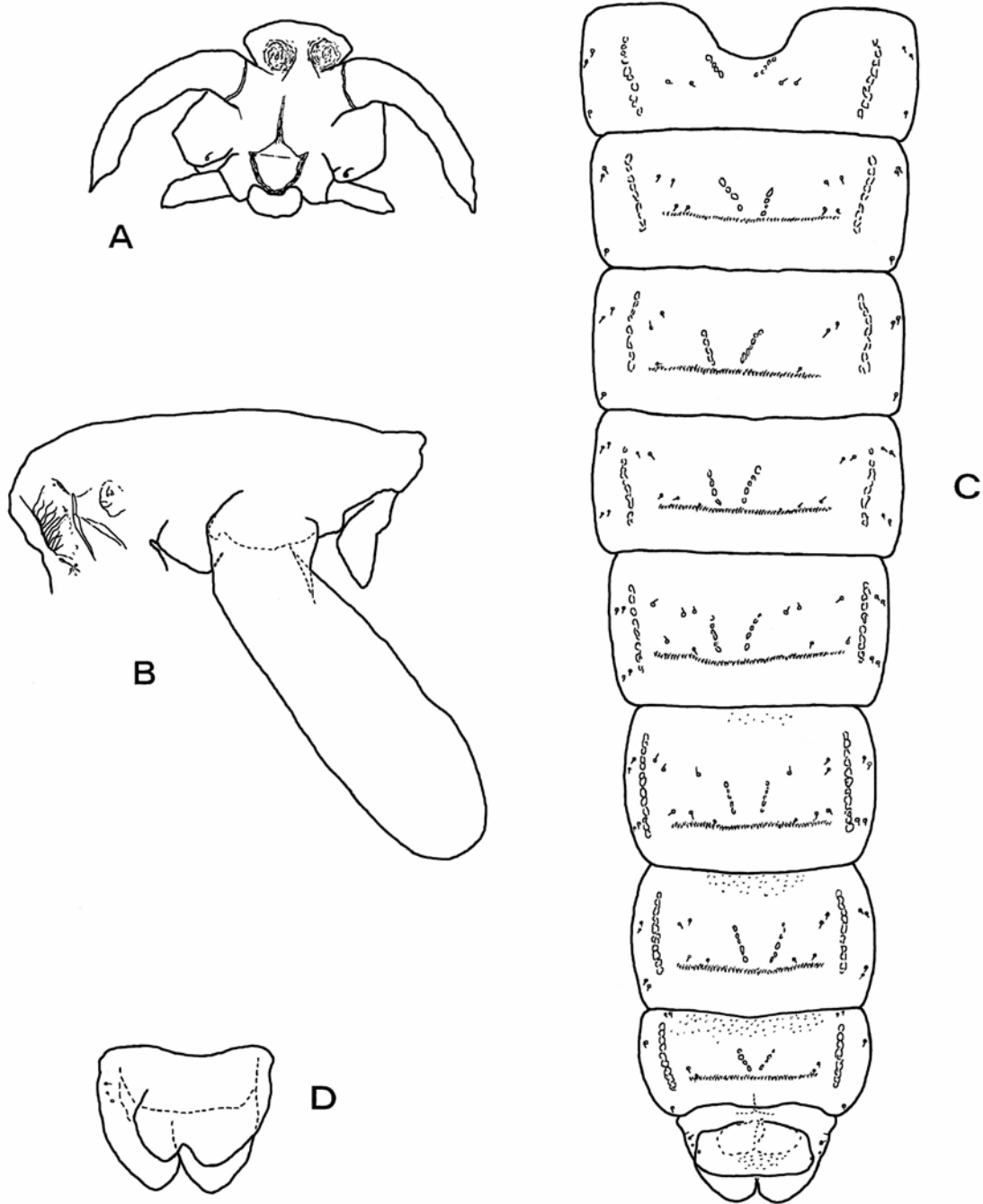


FIGURE 6. Pupa of *Metriocnemus (Crymaleomyia) brunneri* Ashe & O'Connor, from 5,000 metres in the Karakorum Mountains, Pakistan, described on pp 25-34 of Hoffrichter, O. (ed.) (2000) *Late 20th century research on Chironomidae. An anthology from 13th International Symposium on Chironomidae*. Shaker Verlag, Aachen. 661pp.

Genus **PARAMETRIOCNEMUS** GOETGHEBUER

- PARAMETRIOCNEMUS** GOETGHEBUER, 1932: *Faune de France* **23**: 22 (as subgenus of *Metriocnemus* Wulp, 1874). Type-species: *Metriocnemus stylatus* Spärck, 1923, by monotypy.
- aduncus** CHAUDHURI & BHATTACHARYAY in CHAUDHURI, BHATTACHARYAY & DUTTA, 1989: *Oriental Insects* **23**: 314 (*Parametriocnemus*). Type-locality: “INDIA: West Bengal: Darjeeling”. — Distr.: **OR**: India (West Bengal).
- arciger** (KIEFFER, 1925): *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 382 (*Metriocnemus*). Type-localities: [Czech Republic] “Tchécoslovaquie” [= Czeckoslovakia]; [Germany] “Ile de Rügen” [= island of Rügen]. — Distr.: **PA**: Belgium, Czech Republic, Germany.
- biappendiculatus** MAKARCHENKO & MAKARCHENKO, 2006: *Russian Entomological Journal* **15**(1): 91 (*Parametriocnemus*). Type-locality: {Russia, Far East} **Chukotskii poluostrov, zal. Kresta, ozero Seutakan** [= Chukotskiy Peninsula, Kresta Bay, Lake Seutakan]. — Distr.: **PA**: Russia (Far East).
- boreoalpinus** GOWIN & THIENEMANN, 1942: *Zoologischer Anzeiger* **140**(7/8): 105 (*Parametriocnemus*). Type-localities: “im Abiskogebiet in Schwedisch-Lappland . . . im Abiskojoek” [= in the Abisko region in Swedish Lapland . . . in the Abiskojoek]; “in einem kleinem bach, der in den See Vassijaure mündet” [= in a small brook, that runs into Lake Vassijaure]; “auf dem Torneträsk” [= from Torneträsk]; “dem unteren Kårsavaggesee” [= the lower Kårsavagge Lake]; [Austria] “Im Lunzer Seengebiet . . . in dem gleichen ersten Forellenteich . . . wie *Diplocladius lunzensis*” [= In the Lunz lakes region in the same first trout pool . . . as *Diplocladius lunzensis*, i.e. “Lunz (Niederdonau) . . . in dem obersten Forellenteich zwischen Biologischer Station und Lunzer Untersee”] [= Lunz (Lower Danube) . . . in the uppermost trout pool between the biological station and the 'Lower Lake' at Lunz]. — Distr.: **PA**: Austria, Belgium, Finland, France, Great Britain, Italy, Mongolia, Morocco, Norway, Poland, Russia (East Siberia, Far East), Slovakia, Spain, Sweden. [**Note**]

- brundini** (SINHARAY & CHAUDHURI, 1979): *Entomologica Scandinavica Supplement* **10**: 119 (*Parametriocnemus*). Type-locality: “India, West Bengal, Darjeeling Govt. College”. — Distr.: **OR**: India (West Bengal).
- capensis** (FREEMAN, 1954): *Proceedings of the Royal Entomological Society* (B) **23**(9/10): 173 (*Metriocnemus*). Type-locality: [South Africa] “Berg River, Assegaibos”. — Distr.: **AF**: South Africa, Togo.
- eoclivus** SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 108 (*Parametriocnemus*). Type-locality: [Canada] “Notch Road Spring, Gatineau Park, Que.” [Que. = Québec]. — Distr.: **NE**: Canada (Québec), U.S.A. (North Carolina, Tennessee); **PA**: Italy.
- famiheius** (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center 1996 (March)*: 57 (*Gymnometriocnemus*). Type-locality: [Introduction, p. 16] “Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill”; [p. 47] “at the side of Rokusen Lake” [= Lake B, p. 16]. — Distr.: **PA**: Japan.
- flavellus** (TOKUNAGA, 1964): *Insects of Micronesia* **12**(5): 504 (*Metriocnemus*). Type-locality: [Federated States of Micronesia] “Agric. Exp. Sta., Colonia, Ponape”. — Distr.: **OC**: Federated States of Micronesia. [**Note**]
- fordi** (FREEMAN, 1956): *Bulletin of the British Museum (Natural History) Entomology* **4**(7): 301 (*Metriocnemus*). Type-locality: “UGANDA: Kigezi Province, summit of Mt. Sabinio, 11–11,500 ft.”. — Distr.: **AF**: Uganda.
- fusiger** (KIEFFER, 1911): *Records of the Indian Museum* **6**(5): 346 (*Metriocnemus*). Type-locality: [India, Himachal Pradesh] “Himalaya occidental: Simla, à une altitude de 2340 mètres” [= western Himalayas: Simla, at an altitude of 2340 metres]. — Distr.: **OR**: India (Himachal Pradesh).
- graminicola** (LUNDBECK, 1898): *Videnskabelige Meddelelser fra Dansk Naturhistorisk Forening i Kjøbenhavn* **5**: 278 (*Chironomus*). Type-locality: “Nordgrønland i Sydostbugten” [= northern Greenland in Sydostbugten] [Lectotype designated in Oliver, 1970: *Entomologica Scandinavica* **1**(2): 105, “Kangersuak,

Greenland”]. — Distr.: **NE**: Canada (Alberta, Northwest Territories; Yukon Territory), Greenland; **PA**: Russia (Far East).

hamatus (JOHANNSEN, 1934): *Journal of the New York Entomological Society* **42**: 349 (*Metriocnemus*). Type-locality: [U.S.A.] “Ithaca, N. Y.” [N. Y. = New York]. — Distr.: **NE**: U.S.A. (Connecticut, Florida, Maine, New York, North Carolina, Ohio, South Carolina).

isigageheus (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(1): 9 (*Metriocnemus*). Type-locality: {Japan} [p. 4] “Ishigaki Island”; [p. 9] “on the slope of Mount Omotodake”. — Distr.: **OR**: Japan (Ryukyu Archipelago).

kamidenticularis (SASA & HIRABAYASHI, 1993): *Japanese Journal of Sanitary Zoology* **44**(4): 375 (*Pseudorthocladus*). Type-locality: {Nagano, Japan} [p. 362] “Kamikochi”; [p. 375] “at (H)” [= Nishiitoya Hotel]. — Distr.: **PA**: Japan.

kurilensis MAKARCHENKO & MAKARCHENKO, 2006: *Russian Entomological Journal* **15**(1): 91 (*Parametriocnemus*). Type-locality: {Russia, Far East} **Kuril'skie ostrova, o-v Ketoi** [= Kuril Islands, Ketoi Island]. — Distr.: **PA**: Russia (Far East).

kurolemeus SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center 1996 (December)*: 27 (*Parametriocnemus*). Type-locality: [Japan] “at the side of Kuroyon Dam”. — Distr.: **PA**: Japan.

lundbeckii (JOHANNSEN, 1905): *Bulletin of the New York State Museum* **86**: 302 (*Metriocnemus*; as nom. nov. for *Chironomus nanus* sensu Lundbeck, 1898 nec Meigen, 1818). Type-locality: “Southern Greenland” || ▶ Type-locality: “sydlige Grønland; Ipiutat i Tunugdliarfikfjord, Ivigtut” [= southern Greenland; Ipiutat in Tunugdliarfikfjord, Ivigtut (now Ivittuut)] in Lundbeck, 1898: *Videnskabelige Meddelelser fra Dansk Naturhistorisk Forening i Kjøbenhavn* **5**: 285-286 ◀ ||. — Distr.: **NT**: Guatemala, St. Vincent; **NE**: Canada (Alberta, Ontario, Québec, Saskatchewan), Greenland, U.S.A. (Alabama, Arizona, California, Florida, Georgia, Michigan, New Mexico, New York, North Carolina, Ohio, South Carolina, Texas); **?PA**: ?Romania, ?Russia (CET).

- innocuus* (CURRAN, 1930): *Bulletin of the American Museum of Natural History* **61**: 33 (*Metriocnemus*). Type-locality: [U.S.A.] [p. 21] “Harriman Interstate Park . . . near the southern end of the park about three miles from the village of Tuxedo, N. Y.” [N. Y. = New York].
- ornaticornis** (KIEFFER, 1917): *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 225 (*Metriocnemus*). Type-locality: [Australia] “N. S. Wales : Sydney” — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Western Australia).
- scotti** (FREEMAN, 1953): *Proceedings of the Royal Entomological Society (B)* **22**(7/8): 129 (*Metriocnemus*). Type-locality: [South Africa] “Cape Province, Kirstenbosch”. — Distr.: **AF**: Ethiopia, Kenya, Madagascar, South Africa, Uganda, Zambia, Zimbabwe.
- seiryukeleus** (SASA, SUZUKI & SAKAI, 1999): *Tropical Medicine* **40**(3): 111 (*Metriocnemus (Metriocnemus)*). Type-locality: [Abstract, p. 99] “Shimanto River, western Shikoku Island, Japan”; [p. 111] “at the side of Hiromi Branch River in Hiyoshi-mura”. — Distr.: **PA**: Japan.
- shoukouzoensis** (SASA, 1989): *Research Report Toyama Prefectural Environmental Pollution Research Center* **1989**: 42 (*Heterotrissocladius*). Type-locality: [Japan] {Shou River . . . Toyama Prefecture} “at St. 2, Kouzo”. — Distr.: **PA**: Japan.
- stylatus** (SPÄRCK, 1923): *Entomologische Meddelelser* **14**(2/3): 96 (*Metriocnemus*). Type-localities: [Germany] “in Moosen in einem Bache bei St. Ottilien, Oberbayern” [= in mosses in a brook at St. Ottilien, Upper Bavaria]; “in Windachbach ebenda gefunden” [= found in Windachbach at the same place, i.e. at St. Ottilien, Upper Bavaria]. Senior primary homonym and senior synonym of *Metriocnemus stylatus* Kieffer, 1924 (below). — Distr.: **PA**: Austria, Azores, Balearic Islands, Belgium, Canary Islands, China (Beijing, Henan), Corsica, Czech Republic, Denmark, Estonia, Finland, France, Georgia, Germany, Great Britain, Hungary, Ireland, Italy, Japan, Lebanon, Luxembourg, ?Madeira, Morocco, Netherlands,

Norway, Poland, Portugal, Romania, Russia (CET, NET, East Siberia, Far East, West Siberia), Sicily, Slovakia, South Korea, Spain, Sweden, Switzerland, Tunisia, Turkey; **OR**: China (Fujian, Zhejiang), Japan (Ryukyu Archipelago).

[**Note**]

stylatus (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 97 (*Metriocnemus*). Type-locality: [Germany] “Bavière : St. Ottilien”.

Preoccupied. Junior primary homonym and junior synonym of *Metriocnemus stylatus* Spärck, 1923 (above). [**Note**]

adzharicus KOWNACKI & ZOSIDZE, 1973: *Bulletin de la Académie Polonaise des Sciences, Série des Sciences Biologiques* **21**(2): 127 (*Parametriocnemus*; as subspecies of *stylatus* Kieffer, 1924). Type-locality: [Georgia] “Tshakvistskhali river on the locality of Khala (115 m altitude)”. **Syn. nov.** [**Note**]

togaluridus (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 139 (*Gymnometriocnemus*). Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”; [p. 139] “Toga River”.

togabilateralis SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 155 (*Parametriocnemus*). Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”; [p. 155] “at Momose”. — Distr.: **PA**: Japan.

togabilateralis SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Parametriocnemus*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

togadigitatis SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 155 (*Parametriocnemus*).

Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”. — Distr.: **PA**: Japan.

togadigitatis SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Parametriocnemus*).

Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

togavirgus SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 156 (*Parametriocnemus*).

Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”; [p. 156] “at Momose”. — Distr.: **PA**: Japan.

triquetrius (CHAUDHURI & BHATTACHARYAY in CHAUDHURI, BHATTACHARYAY & DHUTTA, 1989): *Oriental Insects* **23**: 318 (*Paraphaenocladus*). Type-locality: “INDIA: West Bengal: Darjeeling”. — Distr.: **OR**: India (West Bengal). [**Note**]

tusimouveus (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 97 (*Metriocnemus*). Type-locality: [Introduction, p. 75] “Tsushima Island . . . western Japan”; [p. 97] “at 4 different localities on Tsushima”. — Distr.: **PA**: Japan. [**Note**]

tusimoveweus (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 98 (*Metriocnemus*). Type-locality: [Introduction, p. 75] “Tsushima Island . . . western Japan”. — Distr.: **PA**: Japan.

tusimoxeyeus (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 100 (*Paraphaenocladus*). Type-locality: [Introduction, p. 75] “Tsushima Island . . . western Japan”. — Distr.: **PA**: Japan.

valescurensis MOUBAYED & LANGTON, 1999: *Nouvelle Revue d'Entomologie (N. S.)* **16**(2): 155 (*Parametriocnemus*). Type-locality: “Valescure spring and ruisselet, upper stream of Real Collobrier basin, Var department (southern France),

altitude 250 m”. — Distr.: **PA**: France, Morocco, Spain.

vespertinus SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 119 (*Parametriocnemus*). Type-locality: [Canada] “large mountain stream, Rowe Creek, above highway to Cameron Lake, Waterton National Park, Alta.” [Alta. = Alberta]. — Distr.: **NE**: Canada (Alberta).

zorinae MAKARCHENKO & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**(1): 121 (*Parametriocnemus*). Type-locality: “Perekatnaya River, Lazovsky Nature Reserve, Primorye Territory, Russian Far East”. — Distr.: **PA**: Russia (Far East).

“*lundbecki* (Joh.) var.”: SÆTHER, 1981: *Entomologica Scandinavica Supplement* **16**: 18 (*Parametriocnemus*). Locality: “442 m a.s.l., below waterfall, Majorca, Yambou River, St. Vincent”. — Distr.: **NT**: St. Vincent.

sp. 1: ROBACK & COFFMAN, 1983: *Proceedings of the Academy of Natural Sciences of Philadelphia* **135**: 35 (*Parametriocnemus*). Locality: “PERU: BP 20” [= Río Chullumpi ó Cutimbo (Cutimbo) above Curacalla, SW of Puno, . . . alt. 3800 m]. — Distr.: **NT**: Peru.

sp. 2: ROBACK & COFFMAN, 1983: *Proceedings of the Academy of Natural Sciences of Philadelphia* **135**: 36 (*Parametriocnemus*). Localities: “VENEZUELA: VEN 6” [= Stream (third order) at bridge W of Santo Domingo along Barinas-Merida highway, alt. 3230 m]; “VEN 8” [= Santo Domingo River near elementary school “El Baho” along Barinas-Merida highway, alt. 2490 m]; “VEN 9” [= Santo Domingo River at highway bridge along Barinas-Merida highway, alt. 2620 m]. — Distr.: **NT**: Venezuela.

sp. 3: ROBACK & COFFMAN, 1983: *Proceedings of the Academy of Natural Sciences of Philadelphia* **135**: 36 (*Parametriocnemus*). Localities: “VENEZUELA: VEN 5” [= Stream at bridge ca 1.6 km W of Santo Domingo along Barinas-Merida highway, alt. 1920 m]. — Distr.: **NT**: Venezuela.

sp.: COFFMAN, YURASITS & DE LA ROSA, 1988: *Spixiana Supplement* **14**: 85 (*Parametriocnemus*). Locality: “South India”. — Distr.: **OR**: India (Kerala or

Tamil Nadu).

- sp.: WATSON & HEYN, 1993: *Netherlands Journal of Aquatic Ecology* **26**(2/4): 259 (*Parametriocnemus*). Localities: “Costa Rica . . . A, C, G, S 275 - 1990 m” [= Costa Rica . . . Alajuela, Cartago, Guanacaste & San Jose Provinces 275 - 1990 metres]. — Distr.: NT: Costa Rica.
- sp.: OSPINA-TORRES, RISS & RUIZ, 1999: *Insectos de Colombia* II: 376, 380 (*Parametriocnemus*). Locality: {Colombia} “Sabana de Bogotá”. — Distr.: NT: Colombia.
- sp.: TRIVINHO-STRIXINO, 2011: *Larvas de Chironomidae Guia de Identificação*: 283 (*Parametriocnemus*). Locality: “Brazil”. — Distr.: NT: Brazil.

Nomina dubia probably in PARAMETRIOCNEMUS

- algerinus* (MARCUZZI, 1950): *Annalen des Naturhistorischen Museums in Wien* **57**: 275 (*Metriocnemus*). Type-locality: “Hassi Babah, Algeria centrale” [= Hassi Bahbah, central Algeria].

Genus PARAPHAENOCLADIUS THIENEMANN

- PARAPHAENOCLADIUS** THIENEMANN in SPÄRCK & THIENEMANN, 1924: *Verhandlungen der Internationalen Vereinigung für Theoretische und Angewandte Limnologie* **2**: 223. Type-species: *Metriocnemus ampullaceus* Kieffer, 1923 [= *Chironomus impensus* Walker, 1856], by original designation.
- TOSACLADIUS** SASA, SUZUKI & SAKAI, 1999: *Tropical Medicine* **40**(3): 112 (as subgenus of *Metriocnemus* Wulp, 1874). Type-species: *Metriocnemus (Tosacladius) seiryulemeus* Sasa, Suzuki & Sakai, 1999, by original designation. Synonymized with *Paraphaenocladus* Thienemann, 1924, by Yamamoto (2004: *Makunagi* **21**: 70).
- brevinervis** (HOLMGREN, 1869): *Kungliga Svenska VetenskapsAkademiens Handlingar* **8**(5): 39 (*Chironomus*). Type-locality: [Norway] “Hab. in Spetsbergia ad Green Harbour” [= Dwells in Spitzbergen at Green Harbour] [Lectotype designated in Sæther, 1989: *Entomologica Scandinavica* **19**(4): 394, “Green Harbour,

Spitsbergen, Norway”]. — Distr.: **NE**: Canada (Nunavut), Greenland; **PA**: Novaya Zemlya, Spitzbergen.

despectus (KIEFFER, 1926): *Norsk Entomologisk Tidsskrift* **2**: 87 (*Metriocnemus*). Type-localities: [Canada, Nunavut, Ellesmere Island] “Havnen” [= Gåsefjord]; “Vinter Havnen” [= Gåsefjord] [Lectotype designated in Sæther, Sublette & Willassen, 1984: *Entomologica Scandinavica* **15**(2): 264, “Canada: Northwest Territories, Ellesmere Island, “Vinter Havnen” (= Gåsefjord)”. [Ellesmere Island now in Nunavut Province].

crassicaudatus SÆTHER & WANG, 1995: *Entomologica Scandinavica Supplement* **48**: 35 (*Paraphaenocladus*). Type-locality: “TANZANIA: Tanga, West Usumbara Mts.”. — Distr.: **AF**: Tanzania.

cuneipennis (FREEMAN, 1961): *Mémoires de l'Institut Scientifique de Madagascar* (Série E) **12**: 239 (*Metriocnemus*). Type-locality: “Madagascar Centre : Moramanga, 1.000 m”. — Distr.: **AF**: Madagascar.

dewulfi (GOETGHEBUER, 1936): *Revue de Zoologie et de Botanique Africaines* **28**: 491 (*Metriocnemus*; as “*Dewulfi*”). Type-locality: [Democratic Republic of the Congo] “Rutshuru”. — Distr.: **PA**: Saudi Arabia; **AF**: D.R.Congo, South Africa, Tanzania, Zimbabwe.

exagitans (JOHANNSEN, 1905): *Bulletin of the New York State Museum* **86**: 303 (*Metriocnemus*). Type-locality: [U.S.A.] “Ithaca N. Y.” [N. Y. = New York]. — Distr.: **NT**: ?Bolivia, Brazil, Costa Rica, ?Guatemala, St. Vincent, Trinidad; **NE**: Canada (Northwest Territories, Ontario), U.S.A. (Arizona, California, Colorado, Florida, Georgia, Illinois, Kansas, Minnesota, New Hampshire, New Mexico, New York, North Carolina, Ohio, South Carolina, South Dakota, Tennessee, Wisconsin); **PA**: Austria, China (Ningxia, Tibet), Finland, Germany, ?Great Britain, Ireland, Japan, Luxembourg, Norway, Russia (Far East), Spain, Switzerland; **OR**: China (Fujian), Japan (Ryukyu Archipelago).

exagitans subsp. **exagitans** (JOHANNSEN, 1905): *Bulletin of the New York State Museum* **86**: 303 (*Metriocnemus*). Type-locality: [U.S.A.] “Ithaca N. Y.” [N. Y. = New

York]. — Distr.: **NE**: Canada (Northwest Territories, Ontario), U.S.A. (Arizona, California, Colorado, Florida, Georgia, Kansas, Illinois, New York, New Hampshire, New Mexico, North Carolina, Ohio, South Carolina, South Dakota, Tennessee, Wisconsin); **PA**: China (Ningxia, Tibet), Russia (Far East); **OR**: China (Fujian), Japan (Ryukyu Archipelago).

brachyneura (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 498 (*Metriocnemus*). Type-locality: [U.S.A.] “Muncie, Ill., . . . on bank of Stony Creek” [Ill. = Illinois].

ryutanus (SASA & HASEGAWA, 1988): *Japanese Journal of Sanitary Zoology* **39**(3): 241 (*Metriocnemus*). Type-locality: {Ryukyu Islands, southern Japan} “on the shore of Lake Ryutan, Shuri, Okinawa Island”.

exagitans subsp. **longipes** SÆTHER & WANG, 1995: *Entomologica Scandinavica Supplement* **48**: 52 (*Paraphaenocladius*; as subspecies of *exagitans* Johannsen, 1905). Type-locality: “COSTA RICA: Guanacaste prov., Cacao”. — Distr.: **NT**: ?Bolivia, Brazil, Costa Rica, ?Guatemala, St. Vincent, Trinidad.

exagitans subsp. **monticola** STRENZKE, 1950: *Archiv für Hydrobiologie Supplement* **18**(2): 211 (*Paraphaenocladius*; as subspecies of *impensus* Walker, 1856). Type-localities: [Austria] [p. 214] “Lunzer Untersee, Niederösterreich” [= 'Lower Lake' at Lunz, Lower Austria]; [p. 215] “Steiermark”. — Distr.: **PA**: Austria, Finland, Germany, ?Great Britain, Ireland, Japan, Luxembourg, Norway, Spain, Switzerland.

oiraseptimus (SASA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 75 (*Parametriocnemus*). Type-locality: {Japan} “at Nenokuchi”.

ikineous (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(3): 163 (*Metriocnemus*). Type-locality: [Title, p. 143] “Western Japan. . . Iki Island”; [p. 163] “Satofure”. — Distr.: **PA**: Japan.

impensus (WALKER, 1856): *Insecta Britannica Diptera* **3**: 184 (*Chironomus*). Type-locality: [Great Britain] “(E.)” [= England]. — Distr.: **NE**: Canada (Manitoba),

Greenland, U.S.A. (Minnesota); **PA**: Algeria, Austria, Belgium, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Iceland, Ireland, Italy, Japan, Kaliningrad, Lebanon; Luxembourg, Madeira, Netherlands, Norway, Poland, Romania, Russia (CET, NET, Far East), Saudi Arabia, South Korea, Spain, Sweden, Turkey; **OR**: China (Guangdong, Yunnan), India (West Bengal), Japan (Ryukyu Archipelago).

impensus subsp. **contractus** SÆTHER & WANG, 1995: *Entomologica Scandinavica Supplement* **48**: 58 (*Paraphaenocladus*; as subspecies of *impensus* Walker, 1856). Type-locality: “CHINA: Guangdong, Fengkai”. — Distr.: **PA**: Algeria, Austria, Germany, Japan, ?Romania, Turkey; **OR**: China (Guangdong, Yunnan).

impensus subsp. **croceus** CHAUDHURI & BHATTACHARYAY in CHAUDHURI, BHATTACHARYAY & DHUTTA, 1989: *Oriental Insects* **23**: 316 (*Paraphaenocladus*; as species). Type-locality: “INDIA: West Bengal: Darjeeling”. — Distr.: **PA**: Saudi Arabia; **OR**: India (Manipur, Meghalaya, Sikkim, West Bengal), Japan (Ryukyu Archipelago). [Note]

distinctus CHAUDHURI & BHATTACHARYAY in CHAUDHURI, BHATTACHARYAY & DHUTTA, 1989: *Oriental Insects* **23**: 317 (*Paraphaenocladus*). Type-locality: “INDIA: West Bengal: Darjeeling”. [Note]

albusalatus CHAUDHURI & SINHARAY, 1989: *Bulletin of Entomology* **28**(2): 95 (*Paraphaenocladus*). Type-locality: “India, West Bengal, Ghum”. [Note]

trichialis CHAUDHURI & SINHARAY, 1989: *Bulletin of Entomology* **28**(2): 99 (*Paraphaenocladus*). Type-locality: “India, West Bengal, Kurseong”. [Note]

amamirobustus SASA, 1990: *Japanese Journal of Experimental Medicine* **60**(3): 131 (*Paraphaenocladus*). Type-locality: {Amami Island, Nansei Islands, southern Japan} “at the side of Yakkachi River”.

impensus subsp. **impensus** (WALKER, 1856): *Insecta Britannica Diptera* **3**: 184 (*Chironomus*). Type-locality: [Great Britain] “(E.) [= England]. — Distr.: **NE**: Canada (Manitoba), Greenland, U.S.A. (Minnesota); **PA**: Austria, Belgium,

Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Iceland, Ireland, Italy, Japan, Kaliningrad, Lebanon; Luxembourg, Madeira, Netherlands, Norway, Poland, Romania, Russia (CET, NET, Far East), South Korea, Spain, Sweden.

debilipennis (LUNDBECK, 1898): *Videnskabelige Meddelelser fra Dansk Naturhistorisk Forening i Kjøbenhavn* **5**: 286 (*Chironomus*). Type-localities: {Grønland} “Ipiutat i Tunugdliarfikfjord” [=Ipiutat in Tunugdliarfikfjord]; “Neriafjord” [Grønland = Greenland] [Lectotype designated in Oliver, 1970: *Entomologica Scandinavica* **1**(2): 106, “Ipiutat, Greenland”].

angulatus (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 75 (*Metriocnemus*). Type-localities: {Belgique} [p. 21] “sur les bords de la Lys” [= on the banks of the Lys]; [p. 188] “Les Flandres”, [Belgique = Belgium].

ampullaceus (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 163 (*Metriocnemus*). Type-locality: [Germany] “Westphalie : Sauerland . . . larve dans une source” [= Westphalia : Sauerland . . . larva in a spring] || ► Type-locality: [Germany, Westphalia] “Quelle nördlich von Gut Köbbinghof (bei Völlinghausen, Meßtischblatt Hirschberg)” [= Spring north of Köbbinghof estate (at Völlinghausen, ordnance survey sheet Hirschberg)] in Thienemann, 1919: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 31 ◀ ||.

ampullaceus (THIENEMANN, 1919): *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 31 (*Metriocnemus*). Locality: [Germany, Westphalia] “Quelle nördlich von Gut Köbbinghof (bei Völlinghausen, Meßtischblatt Hirschberg)” [= Spring north of Gut Köbbinghof estate (at Völlinghausen, ordnance survey sheet Hirschberg)]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

austriacus KIEFFER in ALBRECHT, 1924: *Verhandlungen der Internationalen*

Vereinigung für theoretische und angewandte Limnologie **2**: 196 (*Paraphaenocladius*; as var. of *ampullaceus* Kieffer, 1923). Type-locality: [Austria] [Title, p. 183] “Mittersees bei Lunz (Nieder-Oesterreich)” [= 'Middle Lake' near Lunz (Lower Austria)].

toyamauveus SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center 1996 (March)*: 41 (*Gymnometriocnemus*). Type-locality: [Introduction, p. 16] “Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill”; [p. 17] “at the side of the ground pool "A." ” [= Lake A, p. 16].

innasus SÆTHER & WANG, 1995: *Entomologica Scandinavica Supplement* **48**: 44 (*Paraphaenocladius*). Type-locality: “USA: South Dakota, Yankton, Gavins Point Nat. Fish Hatchery”. — Distr.: **NE**: U.S.A. (California, Kansas, New Mexico, Ohio, South Carolina, South Dakota).

intercedens BRUNDIN, 1947: *Arkiv för Zoologi* **39A**: 13 (*Paraphaenocladius*). Type-locality: {Sweden} “Sm. Toftasjön” [= Småland, Toftasjön]. — Distr.: **PA**: Finland, France, Norway, Sweden.

irritus (WALKER, 1856): *Insecta Britannica Diptera* **3**: 178 (*Chironomus*). Type-locality: [Great Britain] “(E.)” [= England]. — Distr.: **NE**: U.S.A. (South Carolina, Tennessee); **PA**: Austria, Denmark, Finland, France, Germany, Great Britain, Iceland, Ireland, Lebanon, Netherlands, Norway, Portugal, Romania, Russia (NET), Spain, Sweden, Switzerland.

irritus subsp. **irritus** (WALKER, 1856): *Insecta Britannica Diptera* **3**: 178 (*Chironomus*). Type-locality: [Great Britain] “(E.)” [= England]. — Distr.: **PA**: Austria, Denmark, Finland, France, Germany, Great Britain, Iceland, Ireland, Lebanon, Netherlands, Norway, Portugal, Romania, Russia (NET), Spain, Sweden, Switzerland.

irritus subsp. **longiocostatus** SÆTHER & WANG, 1995: *Entomologica Scandinavica Supplement* **48**: 20 (*Paraphaenocladius*; as subspecies of *irritus* Walker, 1856). Type-locality: “USA: South Carolina, Aiken Co., Savannah River Plant”. —

Distr.: **NE**: U.S.A. (South Carolina, Tennessee).

kunashiricus MAKARCHENKO & MAKARCHENKO, 2006: *Russian Entomological Journal* **15**(1): 86 (*Paraphaenocladus*). Type-locality: {Russia, Far East} **Kuril'skie ostrova, o-v Kunashir, r-n vulkana Tyatya, bezymyannoe ozero u r. Tyatinka** [= Kuril Islands, Kunashir Island, vicinity of Tyatya Volcano, unnamed lake by the River Tyatinka]. — Distr.: **PA**: Russia (Far East).

kuromeneus SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center 1996 (December)*: 28 (*Paraphaenocladus*). Type-locality: [Japan] “at the side of Kuroyon Dam”. — Distr.: **PA**: Japan.

nasthecus SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 123 (*Paraphaenocladus*). Type-locality: [Canada] “ditch beside road, Sandylands Forest Reserve, Man.” [Man. = Manitoba]. — Distr.: **NE**: Canada (Manitoba, Northwest Territories, Nunavut, Ontario), U.S.A. (Kansas, New Mexico, South Dakota); **PA**: China (Inner Mongolia, Qinghai, Shandong), Russia (East Siberia).

ogasadecimus (SASA & SUZUKI, 1997): *Medical Entomology and Zoology* **48**(4): 331 (*Metriocnemus*). Type-locality: {Japan, Ogasawara Islands} “Hahajima”. — Distr.: **OC**: Bonin Islands.

penerasus (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 315 (*Metriocnemus*). Type-localities: [Great Britain] “Arran”; “Newtown, N. Wales”; “Rostherne, Cheshire” [Lectotype designated in Sæther & Wang, 1995: *Entomologica Scandinavica Supplement* **48**: 42, “WALES: Northern Wales, Newtown”]. — Distr.: **PA**: Austria, Belgium, France, Germany, Great Britain, Ireland, Japan, Netherlands, Romania, Russia (Far East), Spain, ?Switzerland. [Note]

proprius CHAUDHURI & SINHARAY, 1989: *Bulletin of Entomology* **28**(2): 97 (*Paraphaenocladus*). Type-locality: “India, West Bengal, Rung Tang”. — Distr.: **OR**: India (West Bengal). [Note]

pseudirritus STRENZKE, 1950: *Archiv für Hydrobiologie Supplement* **18**(2): 216

(*Paraphaenocladus*). Type-locality: [Austria] Niederösterreich” [= Lower Austria]. — Distr.: **NE**: Canada (Ontario); U.S.A. (Michigan, Ohio, South Carolina, Tennessee); **PA**: Algeria, Austria, Faroe Islands, Finland, France, Great Britain, Ireland, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Spain, Sweden; Turkey.

pseudirritus subsp. **maurus** SÆTHER & WANG, 1995: *Entomologica Scandinavica Supplement 48*: 28 (*Paraphaenocladus*; as subspecies of *pseudirritus* Strenzke, 1950). Type-locality: “ALGERIA”. — Distr.: **PA**: Algeria.

pseudirritus subsp. **nearcticus** SÆTHER & WANG, 1995: *Entomologica Scandinavica Supplement 48*: 26 (*Paraphaenocladus*; as subspecies of *pseudirritus* Strenzke, 1950). Type-locality: “USA: Tennessee, Sevier Co., small stream on Rt. 441 12 mi southeast of Gatlinburg”. — Distr.: **NE**: Canada (Ontario); U.S.A. (Michigan, Ohio, South Carolina, Tennessee).

pseudirritus subsp. **pseudirritus** STRENZKE, 1950: *Archiv für Hydrobiologie Supplement 18*(2): 216 (*Paraphaenocladus*). Type-locality: [Austria] Niederösterreich” [= Lower Austria]. — Distr.: **PA**: Austria, Faroe Islands, Finland, France, Great Britain, Ireland, Luxembourg, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Spain, Sweden; Turkey.

pusillus SÆTHER & WANG, 1995: *Entomologica Scandinavica Supplement 48*: 39 (*Paraphaenocladus*). Type-locality: “USA: South Carolina, Oconee Co., seep on shore of Jocassee Reservoir”. — Distr.: **NE**: U.S.A. (South Carolina); **PA**: Japan.

seiryulemeus (SASA, SUZUKI & SAKAI, 1999): *Tropical Medicine 40*(3): 112 (*Metriocnemus (Tosacladius)*). Type-locality: [Abstract, p. 99] “Shimanto River, western Shikoku Island, Japan”; [p. 112] “Yachou Koen, Nakamura”. — Distr.: **PA**: Japan.

siratoritertius (SASA & SUZUKI, 1998): *Bulletin of Toyama Prefectural Environmental Pollution Research Center 25*(3): 77 (*Metriocnemus*). Type-locality: [Japan] [p. 75] “at Shiratori, Nagasaki”. — Distr.: **PA**: Japan.

- tonsuratus** SÆTHER & WANG, 1995: *Entomologica Scandinavica Supplement* **48**: 37 (*Paraphaenocladus*). Type-locality: "CANADA: Ontario, James Bay, North Point". — Distr.: **NE**: Canada (Northwest Territories, Ontario).
- toyamaxeyus** SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (March)**: 44 (*Paraphaenocladus*). Type-locality: [Introduction, p. 16] "Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill"; [p. 17] "at the side of the ground pool "A." " [= Lake A, p. 16]. — Distr.: **PA**: Japan.
- triangulus** SÆTHER & WANG, 1995: *Entomologica Scandinavica Supplement* **48**: 37 (*Paraphaenocladus*). Type-locality: "CHINA: Qinghai, Menyuan". — Distr.: **PA**: China (Qinghai).
- yakyheius** (SASA & SUZUKI, 2000): *Tropical Medicine* **42(2)**: 87 (*Metriocnemus*). Type-locality: {Yakushima Island, Southwestern Japan} "Shiratani River" [error = Shirotani]. — Distr.: **PA**: Japan.
- sp.: ROBACK & COFFMAN, 1983: *Proceedings of the Academy of Natural Sciences of Philadelphia* **135**: 38 (*Paraphaenocladus*). Localities: "BOLIVIA: BP 4" [= Tributary of Río Palca, ca 55 km E of La Paz on road to Palca . . . alt. 4200 m]; "PERU: BP 22b" [= Small springs just below Hotel Tourista at Machupicchu . . . alt. 2200 m]. — Distr.: **NT**: Bolivia, Peru. [**Note**]

Nomina dubia in PARAPHAENOCLADIUS

- alpinus* (GOETGHEBUER, 1933): *Bulletin et Annales de la Société Entomologique de Belgique* **73(8/9)**: 219 (*Metriocnemus (Paraphaenocladus)*). Type-locality: "dans les Alpes autrichiennes" [= in the Austrian Alps].
- camptoneurus* (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 200 (*Metriocnemus*). Type-localities: Not given || ▶ Type-localities: [Germany] "an der Glör unterhalb der Talsperre" [= on the Glör below the dam]; "in Gotha (Thüringen)" [= in Gotha (Thüringia)] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 78 ◀ ||.

- cuneatus* (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 315 (*Metriocnemus*). Type-locality: [Great Britain] “Epping Forest (Wake Valley Pond)”. [Note]
- discretus* (JOHANNSEN, 1932): *Archiv für Hydrobiologie Supplement* **9**: 717 (*Metriocnemus*). Type-locality: [Indonesia] “Tjibodas, West Java”. [Note]
- montensis* (GOETGHEBUER, 1937): *Bulletin et Annales de la Société Entomologique de Belgique* **77**(6): 279 (*Metriocnemus (Paraphaenocladus)*). Type-locality: “dans le bois de Munte, . . . (Belgique)” [= in the forest of Munte, . . . (Belgium)].
- murodoensis* (SASA, 1993): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1993**: 65 (*Gymnometriocnemus*). Type-locality: [Japan] [Abstract, p. 63] “at Murodo-Otani, on a highland swamp of Mount Tate on an altitude of about 2,400 meters from sea level”. [Note]
- nemophilus* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 97 (*Metriocnemus*). Type-locality: “Allemagne du Nord, source d'une forêt” [= northern Germany, spring in a forest].
- ocularis* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 98 (*Metriocnemus*). Type-locality: “Nord de l'Allemagne” [= northern Germany].
- subclavatus* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 99 (*Metriocnemus*). Type-locality: [Poland] “Nord de l'Allemagne, lac Madusee” [= northern Germany (now Poland), Lake Madu (now Lake Miedwie)].

Unavailable names in PARAPHAENOCLADIUS

- togarobustus* SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Paraphaenocladus*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

Genus **PARAPSECTROCLADIUS** CRANSTON

PARAPSECTROCLADIUS CRANSTON, 2000: *Insect Systematics and Evolution* **31**(1):

105. Type-species: *Cardiocladius acuminatus* Edwards, 1931, by original designation.

acuminatus (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 274 (*Cardiocladius*). Type-locality: [Chile] “Peulla”. — Distr.: **NT**: Chile.

escondido CRANSTON & AÑÓN SUÁREZ in CRANSTON, 2001: *Insect Systematics and Evolution* **31**(4): 440 (*Parapsectrocladius*). Type-locality: “Argentina: Bariloche, Lago Escondido”. — Distr.: **NT**: Argentina.

escondido CRANSTON & AÑÓN SUÁREZ in CRANSTON, 2000: *Insect Systematics and Evolution* **31**(1): 115 (*Parapsectrocladius*). Type-locality: “Argentina: Bariloche, Lago Escondido”. Name not made available - not accompanied by a statement of intent to deposit the holotype in a collection or identifying the name and address of the collection contrary to Article 16.4.2 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

longistylus CRANSTON, 2000: *Insect Systematics and Evolution* **31**(1): 115 (*Parapsectrocladius*). Type-locality: “Chile: Ultima Esperanza, P.N. Torres del Paine, littoral lagoon between Lagos Nordesnkjold and L. Sarmiento” [error, Nordesnkjold = Nordenskjold]. — Distr.: **NT**: Argentina, Chile.

reissi CRANSTON, 2000: *Insect Systematics and Evolution* **31**(1): 114 (*Parapsectrocladius*). Type-locality: “Chile: Valdivia, teich im Park Saval bei Universiteit” [= Chile: Valdivia, pond in Saval Park near the University]. — Distr.: **NT**: Chile.

Genus **PARASMITTIA** STRENZKE

PARASMITTIA STRENZKE, 1950: *Archiv für Hydrobiologie Supplement* **18**(2): 270.

Type-species: *Parasmittia carinata* Strenzke, 1950, by original designation.

carinata STRENZKE, 1950: *Archiv für Hydrobiologie Supplement* **18**(2): 270 (*Parasmittia*). Type-localities: [Germany] “Holstein”; [Austria] “Niederösterreich” [= Lower Austria]; [Austria] “Steiermark”; [Poland] “Schlesien” [= Silesia]. — Distr.: **NE**: Canada (Nova Scotia); **PA**: Austria, Czech Republic, Denmark, Finland,

France, Germany, Italy, Netherlands, Poland, Russia (CET, East Siberia), Sweden, Switzerland.

kamiacuta (SASA & HIRABAYASHI, 1993): *Japanese Journal of Sanitary Zoology* **44**(4): 377 (*Smittia*). Type-locality: {Nagano, Japan} [p. 362] “Kamikochi”; [p. 377] “at the side of Azusa River at Kappa Bridge”. — Distr.: **PA**: Japan.

Genus **PARATRICHOCLADIUS** SANTOS-ABREU

PARATRICHOCLADIUS SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 204 (as subgenus of *Orthocladius* Wulp, 1874). Type-species: *Orthocladius tenuipes* Becker, 1908 [= *Chironomus rufiventris* Meigen, 1830], by subsequent designation of Hirvenoja (1973: *Annales Zoologici Fennici* **10**: 88).

SYNCRICOTOPUS BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 106. Type-species: *Chironomus rufiventris* Meigen, 1830, by original designation. Synonymized with *Paratrichocladius* Santos-Abreu, 1918, by Hirvenoja (1973: *Annales Zoologici Fennici* **10**: 62).

aberrans CASPERS & REISS, 1989: *Entomofauna* **10**(8): 121 (*Paratrichocladius*). Type-locality: “Bahnhof Soganli W Sarikamis, 2100 m über NN (Provinz Kars, Osttürkei)” [= Railway station at Soganli west of Sarikamis, 2100 metres above sea-level (Kars Province, eastern Turkey)]. — Distr.: **PA**: Turkey.

ater WANG & ZHENG, 1990: *Acta Entomologica Sinica* **33**(2): 243 (*Paratrichocladius*). Type-locality: [p. 246, English Summary] {China} “Jilin Province (Chang-bai Mountain)”. — Distr.: **PA**: China (Jilin).

brevicornis HIRVENOJA, 1986: *Spixiana Supplement* **11**: 164 (*Paratrichocladius*). Type-locality: “Lake Gangabhal, 3580 m, Kashmir, India”. — Distr.: **OR**: India (Jammu and Kashmir).

gayi SERRA-TOSIO, 1984: *Bulletin de la Société Entomologique de France* **88**: XIV (*Paratrichocladius*). Type-locality: “France, Vaujany (38), rivière l’Eau d’Olle, altitude 1 580 m” [= France, Vaujany (38), l’Eau d’Olle River, altitude 1,580

metres]. — Distr.: **PA**: France, Germany, Italy. [**Note**]

gtoeufus SASA & SUZUKI, 2001: *Tropical Medicine* **42**(3/4): 154 (*Paratrachocladius*).

Type-locality: {Goto Islands, Western Japan} “Wani River”. — Distr.: **PA**: Japan.

guidalii ROSSARO, 1990: *Bollettino della Societa Entomologica Italiana* **122**: 61

(*Paratrachocladius*). Type-locality: {Italy} “Noce river near Stavel (TN)” [TN = Trentino]. — Distr.: **PA**: Italy.

hamatus WANG & ZHENG, 1990: *Acta Entomologica Sinica* **33**(2): 243

(*Paratrachocladius*). Type-locality: [p. 246, English Summary] {China} “Sichuan Province (Emei Mountain)”. — Distr.: **OR**: China (Sichuan).

lanzavecchiae ROSSARO, 1990: *Bollettino della Societa Entomologica Italiana* **122**: 60

(*Paratrachocladius*). Type-locality: “Vera Spring near Tempera (L'Aquila, Italy)”. — Distr.: **PA**: Corsica, France, Italy.

micans (KIEFFER, 1918): *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 81

(*Dactylocladius*). Type-localities: [South Africa] “Natal: New-Hannover”; “Transvaal: Pretoria”. — Distr.: **PA**: Corsica, Crete, Cyprus, Greece, Italy, Lebanon, Morocco, Spain, Turkey; **AF**: Benin, D.R.Congo, Ethiopia, Kenya, Madagascar, Réunion, South Africa, Uganda, Yemen, Zambia, Zimbabwe.

dewulfi (GOETGHEBUER, 1934): *Revue de Zoologie et de Botanique Africaines* **25**:

201 (*Cricotopus*; as “*Dewulfi*”). Type-locality: [Democratic Republic of the Congo] {Congo Belge} “pris à Kisantu” [= caught at Kisantu].

mongolseteus SASA & SUZUKI, 1997: *Japanese Journal of Tropical Medicine and Hygiene*

25(4): 174 (*Paratrachocladius*). Type-locality: {Mongolia} “Bogd . . . about 1,500 m high from sea level”. — Distr.: **PA**: Mongolia.

nitidus (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**:

515 (*Orthocladius* (*Trachocladius*)). Type-locality: [U.S.A.] “Monticello, Ill.” [Ill. = Illinois]. — Distr.: **NE**: Canada (Manitoba), U.S.A. (Illinois, Iowa, New York, Utah).

helis (ROBACK, 1957): *Proceedings of the Academy of Natural Sciences of*

Philadelphia **109**: 15 (*Trichocladius*). Type-locality: [U.S.A.] “Lemon’s Grove, 3 miles south of Kamas, Summit County, Utah”.

fontinalis (SÆTHER, 1969): *Bulletin of the Fisheries Research Board of Canada* **170**: 77 (*Syncricotopus*). Type-locality: [Canada] “cold spring, The Bog at The Pas, Man.” [Man. = Manitoba].

nivalis (GOETGHEBUER, 1938): *Bulletin et Annales de la Société Entomologique de Belgique* **78**(1/2): 61 (*Trichocladius*). Type-locality: [Switzerland] “dans le Parc national Suisse” [= in the Swiss National Park] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 9), “Park national Suisse”] [Suisse = Switzerland]. — Distr.: **PA**: Austria, ?Denmark, France, Germany, ?Great Britain, ?Ireland, Italy, Norway, ?Poland, ?Romania, Slovakia, ?Spain, ?Sweden, Switzerland, ?Ukraine. [Note]

orientalis MAKARCHENKO & MAKARCHENKO, 2009: *Evrasiatskii Entomologicheskii Zhurnal* **8**(3): 330 (*Paratrachocladius*). Type-locality: {Russia, Far East} **Primorskii krai, Terneiskii r-n, r. Samarga** [= Primorsky Krai, Terneisky District, River Samarga]. — Distr.: **PA**: Russia (Far East).

osellai ROSSARO, 1990: *Bollettino della Societa Entomologica Italiana* **122**: 63 (*Paratrachocladius*). Type-locality: {Italy} “Oglio river loc. Vezza (BS)” [BS = Brescia]. — Distr.: **PA**: France, Germany, Italy, Norway, Spain.

pierfrancescoi ROSSARO, 1990: *Bollettino della Societa Entomologica Italiana* **122**: 60 (*Paratrachocladius*). Type-locality: {Italy} “f. Aterno” [= River Aterno]. — Distr.: **PA**: Italy.

pierretti LEHMANN, 1979: *Spixiana Supplement* **3**: 33 (*Paratrachocladius*). Type-locality: [Democratic Republic of the Congo] “Kalengo, Kivu-See-Gebiet, Zaire” [= Kalengo, Lake Kivu region, Zaire]. — Distr.: **AF**: D.R.Congo.

pluriserialis (FREEMAN, 1959): *Bulletin of the British Museum (Natural History) Entomology* **7**(9): 414 (*Trichocladius*). Type-locality: {New Zealand} “Canterbury: Christchurch, R. Purau”. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Victoria), New Zealand (North Island,

South Island).

pretorianus (FREEMAN, 1956): *Bulletin of the British Museum (Natural History) Entomology* **4**(7): 316 (*Trichocladius*). Type-locality: [South Africa] “TRANSVAAL : Pretoria”. — Distr.: **AF**: Ethiopia, South Africa.

rufiventris (MEIGEN, 1830): *Systematische Beschreibung* **6**: 249 (*Chironomus*). Type-locality: [Title] “europäischen” [= European] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 89]. — Distr.: **NE**: Canada (Ontario), U.S.A. (California, North Carolina, Ohio, South Carolina); **PA**: Austria, Balearic Islands, Belgium, Canary Islands, China (Jilin, Tibet), Corsica, Croatia, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Japan, Lebanon, Luxembourg, Macedonia, Madeira, Moldova, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, Far East), Sicily, Slovakia, Spain, Sweden, Switzerland, Syria, Tunisia, Turkey, Ukraine, ¶Yugoslavia; **OR**: China (Fujian).

opplens (WALKER, 1856): *Insecta Britannica Diptera* **3**: 187 (*Chironomus*). Type-locality: [Great Britain] “(E.)” [= England].

tenuipes (BECKER, 1908): *Mitteilungen aus dem Zoologischen Museum in Berlin* **4**: 75 (*Orthocladius*). Type-locality: {Kanarischen Inseln} “Teneriffe” [= Tenerife], [Kanarischen Inseln = Canary Islands] [Lectotype designation in Cranston & Armitage, 1988: *Deutsche Entomologische Zeitschrift* (Neue Folge) **35**(4/5): 347, “Canary Islands: Tenerife, La Laguna”].

proximus (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 186 (*Trichocladius*). Type-locality: [Introduction] “Allemagne” [= Germany] || ► Type-locality: [Germany] {Thüringen} “Gotha” in Thienemann, 1919: *Deutsche Entomologische Zeitschrift* **1919**(1/2): 135 ◀ ||.

nudipes (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 100 (*Trichocladius*). Type-localities: {Belgique} [p. 27] “Pris à Destelbergen et à Gand” [= Caught at Destelbergen and at Gand]; [p. 190] “Les Flandres”, [Belgique = Belgium]. [Note]

- dentifer* (GOETGHEBUER, 1935): *Encyclopédie Entomologique, B-II, Diptera* **8**: 7 (*Trichocladius*). Type-locality: [Switzerland] “au Röserenbach” [= in the Röserenbach] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 89, “Röserenbach, Schweiz”] [Schweiz = Switzerland].
- nadigi* (GOETGHEBUER, 1938): *Bulletin et Annales de la Société Entomologique de Belgique* **78**(1/2): 62 (*Trichocladius*; as “*Nadigi*”). Type-locality: [Switzerland] “au Parc national Suisse” [= in the Swiss National Park] [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 89, “Nationalpark, Schweiz”] [Schweiz = Switzerland].
- rufipes* (GOETGHEBUER, 1944): *Biologisch Jaarboek* **11**: 39 (*Trichocladius*). Type-locality: [Austria] “Lunz, Danube inférieur” [= Lunz, lower Danube].
- arduus* (GOETGHEBUER in HUMPHRIES, 1951): *Hydrobiologia* **3**(3): 209 (*Trichocladius*). Type-locality: [Ireland] “in the lower reaches of the River Dodder, about two miles from where the River Liffey enters the sea . . . (London Bridge Road)” [Lectotype designation in Hirvenoja, 1973: *Annales Zoologici Fennici* **10**: 89-90, “(Dodder) Dublin, Irland”] [Ireland = Ireland].
- tusimocedeus* SASA & SUZUKI, 1999: *Tropical Medicine* **41**(2): 80 (*Paratrachocladius*). Type-locality: [Introduction, p. 75] “Tsushima Island . . . western Japan”; [p. 80] “Kechi Dam”.
- ? *luteoligaster* SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 205 (*Orthocladius* (*Paratrachocladius*)). Type-locality: {Canary Isles} “Santa Cruz de la Palma . . . Puntallana”. **Questionable synonym.**
- ? *bavaricus* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 82 (*Phaenocladius*). Type-locality: [Germany] “Bavière : St-Ottilien” [= Bavaria : St Ottilien]. **Questionable synonym.**
- ? *hyemalis* (GOETGHEBUER, 1950): *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* **26**(47): 9 (*Trichocladius*). Type-locality: “Bords de l'Huveaune (France)” [= Banks of the Huveaune (France)]. **Questionable**

synonym.

skirwithensis (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 329 (*Spaniotoma (Trichocladius)*). Type-locality: [Great Britain] “Skirwith, Cumberland” [Lectotype designated in Cranston & Oliver, 1988: *Canadian Entomologist* **120**(5): 444, [Great Britain] “Cumberland, Skirwith”]. — Distr.: **NE**: Canada (New Brunswick, Nova Scotia); **PA**: Austria, ?Denmark, Finland, France, ?Germany, Great Britain, ?Ireland, Italy, ?Morocco, ?Norway, ?Poland, ?Romania, ?Russia (?NET, ?Far East), Sicily, Slovakia, ?Spain, ?Sweden, ?Switzerland, ?Turkey, ?Ukraine.

? *clavatus* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 91 (*Trichocladius*). Type-locality: [Germany] “Holstein” || ▶ Type-locality: [Germany] “Rügen, . . . Quelle a. d. Rognikwiese bei Saßnitz” [= Rügen island, . . . spring at Rognik meadow near Sassnitz] in Thienemann, 1926: *Deutsche Entomologische Zeitschrift* **1926**(1): 8-9 ◀ ||. **Questionable synonym.** [Note]

spiesi ASHE & O'CONNOR, 2012: *A World Catalogue of Chironomidae (Diptera). Part 2. Orthocladiinae: 2 (Paratrachocladius; as nom. nov. for Orthocladius nigrinus* Goetghebuer, 1938, nec *Orthocladius (Orthocladius) nigrinus* Malloch, 1915). — Distr.: **PA**: Austria, France, Germany, Great Britain, Ireland, Norway, Slovakia, Switzerland.

nigrinus (GOETGHEBUER, 1938): *Bulletin et Annales de la Société Entomologique de Belgique* **78**(11): 459 (*Orthocladius*). Type-locality: [Austria] “Basse-Autriche” [= Lower Austria]. **Preoccupied.** Junior primary homonym of *Orthocladius (Orthocladius) nigrinus* Malloch, 1915 – the latter is a valid species of *Orthocladius (Orthocladius)*.

tamaater SASA, 1981: *Research Report from the National Institute for Environmental Studies* **29**: 20 (*Paratrachocladius*). Type-locality: {Japan, Tama River, Minamiasakawa River} “Station No. 1”. — Distr.: **PA**: Japan.

tobanonadecimus KIKUCHI & SASA, 1990: *Japanese Journal of Sanitary Zoology* **41**(4): 322 (*Paratrachocladius*). Type-locality: {Sumatra, Indonesia} “at the side of

Lake Toba”. — Distr.: **OR**: Indonesia (Sumatra).

tridens FU & WANG, 2008: *Sichuan Journal of Zoology* **27**(5): 728 (*Paratrichocladius*).
Type-locality: “CHINA: Tibet Autonomus Region: Chayu County: Xiachayu
Town: Baantong Village (28°37' N, 97°29' E), altitude 1600 m”. — Distr.: **OR**:
China (Tibet).

unabrevis SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution
Research Center 1996 (December)*: 58 (*Paratrichocladius*). Type-locality:
[Japan] [p. 57] “on the shore of Kurobe River at Unazuki Hotspring town”; [p.
58] “on the shore of Kurobe River”. — Distr.: **PA**: Japan.

veronicae ROSSARO, 1992: *Bollettino della Societa Entomologica Italiana* **123**: 235
(*Paratrichocladius*). Type-locality: [Italy] “Vera spring near Tempera
(L’Aquila)”. — Distr.: **PA**: Austria, France, Italy. [**Note**]

yakukeleus SASA & SUZUKI, 2000: *Tropical Medicine* **42**(2): 68 (*Paratrichocladius*).
Type-localities: {Yakushima Island, Southwestern Japan} “Issogawa”;
“Senpirotaki”. — Distr.: **PA**: Japan.

sp.: (BRUNDIN, 1956): *Reports from the Institute of Freshwater Research, Drottningholm*
37: 212 (*Syncricotopus*). Localities: [Peru] “Laguna Rinconada, 4680 m ü.M.,
liegt in der Gegend des Dorfes San Antonio de Potó in der Cordillera
Apolobamba NO von Titicaca” [= Rinconada lagoon, 4680 metres above sea-
level, lies in the vicinity of the village of San Antonio de Potó in the Cordillera
Apolobamba north-east of Titicaca]; “in der Nähe von Potó . . . Laguna
Sillacunca, 4830 m” [= near Potó . . . Sillacunca lagoon, 4830 metres]. — Distr.:
NT: Peru.

sp.: (BRUNDIN, 1956): *Reports from the Institute of Freshwater Research, Drottningholm*
37: 212 (*Syncricotopus*). Localities: [Argentina and Chile] “südchilenisch-
patagonischen Seen” [= southern Chilean - Patagonian Lakes]. — Distr.: **NT**:
Argentina, Chile.

sp.: WATSON & HEYN, 1993: *Netherlands Journal of Aquatic Ecology* **26**(2/4): 259
(*Paratrichocladius*). Locality: “Costa Rica . . . P 1150 m” [= Costa Rica . . .

Puntaneras Province 1150 metres]. — Distr.: **NT**: Costa Rica.

sp.: ANDERSEN, CONTRERAS-RAMOS & SPIES, 2000: *Biodiversidad, taxonomía y biogeografía de artrópodos de México: hacia una síntesis de su conocimiento* **2**: 591 (*Paratrichocladius*). Locality: {Mexico} “MEX” [= Mexico State]. — Distr.: **NE**: Mexico (Mexico).

Genus **PARATRISSOCLADIUS** ZAVŘEL

PARATRISSOCLADIUS ZAVŘEL, 1937: *Spisy Vydávané Přírodovědeckou Fakultou Masarykovy University* **239**: 10 (as subgenus of *Trissocladius* Kieffer, 1908). Type-species: *Trissocladius fluviatilis* Goetghebuer, 1937 [= *Chironomus excerptus* Walker, 1856], by original designation.

PARACHAETOCLADIUS FREEMAN, 1964: *Proceedings of the Royal Entomological Society* (B) **33**(9/10): 150. Type-species: *Chironomus excerptus* Walker, 1856, by original designation. Synonymized with *Paratrissocladius* Zavřel, 1937, by Sæther (1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 253). **Preoccupied**. Junior homonym of *Parachaetocladius* Wülker, 1959.

excerptus (WALKER, 1856): *Insecta Britannica Diptera* **3**: 179 (*Chironomus*). Type-locality: [Great Britain] “(E.)” [= England]. — Distr.: **PA**: Austria, Belgium, Corsica, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Ireland, Italy, Luxembourg, Morocco, Poland, Portugal, Romania, Russia (CET, NET, East Siberia, Far East), Slovakia, Spain, Sweden, Switzerland, Turkey; **?AF**: ?Senegal; **OR**: China (Anhui, Fujian, Hunan), Myanmar.

excerptus subsp. **excerptus** (WALKER, 1856): *Insecta Britannica Diptera* **3**: 179 (*Chironomus*). Type-locality: [Great Britain] “(E.)” [= England]. — Distr.: **PA**: Austria, Belgium, Corsica, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Ireland, Italy, Luxembourg, Morocco, Poland, Portugal, Romania, Russia (CET, NET, East Siberia, Far East), Slovakia, Spain, Sweden, Switzerland, Turkey; **?AF**: ?Senegal.

fluviatilis (GOETGHEBUER in ZAVŘEL, 1937): *Spisy Vydávané Přírodovědeckou Fakultou Masarykovy University* **239**: 9 (*Trissocladius*). Type-locality: [Germany] “Kossau, ein kleines in die Ostsee mündendes Flößchen” [= Kossau, a small stream flowing into the Baltic Sea]. [Note]

excerptus subsp. **pubis** SÆTHER & WANG, 2000: *Tijdschrift voor Entomologie* **143**(2): 291 (*Paratrissocladius*). Type-locality: “MYANMAR: Kambaiti, 2000 m a.s.l.”. — Distr.: **OR**: China (Anhui, Fujian, Hunan), Myanmar.

lawrencensis CRANSTON & OLIVER, 1988: *Canadian Entomologist* **120**(5): 445 (*Paratrissocladius*). Type-locality: “CANADA: Ontario, St. Lawrence Islands National Park, Grenadier Island”. — Distr.: **NE**: Canada (Ontario).

natalensis (FREEMAN, 1956): *Bulletin of the British Museum (Natural History)* Entomology **4**(7): 328 (*Chaetocladius*, as subspecies of *excerptus* Walker, 1856). Type-locality: [South Africa] “NATAL: Kamberg Game Reserve, Mooi River, 6,000 ft.”. — Distr.: **AF**: South Africa.

sp.: COFFMAN, YURASITS & DE LA ROSA, 1988: *Spixiana Supplement* **14**: 85 (*Paratrissocladius*). Locality: “South India”. — Distr.: **OR**: India (Kerala or Tamil Nadu).

Genus **PARORTHOCLADIUS** THIENEMANN

PARORTHOCLADIUS THIENEMANN, 1935: *Stettiner Entomologische Zeitung* **96**(2): 213. Type-species: *Dactylocladius nudipennis* Kieffer, 1908, by original designation.

concretus LIU & WANG, 2005: *Zootaxa* **802**: 2 (*Parorthocladius*). Type-locality: “P. R. CHINA: Ningxia Autonomous Region, Liupan Mountain, Erlong River (35° 24 N, 106° 14 E), alt. 1700 m”. — Distr.: **PA**: China (Ningxia).

cristatus LIU & WANG, 2005: *Zootaxa* **802**: 4 (*Parorthocladius*). Type-locality: “P. R. CHINA: Sichuan Province, Daocheng County (29° 1 N, 100° 18 E), alt. 40–64 m”. — Distr.: **OR**: China (Sichuan).

furudoquartus (SASA & ARAKAWA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 95 (*Hydrobaenus*). Type-

locality: [Japan] [Introduction, p. 88] “Furudo . . . a man-made lake constructed in a hilly area of Ikeda, southern part of Toyama-shi”. — Distr.: **PA**: Japan.

korneyevi BARANOV, 2011: *Vestnik Zoologi* **45**(5): 406 (*Parorthocladius*). Type-locality: “Ukraine: Crimean Peninsula, Simferopol, Salgir River, 44°96' N 34°09' E, stream shore”. — Distr.: **PA**: Ukraine.

negoroi YAMAMOTO, 2011: *Bulletin of the Toyama Science Museum* **34**: 33 (*Parorthocladius*). Type-locality: “Rendaiji, Nanto-shi, Toyama Pref., Honshu, Japan”. — Distr.: **PA**: Japan.

nudipennis (KIEFFER in KIEFFER & THIENEMANN, 1908): *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 35 (*Dactylocladius*). Type-locality: [Germany] “Thüringen” [= Thuringia]. — Distr.: **PA**: Andorra, Austria, Belgium, Bulgaria, Corsica, Czech Republic, Faroe Islands, France, Germany, Great Britain, Italy, Morocco, Novaya Zemlya, Poland, Romania, Russia (East Siberia, Far East), Slovakia, Spain, Sweden, Switzerland.

torrentium (GOETGHEBUER, 1933): *Bulletin et Annales de la Société Entomologique de Belgique* **73**(8/9): 216 (*Orthocladius* (*Dactylocladius*)). Type-locality: [France] “torrent de Severaisse, près de Saint-Foimin (Hautes-Alpes)” [= Severaisse stream, near Saint-Foimin (Hautes-Alpes)].

atroluteus (GOETGHEBUER, 1934): *Bulletin et Annales de la Société Entomologique de Belgique* **74**(10): 339 (*Orthocladius*). Type-locality: [Germany] “Larves dans une source, à 1050 m. d'altitude (G.-P)” [= Larvae in a spring, at an altitude of 1050 metres (Garmisch-Partenkirchen)].

curtistylatus (GOETGHEBUER, 1934): *Bulletin et Annales de la Société Entomologique de Belgique* **74**(10): 339 (*Orthocladius* (*Dactylocladius*)); as nom. nov. for *Orthocladius* (*Dactylocladius*) *curtistylus* Goetghebuer, 1933 nec *Psectrocladius curtistylus* Goetghebuer, 1921 when both in *Orthocladius*.

curtistylus (GOETGHEBUER, 1933): *Bulletin et Annales de la Société Entomologique de Belgique* **73**(11): 358 (*Orthocladius* (*Dactylocladius*)). Type-locality: [France, Isère] “Haut Vénéon, à 3 km. en amont de la Bérarde” [= Haut Vénéon,

about 3 kilometres upstream of Bérarde]. **Preoccupied** (in 1933). Junior secondary homonym of *Psectrocladius curtistylus* Goetghebuer, 1921 when both in *Orthocladius*).

unicentrus LIU & WANG, 2005: *Zootaxa* **802**: 5 (*Parorthocladius*). Type-locality: “P. R. CHINA: Guizhou Province, Maolan Natural Conservation (25° 23 N, 108° 04 E), alt. 420 m”. — Distr.: **OR**: China (Guizhou, Guangdong).

sp.: CRANSTON, OLIVER & SÆTHER, 1983: *Entomologica Scandinavica Supplement* **19**: 190 (*Parorthocladius*). Locality: “Afrotropical Region”. — Distr.: **AF**: Country not specified.

sp.: ROBACK & COFFMAN, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**(1): 122 (*Parorthocladius*). Localities: {Nepal} “NP69” [= “Small Tributary of Marsyandi, nr. Manang, . . . alt. 3392 m.”]; “NP150” [= “Tributary of Marsyandi, below Chame . . . alt. 2470 m.”]. — Distr.: **OR**: Nepal.

sp.: OLIVER, DILLON & CRANSTON, 1990: *Agriculture Canada, Publication* **1857/B**: 35 (*Parorthocladius*). Localities: [Canada] “B.C.” [= British Columbia]; “Alta.” [= Alberta]; “Ont.” [= Ontario]; [U.S.A.] “Oreg.” [= Oregon]; “Mont.” [= Montana]. — Distr.: **NE**: Canada (Alberta, British Columbia, Ontario), U.S.A. (Montana, Oregon).

Nomina dubia probably in PARORTHOCLADIUS

oxyrhynchus (LINEVICH, 1963): *Trudy Limnologicheskogo Instituta* **1**: 30 (*Orthocladius*). Type-locality: [Russia, East Siberia] ****v** Baikal'skikh ruch'yakh****** [= in Lake Baikal streams].

Genus PAULFREEMANIA CRANSTON & KROSCH

PAULFREEMANIA CRANSTON & KROSCH, 2011: *New Zealand Entomologist* **34**: 78.

Type-species: *Orthocladius pictipennis* Freeman, 1959, by original designation.

pictipennis (FREEMAN, 1959): *Bulletin of the British Museum (Natural History)*

Entomology 7(9): 419 (*Orthocladius*). Type-locality: {New Zealand} “Wellington: Ohakune”. — Distr.: AU: New Zealand (North Island, South Island).

Genus **PETALOCLADIUS** SUBLETTE & WIRTH

PETALOCLADIUS SUBLETTE & WIRTH, 1972: *Florida Entomologist* 55(1): 1. Type-species: *Petalocladus setosus* Sublette & Wirth, 1972, by original designation.

setosus SUBLETTE & WIRTH, 1972: *Florida Entomologist* 55(1): 2 (*Petalocladus*). Type-locality: “Hardwar Gap, Jamaica”. — Distr.: NT: Jamaica.

Genus **PHYSONEURA** FERRINGTON & SÆTHER

PHYSONEURA FERRINGTON & SÆTHER, 1995: *Aquatic Insects* 17(1): 58. Type-species: *Spaniotoma (Smittia) nigroflava* Edwards, 1931, by original designation.

costalis (EDWARDS, 1931): *Diptera of Patagonia and South Chile* 2(5): 302 (*Corynoneura (Thienemanniella)*). Type-locality: [Argentina] “L. Gutierrez”. — Distr.: NT: Argentina.

minuscula (EDWARDS, 1931): *Diptera of Patagonia and South Chile* 2(5): 301 (*Spaniotoma (Smittia)*). Type-locality: [Argentina] “Castro”. — Distr.: NT: Chile.

nigroflava (EDWARDS, 1931): *Diptera of Patagonia and South Chile* 2(5): 300 (*Spaniotoma (Smittia)*). Type-locality: [Argentina] “Bariloche”. — Distr.: NT: Argentina.

paulseni STUR & ANDERSEN, 2000: *Norwegian Journal of Entomology* 47(2): 132 (*Phyzoneura*). Type-locality: “Ecuador: Chimborazo Province: Refugio Hermanos Carrel, 4.800 m a. s. l.”. — Distr.: NT: Ecuador.

Genus **PHYTOTELMATOCLADIUS** EPLER

PHYTOTELMATOCLADIUS EPLER, 2010: *Proceedings of the XV International Symposium on Chironomidae*: 286. Type-species: *Phytotelmatocladus delarosai* Epler,

2010, by original designation.

delarosai EPLER, 2010: *Proceedings of the XV International Symposium on Chironomidae*: 288 (*Phytotelmatocladius*). Type-locality: “U.S.A., Florida, Highlands County, Riverwoods Field Laboratory at Cornwall”. — Distr.: **NE**: U.S.A. (Florida); **NT**: Brazil.

Genus **PIRARA** BOOTHROYD & CRANSTON

PIRARA BOOTHROYD & CRANSTON, 1995: *Chironomids: from genes to ecosystems*: 391. Type-species: *Pirara matakiri* Boothroyd & Cranston, 1995, by original designation.

australiensis BOOTHROYD & CRANSTON, 1995: *Chironomids: from genes to ecosystems*: 397 (*Pirara*). Type-locality: “36°36’S 149°47’E, Australia, New South Wales, Brown Mt., Rutherford Creek”. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, Queensland, Victoria).

edwardi CRANSTON, 2000: *Memoirs of the Queensland Museum* **46**(1): 115 (*Pirara*). Type-locality: “Argentina: 16km S San Martin, Arroyo Partida”. — Distr.: **NT**: Argentina.

matakiri BOOTHROYD & CRANSTON, 1995: *Chironomids: from genes to ecosystems*: 396 (*Pirara*). Type-locality: “37°23’S 175°52’E, New Zealand, North Island, Waihi, Ohinemuri River, 100 m asl”. — Distr.: **AU**: New Zealand (North Island).

Genus **PLATYSMITTIA** SÆTHER

PLATYSMITTIA SÆTHER, 1982: *Entomologica Scandinavica* **13**(4): 503. Type-species: *Platysmittia fimbriata* Sæther, 1982, by original designation.

bilyji SÆTHER, 1985: *Entomologica Scandinavica* **15**(4): 528 (*Platysmittia*). Type-locality: “CANADA: MANITOBA: Duck Mountains, Cowan Creek”. — Distr.: **NE**: Canada (Manitoba, Ontario), U.S.A. (Maryland, Pennsylvania); **PA**: Mongolia, Russia (Far East).

fimbriata SÆTHER, 1982: *Entomologica Scandinavica* **13**(4): 505 (*Platysmittia*). Type-locality: "U.S.A. . . . spring on Rt. 441, 12 miles southeast of Gatlinburg, Sevier Co., Tennessee". — Distr.: **NE**: U.S.A. (Georgia, Maryland, North Carolina, Ohio, Pennsylvania, Tennessee).

Genus **PLHUDSONIA** SÆTHER

PLHUDSONIA SÆTHER, 1982: *Entomologica Scandinavica* **13**(4): 466. Type-species: *Plhudsonia partita* Sæther, 1982, by original designation.

acuticauda SÆTHER, 1992: *Entomologica Scandinavica* **22**(4): 380 (*Plhudsonia*). Type-locality: "ISRAEL: drift in river 10 km east of Tubas". — Distr.: **PA**: Israel.

partita SÆTHER, 1982: *Entomologica Scandinavica* **13**(4): 467 (*Plhudsonia*). Type-locality: "U.S.A. . . . spring on Rt. 441, 12 miles southeast of Gatlinburg, Sevier Co., Tennessee". — Distr.: **NE**: Canada (Nova Scotia), U.S.A. (Tennessee).

partitata: incorrect original spelling.

Genus **PROPSILOCERUS** KIEFFER

PROPSILOCERUS KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 169. Type-species: *Propsilocerus lacustris* Kieffer, 1923, by original designation. [**Note**]

SYNPSILOCERUS KIEFFER, 1923: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **9**: 3. Type-species: *Orthocladus paradoxus* Lundström, 1915, by original designation. Synonymized with *Propsilocerus* Kieffer, 1923, by Ashe (1983: *Entomologica Scandinavica Supplement* **17**: 51).

TOKUNAGAYUSURIKA SASA, 1978: *Japanese Journal of Sanitary Zoology* **29**(2): 94. Type-species: *Spaniotoma (Orthocladus) akamusi* Tokunaga, 1938, by original designation. Synonymized with *Propsilocerus* Kieffer, 1923, by Sæther & Wang (1996: *Entomologica Scandinavica* **27**(4): 442).

TOKUNAGAYUSURIKA SASA & YAMAMOTO, 1977: *Japanese Journal of Sanitary Zoology* **28**(3): 308. Type-species: *Spaniotoma (Orthocladus) akamusi* Tokunaga,

1938, by original designation. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition).

Nomen nudum.

akamusi (TOKUNAGA, 1938): *Philippine Journal of Science* **65**(4): 317 (*Spaniotoma* (*Orthocladius*)). Type-locality: “Honshu, Japan . . . Osaka”. — Distr: **PA**: China (Hebei, Liaoning, Tianjin), Japan, Russia (East Siberia, ?Far East), South Korea; **OR**: China (Hubei, Zhejiang).

sexpilosus (YAN & YE, 1977): *Acta Entomologica Sinica* **20**(2): 194 (*Chaetocladius*). Type-locality: {China, Bai-Yang-Dian Lake} “Sin-An, Hopei Province” [= Hebei Province].

amurensis MAKARCHENKO & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**(2): 261 (*Prosilocerus*). Type-locality: “mouth of Kharpî River (Amur River basin), Amursky District, Khabarovsk Territory, Russian Far East”. — Distr.: **PA**: Russia (Far East).

jacuticus (ZVEREVA, 1950): *Entomologicheskoe Obozrenie* **31**(1/2): 273 (*Syndiamesa*). Type-localities: [Russia, Northern European Territory] ****Staritsa r. Vychegdya** — **Ozelyt**** [= Ozelyt, a dead channel of the River Vychegdya]; ****Staritsa r. Sysoly** — **Elyaty**** [= Yelyaty (not Elyaty), a dead channel of the River Sysola]. — Distr.: **PA**: Finland, Russia (NET, SET, West Siberia).

lacustris KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 169 (*Prosilocerus*). Type-locality: “Allemagne du Nord : larves dans le lac de Schwerin” [= northern Germany : larvae in Lake Schwerin]. — Distr.: **PA**: Germany, Hungary, Kaliningrad, Lithuania, Netherlands, Poland, Romania, Slovakia, Ukraine.

danubialis BOTNARIUC & ALBU, 1956: *Buletin Ştiinţific Academia Republicii Populare Române* **8**(2): 497 (*Prosilocerus*). Type-localities: [Romania] “în numeroase puncte din delta Dunării” [= in numerous places in the Danube delta]; “Tri-Ozera”; “Bogdaproste”; “Matîţa”; “Isacovo”; “Roşu”; “Roşuleţ”; “Vostocinoe”; “Uzlina”; “Cleşciovo”; “Bacina”; “Serhănoiul-Mare”; “Ţihai

etc.”.

lusatiensis BARTHELMES, 1964: *Internationale Revue der gesamten Hydrobiologie und Hydrographie* **49**(4): 612 (*Propsilocerus*). Type-locality: [Germany, Berlin] [p. 611] “in Teichen der Karpfenteichwirtschaft Peitz bei Cottbus” [= in ponds of the Peitz carp pond facility near Cottbus; [p. 618] “im Kleinen Tüfelsteich (17.5 ha) und im Reiherteich (10 ha)” [= in the small Tüfelsteich (17.5 hectares) and in the Reiherteich (10 hectares)].

orielicus PANKRATOVA, 1970: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **102**: 116 (*Propsilocerus*; validation of “Orthoclaadiinae gen.? 1. *orielica*” Chernovskii, 1949). Type-localities: ****Ukraina**** [= Ukraine] ; ****Rumyniya**** [= Romania]; ****Pol'sha**** [= Poland].

orielicus (CHERNOVSKII, 1949): *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 140 (as “Orthoclaadiinae gen.? 1. *orielica*”). Type-locality: [Ukraine] ****r. Oriel' Dnepropetrovskoi oblasti**** [= River Oriel Dnipropetrovsk Oblast]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum**.

paradoxus (LUNDSTRÖM, 1915): *Résultats scientifiques de l'Expédition Polaire Russe en 1900-1903, sous la direction du Baron E. Toll. Section E: Zoologie* **2**(8). *Zapiski Imperatorskoi Akademii Nauk, Série 8, Classe physico-mathématique* **29**(8): 14 (*Orthocladus*). Type-locality: [Russia, East Siberia] “Ins. Neu-Sibirien, Südufer, Holzgebirge” [= New Siberian Islands, south coast, Holz Mountains]. — Distr.: **PA**: China (Inner Mongolia, Liaoning, Tianjin), ?Finland, Kaliningrad, Mongolia, Russia (NET, East Siberia, Far East), Sweden, Ukraine.

komensis (ZVEREVA, 1950): *Entomologicheskoe Obozrenie* **31**(1-2): 275 (*Syndiamesa*). Type-locality: [Russia, Northern European Territory] ****Ozero Yusyavad — poima Vychehdy**** [= Lake Yusyavad — flood plain of the River Vychehda].

- saetheri** WANG, LIU & PAASIVIRTA, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 310 (*Prosilocerus*). Type-locality: “NORTH FINLAND: Lapland, Inari, Ivalo Village, River Ivalojoiki, 68°42’N, 27°30’E”. — Distr.: **PA**: Finland.
- sinicus** SÆTHER & WANG, 1996: *Entomologica Scandinavica* **27**(4): 457 (*Prosilocerus*). Type-locality: “CHINA: Hebei, Tianjin, Ji County, Yuqiao Reservoir”. — Distr.: **PA**: China (Liaoning, Tianjin).
- taihuensis** (WEN, ZHOU & RONG, 1994): *Entomotaxonomia* **16**(3): 206 [210] (*Tokunagayusurika*). Type-locality: [p. 210, English Summary] {Taihu Lake, China} “the Lake-shore Area, Wuxi City, Jiangsu Province”. — Distr.: **OR**: China (Jiangsu).
- taimyrus** ZELENTZOV, 2000: *Zoologicheskii Zhurnal* **79**(10): 1242 (*Prosilocerus*). Type-locality: **Rossiya, p-v Taimyr, 5—6 km zapadne g. Noril’ska, stantsiya Azharki** [= Russia, Taimyr Peninsula, 5—6 kilometres west of the town of Norilsk, Azharki Station]. — Distr.: **PA**: Russia (East Siberia).
- sp.: CRANSTON, BARLEY, LANGLEY (née CHASE), DIEFFENBACHER-KRALL, LONGMUIR, & ZLOTY, 2011: *Aquatic Insects* **33**(4): 344 (*Prosilocerus*). Locality: “CANADA: British Columbia, Alice Arm, nr Kitsault, 55° 24’ 53’’N 129° 25’ 23’’W”. — Distr.: **NE**: Canada (British Columbia). [**Note**]

Genus **PROSMITTIA** BRUNDIN

- PROSMITTIA** BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 165. Type-species: *Pseudosmittia jemtlandica* Brundin, 1947, by original designation.
- SHINANOYUSURIKA* SASA & HIRABAYASHI, 1991: *Japanese Journal of Sanitary Zoology* **42**(2): 116. Type-species: *Shinanoyusurika kami quarta* Sasa & Hirabayashi, 1991, by original designation. Synonymized with *Prosmittia* Brundin, 1956, by Sæther & Ferrington (1993: *Journal of the Kansas Entomological Society* **66**(3): 258). [**Note**]
- SHINANOYASURIKA*: incorrect original spelling.

- TOGASMITTIA* SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 163. Type-species: *Togasmittia togarotunda* Sasa & Okazawa, 1992 [= *Pseudosmittia jemtlandica* Brundin, 1947], by original designation. Synonymized with *Prosmittia* Brundin, 1956, by Sæther & Ferrington (1993: *Journal of the Kansas Entomological Society* **66**(3): 258).
- TOGASMITTIA* SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120. Type-species: *Togasmittia togarotunda* Sasa & Okazawa, 1991 [= *Pseudosmittia jemtlandica* Brundin, 1947], by original designation. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**
- ETCHUYUSURIKA* SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 138. Type-species: *Etchuyusurika togacurva* Sasa & Okazawa, 1992, by monotypy. Synonymized with *Prosmittia* Brundin, 1956, by Sæther, Ashe & Murray (2000: *Manual of Palaearctic Diptera* **4** (Appendix): 183).
- ETCHUYUSURIKA* SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120. Type-species: *Etchuyusurika togacurva* Sasa & Okazawa, 1991, by original designation. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**
- HIBARASMITTIA* SASA & SUZUKI, 1998: *Tropical Medicine* **40**(1): 27 (as subgenus of *Pseudosmittia* Edwards, 1932). Type-species: *Pseudosmittia (Hibarasmittia) hibaraundecima* Sasa & Suzuki, 1998, by original designation. Synonymized with *Prosmittia* Brundin, 1956, by Sæther, Ashe & Murray (2000: *Manual of Palaearctic Diptera* **4** (Appendix): 183).
- anyuiica** MAKARCHENKO & MAKARCHENKO, 2009: *Evrziatskii Entomologicheskii Zhurnal* **8**(1): 122 (*Prosmittia*). Type-locality: "Zabytyi Sream, tributary of Gobili River, Aniui River basin (tributary of Amur River), Nanaisky District,

Khabarovsk Territory, Russian Far East, N 49°13'275", E 138°15'814" ". —
Distr.: **PA**: Russia (Far East).

furudoseptima (SASA & ARAKAWA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 97 (*Epoicocladius*). Type-locality: [Japan] [Introduction, p. 88] “Furudo . . . a man-made lake constructed in a hilly area of Ikeda, southern part of Toyama-shi”. — Distr.: **PA**: Japan.

hibaraundecima (SASA & SUZUKI, 1998): *Tropical Medicine* **40**(1): 27 (*Pseudosmittia* (*Hibarasmittia*)). Type-locality: {Japan} [p. 26] “northern Honshu . . . in the Aizu area, Fukushima”; [p. 27] “on the shore of Lake Hibara”. — Distr.: **PA**: Japan.

itachinudiocula (SASA & KAWAI, 1987): *Bulletin of the Toyama Science Museum* **10**: 59 (*Smittia*). Type-locality: {Japan, Stream Itachigawa, Toyama} “on the shore of the Itachigawa at Station No.4”. — Distr.: **PA**: Japan.

itachituberculata (SASA & KAWAI, 1987): *Bulletin of the Toyama Science Museum* **10**: 60 (*Smittia*). Type-locality: {Japan, Stream Itachigawa, Toyama} “on the bank of the Itachigawa . . . at Station 4”. — Distr.: **PA**: Japan.

jemtlandica (BRUNDIN, 1947): *Arkiv för Zoologi* **39A**: 41 (*Pseudosmittia*). Type-locality: {Sweden} “Jmtl. Jormsjön . . . am Seeufer in der Nähe der Mündung des Blåsjöälven” [= Jämtland, Jormsjön . . . on the lake shore near the mouth of the Blåsjöälven] [Lectotype designated in Cranston & Oliver, 1988: *Canadian Entomologist* **120**(5): 450, “SWEDEN, Jämtland, Jormsjön”]. — Distr.: **PA**: Austria, Finland, Japan, Netherlands, Norway, Romania, Sweden.

jintusexta (SASA, 1990): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1990**: 48 (*Pseudosmittia*). Type-locality: {Japan, Toyama, Jintsu River} “at No.2, Kiritani”.

togarotunda (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 164 (*Togasmittia*). Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”; [p. 164] “Station 11”.

- togarotunda* SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Togasmittia*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.
- kurojekea* (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (December)**: 30 (*Pseudosmittia*). Type-locality: [Japan] “at the side of Kuroyon Lake (Kuroyon Lodge)”.
- kamiquarta** (SASA & HIRABAYASHI, 1991): *Japanese Journal of Sanitary Zoology* **42(2)**: 116 (*Shinanoyusurika*). Type-locality: [Japan] “at Kamikochi”. — Distr.: **PA**: Japan, Russia (Far East).
- kibaprima** (SASA & SUMITA, 1998): *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25(3)**: 72 (*Epoicocladius*). Type-locality: {Japan} [Abstract, p. 70] “on the shore of Lake Kibagata, located near the Japan Sea in Ishikawa Prefecture”; [p. 72] “Kibagata”. — Distr.: **PA**: Japan.
- rectangularis** TUISKUNEN, 1985: *Annales Entomologici Fennici* **51(2)**: 55 (*Prosmittia*). Type-locality: “Finland, Le, Enontekiö (762:28)”. — Distr.: **PA**: Finland, Russia (Far East).
- taishodeea** (SASA & TANAKA, 2001): *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **33**: 55 (*Eukiefferiella*). Type-locality: {Japan} [Abstract, p. 41] “Tone River, Gunma Prefecture”; [p. 55] “Taisho Bridge”. — Distr.: **PA**: Japan.
- tauimensis** MAKARCHENKO & MAKARCHENKO, 2007: *Russian Entomological Journal* **16(1)**: 120 (*Prosmitta*). Type-locality: “Khayandzha River, Tau River basin, Okhotsk Sea coast of Magadan region, Russian Far East”. — Distr.: **PA**: Russia (Far East).
- togacurva** (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 138 (*Etchuyusurika*). Type-

locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”; [p. 138] “at St. 11” [= at Station 11]. — Distr.: **PA**: Japan.

togacurva (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center 1991*: 120 (*Etchuyusurika*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

valentinae BARANOV, 2011: *Vestnik Zoologi* **45**(5): 407 (*Prosmittia*). Type-locality: “Ukraine: Crimean Peninsula, Yalta, mouth of the Ucahnsu River, 44°49’ N 34°16’ E”. — Distr.: **PA**: Ukraine.

verae KRASHENINNIKOV & MAKARCHENKO, 2008: *Kavkazskii Entomologicheskii Byulleten* **4**(3): 359 (*Prosmittia*). Type-locality: **Rossiya, Krasnodarskii kr., okr. Sochi, r. Agura, u podnozhiya g. Malyi Akhun** [= Russia, Krasnodar Krai, vicinity of Sochi, River Agura, at the foot of Malyi Akhun Mountain]. — Distr.: **PA**: Russia (SET).

yakytaira (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(2): 95 (*Pseudosmittia*). Type-locality: {Yakushima Island, Southwestern Japan} “Shirotani River”. — Distr.: **PA**: Japan.

Genus **PSECTROCLADIUS** KIEFFER

PSECTROCLADIUS KIEFFER, 1906: *Genera Insectorum* **42**: 26 (as subgenus of *Orthocladius* Wulp, 1874). Type-species: *Orthocladius (Psectrocladius) psilopterus* Kieffer, 1906, by subsequent designation of Kieffer (1906: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **30**: 356). Senior homonym of *Psectrocladius* Kieffer, 1906 (below).

PSECTROCLADIUS KIEFFER, 1906: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **30**: 356 (as subgenus of *Orthocladius* Wulp, 1874). Type-species:

Orthocladius (Psectrocladius) psilopterus Kieffer, 1906, by original designation.

Preoccupied. Junior homonym of *Psectrocladius* Kieffer, 1906 (above). [Note]

ALLOPSECTROCLADIUS WÜLKER, 1956: see below as subgenus.

MESOPSECTROCLADIUS LAVILLE, 1972: see below as subgenus.

MONOPSECTROCLADIUS WÜLKER, 1956: see below as subgenus.

PSECTROCLADIUS KIEFFER, 1906: see below as subgenus.

Subgenus **ALLOPSECTROCLADIUS WÜLKER**

ALLOPSECTROCLADIUS WÜLKER, 1956: *Archiv für Hydrobiologie Supplement* **24**(1):

12 (as subgenus of *Psectrocladius* Kieffer, 1906). Type-species: *Chironomus dilatatus* authors nec Wulp, 1859 [= *Chironomus obvius* Walker, 1856], by original designation.

conjungens (BRUNDIN, 1947): *Arkiv för Zoologi* **39A**: 27 (*Chaetocladius*). Type-locality:

{Sweden} “Sm. Gem. Gårdsby . . . an einem Moorgraben am Ufer des Glassjön” [= Småland, Gårdsby Municipality . . . in a bog ditch on the shore of Glassjön]. — Distr.: **PA**: Finland, France, Sweden. [Note]

conjungens: incorrect subsequent spelling.

flavus (JOHANNSEN, 1905): *Bulletin of the New York State Museum* **86**: 270

(*Orthocladius*). Type-locality: [U.S.A.] “from pond water . . . Ithaca N. Y.” [N. Y. = New York]. — Distr.: **NE**: Canada (Saskatchewan), U.S.A. (Illinois, New York, Pennsylvania, South Dakota).

nigrus ROBACK, 1957: *Monographs of the Academy of Natural Sciences of Philadelphia* **9**:

88 (*Psectrocladius*). Type-locality: [U.S.A., Pennsylvania, near Philadelphia] “Pond just below route 320 between 23 and alternate route 23”. — Distr.: **NE**: Canada (Alberta), U.S.A. (Pennsylvania).

obvius (WALKER, 1856): *Insecta Britannica Diptera* **3**: 174 (*Chironomus*). Type-locality:

[Great Britain] “(E.)” [= England]. — Distr.: **NE**: Canada (Northwest Territories, Québec); **PA**: Algeria, Austria, Belgium, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Hungary, ?Iceland, Ireland, Italy, Kaliningrad, Moldova, Mongolia, Morocco,

Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, SET, East Siberia, Far East), Slovakia, Spain, Sweden, Switzerland, Turkey, Ukraine.

oppertus (WALKER, 1856): *Insecta Britannica Diptera* **3**: 183 (*Chironomus*). Type-locality: [Great Britain] “(E.)” [= England]. [Note]

dilatatus (WULP, 1859): *Tijdschrift voor Entomologie* **2**: 167 (*Chironomus*). Type-locality: [Netherlands] “’s Gravenhage”. Senior primary homonym of *Chironomus dilatatus* Wulp, 1859 (*Bouwstoffen voor eene fauna van Nederland* **3**: 7) and *Chironomus dilatatus* Wulp, 1859 (*Bouwstoffen voor eene fauna van Nederland* **3**: 32). [Note] - See Addendum, page 968.

dilatatus; *dilitatus*: incorrect subsequent spellings.

dilatatus (WULP, 1859): *Bouwstoffen voor eene fauna van Nederland* **3**: 7 (*Chironomus*; as “*Dilatatus*”). Type-locality: [Publication Title] “Nederland” [= Netherlands]; [p. 7] “’s Gravenhage”. **Preoccupied**. Junior primary homonym of *Chironomus dilatatus* Wulp, 1859 (*Tijdschrift voor Entomologie* **2**: 167).

dilatatus (WULP, 1859): *Bouwstoffen voor eene fauna van Nederland* **3**: 32 (*Chironomus*; as “*Dilatatus*”). Type-locality: [Publication Title] “Nederland” [= Netherlands]. **Preoccupied**. Junior primary homonym of *Chironomus dilatatus* Wulp, 1859 (*Tijdschrift voor Entomologie* **2**: 167).

extensus KIEFFER in KIEFFER & THIENEMANN, 1908: *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 10 (*Psectrocladius*). Type-locality: Not given || ► Type-localities: [Germany] “Insel Rügen” [= island of Rügen]; “Hamburg”, in Kieffer in Kieffer & Thienemann, 1908: *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 33 ◀ ||. Senior primary homonym of *Psectrocladius extensus* Kieffer, 1908 (below).

extensus KIEFFER in KIEFFER & THIENEMANN, 1908: *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 33 (*Psectrocladius*). Type-localities: [Germany] “Insel Rügen” [= island of Rügen]; “Hamburg”. **Preoccupied**. Junior primary homonym of *Psectrocladius extensus* Kieffer, 1908 (above).

platypus (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 333

(*Spaniotoma (Psectrocladius)*). Type-locality: [Great Britain] “Brodict, Arran”; “Whernside and Austwick, Yorks.” [Yorks. = Yorkshire]. — Distr.: **PA**: Algeria, Austria, Balearic Islands, Belgium, Denmark, Finland, France, Germany, Great Britain, Ireland, Netherlands, Norway, Poland, Portugal, Russia (CET, NET), Slovakia, Spain, Sweden, Turkey.

pilosus ROBACK, 1957: *Monographs of the Academy of Natural Sciences of Philadelphia* **9**: 88 (*Psectrocladius*). Type-locality: [U.S.A.] “Shanes Run near Friendship, N. J.; southwest of Eagle and Chaddsford, N. J.” [N. J. = New Jersey]. — Distr.: **NE**: U.S.A. (Florida, Georgia, Maine, New Jersey, South Dakota).

shofukuoctavus SASA, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 38 (*Psectrocladius (Monopsectrocladius)*). Type-locality: {Japan} [Abstract, p. 14] “in the Shofuku Garden, . . . about 1 km from the mouth of Kurobe River”. — Distr.: **PA**: Japan.

shofukunonus SASA, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 40 (*Psectrocladius (Psectrocladius)*). Type-locality: {Japan} [Abstract, p. 14] “in the Shofuku Garden, . . . about 1 km from the mouth of Kurobe River”. — Distr.: **PA**: Japan.

Subgenus **MESOPSECTROCLADIUS** LAVILLE

MESOPSECTROCLADIUS LAVILLE, 1972: *Annales de Limnologie* **7**(2): 195 (as subgenus of *Psectrocladius* Kieffer, 1906). Type-species: *Psectrocladius barbatipes* Kieffer, 1923, by original designation. [**Note**]

barbatipes KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 144 (*Psectrocladius*). Type-locality: [Czech Republic] “Bohême : Trebitsch” [= Bohemia : Třebíč]. — Distr.: **PA**: Czech Republic, Denmark, Finland, France, Germany, Great Britain, Ireland, Morocco, Norway, Portugal, Slovakia.

seiryuheius SASA, SUZUKI & SAKAI, 1999: *Tropical Medicine* **40**(3): 108 (*Psectrocladius*). Type-locality: [Abstract, p. 99] “Shimanto River, western

Shikoku Island, Japan”; [p. 108] “Nakamura”. — Distr.: **PA**: Japan.

Subgenus **MONOPSECTROCLADIUS** WÜLKER

MONOPSECTROCLADIUS WÜLKER, 1956: *Archiv für Hydrobiologie Supplement* **24**(1): 10 (as subgenus of *Psectrocladius* Kieffer, 1906). Type-species: *Spaniotoma* (*Psectrocladius*) *calcarata* Edwards, 1929, by original designation.

calcaratus (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 333 (*Spaniotoma* (*Psectrocladius*)). Type-locality: [Great Britain] “Lake Windermere”. — Distr.: **NE**: Canada (Alberta, Northwest Territories), U.S.A. (Alabama); **PA**: Algeria, Belgium, Czech Republic, Denmark, Finland, France, Great Britain, Ireland, Netherlands, Norway, Poland, Romania, Russia (NET), Slovenia, Spitzbergen, Sweden, Turkey.

yukawana (TOKUNAGA, 1936): *Philippine Journal of Science* **60**(3): 314 (*Spaniotoma* (*Psectrocladius*)). Type-locality: “Japan . . . Yukawa, Wakayama Prefecture”. — Distr.: **PA**: Japan.

Subgenus **PSECTROCLADIUS** KIEFFER

aquatronus SASA, 1979: *Research Report from the National Institute for Environmental Studies* **7**: 28 (*Psectrocladius*). Type-locality: {Japan} “concrete pools constructed in NIES” [NIES = National Institute for Environmental Studies, Ibaraki]. — Distr.: **PA**: Japan.

toyamajekeus (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (March)**: 33 (*Orthocladius* (*Orthocladius*)). Type-locality: [Introduction, p. 16] “Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill”; [p. 17] “at the side of the ground pool "A." ” [= Lake A, p. 16].

barbatimanus KIEFFER, 1926: *Norsk Entomologisk Tidsskrift* **2**: 82 (*Psectrocladius*). Type-locality: [Canada, Nunavut, Ellesmere Island] “Indre Eide” [Indre Eide = Inner Isthmus at Gåsefjord]. — Distr.: **NE**: Canada (Nunavut), Greenland.

barbimanus (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 333 (*Spaniotoma (Psectrocladius)*). Type-locality: [Great Britain] "Putney, S.W. London". — Distr.: **NE**: Canada (British Columbia, Northwest Territories, Saskatchewan), Greenland, U.S.A. (California, South Dakota); **PA**: Armenia, Austria, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, ?Kazakhstan, ?Lebanon, Lithuania, Mongolia, Netherlands, Norway, Poland, Romania, Russia (NET, SET, East Siberia, ?West Siberia), Spain, Spitzbergen, Sweden, Switzerland, Tajikistan, Turkey, ¶Yugoslavia.

armatus ANDERSEN, 1937: *Meddelelser om Grønland* **116**(1): 56 (*Psectrocladius*). Type-locality: {Nordost-Grønlands} "Ulvesee, Ellainsel" [= Ulve Lake, Ella Island] [Nordost-Grønlands = north-east Greenland].

dispar AKHROROV, 1977: *Zoologicheskii Zhurnal* **56**(4): 545 (*Psectrocladius*). Type-locality: [Tajikistan] **Ostatochnyi vodoem na vostochnom kontse oz. Zorkul'** [= Residual reservoir at the eastern end of Lake Zorkul'].

goetghebueri AKHROROV, 1977: *Zoologicheskii Zhurnal* **56**(4): 547 (*Psectrocladius*). Type-locality: [Tajikistan] **Vostochnyi konets oz. Zorkul'** [= Eastern end of Lake Zorkul'].

pamiricus AKHROROV, 1977: *Zoologicheskii Zhurnal* **56**(4): 546 (*Psectrocladius*). Type-locality: [Tajikistan] **Ostatochnyi vodoem y vostochnogo kontsa oz. Zorkul'** [= Residual reservoir at the eastern end of Lake Zorkul'].

symbioticus AKHROROV, 1977: *Zoologicheskii Zhurnal* **56**(4): 548 (*Psectrocladius*). Type-locality: [Tajikistan] **Ostatochnyi vodoem verkhov'ya (vostochnogo konets) oz. Zorkul'** [= upper residual reservoir (eastern end) Lake Zorkul'].
[Note]

tadshikistanicus AKHROROV, 1977: *Zoologicheskii Zhurnal* **56**(4): 544 (*Psectrocladius*). Type-locality: [Tajikistan] **Melkie vodoemy okrestnostei oz. Bol'shoi Kukdzhigit** [= Small reservoir in the vicinity of Lake Bol'shoi Kukdzhigit]. [Note]

zernovi AKHROROV, 1977: *Zoologicheskii Zhurnal* **56**(4): 547 (*Psectrocladius*).

Type-locality: [Tajikistan] **Ruchei na vostochnom kontse oz. Zorkul** [= Stream at the eastern end of Lake Zorkul']. [Note]

? *ishimicus* CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 113 (*Psectrocladius*). Type-locality: Not given || ► Type-locality: “Kazakhstan, Ishimskaya Step’, oz. Chebaki” [= Kazakhstan, Ishim steppe, Lake Chebaki] ◀ ||. **Questionable synonym**. [Note]

bisetus GOETGHEBUER, 1942: *Bulletin du Musée Royal d’Histoire Naturelle de Belgique* **18**(46): 12 (*Psectrocladius*). Type-locality: “Autriche : Rotmoos (Alpines Hochmoor)” [= Austria : Rotmoos (Alpine high moor)]. — Distr.: **PA**: Austria, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Kaliningrad, Mongolia, Netherlands, Norway, Romania, Russia (Far East), Sweden.

borealis KIEFFER in KIEFFER & THIENEMANN, 1919: *Entomologische Mitteilungen* **8**: 110 (*Psectrocladius*). Type-locality: “Spitzbergen, Kingsbai, Bäche und Tümpel” [= Spitzbergen, Kings Bay, streams and ponds]. — Distr.: **PA**: Spitzbergen.

brehmi KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 144 (*Psectrocladius*; as “*Brehmi*”). Type-locality: “Allemagne” [= Germany]. — Distr.: **PA**: Algeria, Austria, Czech Republic, Estonia, France, Germany, Italy, Morocco, Netherlands, Russia (NET), Slovakia, Switzerland.

delatoris ZELENTSOV, 1980: *Trudy Instituta Biologii Vnutrennikh Vod* **41**(44): 216 (*Psectrocladius* (*Psectrocladius*)). Type-localities: [Russia, Central European Territory] [p. 193] **iz raiona Rybinskogo vodokhranilishcha** [= in the vicinity of the Rybinsk Reservoir]; [p. 219] **Stoyachie i slaboprotochnye vodoemy Yaroslavskoi i Ivanovskoi obl.** [= Standing and slow-flowing waters in Yaroslavl and Ivanovo Oblasts]. — Distr.: **PA**: Netherlands, Russia (CET, NET, East Siberia).

dendrophilus ZVEREVA, 1950: *Entomologicheskoe Obozrenie* **31**(1/2): 279

(*Psectrocladius*). Type-localities: [Russia, Northern European Territory] **Vycheгда, Sysola** [= River Vycheгда, River Sisola]. — Distr.: **PA**: Russia (NET).

dubius SÆTHER & LANGTON, 2011: *Aquatic Insects* **33**(2): 144 (*Psectrocladius* (*Psectrocladius*)). Type-locality: “CANADA: Manitoba, 1 mile west of Whiteshell Provincial Park entrance on highway 1”. — Distr.: **NE**: Canada (Manitoba, Ontario), U.S.A. (South Carolina).

dubius subsp. **dubius** SÆTHER & LANGTON, 2011: *Aquatic Insects* **33**(2): 144 (*Psectrocladius* (*Psectrocladius*)). Type-locality: “CANADA: Manitoba, 1 mile west of Whiteshell Provincial Park entrance on highway 1”. — Distr.: **NE**: Canada (Manitoba, Ontario).

dubius subsp. **keoweensis** SÆTHER & LANGTON, 2011: *Aquatic Insects* **33**(2): 148 (*Psectrocladius* (*Psectrocladius*)). Type-locality: “USA: South Carolina, Pickens Co., Seneca, Keowee Reservoir, Little River Dam”. — Distr.: **NE**: U.S.A. (South Carolina).

fabricus ZELENTSOV, 1980: *Trudy Instituta Biologii Vnutrennikh Vod* **41**(44): 195 (*Psectrocladius* (*Psectrocladius*)). Type-localities: [Russia, Central European Territory] [p. 193] **iz raiona Rybinskogo vodokhranilishcha** [= in the vicinity of the Rybinsk Reservoir]; [p. 216] **Stoyachie i slaboprotochnye vodoemy Yaroslavskoi, Vologodskoi i Permskoi oblastei** [= Standing and slow-flowing waters in Yaroslavl, Vologda and Perm Oblasts]. — Distr.: **PA**: Netherlands, Romania, Russia (CET, East Siberia).

famifegeus SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (March)**: 56 (*Psectrocladius* (*Psectrocladius*)). Type-locality: [Introduction, p. 16] “Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill”; [p. 47] “at the side of Rokusen Lake” [= Lake B, p. 16]. — Distr.: **PA**: Japan.

fennicus STORÅ, 1939: *Notulae Entomologicae* **19**(1/2): 24 (*Psectrocladius*). Type-localities: [Finland] “K s. Kuusamo”; “Isosuo, Reisermoor”; “Kuolajärvi”. —

Distr.: **NE**: Canada (Newfoundland and Labrador, Northwest Territories), Greenland; **PA**: Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Netherlands, Norway, Russia (CET, NET, East Siberia, Far East), Sweden.

formosae KIEFFER, 1923: *Annales de la Société Linnéenne de Lyon* **69**: 40 (*Psectrocladius*).

Type-locality: [Taiwan] {Formosa} “Hokuto”. — Distr.: **OR**: Taiwan. [**Note**]

gotoheius SASA & SUZUKI, 2001: *Tropical Medicine* **42**(3/4): 160 (*Psectrocladius*). Type-

locality: {Goto Islands, Western Japan} “Wani River”. — Distr.: **PA**: Japan.

inawaopeus (SASA, KITAMI & SUZUKI, 2000): *Memoirs of the Museum of Dr. Hideyo*

Noguchi: 20 (*Orthocladius* (*Orthocladius*)). Type-locality: [Japan] [Title, p. 2]

“Lake Inawashiro, Fukishima Prefecture”. — Distr.: **PA**: Japan.

jintuoctadecimus (SASA, 1996): *Research Report from Toyama Prefectural Environmental*

Pollution Research Center **1996 (December)**: 68 (*Hydrobaenus*). Type-locality:

[Japan] [p. 61, Introduction] “in Toyama Prefecture along the main stream of Jinzu River and its tributaries”; [p. 68] “at S. 6, Yawata”. — Distr.: **PA**: Japan.

kangi REE & JEONG, 2010: *Korean Journal of Systematic Zoology* **26**(2): 138

(*Psectrocladius*). Type-locality: [South Korea] “Sinsau-dong, Chuncheon-si, Gangwon-do”. — Distr.: **PA**: South Korea.

limbatellus (HOLMGREN, 1869): *Kungliga Svenska VetenskapsAkademiens Handlingar*

8(5): 44 (*Chironomus*). Type-localities: [Norway] “Hab. in Spetsbergia ad

Advent Bay et Kobbabay” [= Dwells in Spitzbergen at Advent Bay and Kobb Bay]. — Distr.: **NE**: Canada (Manitoba, Nunavut), Greenland, U.S.A. (South

Dakota); **PA**: Austria, Azores, Bear Island, Belgium, Canary Islands, Czech Republic, Denmark, Faroe Islands, Finland, France, Germany, Great Britain,

Iceland, Ireland, Italy, Lebanon, Morocco, Netherlands, Norway, Novaya Zemlya, Poland, Portugal, Romania, Russia (NET, East Siberia), Sicily,

Slovakia, Spain, Spitzbergen, Sweden, Switzerland, Turkey, Ukraine, United Arab Emirates.

edwardsi BRUNDIN, 1949: *Reports from the Institute of Freshwater Research,*

Drottningholm **30**: 816 (*Psectrocladius*; as “*Edwardsi*”). Type-locality: [Sweden] “See Skären in Småland” [= Lake Skären in Småland]. [Note]

litofilus AKHROROV, 1977: *Zoologicheskii Zhurnal* **56**(4): 544 (*Psectrocladius*). Type-locality: [Tajikistan] **Vostochnyi konets oz. Zorkul' (Pamir)** [= Eastern end of Lake Zorkul' (Pamirs)]. — Distr.: **PA**: Mongolia, Russia (NET), Tajikistan.

acatovae AKHROROV, 1977: *Zoologicheskii Zhurnal* **56**(4): 548 (*Psectrocladius*). Type-locality: [Tajikistan] **Ostatochnyi vodoem na vostochnom kontse oz. Zorkul'** [= Residual reservoir at the eastern end of Lake Zorkul'].

longipennis WANG & ZHENG, 1996: *Insects of the Karakorum-Kurun Mountains*: 163 (*Psectrocladius (Psectrocladius)*). Type-locality: [English Abstract, p. 165-166] [China] “Qinghai Province (Hoh Xil Lake), 4850m”. — Distr.: **PA**: China (Qinghai).

nevalis AKHROROV, 1977: *Zoologicheskii Zhurnal* **56**(4): 546 (*Psectrocladius*). Type-locality: [Tajikistan] **Ostatochnyi vodoem na vostochnom kontse oz. Zorkul'** [= Residual reservoir at the eastern end of Lake Zorkul']. — Distr.: **PA**: Tajikistan.

octomaculatus WÜLKER, 1956: *Archiv für Hydrobiologie Supplement* **24**(1): 15 (*Psectrocladius (Psectrocladius)*). Type-localities: [Germany] “Schwarzwald: . . . Tümpel oberhalb Feldberger Hof (1300 m)” [= Black Forest: . . . pools above Feldberger Hof (1300 metres)] ; “Helokrene im obersten Seebach-Quellgebiet (Feldberg, 1400 m)” [= Helocrene in the uppermost lake-brook spring region (Feldberg, 1400 metres)]; “Wiesengraben im Haslachtal unterhalb Falkau (900 m)” [= ditch in the meadow at Haslachtal below Falkau (900 metres)]; “Quelle bei Hinterzarten (1000 m)” [= Spring at Hinterzarten (1000 metres)]. — Distr.: **NE**: U.S.A. (Colorado); **PA**: Austria, ?Canary Islands, Finland, France, Germany, Great Britain, Ireland, Italy, ?Madeira, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Spitzbergen, Sweden, Switzerland. [Note]

oligosetus WÜLKER, 1956: *Archiv für Hydrobiologie Supplement* **24**(1): 22 (*Psectrocladius*

(*Psectrocladius*). Type-locality: [Germany] “Schwarzwald: . . . Titisee” [= Black Forest: . . . Titisee]. — Distr.: **PA**: Austria, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Moldova, Netherlands, Norway, Portugal, Russia (CET, NET), Sicily, Slovakia, Sweden. [**Note**]

oxyura LANGTON, 1985: *Entomologica Scandinavica* **15**(4): 482 (*Psectrocladius* (*Psectrocladius*)). Type-locality: [Great Britain] “England, Lake District, Cow Green Reservoir, near Hole Soke Bay”. — Distr.: **PA**: Austria, Finland, France, Germany, Great Britain, Ireland, Italy, Netherlands, Norway, Slovakia, Spain, Spitzbergen, Sweden, Switzerland.

pancratovae AKHROROV, 1977: *Zoologicheskii Zhurnal* **56**(4): 539 (*Psectrocladius*). Type-locality: [Tajikistan] **Tadzhikskaya SSR, Gorno-Badakhshanskaya avtonomnaya oblast' (GBAO), vostochnyi Pamir, ostatochnyi vodoem v zapadnom kontse oz. Bol'shoi Kukdzhigit** [= Tadzhikskaya SSR, Gorno-Badakhshanskaya Autonomous Oblast (GBAO), eastern Pamirs, residual reservoir at the western end of Lake Bol'shoi Kukdzhigit]. — Distr.: **PA**: Afghanistan, Tajikistan.

polaris KIEFFER, 1926: *Norsk Entomologisk Tidsskrift* **2**: 83 (*Psectrocladius*). Type-localities: [Canada, Nunavut, Ellesmere Island] “Havnen” [= Gåsefjord]; “Indre Eide” [= Inner Isthmus at Gåsefjord] [Lectotype designated in Sæther, Sublette & Willassen, 1984: *Entomologica Scandinavica* **15**(2): 256, “Canada: Northwest Territories, Ellesmere Island, “Havnen” (= Gåsefjord)”] [Northwest Territories = Nunavut]. — Distr.: **NE**: Canada (Nunavut); **PA**: Novaya Zemlya.

pseudostilatus AKHROROV, 1975: *Gidrobiologicheskii Zhurnal* **11**(2): 70 (*Psectrocladius*). Type-locality: [Tajikistan] **v verkhov'e Kairak-Kumskogo vodokhranilishcha, v raione Sol'promovskogo** [= in the upper reaches of the Kara-Kum Reservoir, in the district of Sol'promovsky]. — Distr.: **PA**: Tajikistan.

psilopterus (KIEFFER in KIEFFER & THIENEMANN, 1906): *Zeitschrift für Wissenschaftliche Insektenbiologie* **2**: 144 (*Orthocladius* (*Psectrocladius*)). Type-locality: [Germany] [p. 145] “Greifswald” [p. 149] “in einem flachen

Wiesentümpel in der Nähe von Greifswald” [= in a shallow meadow pond near Greifswald]. — Distr.: **NE**: U.S.A. (Ohio); **PA**: Austria, Bulgaria, Czech Republic, Denmark, Faroe Islands, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Kaliningrad, Netherlands, Norway, Poland, Romania, Russia (CET, NET, SET, East Siberia), Slovakia, Spain, Sweden, Switzerland, Turkey.

psilopterus (KIEFFER, 1906): *Genera Insectorum* **42**: 26 (*Orthocladius* (*Psectrocladius*)). Locality: “Allemagne” [= Germany]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

schlienzi WÜLKER, 1956: *Archiv für Hydrobiologie Supplement* **24**(1): 17 (*Psectrocladius* (*Psectrocladius*)). Type-localities: [Germany] “Schwarzwald: . . . Feldsee” [= Blackforest: . . . Feldsee]; “Windgfällweiher” [= Windgfäll pond]; “Stauteich am Einfluß des Schluchsees” [= Storage pond on the inflow of the Schluchsee]; “Titisee”; “Ursee”; “Löschteich bei Falkau” [= fire extinguishing pond at Falkau]; “Schlüchtsee”. — Distr.: **PA**: Austria, Denmark, Finland, Germany, Great Britain, Italy, Moldova, Mongolia, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland. [**Note**]

semicirculatus SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 79 (*Psectrocladius* (*Psectrocladius*)). Type-locality: [Canada] “in Mougeotia, 0.1-m depth, Lake 254, Fisheries Research Board of Canada Experimental Lakes Program, Kenora, Ont.” [Ont. = Ontario]. — Distr.: **NE**: Canada (Ontario), U.S.A. (Ohio).

sensilipes SÆTHER & LANGTON, 2011: *Aquatic Insects* **33**(2): 135 (*Psectrocladius* (*Psectrocladius*)). Type-locality: “CANADA, Manitoba, 1 mile west of Whiteshell Provincial Park entrance on highway 1”. — Distr.: **NE**: Canada (Manitoba, Saskatchewan).

simulans (JOHANNSEN, 1937): *Memoirs Cornell University Agricultural Experiment Station* **205**: 67 (*Spaniotoma* (*Psectrocladius*)). Type-locality: [U.S.A.] “in

Canal Pond, New York". — Distr.: **NE**: Canada (Alberta, Ontario, Saskatchewan), U.S.A. (Florida, Michigan, New York, North Carolina, Ohio, South Carolina); **PA**: Bulgaria, Estonia, Hungary, Kaliningrad, Lithuania, Mongolia, Poland, Romania, Russia (CET, NET, SET, East Siberia).

? *medius* CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 112 (*Psectrocladius*). Type-locality: [Russia, Northern European Territory] **v severnykh ozerakh Evropeiskoi chasti SSSR** [= in northern lakes of the European part of the SSSR].

Questionable synonym. [Note]

sokolovae ZELENTZOV & MAKARCHENKO, 1988: *Fauna, Sistematika i Biologiya Presnovodnykh Bespozvonochnykh*: 40 (*Psectrocladius (Psectrocladius)*). Type-locality: [Russia] {Far East} **Magadanskaya oblast, raion Chaunskoi guby, tundrovoe ozero v nizov'e r. Chaun** [= Magadan Oblast, Chaunsky District inlet, tundra lakes in the lower reaches of the River Chaun]. — Distr.: **PA**: Novaya Zemlya, Russia (East Siberia, Far East).

sordidellus (ZETTERSTEDT, 1838): *Insecta Lapponica* [Heft 3]: 814 (*Chironomus*). Type-locality: "in Lapponia Umensi . . . ad Wilhelmina . . . (Lapponia Suecica meridionalis.)" [= in Umeå Lapland . . . at Wilhelmina (now Vilhelmina) . . . (southernmost Swedish Lapland.)]. — Distr.: **NE**: U.S.A. (Alaska); **PA**: Algeria, Austria, Azores, Belgium, Bosnia and Herzegovina, Canary Islands, Croatia, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Kaliningrad, Latvia, Lithuania, Morocco, Netherlands, Norway, Novaya Zemlya, Poland, Portugal, Romania, Russia (CET, NET, Far East), Slovakia, Spain, Sweden, Switzerland, Turkey.

exspatians (WALKER, 1856): *Insecta Britannica Diptera* **3**: 182 (*Chironomus*). Type-locality: [Great Britain] "(E.)" [= England].

stratiotis KIEFFER, 1908: *Bulletin de l'Académie Royale de Belgique, Classe des Sciences* **1908** (8): 706 (*Psectrocladius*). Type-locality: [Belgium] "Larve dans les feuilles de *Stratiotes aloides* . . . Gand" [= Larva in the leaves of *Stratiotes*

aloïdes . . . Gand].

remotus KIEFFER in THIENEMANN, 1916: *Verhandlungen des Naturhistorischen Vereins der Preussischen Rheinlande, Westfalens und des Regierungsbezirks Osnabrück* **72**: 51 (*Psectrocladius*). Type-localities: [Germany] [p. 13] “auf dem Ulmener Maar” [= on the Ulmen Maar]; “aus dem Soestbach bei Soest i. W.” [= from the Soest brook near Soest in Westphalia]. [**Note**]

remotus POTTHAST, 1914: *Archiv für Hydrobiologie Supplement* **2**(2) [Preprint]: 320 (*Psectrocladius*). Localities: [Germany] “Soestbach (Soest i. W.) oberhalb der Kläranlage” [= Soest brook (Soest in Westphalia) above the water purification plant]; “Ulmener Maar (Eifel)”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

? *albinervis* (WULP, 1875): *Tijdschrift voor Entomologie* **17**(5): 141 (*Orthocladius*). Type-localities: [Netherlands] “Utrecht”; “Driebergen”. **Questionable synonym**.

subsenilis SÆTHER & LANGTON, 2011: *Aquatic Insects* **33**(2): 150 (*Psectrocladius* (*Psectrocladius*)). Type-locality: “CANADA: Ontario, Kenora, Experimental Lakes Area, Lake 13223”. — Distr.: **NE**: Canada (Manitoba, Ontario).

togaminimus SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 121 (*Psectrocladius*). Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”; [p. 121] “at Yakuba, Toga-mura”. — Distr.: **PA**: Japan.

togaminimus SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 119 (*Psectrocladius*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

- tusimoreseus** SASA & SUZUKI, 1999: *Tropical Medicine* **41**(2): 94 (*Psectrocladius* (*Psectrocladius*)). Type-locality: [Introduction, p. 75] “Tsushima Island . . . western Japan”; [p. 94] “Uchiyama”. — Distr.: **PA**: Japan.
- tusimoseteus** SASA & SUZUKI, 1999: *Tropical Medicine* **41**(2): 95 (*Psectrocladius* (*Psectrocladius*)). Type-locality: [Introduction, p. 75] “Tsushima Island . . . western Japan”; [p. 95] “Uchiyama”. — Distr.: **PA**: Japan.
- ventricosus** KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 558 (*Psectrocladius*; as “ventriosus”). Type-locality: “Nord de l’Allemagne : lac de Waterneverstorff” [= northern Germany : Waterneverstorff Lake]. — Distr.: **PA**: Austria, Azerbaijan, Denmark, Finland, Germany, Great Britain, Ireland, Moldova, Morocco, Netherlands, Russia (SET, East Siberia), Spitzbergen, Ukraine.
- ventriosus*: incorrect original spelling.
- vernalis** MALLOCH, 1915: *Bulletin of the Illinois State Laboratory of Natural History* **10**: 520 (*Psectrocladius*). Type-locality: [U.S.A.] “Dubois, Ill.” [Ill. = Illinois]. — Distr.: **NE**: Canada (Ontario), U.S.A. (Alabama, California, Colorado, Florida, Georgia, Illinois, Louisiana, Minnesota, Mississippi, New York, North Carolina, Ohio, South Carolina, Utah, Wyoming). [**Note**]
- versatilis** LINEVICH, 1963: *Trudy Limnologicheskogo Instituta* **1**: 35 (*Psectrocladius*). Type-locality: [Russia, East Siberia] **beregam r. B. Koty, nedaleko ot berega Baikala ** [= shore of River Bol’shie Koty, from near the shore of Lake Baikal]. — Distr.: **PA**: Russia (East Siberia). [**Note**]
- viridescens** FREEMAN, 1953: *Proceedings of the Royal Entomological Society (B)* **22**(7/8): 133 (*Psectrocladius*). Type-locality: [South Africa] “Bergvliet”. — Distr.: **AF**: South Africa, Zimbabwe.
- ynoquartus** SASA, 1984: *Research Report from the National Institute for Environmental Studies* **70**: 69 (*Psectrocladius*). Type-locality: [Japan] {Nikko National Park} “littoral zones of Lake Yunoko”. — Distr.: **PA**: Japan. [**Note**]

yunoduarts; *yunoguartus*: incorrect original spellings.

- zelentzovi** MAKARCHENKO & MAKARCHENKO, 2003: *Evraziatskii Entomologicheskii Zhurnal* **2**(1): 62 (*Psectrocladius* (*Psectrocladius*)). Type-locality: **Rossiya, Primorskii kr, Khasanskii r-n, bezymyannoe solonovatoe ozero v okrestnostyakh pos. Perevoznaya** [= Russia, Primorsky Krai, Khasansky District, anonymous saline lake in the vicinity of the village of Perevoznaya]. — Distr.: **PA**: Russia (Far East).
- zetterstedti** BRUNDIN, 1949: *Reports from the Institute of Freshwater Research, Drottningholm* **30**: 816 (*Psectrocladius*; as “Zetterstedti”). Type-locality: [Sweden] “Skärshultsjön in Småland” [Lectotype designated in Cranston & Oliver, 1988: *Canadian Entomologist* **120**(5): 446, “SWEDEN, Småland, Skärshultsjön”]. — Distr.: **NE**: Canada (British Columbia, Ontario); **PA**: Finland, Germany, Netherlands, Norway, Poland, Russia (CET, NET, Far East), Sweden, Switzerland.
- sp. 2 (*psilopterus* group): ROBACK, 1966: *Monographs of the Academy of Natural Sciences of Philadelphia* **14**: 324 (*Psectrocladius*). Locality: {Peru} “From the Amazonas beach pool”. — Distr.: **NT**: Peru.
- “*sordidellus* gr. sp.”: ROBACK & COFFMAN, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**(1): 122 (*Psectrocladius* (*Psectrocladius*)). Locality: {Nepal} “NP55” [= “Reservoir nr. Langpoghyun Khola, across from Jomosom . . . alt. 2830 m.”]. — Distr.: **OR**: Nepal.

Subgenerically unplaced valid species of PSECTROCLADIUS

- brachiurus** LINEVICH in LINEVICH, MAKARCHENKO & ALEKSANDROV, 2002: *Khironomidy Baikala i Pribaikal'ya*: 102 (*Psectrocladius*). Type-locality: {Russia, East Siberia} **bassein r. Angary, bereg Ordynskogo ozera** [= basin of the River Angara, shore of Lake Ordynsk]. — Distr.: **PA**: Russia (East Siberia).
- brevicosta** KIEFFER, 1917: *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 362 (*Psectrocladius*). Type-locality: “Etats-Unis: Washington, Pullman” [Etats-

Unis = United States of America]. — Distr.: **NE**: U.S.A. (Washington).

elatus ROBACK, 1957: *Monographs of the Academy of Natural Sciences of Philadelphia* **9**: 89 (*Psectrocladius*). Type-locality: [U.S.A.] “Shanes Run near Friendship, N. J.; southwest of Eagle and Chaddsford, N. J.” [N. J. = New Jersey]. — Distr.: **NE**: Canada (Ontario), U.S.A. (Florida, Mississippi, Nebraska, New Jersey, New York, North Carolina, South Carolina).

pseudogigas LINEVICH in LINEVICH, MAKARCHENKO & ALEKSANDROV, 2002: *Khironomidy Baikala i Pribaikal'ya*: 103 (*Psectrocladius*). Type-locality: {Russia, East Siberia} ****oz. Baikal, bereg Posol'skogo sora**** [= Lake Baikal, shore litter at Posol'skii]. — Distr.: **PA**: Russia (East Siberia).

spinifer (JOHANNSEN, 1928): *Journal of Entomology and Zoology* **20**(2): 34 (*Orthocladius* (*Psectrocladius*)). Type-locality: [U.S.A., California] “larvae collected in the outlet of Elsinore Lake”. — Distr.: **NE**: U.S.A. (California).

Nomina dubia in PSECTROCLADIUS

angorensis KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 121 (*Psectrocladius*). Type-locality: [Turkey] “Asia-Mineure: Angora ” [= Asia Minor: Ankara].

anomalus KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 185 (*Psectrocladius*). Type-locality: [Introduction] “Allemagne” [= Germany].

barbatitarsis KIEFFER in THIENEMANN, 1916: *Verhandlungen des Naturhistorischen Vereins der Preussischen Rheinlande, Westfalens und des Regierungsbezirks Osnabrück* **72**: 52 (*Psectrocladius*). Type-locality: [Germany, Rhineland] [p. 13] “auf dem Weinfelder Maar” [= in the Weinfelder Maar]. [**Note**]

biensis LIPINA, 1949: *Trudy Zoologicheskogo Instituta, Leningrad* **7**: 199 (*Psectrocladius*). Type-locality: [Russia, West Siberia] ****v Bii and Yan-Chili**** [= in the Rivers Bii and Yan-Chili].

bifilis KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 146 (*Psectrocladius*). Type-locality: “Allemagne” [= Germany] || ► Type-

locality: [Germany, Westphalia] “Aa oberhalb Münsters” [=Aa above Münster] in Thienemann, 1919: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 30 ◀ ||.

bifilis THIENEMANN, 1919: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 30 (*Psectrocladius*). Locality: [Germany, Westphalia] “Aa oberhalb Münsters” [=Aa above Münster]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

curvicalcar GOETGHEBUER in GOETGHEBUER & LENZ, 1950: *Die Fliegen der Palaearktischen Region* **13g**: 152 (*Psectrocladius*). Type-locality: “Aus Holstein . . . Germania” [= From Holstein . . . Germany].

dampfî KIEFFER, 1929: *Schriften der Physikalisch-Ökonomischen Gesellschaft zu Königsberg* **66**: 307 (*Psectrocladius*; as “*Dampfî*”). Type-locality: [Russia, Kaliningrad Region] “Zehlau-Hochmoor” [= Zehlau high moor].

dorsalis KIEFFER, 1909: *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 47 (*Psectrocladius*; as “*Dorsalis*”). Type-locality: {Allemagne} [= Germany] “Haltern” || ▶ Type-locality: [Germany] “eines Fischteiches in Ahsen bei Haltern” [= a fish pond in Ahsen near Haltern] in Kieffer & Thienemann, 1909: *Jahresberichte des Westfälischen Provinzial-Vereins für Wissenschaft und Kunst* **37**: 31 ◀ ||. [Note]

filiger KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 145 (*Psectrocladius*). Type-locality: [Germany] “Westphalie : rive de Niemöller” [= Westphala : bank of the Niemöller].

flaviventris KIEFFER, 1929: *Schriften der Physikalisch-Ökonomischen Gesellschaft zu Königsberg* **66**: 309 (*Psectrocladius*). Type-locality: [Russia, Kaliningrad Region] “Hochfläche Zehlau” [= Zehlau plateau].

flavofasciatus KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 185 (*Psectrocladius*). Type-locality: “Autriche” [= Austria]. [Note]

- furcatus* KIEFFER, 1929: *Schriften der Physikalisch-Ökonomischen Gesellschaft zu Königsberg* **66**: 309 (*Psectrocladius*). Type-locality: [Russia, Kaliningrad Region] “Zehlau”.
- fusiformis* KIEFFER, 1929: *Schriften der Physikalisch-Ökonomischen Gesellschaft zu Königsberg* **66**: 307 (*Psectrocladius*). Type-locality: [Russia, Kaliningrad Region] “Zehlau Hochmoor” [= Zehlau high moor].
- heptamerus* KIEFFER, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 59 (*Psectrocladius*). Type-locality: [Poland] “Silésie: tourbières des Hauts-Plateaux” [= Silesia: moors of the highlands] and [Introduction, p. 11] “sur un haut plateau tourbeux, nommé Seefelder” [= on a highland moor, named Seefelder].
- hirtimanus* KIEFFER, 1918: *Entomologische Mitteilungen* **7**: 100 (*Psectrocladius*). Type-locality: [Poland] “Lazaretschiffzug Danzig, Frisches Haff” [= Hospital ship train, Danzig (now Gdańsk), Frisches Haff].
- insularis* STORÅ, 1945: *Commentationes Biologicae* **8**(10): 26 (*Psectrocladius*; as var. of *sordidellus* Zetterstedt, 1838). Type-localities: {Azoren} [= Azores] “Mig.: Sete Cidades, Lagoa Grande, am Ufer . . . im See . . . im Walde” [= San Miguel: Sete Cidades, Lagoa Grande, on the shore . . . in the lake . . . in the wood]; “Terc.: Bagacina, Moor” [= Terceira: Bagacina, bog]; “Fonduros”; “Jorge: Lagoa do Calheta, Wasserlachen” [Wasserlachen = puddles]; “Fay.: Caldeira, am Kraterboden . . . in der Kraterlachen” [= Faial: Caldeira, on the crater bottom . . . in the crater pool]; “Flor.: Santa Cruz” [Flor. = Flores]; “Corvo: auf der Hochebene mit kleinen Rinnsalen” [= Corvo: on the plateau with small rivulets]; “Caldeiras”.
- islandicus* KIEFFER, 1913: *Bulletin de la Société d’Histoire Naturelle de Metz* **28**: 58 (*Psectrocladius*). Type-locality: [Introduction] “Islande” [= Iceland].
- lapponicus* GOETGHEBUER, 1940: *Bulletin et Annales de la Société Entomologique de Belgique* **80**(1): 63 (*Psectrocladius*). Type-locality: [Introduction, p. 55] “aux environs d’Abisko, en Laponie Suédoise” [= in the vicinity of Abisko, in

Swedish Lapland]; [p. 64] “près d'un lac, à 1000 m d'altitude” [= near a lake, at an altitude of 1000 metres].

longicercus KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 58 (*Psectrocladius*). Type-locality: [Austria] “Basse Autriche” [= Lower Austria].

luteolus GOETGHEBUER, 1921: *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 102 (*Psectrocladius*). Type-locality: {Belgique} [p. 29] “à Destelbergen”; [p. 190] “Les Flandres”, [Belgique = Belgium]. [Note]

marinus KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 61 (*Psectrocladius*; as var. of *versicolor* Kieffer, 1918). Type-locality: [Germany] “Holstein, voltigeant au bord de la mer Baltique” [= Holstein, flying on the shore of the Baltic Sea].

murgabicus SINYAGINA, 1958: *Trudy Murgabskoi Gidrobiologicheskoi Stantsii* **4**: 229 (*Psectrocladius*). Type-localities: {Turkmenistan} **v zalive № 2 (verkhov'e) Tashkeprinskogo vodokhranilishcha** [= in bay № 2 (upper reaches) of Tashkeprinskoe Reservoir]; **v priplotinnoi chasti** [= in the part of the same reservoir near the dam]; **V bentose ozer Kelifskogo Uzboya: oz. Kargaly ** [= In the benthos of Kelifskii Uzboi Lakes: Lake Kargaly]. [Note]

najas KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 184 (*Psectrocladius*). Type-locality: [Introduction] “Allemagne” [= Germany] || ► Type-locality: [Germany] “über der Hennetalsperre” [= above the Henne Dam] in Thienemann, 1911: *Landwirtschaftliche Jahrbücher* **41**: 637 ◀ ||.

nivalis KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 57 (*Psectrocladius*). Type-locality: [Germany, Schwarzwald] “Todtmoos”.

pallidipes GOETGHEBUER, 1942: *Bulletin du Musée Royal d'Histoire Naturelle de Belgique* **18**(46): 12 (*Psectrocladius*). Type-locality: “Belgique : La Panne” [Belgique = Belgium].

paludicola KIEFFER, 1925: *Beiträge zur Kunde Estlands* **10**: 160 (*Psectrocladius*). Type-locality: [Russia, near Kaliningrad] “Ostproußen: Zehlau-Hochmoor, am Rande

der Inselblänke” [= East Prussia: Zehlau high moor, on the edge of Inselblänke].

[**Note**]

pilimanus GOETGHEBUER, 1934: *Bulletin et Annales de la Société Entomologique de Belgique* **74**(8): 294 (*Psectrocladius*). Type-locality: “dans les dunes de La Panne (Belgique)” [= in the dunes of La Panne (Belgium)].

polychaetus KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 121 (*Psectrocladius*). Type-locality: [Turkey] “Asia-Mineure: Angora” [= Asia Minor: Ankara].

septentrionalis CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 114 (*Psectrocladius*). Type-locality: [Russia, Northern European Territory] **v severnykh ozerakh Evropeiskoi chasti SSSR** [= in northern lakes of the European part of the SSSR].

silesiacus KIEFFER, 1921: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **29**: 101 (*Psectrocladius*). Type-locality: [Poland] “Silésie” [= Silesia].

skwarrai KIEFFER, 1927: *Sitzungsberichte der Naturforscher-Gesellschaft bei der Universität Tartu* **33**: 66 (*Psectrocladius*; as “*Skwarrai*”). Type-locality: {Estlands} “Päskülla-Moor bei Nömme — Zwischenmoor, Randzone” [= Päskülla-Moor near Nömme — transitional moor, marginal zone] [Estlands = Estonia]

sphagnicola KIEFFER, 1925: *Beiträge zur Kunde Estlands* **10**: 160 (*Psectrocladius*). Type-locality: “Estland: Alatu-Moor auf Dagö” [= Estonia: Alatu-Moor on Dagö].

[**Note**]

brachytoma KIEFFER, 1927: *Sitzungsberichte der Naturforscher-Gesellschaft bei der Universität Tartu* **33**: 66 (*Psectrocladius*; as var. of *sphagnicola* Kieffer, 1925). Type-locality: “Estland : Päskülla-Moor bei Nömme . . . Zwischenmoor” [= Estonia : Päskülla-Moor near Nömme — transitional moor]; “Päskülla-Moor bei Nömme, Randzone, von *Eriophorum*” [= Päskülla-Moor near Nömme, marginal zone, on *Eriophorum*]. [**Note**]

sphagnorum KIEFFER, 1927: *Sitzungsberichte der Naturforscher-Gesellschaft bei der*

- Universität Tartu* **33**: 66 (*Psectrocladius*). Type-locality: “Estonia . . . Pääsküllamoor bei Nõmme, Zwischenmoor, Randzone” [= Estonia : Pääsküllamoor near Nõmme transitional moor, marginal zone].
- spinulosus* KIEFFER, 1929: *Schriften der Physikalisch-Ökonomischen Gesellschaft zu Königsberg* **66**: 306 (*Psectrocladius*). Type-locality: [Russia, Kaliningrad Region] “Ostpreußen, Schwentlunder Hochmoor bei Cranz” [= East Prussia, Schwentlunder high moor near Cranz (now Zelenogradsk)].
- tridentatus* KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 17 (*Psectrocladius*). Type-localities: [Russia] {Nouvelle-Zemble} “Mashigin Rivage au sud de l’île Blaafjell, Mashigin Fjord” [= Mashigin shore south of Blaafjell Island, Mashigin Fjord]; “Côte nord-ouest de la Baie Arkhangel” [= north-west coast of Arkhangel Bay].
- tunisiae* KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 75 (*Psectrocladius*; as “*Tunisiae*”). Type-locality [Tunisia] “Tunis”.
- turficola* KIEFFER, 1929: *Schriften der Physikalisch-Ökonomischen Gesellschaft zu Königsberg* **66**: 308 (*Psectrocladius*). Type-locality: [Russia, Kaliningrad Region] “Zehlau-Hochmoor, Inselblänkwäldchen” [error, Inselblänkwäldchen = Inselblänkenwäldchen] [= Zehlau high moor, Inselblänken small woodland].
- unifilis* KIEFFER, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 60 (*Psectrocladius*). Type-locality: [Czech Republic] “Bohême” [= Bohemia].
- versicolor* KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 120 (*Psectrocladius*). Type-locality: [Turkey] “Asia-Mineure: Dinek” [= Asia Minor: Dinek].
- vicinus* KIEFFER, 1921: *Archiv für Hydrobiologie Supplement* **2**(4): 798 (*Psectrocladius*). Type-locality: [Germany, Westphalia] “Sauerland: Glörsperre” [= Sauerland: Glör Dam].
- villosicornis* KIEFFER, 1921: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **29**: 100 (*Psectrocladius*). Type-locality: [Poland] “Silésie” [= Silesia].
- zavreli* LIPINA, 1949: *Trudy Zoologicheskogo Instituta, Leningrad* **7**: 199 (*Psectrocladius*).

Type-localities: [Russia, West Siberia] ****bliz ust'ya r. Korby**** [= near the mouth of the River Korby]; ****V r. Bii**** [= in the River Bii].

zelinskii LIPINA, 1939: *Trudy Laboratorii Sapropelevykh Otlozhenii Akademii Nauk SSSR* **1**: 93 (*Psectrocladius*). Type-locality: [Russia, Central European Territory] ****v oz. Belom**** [= in Beloye Lake].

Genus **PSEUDORTHOCLADIUS** GOETGHEBUER

PSEUDORTHOCLADIUS GOETGHEBUER in GOETGHEBUER & LENZ, 1943: *Die Fliegen der Palaearktischen Region* **13g**: 73 (as subgenus of *Orthocladius* Wulp, 1874). Type-species: *Psectrocladius curtistylus* Goetghebuer, 1921, by original designation. The names *Pseudorthocladius* Goetghebuer, 1943, and *Psectrocladius curtistylus* Goetghebuer, 1921, are respectively placed on the Official List of Generic Names in Zoology and the Official List of Specific Names in Zoology by Opinion 2179 of the International Commission on Zoological Nomenclature (2007: *Bulletin of Zoological Nomenclature* **64**(3): 198).

PSEUDORTHOCLADIUS GOETGHEBUER, 1932: *Faune de France* **23**: 93 (as subgenus of *Orthocladius* Wulp, 1874). Type-species: Not given. Name not made available - not accompanied by fixation of a type-species contrary to Article 13.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

PSEUDOKIEFFERIELLA LAURENCE, 1951: *Entomologist's Monthly Magazine* **86**: 165 (as subgenus of *Hydrobaenus* Fries, 1830). Type-species: *Psectrocladius curtistylus* Goetghebuer, 1921, by original designation. **Preoccupied**. Junior homonym of *Pseudokiefferiella* Zavřel, 1941 – the latter is a valid genus in the Subfamily Diamesinae).

LORDELLA SÆTHER & SUBLETTE, 1983: see below as subgenus.

PSEUDORTHOCLADIUS GOETGHEBUER, 1943: see below as subgenus.

Subgenus **LORDELLA** SÆTHER & SUBLETTE

LORDELLA SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**:

95. Type-species: *Pseudorthocladus (Lordella) comans* Sæther & Sublette, 1983 [= *Pseudorthocladus (Lordella) wingoi* Sæther & Sublette, 1983], by original designation.

wingoi SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 97 (*Pseudorthocladus (Lordella)*). Type-locality: “U.S.A. . . . Lake Norman. Macon Co., North Carolina”. — Distr.: **NE**: Canada (Nova Scotia), U.S.A. (Ohio, North Carolina, South Carolina).

comans SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 95 (*Pseudorthocladus (Lordella)*). Type-locality: “U.S.A. . . . Laurel Fork Creek, 5 miles north of Jocassee Dam, Oconee Co., South Carolina”.

Subgenus **PSEUDORTHOCCLADIUS** GOETGHEBUER

akagitertius (KIKUCHI & SASA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 115 (*Hydrobaenus*). Type-locality: {Japan} [p. 112] “at the side of a fountain stream on the slope of Mount Akagi (Gunma)”. — Distr.: **PA**: Japan.

albiventris (GOETGHEBUER, 1938): *Bulletin et Annales de la Société Entomologique de Belgique* **78**(11): 453 (*Orthocladus (Pseudorthocladus)*). Type-locality: “dans le Tyrol autrichien” [= in the Austrian Tyrol]. — Distr.: **PA**: Austria, Slovakia.

amamikonaseus (SASA & SUZUKI, 1993): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1993**: 115 (*Psectrocladius (Monopsectrocladius)*). Type-locality: [Abstract, p. 110] “Amami-Oshima Island, southern Japan”; [p. 115] “at (P), Konase, Setouchi-cho”. — Distr.: **OR**: Japan (Ryukyu Archipelago).

amplicaudus SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 56 (*Pseudorthocladus (Pseudorthocladus)*). Type-locality: “U.S.A. . . . Upper Three Runs Creek, Savannah River Plant, Aiken Co., S.C.” [S.C. = South Carolina]. — Distr.: **NE**: U.S.A. (South Carolina).

barbatus MAKARCHENKO & MAKARCHENKO, 2006: *Russian Entomological Journal*

15(1): 75 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: {Russian Far East} “Matrosskaya River in environs of Severo-Kurilsk Village, Paramushir Island (Kurile Islands)”. — Distr.: **PA**: Russia (Far East).

bernadetti LEHMANN, 1979: *Spixiana Supplement* **3**: 44 (*Pseudorthocladius*). Type-locality: [Democratic Republic of the Congo] “Kalengo, Kivu-Gebiet, Zaire” [Gebiet = region]. — Distr.: **AF**: D.R.Congo. [**Note**]

berthelemyi MOUBAYED, 1990: *Bulletin de la Société d'Histoire Naturelle de Toulouse et de Midi-Pyrénées* **125**: 87 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: [France] “rivière le Lys, affluent de la Pique, Pyrénées centrales, rhithral rapide et froid, alt. 950 m” [= the Lys River, tributary of the Pique, central Pyrenees, fast and cold rhithral, altitude 950 metres]. — Distr.: **PA**: Austria, Bulgaria, Corsica, France, Germany, Morocco, Portugal, Slovakia, Spain, Turkey. [**Note**]

barthelemyi: incorrect subsequent spelling.

clavatusus SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 58 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: “U.S.A. . . . seep-start of 1st order stream, Issaqueena Forest, Clemson Univ., Pickens Co., South Carolina”. — Distr.: **NE**: U.S.A. (Florida, Georgia, South Carolina).

cristagus STUR & SÆTHER, 2004: *Aquatic Insects* **26(2)**: 80 (*Pseudorthocladius*). Type-locality: “Luxemburg, Oesling, east Holzthum, Blesquelle, . . . at 505 m elevation” [Luxemburg = Luxembourg]. — Distr.: **PA**: Luxembourg.

cristatus MAKARCHENKO & MAKARCHENKO, 2012: *Evraziatskii Entomologicheskii Zhurnal* **11(1)**: 76 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: **Rossiya: Khabarovskii krai, Komsomol'skii r-n, bezymyannyi ruchi bass. r. Amur** [= Russia: Khabarovsk Krai, Komsomol'sk District, anonymous stream in the basin of the River Amur]. — Distr.: **PA**: Russia (Far East).

curticornus SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 74 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: “U.S.A. . . . seep-small stream Rt. 441, 12.5 miles southeast of Gatlinburg, Tennessee”. — Distr.: **NE**:

U.S.A. (South Carolina, Tennessee).

curtistylus (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 101 (*Psectrocladius*) Type-locality: {Belgique} [p. 28] “à Heusden”; [p. 190] “Les Flandres”, [Belgique = Belgium]. — Distr.: **NE**: Canada (Nova Scotia, Ontario), U.S.A. (Ohio); **PA**: Austria, Azores, Belgium, Canary Islands, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Greece, Hungary, Ireland, Italy, Kaliningrad, Lebanon, Luxembourg, Madeira, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (NET, Far East), Slovakia, Spain, Sweden, Switzerland, Turkey; **OR**: China (Fujian).

curtistylatus: incorrect subsequent spelling.

destitutus SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 54 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: “U.S.A. . . . Edisto River, Orangeburg Co., South Carolina”. — Distr.: **NE**: Canada (New Brunswick, Nova Scotia, Ontario), U.S.A. (Florida, Ohio, South Carolina).

dumicaudus SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 126 (*Pseudorthocladius*). Type-locality: [Canada] “at hut, Marion Lake, University of British Columbia Forestry Farm, Haney, B.C.” [B.C. = British Columbia]. — Distr.: **NE**: Canada (British Columbia), U.S.A. (California, South Carolina).

filiformis (KIEFFER in KIEFFER & THIENEMANN, 1908): *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 10 (*Psectrocladius*). Type-locality: Not given || ► Type-locality: [France] “Lothringen, Bitsch” [= Lorraine, Bitche] in Kieffer in Kieffer & Thienemann, 1908: *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 33 ◀ ||. Senior primary homonym of *Psectrocladius filiformis* Kieffer, 1908 (below). — Distr.: **PA**: Austria, Balearic Islands, Denmark, Finland, France, Germany, Great Britain, Ireland, Luxembourg, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden.

filiformis (KIEFFER in KIEFFER & THIENEMANN, 1908): *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 33 (*Psectrocladius*). Type-locality:

[France] “Lothringen, Bitsch” [= Lorraine, Bitche]. **Preoccupied**. Junior primary homonym of *Psectrocladius filiformis* Kieffer, 1908 (above).

? *turfaceus* (KIEFFER, 1924): *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 60 (*Psectrocladius*). Type-locality: [Poland] “Silésie : tourbières des Hauts-Plateaux” [= Silesia : Highland moor] and [Introduction, p. 11] “sur un haut plateau tourbeux, nommé Seefelder” [= on a highland moor, named Seefelder].

Questionable synonym.

fujigaprimus (SASA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 35 (*Psectrocladius*). Type-locality: {Japan} [p. 35] “on the shore of Lake Fujigaike (Toyama)”. — Distr.: **PA**: Japan.

fujioctavus SASA, 1985: *Research Report from the National Institute for Environmental Studies* **83**: 127 (*Pseudorthocladius*). Type-locality: {Japan, Mount Fuji area} “on the shore of Lake Yamanaka”. — Distr.: **PA**: Japan.

fujiquintus (SASA, 1985): *Research Report from the National Institute for Environmental Studies* **83**: 125 (*Orthosmittia*). Type-locality: {Japan, Mount Fuji area} “on the shore of Lake Yamanaka”. — Distr.: **PA**: Japan, Russia (Far East).

asamasextus (SASA & HIRABAYASHI, 1991): *Japanese Journal of Sanitary Zoology* **42**(2): 125 (*Toyamayusurika*). Type-locality: [Japan] [p. 117] “at Asama-Onsen, in the suburbs of Matsumoto City, Nagano Prefecture”; [p. 125] “on a street of Asama-Onsen”.

tusimuabea (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 102 (*Toyamayusurika*). Type-locality: [Introduction, p. 75] “Tsushima Island . . . western Japan”; [p. 103] “Kubokawa”.

furudodecimus (SASA & ARAKAWA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 99 (*Paratrissocladius*). Type-locality: [Japan] [Introduction, p. 88] “Furudo . . . a man-made lake constructed in a hilly area of Ikeda, southern part of Toyama-shi”. — Distr.: **PA**: Japan.

ikilemeus (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(3): 159 (*Limnophyes*). Type-locality: [Title, p. 143] “Western Japan. . . Iki Island”; [p. 159] “Touda Dam”.

— Distr.: **PA**: Japan.

insularis MAKARCHENKO & MAKARCHENKO, 2012: *Evrziatskii Entomologicheskii Zhurnal* **11**(1): 78 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: **Rossiya: ostrov Sakhalin, zal. Mordvinova, oz. Svobodinskoe** [= Russia: island of Sakhalin, Mordvinova Bay, Lake Svobodinsk]. — Distr.: **PA**: Russia (Far East).

isigafegeus (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(1): 8 (*Limnophyes*). Type-locality: {Japan} [p. 4] “Ishigaki Island”; [p. 8] “at the side of Nakura River”. — Distr.: **OR**: Japan (Ryukyu Archipelago).

jintusexdecima (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center 1996 (December)*: 67 (*Eukiefferiella*). Type-locality: [Japan] [p. 61, Introduction] “in Toyama Prefecture along the main stream of Jinzu River and its tributaries”; [p. 67] “at St. 8, Junzu-ohashi”. — Distr.: **PA**: Japan.

jintutridecima (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center 1996 (December)*: 64 (*Eukiefferiella*). Type-locality: [Japan] [p. 61, Introduction] “in Toyama Prefecture along the main stream of Jinzu River and its tributaries”; [p. 64] “at Station 7, Arisawa Bridge”. — Distr.: **PA**: Japan.

kurobesugoidus (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center 1992*: 53 (*Psectrocladius*). Type-locality: [Japan] [p. 41] “Kurobe River Basin”, [p. 53] “Nekomata”. — Distr.: **PA**: Japan.

yakuresea (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(2): 75 (*Eukiefferiella*). Type-locality: {Yakushima Island, Southwestern Japan} “Yakusugi Land”.

labayi MAKARCHENKO & MAKARCHENKO, 2012: *Evrziatskii Entomologicheskii Zhurnal* **11**(1): 78 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: **Rossiya: o-v Sakhalin, plato Spamberga, oz. Peschanoe** [= Russia: island of Sakhalin, Spamberga Plateau, Lake Peschanoe]. — Distr.: **PA**: Russia (Far

East).

- lunatus** SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 63 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: “U.S.A. . . . south branch, Au Sable River, Crawford Co., Mich.” [Mich. = Michigan]. — Distr.: **NE**: U.S.A. (Michigan).
- macrostomus** SOPONIS, 1981: *Florida Entomologist* **63**(4): 486 (*Pseudorthocladius*). Type-locality: [U.S.A.] “Florida, Liberty County, Apalachicola River, at Highway 20, Bristol”. — Distr.: **NE**: U.S.A. (Florida). [**Note**]
- macrovirgatus** SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 87 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: “U.S.A. . . . seep, Isaqueena Forest, Clemson Univ., Pickens Co., South Carolina” [Isaqueena = Issaqueena]. — Distr.: **NE**: U.S.A. (Georgia, North Carolina, South Carolina, Tennessee); **PA**: France, Great Britain, Ireland, Netherlands, Norway.
- cranstoni* SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 92 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: “peat pool, 600’/180 m. o.d., Loch Nakirka, Kerry, Eire” [Eire = Ireland].
- matussecundus** SASA & KAWAI, 1987: *Bulletin of the Toyama Science Museum* **10**: 52 (*Pseudorthocladius*). Type-locality: {Japan, Stream Itachigawa, Toyama} [p. 26] “Stream Matsukawa (Stations A to J)”; [p. 52] “at D” [= Station D]. — Distr.: **PA**: Japan.
- mongolyzeus** SASA & SUZUKI, 1997: *Japanese Journal of Tropical Medicine and Hygiene* **25**(4): 183 (*Pseudorthocladius*). Type-locality: {Mongolia} “River Orkhon”. — Distr.: **PA**: Mongolia.
- mongolzebea** (SASA & SUZUKI, 1997): *Japanese Journal of Tropical Medicine and Hygiene* **25**(4): 185 (*Pseudosmittia*). Type-locality: {Mongolia} “Karakorum”. — Distr.: **PA**: Mongolia.
- morsei** SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 85 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: “U.S.A. . . . Mill Creek, Savannah River Plant, Aiken Co., South Carolina”. — Distr.: **NE**:

Canada (New Brunswick, Québec), U.S.A. (Georgia, North Carolina, Ohio, South Carolina).

multisetus MAKARCHENKO & MAKARCHENKO, 2012: *Evrasiatskii Entomologicheskii Zhurnal* **11**(1): 80 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: **Rossiya: Khabarovskii kr. Komsomol'skii r-n, bezymyanniy ruchei bass. r. Amur** [=Russia: Khabarovsk Krai Komsomol'sk District, anonymous stream in the basin of the River Amur]. — Distr.: **PA**: Russia (Far East).

oyabecrassus SASA, KAWAI & UENO, 1988: *Research Report Toyama Prefectural Environmental Pollution Research Center* **1988**: 55 (*Pseudorthocladius*). Type-locality: [Summary, p. 27] “Oyabe River Basin, western Toyama Prefecture . . . Japan”; [p. 55] “at C-4, Futomibashi”. — Distr.: **PA**: Japan.

togakileus (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 150 (*Parakiefferiella*). Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”; [p. 150] “at Momose”.

togakileus (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Parakiefferiella*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

paravirgatus SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 84 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: “U.S.A. . . . seep-start of 1st order stream, Issaqueena Forest, Clemson Univ., Pickens Co., South Carolina”. — Distr.: **NE**: U.S.A. (South Carolina).

pilosipennis BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 139 (*Pseudorthocladius*). Type-locality: “Schweden: . . . Jämtland, . . . am Moorkolk Ö. Vontjärn” [= Sweden: . . . Jämtland, . . . at a bog pond east of Vontjärn]. — Distr.: **NE**: Canada (Ontario); **PA**: Denmark,

Finland, Germany, Great Britain, Japan, Lebanon, Luxembourg, Norway, Russia (NET), Sweden.

togamirus (SASA, WATANABE & ARAWAKA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center 1992*: 232 (*Metriocnemus*). Type-locality: [Japan] [Summary, p. 231] “at the side of a highland swamp of Yachidani, Togamura”.

toyamaveweus (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center 1996 (March)*: 42 (*Metriocnemus*). Type-locality: [Introduction, p. 16] “Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill”; [p. 17] “at the side of the ground pool "A." ” [= Lake A, p. 16].

prolixistylus BHATTACHARYAY & CHAUDHURI, 1990: *Revista Brasileira de Entomologia* **34**(2): 332 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: “India, West Bengal, Darjeeling”. — Distr.: **OR**: India (West Bengal).

rectangilobus CASPERS & SIEBERT, 1980: *Mitteilungen der Schweizerischen Entomologischen Gesellschaft* **53**(2/3): 181 (*Pseudorthocladius*). Type-locality: {Germany} “am Herchenbach, 1km südlich von Morscheid-Riedenburg (Hünsruck, MTB 6208)” [= on the Herchenbach, 1 kilometre south of Morscheid-Riedenburg (Hünsruck, MTB 6208)]. — Distr.: **NE**: U.S.A. (Alabama, North Carolina, Ohio, South Carolina, Tennessee); **PA**: Germany, Ireland, Norway.

rectilobus SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 58 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: “U.S.A. . . . West Fork Chattooga River, Rabun Co., Georgia”. — Distr.: **NE**: Canada (New Brunswick, Nova Scotia, Ontario), U.S.A. (Georgia, South Carolina, Tennessee); **PA**: Russia (Far East).

virgatus SÆTHER & SUBLETTE. 1983: *Entomologica Scandinavica Supplement* **20**: 81 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: “U.S.A. . . . Savannah River, Highway 29 Bridge, South Carolina”.

- retusus** BHATTACHARYAY & CHAUDHURI, 1990: *Revista Brasileira de Entomologia* **34**(2): 333 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: {India} “Sikkim, Gangtok”. — Distr.: **OR**: India (Sikkim).
- similis** FREEMAN, 1953: *Proceedings of the Royal Entomological Society* (B) **22**(7/8): 134 (*Pseudorthocladius*). Type-locality: [South Africa] “Berg River”. — Distr.: **AF**: D.R.Congo, Senegal, South Africa.
- tairasecundus** SASA & OKAZAWA, 1994: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 74 (*Pseudorthocladius*). Type-locality: [Japan] “at Taira (Toyama)”. — Distr.: **PA**: Japan.
- togakuroidus** (SASA, WATANABE & ARAKAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 231 (*Trissocladius*). Type-locality: [Japan] [Summary, p. 231] “at the side of a highland swamp of Yachidani, Togamura”. — Distr.: **PA**: Japan.
- tricanthus** SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 67 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: “U.S.A. . . . seep-small stream, Issaqueena Forest, Clemson Univ., Pickens Co., S.C.” [S.C. = South Carolina]. — Distr.: **NE**: Canada (New Brunswick), U.S.A. (Florida, North Carolina, South Carolina).
- tsubakuroensis** (SASA & OKAZAWA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 79 (*Psectrocladius*; [p. 79] as “*tubakuroensis*”, [p. 87] as “*tsubakuroensis*”). Type-locality: [Japan] “at an altitude of 2,650 meters on the slope of Mount Tsubakuro, Japan Alps”. — Distr.: **PA**: Japan. [**Note**]
- tubakuroensis*: incorrect original spelling.
- tusimoquereus** (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 93 (*Psectrocladius* (*Monopsectrocladius*)). Type-locality: [Introduction, p. 75] “Tsushima Island . . . western Japan]. — Distr.: **PA**: Japan.
- uniserratus** SÆTHER & SUBLETTE, 1983: *Entomologica Scandinavica Supplement* **20**: 72 (*Pseudorthocladius* (*Pseudorthocladius*)). Type-locality: “U.S.A. . . . at seep-

small stream, Rt. 441 12.5 miles southeast of Gatlinburg, Tennessee”. — Distr.: NE: Canada (British Columbia, Ontario), U.S.A. (California, Florida, New Mexico, Ohio, South Carolina, Tennessee).

yakuveweus (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(2): 78 (*Psectrocladius* (*Monopsectrocladius*)). Type-locality: {Yakushima Island, Southwestern Japan} “Takenokawa”. — Distr.: PA: Japan.

yakuwexeus (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(2): 78 (*Psectrocladius* (*Monopsectrocladius*)). Type-locality: {Yakushima Island, Southwestern Japan} “Issogawa River”. — Distr.: PA: Japan.

yakuxeyeus (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(2): 79 (*Psectrocladius* (*Monopsectrocladius*)). Type-localities: {Yakushima Island, Southwestern Japan} “Yakusugi Land”; “Anbou River”; “Shirotani River”. — Distr.: PA: Japan.

Nomina dubia in PSEUDORTHOCLADIUS

imperfectus (GOETGHEBUER, 1944): *Biologisch Jaarboek* **11**: 43 (*Orthocladius* (*Pseudorthocladius*)). Type-locality: “Belgique : bois de Schelderode-lez-Gand” [= Belgium : forest of Schelderode-lez-Gand].

Genus PSEUDOSMITTIA EDWARDS

PSEUDOSMITTIA EDWARDS, 1932: *Entomologist* **65**: 141 (as subgenus of *Smittia* Holmgren, 1869). Type-species: *Spaniotoma* (*Smittia*) *angusta* Edwards, 1929, by original designation. [Note]

PSEUDOSMITTIA GOETGHEBUER, 1932: *Faune de France* **23**: 126 (as subgenus of *Smittia* Holmgren, 1869). Type-species: Not given. Name not made available - not accompanied by fixation of a type-species contrary to Article 13.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

ORTHOSMITTIA GOETGHEBUER in GOETGHEBUER & LENZ, 1943: *Die Fliegen der Palaearktischen Region* **13g**: 110 (as subgenus of *Smittia* Holmgren, 1869). Type-

species: *Orthocladus (Dactylocladius) brevifurcatus* Edwards, 1926, by original designation. Synonymized with *Pseudosmittia* Edwards, 1932, by Sæther (2006: *Zootaxa* **1198**: 24).

ANCYLOCLADIUS SUBLETTE & WIRTH, 1972: *Florida Entomologist* **55**(1): 5. Type-species: *Ancylocladius relicinus* Sublette & Wirth, 1972, by original designation. Synonymized with *Pseudosmittia* Edwards, 1932, by Andersen, Sæther & Mendes (2010: *Zootaxa* **2472**: 23).

NIKISMITTIA SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Science Research Center* **1996 (March)**: 106 (as subgenus of *Pseudosmittia* Edwards, 1932). Type-species: Not given. Name not made available - not accompanied by fixation of a type-species contrary to Article 13.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. Synonymized with *Pseudosmittia* Edwards, 1932, by Sæther (2006: *Zootaxa* **1198**: 24). [Note]

aculeathrix FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 259 (*Pseudosmittia*). Type-locality: “USA: New York, South Dayton”. — Distr.: **NE**: U.S.A. (New York).

acutilobata FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 291 (*Pseudosmittia*). Type-locality: “CANADA: Manitoba, Delta Marsh”. — Distr.: **NE**: Canada (Manitoba, Ontario).

adunca ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 26 (*Pseudosmittia*). Type-locality: “BRAZIL: Santa Catarina State, Jaraguá do Sul”. — Distr.: **NT**: Brazil.

albipennis (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 86 (*Dactylocladius*): Type-localities: {Belgique} [p. 22] “Sur les troncs d'arbres bordant les fossés, dans les bois. Eecloo, Bellem ” [= On the trunks of trees bordering ditches, in the woods. Eecloo, Bellem]; [p. 189] “Les Flandres” [Belgique = Belgium]. — Distr.: **PA**: Belgium, Denmark, Finland, France, Germany, Great Britain, Ireland, Lebanon, Luxembourg, Netherlands, Switzerland. [Note]

curticosta (EDWARDS, 1929): *Transactions of the Entomological Society of London*

77: 364 (*Spaniotoma* (*Smittia*)). Type-localities: [Great Britain] “Llyn Gwynant, Carnarvon”; “Corriegills, Arran”.

amorimi ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 28 (*Pseudosmittia*).

Type-locality: “BRAZIL: Paraná State, Parque Estadual do Pau Oco, Morretes, 25°34'27.9"S, 48°53'46.7"W”. — Distr.: **NT**: Brazil.

angusta (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 364 (*Spaniotoma* (*Smittia*)). Type-localities: [Great Britain] “Llyn Gwynant, Carnarvon”; “Harrow Weald, Middlesex”; “Skipwith, Yorks.” [Yorks. = Yorkshire]; “Knebworth, Herts.” [Herts. = Hertfordshire]. — Distr.: **NE**: Canada (Ontario), U.S.A. (New Hampshire); **PA**: Finland, France, Great Britain, Ireland, Italy, Netherlands, Romania, Russia (CET, NET, Far East), Sweden, Switzerland.

baueri STRENZKE, 1960: *Deutsche Entomologische Zeitschrift* (Neue Folge) **7**(4/5): 420 (*Pseudosmittia*). Type-locality: [Germany] “vom Ufer des Zwischenhafens, Wilhelmshaven” [= from the shores of the Intermediate Port, Wilhelmshaven]. — Distr.: **PA**: France, Germany, Great Britain, Netherlands, Spain.

bicinctura (TOKUNAGA, 1964): *Insects of Micronesia* **12**(5): 533 (*Smittia*). Type-locality: [Belau] “SW. Koror I., Palau, 25 m”. — Distr.: **AU**: Belau.

bifurcata (TOKUNAGA, 1936): *Philippine Journal of Science* **60**(3): 310 (*Spaniotoma* (*Smittia*)). Type-locality: “Japan . . . Masaki, Mie Prefecture”. — Distr.: **PA**: Japan; **OC**: Bonin Islands, Kiribati.

ogasatridecima SASA & SUZUKI, 1997: *Medical Entomology and Zoology* **48**(4): 335 (*Pseudosmittia*). Type-locality: {Japan, Ogasawara Islands} “Chibusa Dam, Hahajima”.

brachydicrana (EDWARDS, 1927): *Annals and Magazine of Natural History* (9) **20**: 243 (*Orthocladius*). Type-locality: [French Polynesia] “SOCIETY Is. : Tahiti, Papenoo, . . . on coast-hills, 1000 ft” [Lectotype designation in Andersen, Sæther & Mendes, 2010: *Zootaxa* 2472: 31, “:TAHITI: Papenoo”]. — Distr.: **NT**: Jamaica; **AF**: Chagos Archipelago (Diego Garcia); **AU**: Belau; **OC**:

- Federated States of Micronesia, Kiribati, French Polynesia (Society Islands), Hawaiian Islands (Hawaii Island, Oahu Island), Marshall Islands. [**Note**]
- wirthi* (HARDY, 1960): *Insects of Hawaii* **10**: 145 (*Orthocladus* (*Smittia*)). Type-locality: {Hawaiian Islands} “Kalihi, Oahu”.
- micronesiana* (TOKUNAGA, 1964): *Insects of Micronesia* **12**(5): 526 (*Smittia*). Type-locality: [Federated States of Micronesia] “Wena (Moen) I., Truk”. [**Note**]
- micronesia*: incorrect subsequent spelling.
- relicinus* (SUBLETTE & WIRTH, 1972): *Florida Entomologist* **55**(1): 5 (*Ancylocladius*). Type-locality: “Runaway Bay, Jamaica”.
- brevifurcata** (EDWARDS, 1926): *Proceedings of the Zoological Society of London* **51**: 781 (*Orthocladus* (*Dactylocladius*)). Type-locality: [Great Britain] “Swanage, Dorset” [Lectotype designation in Ferrington & Sæther, 2011: *Zootaxa* **2849**: 248, [Great Britain] “ENGLAND: Dorset, Swanage”]. — Distr.: **PA**: Azores, France, Great Britain, Ireland, Netherlands, Slovenia, Spain.
- cambuciensis** ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 32 (*Pseudosmittia*). Type-locality: “BRAZIL: São Paulo State, Cubatão, Cambuci”. — Distr.: **NT**: Brazil.
- capicola** FREEMAN, 1953: *Proceedings of the Royal Entomological Society (B)* **22**(11/12): 208 (*Pseudosmittia*). Type-locality: [South Africa] “Berg River, French Hoek Forest Reserve”. — Distr.: **AF**: South Africa.
- carioca** ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 34 (*Pseudosmittia*). Type-locality: “BRAZIL: Rio de Janeiro State, Reserva Biológica Tinguá, Nova Iguaçu, 22°34'28"S, 43°26'09"W”. — Distr.: **NT**: Brazil.
- carita** FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 246 (*Pseudosmittia*). Type-locality: “SPAIN: El Rocio”. — Distr.: **PA**: Spain.
- catarinense** ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 36 (*Pseudosmittia*). Type-locality: “BRAZIL: Santa Catarina State, Urubici, Morro da Igreja, 1.822 m a.s.l.”. — Distr.: **NT**: Brazil.

- christmasensis** FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 203 (*Pseudosmittia*).
Type-locality: “KIRIBATI: Kiritinati (Christmas Island), Dolly’s Beach, 10.31° S, 105.33° W”. — Distr.: **OC**: Kiribati.
- conjuncta** (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 365 (*Spaniotoma* (*Smittia*)). Type-locality: [Great Britain] “Epping Forest (Wake Valley Pond)”. — Distr.: **PA**: Belgium, Great Britain, Netherlands.
- brachyptera* (GOETGHEBUER, 1934): *Bulletin et Annales de la Société Entomologique de Belgique* **74**(12): 389 (*Smittia*). Type-locality: [Belgium] “à Chaudfontaine”.
- crisagata** FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 185 (*Pseudosmittia*). Type-locality: “CHINA: Guangdong, Fenghai”. — Distr.: **NE**: U.S.A. (California); **OR**: China (Guangdong).
- cunealata** FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 241 (*Pseudosmittia*). Type-locality: “TANZANIA: Tanga, West Usambara Mountains, Mazumbai”. — Distr.: **AF**: Tanzania.
- danconai** (MARCUIZZI, 1947): *Bollettino della Societa Entomologica Italiana* **77**(1/2): 12 (*Smittia*; as “*D’ Anconai*”). Type-locality: [Italy] “Venezia, Cavallino, fossi che costeggiano la strada che va a Punta Sabbioni, con acqua decisamente salmastra” [= Venice, Cavallino, ditches lining the road that goes to Punta Sabbioni, with very salty water]. — Distr.: **NE**: U.S.A. (South Dakota); **PA**: Finland, France, Germany, Greece, Italy, Japan, Lebanon, Netherlands, Romania, Russia (NET, East Siberia, Far East), Spain, Syria, Turkey, United Arab Emirates; **AF**: South Africa, Zimbabwe.
- hamata* (FREEMAN, 1956): *Bulletin of the British Museum (Natural History) Entomology* **4**(7): 358 (*Smittia*). Type-locality: [South Africa] “TRANSVAAL: Kruger National Park, Skukuza, Sabie River”. Senior secondary homonym of *Pseudosmittia hamata* Strenzke, 1960 (below).
- hamata* STRENZKE, 1960: *Deutsche Entomologische Zeitschrift (Neue Folge)* **7**(4/5): 433 (*Pseudosmittia*). Type-locality: [Germany] “am Rande eines

Entwässerungsgraben in der Umgebung von Bad Rappenau (Baden, Kr. Sinsheim)” [= on the edge of a drainage ditch near Bad Rappenau (Baden, Sinsheim Hospital)]. **Preoccupied.** Junior secondary homonym of *Pseudosmittia hamata* (Freeman, 1956) (above).

neohamata CRANSTON in ASHE & CRANSTON, 1990: *Catalogue of Palaearctic Diptera* **2**: 223 (*Pseudosmittia*; as nom. nov. for *Pseudosmittia hamata* Strenzke, 1960, nec *Smittia hamata* Freeman, 1956 when both in *Pseudosmittia* Edwards, 1932).

jintuvicesima SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (December)**: 72 (*Pseudosmittia* (*Pseudosmittia*)). Type-locality: [Japan] [p. 61, Introduction] “in Toyama Prefecture along the main stream of Jinzu River and its tributaries”; [p. 72] “at St. 4” [= “St. 4 (Niita)” on p. 61].

seiryupequea SASA, SUZUKI & SAKAI, 1999: *Tropical Medicine* **40(3)**: 117 (*Pseudosmittia*). Type-locality: [Abstract, p. 99] “Shimanto River, western Shikoku Island, Japan”; [p. 117] “Ekawasaki”.

digitata SÆTHER, 1981: *Entomologica Scandinavica Supplement* **16**: 25 (*Pseudosmittia*). Type-locality: “lower slopes of mountain behind Castries, St. Lucia”. — Distr.: **NT**: Brazil, St. Lucia; St. Vincent, Surinam; **NE**: Canada (Manitoba, Ontario, Prince Edward Island), U.S.A. (California, Florida, Georgia, Kansas, Michigan, Missouri, New Mexico, South Carolina, South Dakota).

digitrienta FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 272 (*Pseudosmittia*). Type-locality: “THAILAND: Mae Chaem District, Doi Inthanon”. — Distr.: **OR**: Thailand.

dolobrata FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 294 (*Pseudosmittia*). Type-locality: “USA: Florida: Gadson County, Turkey Creek on 65 B near Rocky Comfort Creek”. — Distr.: **NE**: U.S.A. (Florida, South Carolina).

dupla (TOKUNAGA, 1964): *Insects of Micronesia* **12(5)**: 522 (*Smittia*). Type-locality: “Ailinglapalap Islet, Ailinglapalap Atoll, Marshall Is.”. — Distr.: **AU**: Belau;

OC: Marshall Islands. [**Note**]

duplicata CASPERS, 1990: *Entomofauna* **11**(12): 218 (*Pseudosmittia*). Type-locality: “Changshu (Provinz Jilin, China)” [error, Changshu = Changchun]. — Distr.: **PA:** China (Jilin). [**Note**]

forcipata (GOETGHEBUER, 1921): *Mémoires du Musée Royal d’Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 87 (*Camptocladus*). Type-localities: {Belgique} [p. 23] “Pris à Heusden” [= Caught in Heusden]; [p. 189] “Les Flandres”, [Belgique = Belgium]. — Distr.: **NT:** Brazil, Colombia, Costa Rica, Ecuador, Guatemala, Mexico (Campeche), Peru, St. Vincent, Venezuela; **NE:** Canada (British Columbia, Manitoba, New Brunswick, Nova Scotia, Ontario), Mexico (Nuevo León), U.S.A. (Alabama, California, Colorado, Florida, Georgia, Kansas, Kentucky, Louisiana, New Mexico, North Carolina, Ohio, South Carolina, South Dakota, Tennessee, Vermont, Washington, Wisconsin, Wyoming); **PA:** Austria, Belgium, China (Jilin, Ningxia, Sichuan), Denmark, Finland, France, Germany, Great Britain, Japan, Mongolia, Netherlands, Norway, Russia (NET, Far East), Sweden, Switzerland, Turkey; **OR:** Thailand.

triappendiculata (GOETGHEBUER, 1932): *Bulletin et Annales de la Société Entomologique de Belgique* **71**(11): 217 (*Smittia*). Type-locality: “Belgique : Knocke-sur-mer, sur le pré-salé du Zwijn” [= Belgium : Knocke-sur-mer, on the salt-meadow of Zwijn]. [**Note**]

antillaria SÆTHER, 1981: *Entomologica Scandinavica Supplement* **16**: 29 (*Pseudosmittia*). Type-locality: “442 m a.s.l., below waterfall, Majorca, Yambou River, St. Vincent”.

mongolzeaea SASA & SUZUKI, 1997: *Japanese Journal of Tropical Medicine and Hygiene* **25**(4): 185 (*Pseudosmittia*). Type-locality: {Mongolia} “on Mount Bogdrhan, 2,400 m high from sea level” [Bogdrhan = Bogd Khan].

fusata FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 230 (*Pseudosmittia*). Type-locality: “SOUTH AFRICA: Natal, Howick, Karkloof Forest”. — Distr.: **AF:** South Africa.

- fusivenosa** (TOKUNAGA, 1964): *Insects of Micronesia* **12**(5): 534 (*Smittia*). Type-locality: [Federated States of Micronesia] “Tonoas I., Truk Is.”. — Distr.: **AU**: Belau; **OC**: Federated States of Micronesia.
- gibbistyla** ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 41 (*Pseudosmittia*). Type-locality: “BRAZIL: Santa Catarina State, Urubici, Morro da Igreja, cloud forest, 1.822 m a.s.l.”. — Distr.: **NT**: Brazil.
- gracilis** (GOETGHEBUER, 1913): *Annales de Biologie Lacustre* **6**(2/3): 164 (*Camptocladius*). Type-locality: {Belgique} “à Gand” [Belgique = Belgium]. — Distr.: **NE**: Canada (Northwest Territories); **PA**: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Italy, Japan, Moldova, Mongolia, Netherlands, Poland, Romania, Russia (CET, East Siberia), Spain, Turkey.
- guineensis** (KIEFFER, 1918): *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 81 (*Camptocladius*). Type-locality: [Guinea] “Guinée française: Mamon” [error, Mamon = Mamou]. — Distr.: **AF**: Cameroon, D.R.Congo, Ethiopia, Guinea, Tanzania; **OR**: China (Fujian, Guangxi, Guizhou), Indonesia (Sumatra).
- longicosta* (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 185 (*Camptocladius*). Type-locality: “Cameroun : Kribi” [Cameroun = Cameroon].
- longicostalis* (GOETGHEBUER, 1934): *Revue de Zoologie et de Botanique Africaines* **25**: 204 (*Smittia*). Type-locality: [Democratic Republic of the Congo] {Congo Belge} “à Kisantu”.
- tobaunvicesima* KIKUCHI & SASA, 1990: *Japanese Journal of Sanitary Zoology* **41**(4): 325 (*Pseudosmittia*). Type-locality: {Sumatra, Indonesia} “at the side of Lake Toba”. [Note]
- tobaundecima*: incorrect subsequent spelling
- hirtella** (FREEMAN, 1953): *Proceedings of the Royal Entomological Society (B)* **22**(11/12): 208 (*Orthosmittia*). Type-locality: [South Africa] “Zeekoe Vlei”. — Distr.: **AF**: Madagascar, Malawi, South Africa, Zimbabwe.

- holsata** THIENEMANN & STRENZKE, 1940: *Zoologischer Anzeiger* **132**(9/10): 238 (*Pseudosmittia*). Type-locality: [Germany] “in den Moospolstern einer Mauer am Schwentine-Ausfluß des Gr. Plöner See bei Plön” [= in the moss cushion on a wall on the Schwentine outflow from the Grosser Plöner See near Plön]. — Distr.: **NE**: U.S.A. (Georgia, South Carolina); **PA**: Austria, China (Ningxia), France, Germany, Hungary, Italy, Japan, Netherlands, Romania, Russia (Far East), Spain, Sweden, Switzerland, Turkey.
- hachijotertia* SASA, 1994: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 48 (*Pseudosmittia*). Type-locality: {Japan} [p. 43] “on Hachijo, a volcanic island in the Pacific Ocean about 300 kilometers south of Tokyo”; [p. 47] “at "G", Tohmi Waterfall”.
- insulsa** (JOHANNSEN, 1946): *Bernice P. Bishop Museum Bulletin* **189**: 191 (*Smittia* (*Pseudosmittia*)). Type-locality: {Guam} “Agana”. — Distr.: **AU**: Belau; **OC**: Guam, Northern Marianas.
- invirgata** ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 43 (*Pseudosmittia*). Type-locality: “MEXICO: Campeche State, Calakmul Biosphere Reserve, Aguada pequeña, 1 km Northeast of Hormiguero, 18°24'10.9"N, 89°29'13.8"W, 300 m a.s.l.”. — Distr.: **NT**: Mexico (Campeche).
- joaquimvenancioi** (MESSIAS & OLIVEIRA, 2000): *Late 20th Century Research on Chironomidae*: 189 (*Bryophaenocladus*). Type-locality: “Brazil, Estado do Rio de Janeiro, Rio de Janeiro, FIOCRUZ Campus”. — Distr.: **NT**: Brazil, Costa Rica, Mexico (Campeche, Veracruz), Nicaragua, St. Lucia, St. Vincent, Venezuela.
- kauaiensis** (HARDY, 1960): *Insects of Hawaii* **10**: 139 (*Orthocladus* (*Smittia*)). Type-locality: {Hawaiian Islands} “Nawiliwili, Kawai”. — Distr.: **OR**: Hawaiian Islands (Oahu Island).
- kraussi** (TOKUNAGA, 1964): *Insects of Micronesia* **12**(5): 523 (*Smittia*). Type-locality: [Belau] “Koror I., Palau”. — Distr.: **AU**: Belau; **OC**: Federated States of Micronesia.

- lamasi** ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 49 (*Pseudosmittia*).
Type-locality: “BRAZIL: São Paulo State, Estação Ecológica Juréia-Itatins, Peruíbe, 24°31'06"S, 47°12'06"W”. — Distr.: **NT**: Brazil.
- lamellata** ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 51 (*Pseudosmittia*).
Type-locality: “BRAZIL: São Paulo State, Cananéia, restinga (GITA), 25°01'59"S, 44°47'7.9"W, 9 m a.s.l.”. — Distr.: **NT**: Brazil.
- laticauda** FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 259 (*Pseudosmittia*). Type-locality: “USA: New York, Suffolk Co., Montauk Lake”. — Distr.: **NE**: Canada (Prince Edward Island, U.S.A. (New York).
- legonensis** FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 179 (*Pseudosmittia*). Type-locality: “GHANA: Accra, Legon, Botanical Garden”. — Distr.: **AF**: Ghana.
- licina** FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 201 (*Pseudosmittia*). Type-locality: “KIRIBATI: Kiritinati (Christmas Island), Settlement, 10.25 °S 105.41 °E”. — Distr.: **OC**: Kiribati.
- littoralis** (TOKUNAGA, 1936): *Philippine Journal of Science* **60**(3): 303 (*Spaniotoma* (*Smittia*)). Type-locality: “Japan . . . Seto, Wakayama Prefecture”. — Distr.: **PA**: Japan.
- longicornia** FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 261 (*Pseudosmittia*). Type-locality: “CHINA: Ningxia, Mount Helan”. — Distr.: **PA**: China (Ningxia).
- macrobrachia** (EDWARDS, 1928): *Insects of Samoa* **6**: 62 (*Orthocladus*). Type-locality: {Western Samoa} “Savaii: Safune”. — Distr.: **OC**: Western Samoa. [Note]
macrobranchia: incorrect subsequent spelling.
- magdae** ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 53 (*Pseudosmittia*).
Type-locality: “BRAZIL: São Paulo State, Parque Estadual Intervales, gruta Paiva”. — Distr.: **NT**: Brazil.
- malickyi** FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 175 (*Pseudosmittia*). Type-locality: “THAILAND: Mae Chaem District, Doi Inthanon”. — Distr.: **OR**: Thailand.
- mathildae** ALBU, 1968: *Annales Zoologici Fennici* **5**: 4 (*Pseudosmittia*). Type-locality: “in

Caransebeş Banat region, Roumania, on the shore of the River Timiş” [Roumania = Romania]. — Distr.: **NE**: U.S.A. (Alabama, Georgia, South Carolina); **PA**: Austria, China (Gansu), Finland, Germany, Italy, Japan, Romania; Russia (NET, Far East); **OR**: China (Guangdong), Japan (Ryukyu Archipelago).

itachibifurca SASA & KAWAI, 1987: *Bulletin of the Toyama Science Museum* **10**: 54 (*Pseudosmittia*). Type-locality: {Japan, Stream Itachigawa, Toyama} [p. 26] “Stream Itachigawa (Stations No.1~No.10)”; [p. 54] “at No.2” [= Station No. 2].

amamibifurca SASA, 1990: *Japanese Journal of Experimental Medicine* **60**(3): 132 (*Pseudosmittia*). Type-locality: {Nansei Islands, southern Japan} “at the side of a mountain stream Yakkachi, Amami Island”.

hibarabifurca SASA, 1993: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1993**: 80 (*Pseudosmittia*). Type-locality: {Japan} “on the shore of Lake Hibara”.

furudobifurca SASA & ARAKAWA, 1994: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 100 (*Pseudosmittia*). Type-locality: [Japan] [Introduction, p. 88] “Furudo . . . a man-made lake constructed in a hilly area of Ikeda, southern part of Toyama-shi”.

shofukuundecima SASA, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 42 (*Pseudosmittia* (*Nikismittia*)). Type-locality: {Japan} [Abstract, p. 14] “in the Shofuku Garden, . . . about 1 km from the mouth of Kurobe River”.

sasai (MAKARCHENKO & MAKARCHENKO, 2005): *Chteniya Pamyati Vladimira Yakovlevicha Levanidova* **3**: 376 (*Diplosmittia*). Type-locality: {Russian Far East, South part of Primorye Territory} **Khabarovskii kr., Evreiskaya avtonomnaya obl., r. Khingan v 2 km vyshe pos. Obluch'e** [= Khabarovsk Krai, Evreiskaya Autonomous Oblast, River Khingan about 2 km above the settlement of Obluch'e].

- melanostola** (KIEFFER, 1911): *Transactions of the Linnean Society of London (2nd Series, Zoology)* **14**: 362 (*Dactylocladius*). Type-locality: “Seychellen. Mahé: Cascade Estate” [Seychellen = Seychelles] [Lectotype designated in Sæther, 2004: *Annales de Limnologie* **40**(4): 296, “SEYCHELLES : Mahé, Cascade Estate”]. — Distr.: **AF**: Seychelles.
- nana** ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 55 (*Pseudosmittia*). Type-locality: “BRAZIL: Bahia State, Estação Ecológica Pau Brasil, Porto Seguro, 16°23'17.6"S, 39°10'55.6"W”. — Distr.: **NT**: Brazil.
- navama** FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 281 (*Pseudosmittia*). Type-locality: “USA: California, Contra Costa County, Richmond, salt marsh”. — Distr.: **NE**: U.S.A. (California, Oregon).
- nishiharaensis** SASA & HASEGAWA, 1988: *Japanese Journal of Sanitary Zoology* **39**(3): 247 (*Pseudosmittia*). Type-locality: {Ryukyu Islands, southern Japan} [p. 248] “Nishihara, Miyako Island”. — Distr.: **PA**: China (Ningxia), Germany, Italy, Japan, Russia (Far East), Turkey; **OR**: Japan (Ryukyu Archipelago), Thailand.
- linguata** CASPERS & REISS, 1989: *Entomofauna* **10**(8): 128 (*Pseudosmittia*). Type-locality: “Azort-Pass W Oltu, 2200 m über NN (Provinz Erzurum, Osttürkei)” [=Azort Pass west of Oltu, 2200 metres above sea-level (Erzurum Province, eastern Turkey)].
- yakymenea** SASA & SUZUKI, 2000: *Tropical Medicine* **42**(2): 92 (*Pseudosmittia*). Type-locality: {Yakushima Island, Southwestern Japan} “Issogawa”.
- yakyneoa** SASA & SUZUKI, 2000: *Tropical Medicine* **42**(2): 93 (*Pseudosmittia*). Type-locality: {Yakushima Island, Southwestern Japan} “Issogawa”.
- oahuensis** (HARDY, 1960): *Insects of Hawaii* **10**: 141 (*Orthocladius* (*Smittia*)). Type-locality: {Hawaiian Islands} “Mt. Kaala, Oahu, . . . taken at summit in bog, 4,000 ft.”. — Distr.: **OC**: Hawaiian Islands (Oahu).
- obtusa** STRENZKE, 1960: *Deutsche Entomologische Zeitschrift* (Neue Folge) **7**(4/5): 439 (*Pseudosmittia*). Type-locality: [Germany] “Windgfällweiher im Schwarzwald (966 m ü. NN), und zwar vom Seeausfluß, wo ein kleines Moor . . . den See

abschließt" [= Windgfäll pond in the Black Forest (966 metres above sea-level), namely from the outflow, where the pond ends in a small bog]. — Distr.: **PA**: Finland, Germany, Great Britain, Ireland, Netherlands, Norway.

palauensis (TOKUNAGA, 1964): *Insects of Micronesia* **12**(5): 520 (*Smittia*). Type-locality: [Belau] "Angaur I., Palau". — Distr.: **AU**: Belau.

palpina ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 57 (*Pseudosmittia*). Type-locality: "BRAZIL: Bahia State, Estação Ecológica Pau Brasil, Porto Seguro, 16°23'17.6"S, 39°10'55.6"W, . . . 107 m a.s.l.". — Distr.: **NT**: Brazil.

paraconjuncta (HARDY, 1960): *Insects of Hawaii* **10**: 143 (*Orthocladius* (*Smittia*)). Type-locality: {Hawaiian Islands} "Mt. Kaala, Oahu, swept from grass in bog, 4, 000 ft.". — Distr.: **NE**: Canada (Ontario), U.S.A. (Georgia, South Carolina); **OC**: Hawaiian Islands (Oahu).

parifusata FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 230 (*Pseudosmittia*). Type-locality: "SOUTH AFRICA: Natal, Giants Castle Reserve, 1800 m a. s. l.". — Distr.: **AF**: South Africa.

parinavama FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 282 (*Pseudosmittia*). Type-locality: "USA: California, Point Lobos". — Distr.: **NE**: U.S.A. (California).

paulista ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 59 (*Pseudosmittia*). Type-locality: "BRAZIL: São Paulo State, Estação Ecológica Juréia-Itatins, Peruíbe, 24°31'06"S, 47°12'06"W". — Distr.: **NT**: Brazil.

pedata FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 290 (*Pseudosmittia*). Type-locality: "CANADA: New Brunswick, Kouchibougerae National Park". — Distr.: **NE**: Canada (New Brunswick).

pinhoi ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 61 (*Pseudosmittia*). Type-locality: "BRAZIL: Santa Catarina State, Urubici, Morro da Igreja, cloud forest, 1.822 m a.s.l.". — Distr.: **NT**: Brazil.

propetropis FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 252 (*Pseudosmittia*). Type-locality: "GHANA: Western Region, Ankasa Game Production Reserve". — Distr.: **AF**: Ghana.

- pugnata** FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 288 (*Pseudosmittia*). Type-locality: “USA: Kansas, Scott County, Big Springs near Scott County State Lake, 13.3 mi N., 0.6 mi W. of Scott City”. — Distr.: **NE**: U.S.A. (Kansas).
- remigula** SÆTHER, 2004: *Annales de Limnologie* **40**(4): 299 (*Pseudosmittia*). Type-locality: “SEYCHELLES: Mahé, Marc aux Cochons”. — Distr.: **AF**: Seychelles.
- reyei** (FREEMAN, 1961): *Australian Journal of Zoology* **9**(4): 671 (*Orthosmittia*). Type-locality: {Australia} “Woody I., Qld.” [= Woody Island, Queensland]. — Distr.: **AU**: Australia (Queensland).
- roquei** ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 63 (*Pseudosmittia*). Type-locality: “BRAZIL: Minas Gerais State, Monte Verde, Camanducaia”. — Distr.: **NT**: Brazil.
- rostriformis** MAKARCHENKO & MAKARCHENKO, 2006: *Russian Entomological Journal* **15**(1): 88 (*Pseudosmittia*). Type-locality: {Russia, Far East} **Primorskii kr., Terneiskii r-n, Sikhodz-Alinskii biosfernyi zapovednik, oz. Tret'e** [= Primorsky Krai, Terneisky District, Sikhodz-Alinskii Biosphere Nature Reserve, Lake Tret'e]. — Distr.: **PA**: Russia (Far East).
- rotunda** CASPERS & REISS, 1989: *Entomofauna* **10**(8): 126 (*Pseudosmittia*). Type-locality: “Aras-Tal W Karakurt, 1300 m über NN (Provinz Kars, Osttürkei)” [= Aras Valley west of Karakurt, 1300 metres above sea-level (Kars Province, eastern Turkey)]. — Distr.: **PA**: Turkey.
- setiforceps** (TOKUNAGA, 1964): *Insects of Micronesia* **12**(5): 519 (*Smittia*). Type-locality: [Belau] “Ngiwal, Babelthuap I., Palau Is.”. — Distr.: **AU**: Belau.
- siamensis** FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 200 (*Pseudosmittia*). Type-locality: “THAILAND: Pattaya”. — Distr.: **OR**: Thailand.
- simplex** STRENZKE & THIENEMANN, 1942: *Internationale Revue der gesamten Hydrobiologie und Hydrographie* **42**(4/6): 368 (*Pseudosmittia*). Type-locality: [Austria] “vom Westufer des Lunzer Mittersees (Osthang des Höhersteins) aus einem Mischwald mit Buchen, Fichten, Ahorn zwischen zwei Lawinenhalden (etwa 765 m ü. M.)” [= from the west shore of the 'Middle Lake' at Lunz (east

slope of Höherstein Mountain) from a mixed forest of beech, fir, maple between two avalanche slopes (about 765 metres above sea-level]. Senior secondary homonym and senior synonym of *Smittia* (*Pseudosmittia*) *simplex* Goetghebuer, 1943 (below). — Distr.: **PA**: Austria, Czech Republic, Germany, Lithuania, Netherlands, ¶Yugoslavia.

simplex (GOETGHEBUER in GOETGHEBUER & LENZ, 1943): *Die Fliegen der Palaearktischen Region* **13g**: 108 (*Smittia* (*Pseudosmittia*)). Type-locality: [Austria] “Vom Lunzer See (Niederdonau) . . . Germania” [= From Lunz Lake (lower Danube) . . . Germany]. **Preoccupied**. Junior secondary homonym and junior synonym of *Pseudosmittia simplex* Strenzke & Thienemann, 1942 (above).

? *tenebrosa* (GOETGHEBUER in GOETGHEBUER & LENZ, 1943): *Die Fliegen der Palaearktischen Region* **13g**: 109 (*Smittia* (*Pseudosmittia*)). Type-locality: [Austria] “Vom Lunzer See (Niederdonau) . . . Germania” [= From Lunz Lake (lower Danube) . . . Germany]. **Questionable synonym**. [Note]

sirotskyi MAKARCHENKO & MAKARCHENKO, 2011: *Evrziatskii Entomologicheskii Zhurnal* **10**(3): 392 (*Pseudosmittia*). Type-locality: {Russia} **Yuzhnaya Yakutiya, Neryungrinskii r-n, r. Chul'man, okrestnosti g. Neryungri** [= South Yakutia, Neryungrinsky District, River Chul'man, vicinity of the town of Neryungri]. — Distr.: **PA**: Russia (East Siberia).

spinispinata FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 161 (*Pseudosmittia*). Type-locality: “U.S.A., South Carolina, Williamsburg Co., Kingstree, Black River”. — Distr.: **NE**: U.S.A. (South Carolina).

subtrilobata (FREEMAN, 1956): *Bulletin of the British Museum (Natural History) Entomology* **4**(7): 357 (*Smittia*). Type-locality: [South Africa] “TRANSVAAL: Gladdespruit, nr. Badplaats” — Distr.: **AF**: D.R.Congo, South Africa, Tanzania.

tericristata FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 171 (*Pseudosmittia*). Type-locality: “AUSTRALIA: Western Australia, 4 km w. King Cascade, 15.38° S 125.15° E, camp site”. — Distr.: **AU**: Australia (Western Australia).

- tobaduovicesima** KIKUCHI & SASA, 1990: *Japanese Journal of Sanitary Zoology* **41**(4): 325 (*Pseudosmittia*). Type-locality: {Sumatra, Indonesia} “at the side of Asahan Dam”. — Distr.: **OR**: Indonesia (Sumatra).
- tokaraneoa** SASA & SUZUKI, 1995: *Japanese Journal of Sanitary Zoology* **46**(3): 278 (*Pseudosmittia*). Type-locality: {Tokara Islands, Japan} “Kuchinoshima”. — Distr.: **PA**: Japan; **OR**: Japan (Ryukyu Archipelago).
- famikelea* SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (March)**: 60 (*Pseudosmittia*). Type-locality: [Introduction, p. 16] “Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill”; [p. 47] “at the side of Rokusen Lake” [= Lake B, p. 16].
- tokunagai** FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 232 (*Pseudosmittia*). Type-locality: “PALAU (BELAU): Koror Island”. — Distr.: **AU**: Belau.
- topei** LEHMANN, 1979: *Spixiana Supplement* **3**: 46 (*Pseudosmittia*). Type-locality: [Democratic Republic of the Congo] “Kalengo, Kivu-Gebiet, Zaire”. — Distr.: **PA**: Crete, Turkey; **AF**: D.R.Congo, Ghana, Tanzania; **OR**: Japan (Ryukyu Archipelago).
- ikemaensis* SASA & HASEGAWA, 1988: *Japanese Journal of Sanitary Zoology* **39**(3): 244 (*Pseudosmittia*). Type-locality: {Ryukyu Islands, southern Japan} “on the bank of a small eutrophicated pool in the primary school of Ikema Island, Miyako”.
- amamiagina* SASA & SUZUKI, 1993: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1993**: 116 (*Pseudosmittia*). Type-locality: [Abstract, p. 110] “Amami-Oshima Island, southern Japan”; [p. 116] “at (I), on the side of Kachiura River, Agina”.
- triangula** (TOKUNAGA, 1964): *Insects of Micronesia* **12**(5): 524 (*Smittia*). Type-locality: [Belau] “Koror I., Palau”. — Distr.: **AF**: Seychelles; **OR**: China (Jiangxi); **AU**: Belau; **OC**: Marshall Islands.
- trilobata** (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 364

(*Spaniotoma* (*Smittia*)). Type-locality: [Great Britain] “Wicken, Cambs.” [Cambs. = Cambridgeshire]. — Distr.: **PA**: Austria, Belgium, China (Inner Mongolia), Crete, ?Denmark, Estonia, Finland, France, Germany, Great Britain, Ireland, Italy, ?Latvia, Lebanon, Mongolia, ?Netherlands, Norway, ?Poland, ?Romania, Russia (CET, NET, Far East), Slovakia, Spain, ?Sweden, Turkey.

avicularia (GOETGHEBUER, 1950): *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* **26**(47): 13 (*Smittia* (*Pseudosmittia*)). Type-locality: “Putterersee, Ennstal (Autriche)” [= Putterersee, Ennstal (Austria)].

triplex STRENZKE, 1950: *Archiv für Hydrobiologie Supplement* **18**(2): 301 (*Pseudosmittia*). Type-locality: [Austria] “Hornkeeses (Zillertaler Alpen) in ca. 2000 m Höhe” [= Hornkeeses (Zillertaler Alps) at an altitude of about 2000 metres]. — Distr.: **PA**: Austria. [Note]

tropis ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 65 (*Pseudosmittia*). Type-locality: “ECUADOR: Pastaza Province, Puyo, Terminal Terrestre, 950 m a.s.l.”. — Distr.: **NT**: Brazil, Ecuador.

umbonata ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 67 (*Pseudosmittia*). Type-locality: “BRAZIL: São Paulo State, Estação Ecológica Juréia-Itatins, Peruíbe, 24°31'06"S, 47°12'06"W”. — Distr.: **NT**: Brazil.

uncata ANDERSEN, SÆTHER & MENDES, 2010: *Zootaxa* **2472**: 69 (*Pseudosmittia*). Type-locality: “BRAZIL: Paraná State, Ponta Grossa, Fazenda Paiquerê”. — Distr.: **NT**: Brazil.

unniae FERRINGTON & SÆTHER, 2011: *Zootaxa* **2849**: 177 (*Pseudosmittia*). Type-locality: “GHANA: Accra, Legon, Botanical Garden”. — Distr.: **AF**: Ghana.

windwardensis (SÆTHER, 1981): *Entomologica Scandinavica Supplement* **16**: 23 (*Smittia*). Type-locality: “442 m a.s.l., below waterfall, Majorca, Yambou River, St. Vincent”. — Distr.: **NT**: Brazil, Costa Rica, St. Lucia, St. Vincent.

xanthostola (KIEFFER, 1911): *Transactions of the Linnean Society of London (2nd Series, Zoology)* **14**: 362 (*Dactylocladius*). Type-locality: “Seychellen. Mahé: Anonyme Island, from seaweed” [Seychellen = Seychelles] [Lectotype

designated in Sæther, 2004: *Annales de Limnologie* **40**(4): 298, “SEYCHELLES: Mahé, Cascade Estate”]. — Distr.: **AF**: Seychelles.

heterostola (KIEFFER, 1911): *Transactions of the Linnean Society of London (2nd Series, Zoology)* **14**: 363 (*Dactylocladius*). Type-locality: “Seychellen. Mahé: Anonyme Island, from seaweed” [Seychellen = Seychelles] [Lectotype designated in Sæther, 2004: *Annales de Limnologie* **40**(4): 298, “SEYCHELLES: . . . Anonyme Island”].

yapensis (TOKUNAGA, 1964): *Insects of Micronesia* **12**(5): 525 (*Smittia*). Type-locality: [Federated States of Micronesia] “Rumung I., Yap”. — Distr.: **OC**: Federated States of Micronesia, Marshall Islands.

zonata (TOKUNAGA, 1964): *Insects of Micronesia* **12**(5): 528 (*Smittia*). Type-locality: [Belau] “Ngiwal, Babelthuap I., Palau”. — Distr.: **AU**: Belau; **OC**: Federated States of Micronesia, Guam, Northern Marianas.

guamensis (TOKUNAGA, 1964): *Insects of Micronesia* **12**(5): 532 (*Smittia*). Type-locality: “Mt. Lamlam, Guam”.

Nomina dubia in PSEUDOSMITTIA

hexalobus (KIEFFER, 1924): *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **43**: 395 (*Camptocladius*). Type-locality: [Germany] “Lac Dameshoved, Holstein” [= Dameshöved Lake, Holstein. [Note]

vicana (GOETGHEBUER in GOETGHEBUER & LENZ, 1943): *Die Fliegen der Palaearktischen Region* **13g**: 110 (*Smittia (Pseudosmittia)*). Type-locality: “Belgia” [= Belgium]. [Note]

Unavailable names in PSEUDOSMITTIA

togaretea SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Pseudosmittia*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a

description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

togasezia SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Pseudosmittia*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

Genus **PSILOMETRIOCNEMUS** SÆTHER

PSILOMETRIOCNEMUS SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 105. Type-species: *Psilometriocnemus triannulatus* Sæther, 1969, by original designation.

europaeus TUISKUNEN, 1986: *Annales Entomologici Fennici* **51**(4): 101 (*Psilometriocnemus*). Type-locality: “Finland, Le, Enontekiö, Näkkäläjoki (760:36)”. — Distr.: **PA**: Finland, Norway. [**Note**]

triannulatus SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 107 (*Psilometriocnemus*). Type-locality: [U.S.A.] “Monroe Brook, Mt. Washington, New Hampshire”. — Distr.: **NE**: Canada (New Brunswick, Nova Scotia, Ontario, Québec,), U.S.A. (Florida, Georgia, Kansas, Minnesota, New Hampshire, North Carolina, Ohio, South Carolina, Tennessee).

cristatus SÆTHER, 1982: *Entomologica Scandinavica* **13**(4): 480 (*Psilometriocnemus*). Type-locality: “U.S.A. . . . seep-first order stream, Clemson Univ., Issaqueena Forest, Pickens Co., South Carolina”.

Genus **PTEROSIS** SUBLETTE & WIRTH

PTEROSIS SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 317. Type-species: *Pterosis wisei* Sublette & Wirth, 1980, by original designation.

wisei SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 317 (*Pterosis*).

Type-locality: {New Zealand} “Auckland Is, Adams I., W end, 50 ft”. — Distr.:
AU: New Zealand (Auckland Islands, Campbell Island).

Genus **QINIELLA** WANG & SÆTHER

QINIELLA WANG & SÆTHER, 1998: *Hydrobiologia* **362**: 103. Type-species: *Qiniella lii*
Wang & Sæther, 1998, by original designation.

QUINIELLA: incorrect original spelling.

copa MENDES & ANDERSEN, 2002: *Tijdschrift voor Entomologie* **145**(1): 91 (*Qiniella*).
Type-locality: “MALAYSIA: Sabah, Kinabalu-Gebiet, approx. 500 m a.s.l.”. —
Distr.: **OR**: Malaysia.

lii WANG & SÆTHER, 1998: *Hydrobiologia* **362**: 104 (*Qiniella*). Type-locality: “CHINA:
Henan: Song County, Baiyunshan Forestry Farm”. — Distr.: **PA**: China
(Henan).

thai MENDES & ANDERSEN, 2002: *Tijdschrift voor Entomologie* **145**(1): 91 (*Qiniella*).
Type-locality: “THAILAND: Doi Inthanon”. — Distr.: **OR**: Thailand.

Genus **RHAGOSMITTIA** FERRINGTON & SÆTHER

RHAGOSMITTIA FERRINGTON & SÆTHER, 2006: *Aquatic Insects* **28**(4): 244. Type-
species: *Spaniotoma (Smittia) maculiventris* Edwards, 1933, by original designation.

maculiventris (EDWARDS, 1933): *Bernice P. Bishop Museum Bulletin* **114**: 89 (*Spaniotoma*
(*Smittia*)). Type-locality: {Marquesas Islands} “Uahuka: Putatauuu, Vaipae
Valley, altitude 800 feet”. — Distr.: **OC**: French Polynesia (Marquesas),
Western Samoa.

Genus **RHEOCRICOTOPUS** BRUNDIN

RHEOCRICOTOPUS BRUNDIN, 1956: *Reports from the Institute of Freshwater*
Research, Drottningholm **37**: 118. Type-species: *Chironomus effusus* Walker, 1856, by
original designation. [**Note**]

RHEOCRICOTOPUS THIENEMANN & HARNISCH, 1932: *Zoologischer Anzeiger* **99**(5/6):

135. Type-species: Not given. Name not made available - not accompanied by fixation of a type-species contrary to Article 13.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

PSILOCRICOTOPUS SÆTHER, 1986: see below as subgenus.

RHEOCRICOTOPUS BRUNDIN, 1956: see below as subgenus.

Subgenus **PSILOCRICOTOPUS** SÆTHER

PSILOCRICOTOPUS SÆTHER, 1986: *Spixiana Supplement* **11**: 72. Type-species: *Cricotopus atripes* Kieffer, 1913, by original designation.

akagisecundus (KIKUCHI & SASA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 114 (*Rheocricotopus* (*Paracricotopus*)). Type-locality: {Japan} [p. 112] “at the side of a fountain stream on the slope of Mount Akagi (Gunma)”. — Distr.: **PA**: Japan.

atripes (KIEFFER, 1913): *Bulletin de la Société d’Histoire Naturelle de Metz* **28**: 32 (*Cricotopus*). Type-locality: “Allemagne: Sauerland” [Allemagne = Germany] || ▶ Type-locality: [Germany] “In Wiesenquellen und Quellrinnsalen des Zuflußgebietes der Haspertsperre” [= In meadow springs and spring rivulets of the inflow region of the Hasper Dam] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 77 ◀ ||. — Distr.: **PA**: Austria, Azores, China (Henan), Corsica, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, ?Lebanon, Luxembourg, ?Madeira, Morocco, Netherlands, Norway, Portugal, Romania, Russia (CET, East Siberia), Slovakia, Spain, Turkey.

atripes (THIENEMANN, 1912): *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 77 (*Cricotopus*; as “*atripes* Kieff.”). Type-locality: [Germany] “In Wiesenquellen und Quellrinnsalen des Zuflußgebietes der Haspertsperre” [= In meadow springs and spring rivulets of the inflow region of the Hasper Dam]. Name not made available - not accompanied by a

description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

foveatus (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 330 (*Spaniotoma* (*Trichocladius*)). Type-localities: [GB, England] “Minchinhampton, Glos.” [Glos. = Gloucestershire]; “Sidmouth, S. Devon”; “Corriegills, Arran”; “Kinbraig”.

iridipennis (STORÅ, 1945): *Commentationes Biologicae* **8**(10): 25 (*Trichocladius*). Type-localities: {Azoren} [= Azores] “Mig.: Lagoa do Congro” [Mig. = São Miguel]; “Furnas”; “Terc.: Praia da Victoria, Fonduros” [Terc. = Terceira]; “Lagoa Achada”; “Aqualva”; “Jorge: Calheta” [Jorge = São Jorge]; “Ribeira do Salto”; “Ilheo do Topa”; “Ribeira Funda”; “Fay.: Ribeira”; “Caldeira” [Fay. = Faial]; “Flor.: Ribeira da Cruz” [Flor. = Flores].

bicornuatus BHATTACHARYAY, ALI & CHAUDHURI, 1991: *Beiträge zur Entomologie* **41**(2): 343 (*Rheocricotopus* (*Psilocricotopus*)). Type-locality: “India, West Bengal, Kurseong”. — Distr.: **OR**: India (West Bengal).

bifasciatus WANG & ZHENG, 1991: *Acta Zootaxonomica Sinica* **16**(1): 100 (*Rheocricotopus*). Type-locality: [p. 104, English Summary] {China} “Sichuan (Mt. Jinfo, 29.0°N, 107.1°E, 1800 m.)”. — Distr.: **OR**: China (Sichuan).

brachypus WANG & ZHENG, 1991: *Acta Zootaxonomica Sinica* **16**(1): 101 (*Rheocricotopus*). Type-locality: [p. 104-105, English Summary] {China} “Guangdong Province (Fengkai County, 23.4°N, 111.4°E)”. — Distr.: **OR**: China (Guangdong).

calviculus WANG & SÆTHER, 2001: *Hydrobiologia* **444**: 237 (*Rheocricotopus* (*Psilocricotopus*)). Type-locality: “CHINA: Shaanxi Province, Zhouzhi County . . . 1200 m a .s. l.”. — Distr.: **PA**: China (Shaanxi).

capensis (FREEMAN, 1953): *Proceedings of the Royal Entomological Society (B)* **22**(7/8): 133 (*Trichocladius*). Type-locality: [South Africa] “Berg River, Wellington”. — Distr.: **AF**: D.R.Congo, Ethiopia, Lesotho, South Africa, Tanzania, Togo, Zimbabwe.

- cereofasciatus** (GOETGHEBUER, 1934): *Revue de Zoologie et de Botanique Africaines* **25**: 202 (*Cricotopus*). Type-locality: [Democratic Republic of the Congo] {Congo Belge} “pris à Kisantu” [= caught at Kisantu]. — Distr.: **AF**: D.R.Congo, Madagascar, Zimbabwe.
- chalybeatus** (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 331 (*Spaniotoma (Trichocladius)*). Type-localities: [Great Britain] “Watford, Herts.” [Herts. = Hertfordshire]; “Biggleswade, Beds.” [Beds. = Bedfordshire]; “Shrewsbury, Salop” [Salop = Shropshire]; “Sidmouth and Gorge of Dart, S. Devon”; “Staveley, Westmoreland”; “Ilkley, Yorks.” [Yorks. = Yorkshire] [Lectotype designated in Sæther, 1986: *Spixiana Supplement* **11**: 82, [Great Britain] “canal nr. Watford, Herts., England”]. — Distr.: **PA**: Algeria, Balearic Islands, Belarus, Belgium, Corsica, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Japan, Lebanon, Luxembourg, Mongolia, Morocco, Netherlands, Poland, Portugal, Romania, Russia (CET, NET, Far East), Slovakia, Spain, Switzerland, Syria, Tunisia, Turkey, Ukraine.
- chalybeatus** subsp. **bicoloratus** CASPERS & REISS, 1989: *Entomofauna* **10**(8): 135 (*Rheocricotopus (Psilocricotopus)*). Type-locality: “Botan Cayi-Tal, 500 m über NN (Provinz Siirt, Südosttürkei)” [= Botan Cayi Valley, 500 metres above sea-level (Province of Siirt, South-east Turkey)]. — Distr.: **PA**: Turkey.
- chalybeatus** subsp. **chalybeatus** (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 331 (*Spaniotoma (Trichocladius)*). Type-localities: [Great Britain] “Watford, Herts.” [Herts. = Hertfordshire]; “Biggleswade, Beds.” [Beds. = Bedfordshire]; “Shrewsbury, Salop” [Salop = Shropshire]; “Sidmouth and Gorge of Dart, S. Devon”; “Staveley, Westmoreland”; “Ilkley, Yorks.” [Yorks. = Yorkshire] [Lectotype designated in Sæther, 1986: *Spixiana Supplement* **11**: 82, “canal nr. Watford, Herts., England”]. — Distr.: **PA**: Algeria, Balearic Islands, Belarus, Belgium, Corsica, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Japan, Lebanon, Luxembourg, Morocco, Netherlands, Poland, Portugal,

Romania, Russia (CET, NET, Far East), Slovakia, Spain, Switzerland, Turkey, Ukraine.

urbanus (GOETGHEBUER, 1932): *Faune de France* **23**: 101 (*Eukiefferiella*). Type-locality: “Belgique : Gand” [Belgique = Belgium].

leruthi (GOETGHEBUER, 1939): *Bulletin du Musée Royal d’Histoire Naturelle de Belgique* **15**(56): 2 (*Trichocladus*; as “*Leruthi*”). Type-locality: {Roumanie} “dans la Pesterea II dela Tîgla (R. 101), comuna Vârciorog, plasa Tileagd, jud. Bihor” [= in the Pesterea II beyond the Tîgla (R. 101), comuna Vârciorog, plasa Tileagd, jud. Bihor] [Roumanie = Romania].

yamashioprimus (SASA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 30 (*Paratrachocladus*; [p. 30] as “*yamasioprimus*”, [p. 57] as “*yamashioprimus*”). Type-locality: {Japan} [p. 28] “YAMASHIRO HOTSPRING TOWN, ISHIKAWA”. [Note]

yamasioprimus: incorrect original spelling.

shofukutertius SASA, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 31 (*Rheocricotopus*). Type-locality: {Japan} [Abstract, p. 14] “in the Shofuku Garden, . . . about 1 km from the mouth of Kurobe River”.

shofulutertius: incorrect original spelling.

toneefea (SASA & TANAKA, 2000): *Annual Report of Gunma Prefecture Institute of Public Health and Environmental Sciences* **32**: 40 (*Eukiefferiella*). Type-locality: {Japan} [Title, p. 38] “Tone River, Gunma Prefecture”; [p. 40] “at Taisho Bridge”.

fukuabeus SASA & TANAKA, 2001: *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **33**: 54 (*Rheocricotopus*). Type-locality: {Japan} [Abstract, p. 41] “Tone River, Gunma Prefecture”; [p. 54] “Fukushima Bridge”.

chapmani (EDWARDS, 1935): *Annals and Magazine of Natural History* (10) **15**: 471 (*Spanitoma* (*Trichocladus*)). Type-localities: {Greenland} “Lake Fjord”;

“Jameson Land”. — Distr.: **NE**: Canada (Northwest Territories), Greenland;
PA: Finland, Norway.

conflusirus SÆTHER, 1986: *Spixiana Supplement* **11**: 72 (*Rheocricotopus* (*Psilocricotopus*)). Type-locality: “Jocasse Reservoir, Salem, Oconee Co., South Carolina, U.S.A.”. — Distr.: **NE**: U.S.A. (South Carolina).

constrictus YAN & WANG, 2004: *Acta Zootaxonomica Sinica* **29**(3): 560 (*Rheocricotopus* (*Psilocricotopus*)). Type-locality: “China : Hubei Province, Xianfeng County, Luoheba (alt. 400 m; 29°40' N, 109°08' E)”. — Distr.: **OR**: China (Fujian, Hubei).

emeiensis WANG & ZHENG, 1989: *Entomotaxonomia* **11**(4): 311 (*Rheocricotopus* (*Psilocricotopus*)). Type-locality: [p. 313, English Summary] {China} “Sichuan Province (Mt. Emei)”. — Distr.: **OR**: China (Fujian, Sichuan).

frequens BHATTACHARYAY, ALI & CHAUDHURI, 1991: *Beiträge zur Entomologie* **41**(2): 345 (*Rheocricotopus* (*Psilocricotopus*)). Type-locality: “India, West Bengal, Darjeeling”. — Distr.: **OR**: India (West Bengal).

gallicus LEHMANN, 1969: *Archiv für Hydrobiologie* **66**(3): 358 (*Rheocricotopus*). Type-locality: “an einer Brücke des Escoutay, nahe Viviers (Ardèche), Frankreich” [= on a bridge of the Escoutay stream, near Viviers (Ardèche), France]. — Distr.: **PA**: France, Italy, ?Portugal, Spain, Turkey.

glabricollis (MEIGEN, 1830): *Systematische Beschreibung* **6**: 248 (*Chironomus*). Type-locality: [Title] “europäischen” [= European] [Lectotype designation in Sæther, 1986: *Spixiana Supplement* **11**: 87]. — Distr.: **NE**: Canada (Manitoba), U.S.A. (Georgia, North Carolina, Ohio, Pennsylvania, South Carolina, Tennessee); **PA**: Austria, Canary Islands, China (Tibet), Czech Republic, Denmark, France, Germany, Great Britain, Hungary, Ireland, Italy, Macedonia, Morocco, Netherlands, Poland, Russia (Far East), Slovakia, Spain, Tunisia, Turkey.

ornaticollis (SANTOS-ABREU, 1918): *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 210 (*Orthocladius* (*Paratrachocladius*)). Type-locality: {Canary Islands} “en la isla de la Palma . . . en las inmediaciones de

los bosques y posteriormente en los alrededores de Santa Cruz de la Palma” [= on the island of La Palma . . . in the immediate vicinity of the forest and then Santa Cruz de la Palma].

boiemicus (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 148 (*Cricotopus*). Type-locality: [Czech Republic] “Bohême : Slavitz” [= Bohemia : Slavičín].

gouini (GOETGHEBUER in GOUIN, 1936): *Revue Française d'Entomologie* **3**: 167 (*Trichocladus*; “*Gouini*”). Type-locality: {France} “Vendenheim (« Schlossgraben »)” [Schlossgraben = moat].

extatus (ROBACK, 1957): *Monographs of the Academy of Natural Sciences of Philadelphia* **9**: 84 (*Trichocladus*). Type-locality: [U.S.A.] “Spring along Rose Glen Road, Gladwyne, Pa.” [Pa. = Pennsylvania].

godavarius LEHMANN, 1969: *Archiv für Hydrobiologie* **66**(3): 361 (*Rheocricotopus*). Type-locality: “Godavari, Nepal, 5000' ”. — Distr.: **OR**: Nepal.

gotocedeus SASA & SUZUKI, 2001: *Tropical Medicine* **42**(3/4): 145 (*Rheocricotopus*). Type-locality: {Goto Islands, Western Japan} “Wani River”. — Distr.: **PA**: Japan.

hidakadeus SASA & SUZUKI, 2001: *Tropical Medicine* **42**(3/4): 184 (*Rheocricotopus*). Type-locality: {Hokkaido, Japan} [p. 178] “in the Hidaka Mountain areas”; [p. 184] “Nakasatsunai Village”. — Distr.: **PA**: Japan.

himalayensis CHAUDHURI & SINHARAY, 1983: *Entomologica Basiliensia* **8**: 398 (*Rheocricotopus*). Type-locality: {India} “West Bengal, Kurseong”. — Distr.: **OR**: India (West Bengal). [Note]

imperfectus MAKARCHENKO & MAKARCHENKO, 2005: *Evrziatskii Entomologicheskii Zhurnal* **4**(2): 126 (*Rheocricotopus (Psilocricotopus)*). Type-locality: {Russia, Far East} **OSTROV SAKHALIN, Dolinskii r-n, okrestnosti pos. Sokol, r. Belaya** [= Sakhalin Island, Dolinsky District, vicinity of the town of Sokol, River Belaya]. — Distr.: **PA**: Russia (Far East).

insularis MAKARCHENKO & MAKARCHENKO, 2005: *Evrziatskii Entomologicheskii*

Zhurnal 4(2): 129 (*Rheocricotopus* (*Psilocricotopus*)). Type-locality: {Russia, Far East} **KURIL'SKIE OSTROVA, o-v Shiashkotan, bezymyannyi ruchi, stekayushchii s gory Pikovaya k zapadu ot mysy Grotovyi** [= Kuril Islands, island of Shiashkotan, anonymous stream, flowing down from Pikovaya Mountain to the west of Cape Grotovyi]. — Distr.: **PA**: Russia (Far East).

intermedius (TOKUNAGA, 1939): *Philippine Journal of Science* 69(3): 332 (*Spaniotoma* (*Trichocladius*)). Type-locality: “Honshu, Japan . . . Kibune, Kyoto”. — Distr.: **PA**: Japan.

isigadeus SASA & SUZUKI, 2000: *Tropical Medicine* 42(1): 7 (*Rheocricotopus*). Type-locality: {Japan} [p. 4] “Ishigaki Island”; [p. 7] “at the side of Nakura River”. — Distr.: **OR**: Japan (Ryukyu Archipelago).

kamimonji SASA & HIRABAYASHI, 1993: *Japanese Journal of Sanitary Zoology* 44(4): 364 (*Rheocricotopus*). Type-locality: {Japan} [p. 362] “Kamikochi”; [p. 364] “at Kamikochi (H)” [“(H)” = “Nishiitoya Hotel”]. — Distr.: **PA**: Japan.

kurocedeus SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center 1996 (December)*: 19 (*Rheocricotopus*). Type-locality: [Japan] “at Kuroyon Lodge at the side of Kuroyon Lake”. — Distr.: **PA**: Japan.

lindbergi LEHMANN, 1969: *Archiv für Hydrobiologie* 66(3): 360 (*Rheocricotopus*). Type-locality: “Kadjahkai (70 km nord-östlich von Guerechk, Afghanistan, ca. 1100 m ü. N. N.)” [= Kadjahkai (70 kilometres north-east from Guerechk, Afghanistan, circa 1100 metres above sea-level)]. — Distr.: **PA**: Afghanistan, Turkey.

lobalis (JOHANNSEN, 1932): *Archiv für Hydrobiologie Supplement* 9: 726 (*Spaniotoma* (*Trichocladius*)). Type-locality: [Indonesia] “in a pond in the Botanical Garden in Buitenzorg, Java” [Buitenzorg = Bogor]. — Distr.: **OR**: Indonesia (Java).

mediocris (JOHANNSEN, 1932): *Archiv für Hydrobiologie Supplement* 9: 728 (*Spaniotoma* (*Trichocladius*)). Type-locality: [Indonesia] “from near Balige, Toba District, Sumatra”. — Distr.: **OR**: Indonesia (Sumatra).

- metallescens** (GOETGHEBUER, 1934): *Revue de Zoologie et de Botanique Africaines* **25**: 204 (*Eukiefferiella*). Type-locality: [Democratic Republic of the Congo] {Congo Belge} “à Kisantu” [= at Kisantu]. — Distr.: **AF**: Dameroon, Chad, D.R.Congo, Nigeria, Sierra Leone, Sudan.
- nemoacrostichalis** CHAUDHURI & SINHARAY, 1983: *Entomologica Basiliensia* **8**: 401 (*Rheocricotopus*). Type-locality: {India} “West Bengal, Tindharia”. — Distr.: **OR**: India (West Bengal).
- nigrus** WANG & ZHENG, 1989: *Entomotaxonomia* **11**(4): 311 (*Rheocricotopus* (*Psilocricotopus*)). Type-locality: [p. 313, English Summary] {China} “Hubei Province (Gucheng)”. — Distr.: **PA**: Russia (Far East); **OR**: China (Hubei).
- notabilis** CASPERS, 1987: *Aquatic Insects* **9**(3): 170 (*Rheocricotopus* (*Psilocricotopus*)). Type-locality: “Rio Zêzere, Fonte Santa (Manteigas), Serra da Estrela, Portugal”. — Distr.: **PA**: Portugal, Spain.
- nudisquamus** MAKARCHENKO & MAKARCHENKO, 2009: *Evrziatskii Entomologicheskii Zhurnal* **8**(1): 122 (*Rheocricotopus* (*Psilocricotopus*)). Type-locality: “Priamushka River, Lazovsky Nature Reserve, Lazovsky District, Primorye Territory, Russian Far East”. — Distr.: **PA**: Russia (Far East).
- oiraprimus** SASA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 72 (*Rheocricotopus*). Type-locality: {Japan} “at the side of Oirase River”. — Distr.: **PA**: Japan.
- okifoveatus** SASA, 1990: *Japanese Journal of Experimental Medicine* **60**(3): 129 (*Rheocricotopus*). Type-locality: {Nansei Islands, southern Japan} “Genga River, Okinawa”. — Distr.: **OR**: Japan (Ryukyu Archipelago).
- rarispinga** HAZRA & CHAUDHURI, 2004: *Animal Biodiversity and Conservation* **27**(2): 2 (*Rheocricotopus* (*Psilocricotopus*)). Type-locality: {India} “West Bengal, Tiger Hill (Darjeeling)”. — Distr.: **OR**: India (Sikkim, West Bengal).
- rigidus** (JOHANNSEN, 1932: *Archiv für Hydrobiologie Supplement* **9**: 728 (*Spaniotoma* (*Trichocladus*)). Type-locality: [Indonesia] “near a waterfall at Sarangan, Middle Java, . . . Elevation 1410 meters”. — Distr.: **OR**: Indonesia (Java).

- robacki** (BECK & BECK, 1964): *Florida Entomologist* **47**(3): 204 (*Trichocladus*). Type-locality: [U.S.A.] “Peter’s Creek, Clay County, Fla” [Fla = Florida]. — Distr.: **NE**: Canada (Ontario), U.S.A. (Alabama, Florida, Georgia, Mississippi, Montana, New York, North Carolina, Ohio, South Carolina, South Dakota, Tennessee).
- kenorensis* SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 88 (*Rheocricotopus*). Type-locality: [Canada] “fast flowing stream, between miles 18 and 19 on Mando logging road, Kenora, Ont.” [Ont. = Ontario].
- sirventorum** ANDERSEN & MENDES, 2012: *Biota Neotropica* **12**(1): 114 (*Rheocricotopus* (*Psilocricotopus*)). Type-locality: “Brazil: Mato Grosso, Nova Xavantina, Fazenda Queté, córrego Cachoeira, 14° 32.817’ S and 52° 31.395’ W”. — Distr.: **NT**: Brazil.
- subacutus** CASPERS & REISS, 1989: *Entomofauna* **10**(8): 139 (*Rheocricotopus* (*Psilocricotopus*)). Type-locality: “Celik Gölü bei Gölbasi, 900 m über NN (Provinz Adiyaman, östliche Südtürkei)” [= Celik Gölü near Gölbasi, 900 metres above sea-level (Province of Adiyaman, eastern Southern Turkey)]. — Distr.: **PA**: Spain, Turkey.
- taiwanensis** WANG, YAN & MAA, 2004: *Entomologia Sinica* **11**(3): 239 (*Rheocricotopus*). Type-locality: “China, Taiwan Province, Taipei City, Kuandu, Wetland”. — Distr.: **OR**: Taiwan.
- tirolus** LEHMANN, 1969: *Archiv für Hydrobiologie* **66**(3): 359 (*Rheocricotopus*). Type-locality: [Austria] “am Bach, Obergurgl/ Tirol” [= at a brook, Obergurgl, Tirol]. — Distr.: **PA**: Austria, Cyprus, Finland, France, Germany, Great Britain, Ireland, Morocco, Norway, Portugal, Slovakia, Spain, Switzerland.
- tobatervicesimus** KIKUCHI & SASA, 1990: *Japanese Journal of Sanitary Zoology* **41**(4): 327 (*Rheocricotopus*). Type-locality: {Sumatra, Indonesia} “at the side of Lake Toba”. — Distr.: **OR**: Indonesia (Sumatra).
- tokarakeleus** SASA & SUZUKI, 1995: *Japanese Journal of Sanitary Zoology* **46**(3): 270 (*Rheocricotopus*). Type-locality: {Tokara Islands, Japan} “Kuchinoshima”. —

Distr.: **OR**: Japan (Ryukyu Archipelago).

valgus CHAUDHURI & SINHARAY, 1983: *Entomologica Basiliensia* **8**: 402 (*Rheocricotopus*). Type-locality: {India} “West Bengal, Darjeeling”. — Distr.: **OR**: India (West Bengal).

villiculus WANG & SÆTHER, 2001: *Hydrobiologia* **444**: 238 (*Rheocricotopus* (*Psilocricotopus*)). Type-locality: “CHINA: Henan province, Jigong Mt., 700 m a. s. l.”. — Distr.: **OR**: China (Henan).

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

sp.: CRANSTON, 1997: *AWT Identification Guide Number 1*: 93 (*Rheocricotopus*). Localities: {Australia} “Western Australia . . . from northern rivers (including Hamersley Gorge)”; “NSW . . . from River Murray tributaries in Albury Wodonga, the Shoalhaven (Hillview and Warri Bridge), Barrengarry River, Deua River, Paddys River” [NSW = New South Wales]. — Distr.: **AU**: Australia (New South Wales, Western Australia).

Subgenus **RHEOCRICOTOPUS** BRUNDIN

amamipubescius (SASA, 1990): *Japanese Journal of Experimental Medicine* **60**(3): 127 (*Eukiefferiella*). Type-locality: {Amami Island, Nansei Islands, southern Japan} “Yakkachi River”. — Distr.: **OR**: Japan (Ryukyu Archipelago).

amplicristatus SÆTHER, 1986: *Spixiana Supplement* **11**: 95 (*Rheocricotopus* (*Rheocricotopus*)). Type-locality: “Upper Three Runs Creek, Savanagh River Plant SRP 8–1, Aiken Co., South Carolina, U.S.A.”. — Distr.: **NE**: U.S.A. (Georgia, South Carolina).

baishanensis WANG & ZHENG, 1991: *Acta Zootaxonomica Sinica* **16**(1): 102 (*Rheocricotopus*). Type-locality: [p. 105, English Summary] {China} “Jilin Province (Mt. Changbai, 42.0°N, 128.1°E)”. — Distr.: **PA**: China (Jilin).

effusoides SÆTHER, 1986: *Spixiana Supplement* **11**: 98 (*Rheocricotopus* (*Rheocricotopus*)).

Type-locality: “Ed’s Creek, Gavin’s Point National Fish Hatchery, Yankton, South Dakota, U.S.A.”. — Distr.: **NE**: U.S.A. (Ohio, South Dakota); **PA**: (East Siberia).

effusus (WALKER, 1856): *Insecta Britannica Diptera* **3**: 180 (*Chironomus*). Type-locality: [Great Britain] “(E.)” [= England]. — Distr.: **NE**: Canada (Northwest Territories), U.S.A. (Illinois, North Carolina, South Carolina, South Dakota); **PA**: Austria, Belarus, Bulgaria, Corsica, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Lebanon, Luxembourg, Moldova, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, East Siberia, Far East), Slovakia, Spain, Sweden, Switzerland, Tunisia, Turkey; **OR**: China (Fujian, Sichuan), Nepal.

striatus (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 517 (*Orthocladus (Trichocladus)*). Type-locality: [U.S.A.] “Dubois, Ill.” [Ill. = Illinois].

rivicola (KIEFFER, 1921): *Archiv für Hydrobiologie Supplement* **2**(4): 804 (*Cricotopus*). Type-locality: [Germany] “Eifel, Larven in einer Quelle” [= Eifel, larvae in a spring] || ▶ Type-locality: [Germany] “Eifel: Quelle bei Schalkenmehren” [= Eifel: spring near Schalkenmehren] in Thienemann & Harnisch, 1932: *Zoologischer Anzeiger* **99**(5/6): 139 ◀ ||.

dorieri (GOETGHEBUER in GOETGHEBUER & DORIER, 1932): *Travaux du Laboratoire d’Hydrobiologie et de Pisciculture de l’Université de Grenoble* **23**: 65 (*Orthocladus (Dactylocladius)*); as “*Dorieri*”. Type-locality: [France] [p. 61] “Environs de Grenoble, le ruisseau de Saint-Robert” [= vicinity of Grenoble, the Saint-Robert stream].

holosericeus (GOETGHEBUER in GOUIN, 1936): *Revue Française d’Entomologie* **3**: 167 (*Trichocladus*). Type-locality: {France} “Echery”.

brunensis (GOETGHEBUER, 1937): *Bulletin et Annales de la Société Entomologique de Belgique* **77**(6): 275 (*Trichocladus*). Type-locality: [Czech Republic] “Environs de Brno (Bohême)” [= vicinity of Brno (Bohemia)]

eminellobus SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 85 (*Rheocricotopus*). Type-locality: [Canada] “large mountain stream, Rowe Creek, above highway to Cameron Lake, Waterton National Park, Alta.” [Alta. = Alberta]. — Distr.: **NE**: Canada (Alberta, Ontario), U.S.A. (North Carolina, Ohio, South Carolina, Tennessee); **PA**: Russia (Far East).

fuscipes (KIEFFER, 1909): *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 45 (*Cricotopus*; as “*Fuscipes*”). Type-locality: {Allemagne} [= Germany] “Gotha ; larves . . . dans un fossé” [= Gotha ; larvae . . . in a ditch]. — Distr.: **PA**: Austria, Belarus, Belgium, Corsica, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Japan, Lebanon, Luxembourg, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET), Sardinia, Sicily, Slovakia, Spain, Switzerland, Tunisia, Turkey.

sordicola (KIEFFER, 1912): *Bulletin de la Société Entomologique de France* **1912**: 87 (*Cricotopus*). Type-locality: [Germany] “Géra” [= Gera] || ▶ Type-locality: [Germany] “aus der Gera bei Arnstadt in Thüringen” [= from the Gera at Arnstadt in Thuringia], in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 77] ◀ ||.

sordiicola, *sordidicola*: incorrect subsequent spellings.

fuscithorax (KIEFFER, 1913): *Bulletin de la Société d'Histoire Naturelle de Metz* **28**: 32 (*Cricotopus*; as var. of “*sordiicola*” [= *sordicola*] Kieffer, 1912). Type-locality: {Allemagne} [= Germany] “île de Rügen” [= island of Rügen]. [**Note**

fuscithorax (THIENEMANN, 1912): *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 77 (*Cricotopus*; as var. of “*sordiicola*” [= *sordicola*] Kieffer, 1912). Locality: [Germany] “im Schlamm der Glinde bei Niedermarsberg” [= in the mud of the Glinde at Niedermarsberg]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. [**Note**

discolor (KIEFFER, 1913): *Bulletin de la Société d'Histoire Naturelle de Metz* **28**: 33

(*Cricotopus*; as var. of “*sordiicola*” [= *sordicola*] Kieffer, 1912). Type-locality: “Sauerland, Allemagne” [= Germany] || ► Type-locality: [Germany] “In Wiesenquellen und Quellrinnsalen des Zuflußgebietes der Haspertalsperre” [= In meadow springs and spring rivulets of the inflow region of the Hasper Dam reservoir] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 77 ◀ ||.

discolor (THIENEMANN, 1912): *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 77 (*Cricotopus*; as var. of “*sordiicola*” [= *sordicola*] Kieffer, 1912). Locality: [Germany] “In Wiesenquellen und Quellrinnsalen des Zuflußgebietes der Haspertalsperre” [= In meadow springs and spring rivulets of the inflow region of the Hasper Dam reservoir]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

dispar (GOETGHEBUER, 1913): *Annales de Biologie Lacustre* **6**(2/3): 151 (*Cricotopus*). Type-locality: {Belgique} “dans les bois de Schelderode lez-Gand” [= in the forest of Schelderode lez-Gand] Belgique = Belgium].

sylvaticus (GOETGHEBUER, 1937): *Bulletin et Annales de la Société Entomologique de Belgique* **77**(6): 274 (*Trichocladius*). Type-locality: “dans les bois de Melle, . . . (Belgique)” [= in the forest of Melle, . . . (Belgium)].

inaquereus SASA, KITAMI & SUZUKI, 2001: *Memoirs of the Museum of Dr. Hideyo Noguchi*: 19 (*Rheocricotopus*). Type-locality: [Abstract, p. 2] “on the shore of Lake Inawashiro . . . Japan”. — Distr.: **PA**: Japan.

inaxeyeus SASA, KITAMI & SUZUKI, 2001: *Memoirs of the Museum of Dr. Hideyo Noguchi*: 19 (*Rheocricotopus*). Type-locality: [Abstract, p. 2] “on the shore of Lake Inawashiro . . . Japan”. — Distr.: **PA**: Japan.

nepalensis LEHMANN, 1969: *Archiv für Hydrobiologie* **66**(3): 362 (*Rheocricotopus*). Type-locality: “Nepal, 27°57' N. 84°59' E”. — Distr.: **OR**: Nepal.

orientalis WANG, 1995: *Aquatic Insects* **17**(1): 37 (*Rheocricotopus* (*Rheocricotopus*)). Type-locality: “China; Guangdong, Fengkai, Heishiding natural conservation”. —

Distr.: **OR**: China (Guangdong).

- pauciseta** SÆTHER, 1969: *Bulletin of the Fisheries Research Board of Canada* **170**: 89 (*Rheocricotopus*). Type-locality: [Canada] “small mountain stream, . . . Marion Lake, University of British Columbia Forestry Farm, Haney, B.C.” [B.C. = British Columbia]. — Distr.: **NE**: Canada (Alberta, British Columbia), U.S.A. (North Carolina); **PA**: Russia (Far East).
- reduncus** SÆTHER & SCHNELL, 1988: *Spixiana Supplement* **14**: 66 (*Rheocricotopus* (*Rheocricotopus*)). Type-locality: “Viva, Jostedøla River at inlet to small lake, Luster, Sogn & Fjordane, Norway”. — Distr.: **PA**: Finland, Norway, Russia (Far East).
- shofukusecundus** SASA, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 30 (*Rheocricotopus*). Type-locality: {Japan} [Abstract, p. 14] “in the Shofuku Garden, . . . about 1 km from the mouth of Kurobe River”. — Distr.: **PA**: Japan.
- tamahumeralis** SASA, 1981: *Research Report from the National Institute for Environmental Studies* **29**: 92 (*Rheocricotopus*). Type-locality: {Japan, Tama River} “Station No. 2 of Minamiasakawa River”. — Distr.: **PA**: Japan.
- tatequintus** SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (December)**: 32 (*Rheocricotopus*). Type-locality: [Japan] [p. 31] “on the slope of Mount Tate”. — Distr.: **PA**: Japan.
- tedorisecundus** (SASA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 51 (*Pseudosmittia*). Type-locality: {Japan} [p. 50] “on the shore of Lake Tedoru at Shiramine”. — Distr.: **PA**: Japan.
- tibialis** WANG & ZHENG, 1991: *Acta Zootaxonomica Sinica* **16**(1): 99 (*Rheocricotopus*). Type-locality: [p. 104, English Summary] {China} “Sichuan Province (Mt. Jinfo, 29.0°N, 107.1°E, 1800 m.)”. — Distr.: **OR**: China (Sichuan).
- togapeniculus** SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 104 (*Rheocricotopus* (*Rheocricotopus*)). Type-locality: [Japan] [Introduction, p. 92] “Toga-mura . . .

in the southern mountainous part of Toyama Prefecture”; [p. 104] “Toga River”.

— Distr.: **PA**: Japan.

togapeniculus SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 119 (*Rheocricotopus*).

Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

tshernovskii MAKARCHENKO & MAKARCHENKO, 2005: *Evrziatskii Entomologicheskii Zhurnal* **4**(2): 134 (*Rheocricotopus* (*Rheocricotopus*)). Type-locality: {Russia, Far East} **OSTROV SAKHALIN: Noglikskii r-n, bassein r. Chamgu (vostochnoe poberzh'e), za Chamginskii perevalom, ruhei Khrebtovyi, okolo 743 m n.u.m** [= Sakhalin Island, Nogliksky District, basin of the River Chamgu (eastern seacoast), behind Chamginskii mountain pass, Khrebtovyi stream, about 743 metres above sea-level]. — Distr.: **PA**: Russia (Far East).

tuberculatus CALDWELL, 1984: *Georgia Journal of Science* **42**: 84 (*Rheocricotopus*). Type-locality: [U.S.A.] “Rockdale County, Georgia, Millrock Branch at Haralson Mill Road 83° 57' 24" N, 30° 45' 41" W”. — Distr.: **NE**: Canada (Ontario), U.S.A. (Florida, Georgia, North Carolina, South Carolina, Tennessee).

unidentatus SÆTHER & SCHNELL, 1988: *Spixiana Supplement* **14**: 68 (*Rheocricotopus* (*Rheocricotopus*)). Type-locality: “spring stream, Camp Lazarus, Delaware Co., Ohio, U. S. A.”. — Distr.: **NE**: Canada (Ontario), U.S.A. (North Carolina, Ohio).

yakulemeus SASA & SUZUKI, 2000: *Tropical Medicine* **42**(2): 69 (*Rheocricotopus*). Type-locality: {Yakushima Island, Southwestern Japan} “Nagata”. — Distr.: **PA**: Japan.

Subgenerically unplaced species of RHEOCRICOTOPUS

- sp.: ROBACK & COFFMAN, 1983: *Proceedings of the Academy of Natural Sciences of Philadelphia* **135**: 40 (*Rheocricotopus*). Localities: “PERU: BP 22a . . . BP 22b . . . BP 22c” [= Small springs just below Hotel Tourista at Machupicchu . . . A—alt. 2200 m, B—alt. 2200 m, C—alt. 2000 m]. — Distr.: **NT**: Peru. [**Note**]
- sp.: COFFMAN, YURASITS & DE LA ROSA, 1988: *Spixiana Supplement* **14**: 85 (*Rheocricotopus*). Locality: “South India”. — Distr.: **OR**: India (Kerala or Tamil Nadu).
- sp.: CRANSTON, OLIVER & SÆTHER, 1989: *Entomologica Scandinavica Supplement* **34**: 235 (*Rheocricotopus*). Locality: “Puerto Rico”. — Distr.: **NT**: Puerto Rico.
- sp.: OSPINA-TORRES, RISS & RUIZ, 1999: *Insectos de Colombia II*: 376, 380 (*Rheocricotopus*). Locality: {Colombia} “Sabana de Bogotá”. — Distr.: **NT**: Colombia.
- sp. 1: HAASE & NOLTE, 2008: *Ecological Indicators* **8**(5): 607 (*Rheocricotopus*). Locality: [Title] “streams in southeast Queensland, Australia”. — Distr.: **AU**: Australia (Queensland).

Nomina dubia in RHEOCRICOTOPUS

- barbatus* (CÎNDEA, 1954): *Buletin Științific Academia Republicii Populare Române* **6**(1): 309 (*Orthocladus*). Type-localities: {Romîne} [= Romania] “în bazinul Bistrița în patru puncte (Bistricioara-aval Grințieșul Mare” [= in the Bistrița basin in four locations (Bistricioara-aval Grințieșul Mare]; “Bistricioara-aval Putna”; “Borsec”; “Grințieșul Mare”; “în două locuri în Munții Apuseni (Pîrîul Disghita, afluent al Arieșului Mare” [= in two places in the Apuseni Mountains (Disghita brook, a tributary of Arieșului Mare]; “Izvorul Iarba Rea”; “în pîrîul Repede ce se varsă în Siret la nord de Bacău” [= in the fast flowing brook in Siret north of Bacău].

Unavailable names in RHEOCRICOTOPUS

- togadentatus* SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 119 (*Rheocricotopus*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**
- togaparvulus* SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 119 (*Rheocricotopus*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**
- uresiovatus* SASA, 1989: *Research Report Toyama Prefectural Environmental Pollution Research Center* **1989**: 76, 83 (*Rheocricotopus*). Locality: {Japan} [p. 75] “Ureshino River, Saga”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

Genus **RHEOSMITTIA** BRUNDIN

- RHEOSMITTIA** BRUNDIN in CRANSTON & SÆTHER, 1986: *Journal of Natural History* **20**(1): 33. Type-species: *Parakiefferiella (Rheosmittia) spinicornis* Brundin, 1956, by original designation.
- RHEOSMITTIA** BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 150 (as subgenus of *Parakiefferiella* Thienemann, 1936). Type-species: Not given. Name not made available - not accompanied by the fixation of a type-species contrary to Article 13.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**
- TSHERNOVSKIELLA** ZVEREVA, 1950: *Entomologicheskoe Obozrenie* **31**(1/2): 272. Type-

species: Not given. Name not made available - not accompanied by fixation of a type-species contrary to Article 13.3 of the Zoological Code (ICZN, 1999, 4th Edition).

Nomen nudum. Synonymized with *Rheosmittia* Brundin, 1986, by Cranston, Oliver & Sæther (1983: *Entomologica Scandinavica Supplement 19*: 195). [**Note**]

TSCHERNOVSKIELLA: incorrect subsequent spelling.

arcuata CALDWELL, 1996: *Hydrobiologia* **328**(1): 1 (*Rheosmittia*). Type-locality: [U.S.A.]

“Stephens Co., Georgia, Eastanollee Creek, Georgia Hwy. 17”. — Distr.: **NE**: U.S.A. (Georgia, North Carolina, South Carolina); **PA**: Russia (Far East).

hamulata CASPERS & REISS, 1989: *Entomofauna* **10**(8): 142 (*Rheosmittia*). Type-locality:

“Ovit-Pass S Ikizdere, 1500 m über NN (Provinz Rize, Nordosttürkei)” [= Ovit Pass south of Ikizdere, 1500 metres above sea-level (Rize Province, north-east Turkey)]. — Distr.: **PA**: Turkey.

languida (BRUNDIN, 1956): *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 156 (*Parakiefferiella* (*Rheosmittia*)). Type-locality:

“Norwegen, Jotunheimen: . . . im Hochbirgsflusss Leirungsaae bei Gjendesheim, 1120 m” [= Norway, Jotunheimen: . . . in the high mountain river Leirungsaae near Gjendesheim, 1120 metres] [Lectotype designated in Cranston & Sæther, 1986: *Journal of Natural History* **20**(1): 45, “Norway, Jotunheimen, Gjendesheim, the river Leirungså, elevation 1120m”]. — Distr.: **PA**: Finland, France, Germany, Norway, Poland, Romania, Russia (NET, East Siberia, Far East), Slovakia.

spinicornis (BRUNDIN, 1956): *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 154 (*Parakiefferiella* (*Rheosmittia*)). Type-locality:

“Schweden, Schonen: . . . im Värke-Fluss bei Brösarp” [= Sweden, Skåne: . . . in the River Värke at Brösarp] [Lectotype designated in Cranston & Sæther, 1986: *Journal of Natural History* **20**(1): 40, “Sweden, Skåne, River Värke at Brösarp”]. — Distr.: **PA**: Austria, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Mongolia, Norway, Romania, Russia (East Siberia, Far East), Slovakia, Spain, Sweden, Tunisia, Turkey.

yakytriangulata (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(2): 89 (*Parakiefferiella*).

Type-locality: {Yakushima Island, Southwestern Japan} “Yakusugi Land”. —

Distr.: **PA**: Japan. [**Note**]

sp.: CRANSTON & SÆTHER, 1986: *Journal of Natural History* **20**(1): 50 (*Rheosmittia*).

Locality: “China (Jilin Province, Erdaobaine, near Songjiang)”. — Distr.: **PA**: China (Jilin).

sp.: CRANSTON & SÆTHER, 1986: *Journal of Natural History* **20**(1): 50 (*Rheosmittia*).

Locality: “southern India”. — Distr.: **OR**: India.

sp.: COFFMAN, YURASITS & DE LA ROSA, 1988: *Spixiana Supplement* **14**: 85

(*Rheosmittia*). Locality: “South India”. — Distr.: **OR**: India (Kerala or Tamil Nadu).

sp.: OLIVER, DILLON & CRANSTON, 1990: *Agriculture Canada, Publication* **1857/B**: 37

(*Rheosmittia*). Locality: “Widespread NE” [= widespread in Nearctic Region]. — Distr.: **NE**: Canada (Alberta, Yukon Territory), U.S.A. (Florida, Kansas, Montana, Washington).

Unavailable names in RHEOSMITTIA

ardica (DIMITROV, 1963): *Izvestiya na opitnata Stantsiya po sladkovodno Ribarstvo Plovdiv* **2**: 14 (as “Orthocladiinae gen. ? 1.”). Locality: {Bulgaria} **v r. Arda pri s. Smilyan, Smolyansko** [= in the River Arda near the village of Smilyan, Smolyan]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum** .

delicatula (BOTNARIUC & CURE, 1956): *Analele Institutului de Cercetari Piscicole al Romaniei* **17**: 264 (as “Orthocladiinae gen? 1.”). Localities: {Romîne} [= Romania] “în apa potabilă din rețeaua de conducte din București” [= in the drinking water pipeline network in Bucharest]; “în râul Cerna, la 1 km amonte de Hunedoara” [= in the River Cerna, 1 kilometre upstream of Hunedoara]; “pîrăul Gotul, afluent Sebeșului” [= Gotul stream, tributary of the River Sebeș]. Name

not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition).
Nomen nudum.

Genus **RHINOCLADIUS** EDWARDS

RHINOCLADIUS EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 268.

Type-species: *Rhinocladius culicinus* Edwards, 1931, by original designation.

culicinus EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 271 (*Rhinocladius*).

Type-locality: [Argentina] “L. Correntoso”. — Distr.: **NT**: Argentina, Chile.

longirostris EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 270

(*Rhinocladius*). Type-locality: [Chile] “Casa Pangué”. — Distr.: **NT**: Chile.

tonnoiri FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 662 (*Rhinocladius*). Type-

locality: {Australia} “Mt. Wellington, Tas. [Tas. = Tasmania]. — Distr.: **AU**: Australia (Tasmania, Victoria).

Genus **SAETHERIELLA** HALVORSEN

SAETHERIELLA HALVORSEN, 1982: *Aquatic Insects* **4**(3): 132. Type-species:

Saetheriella amplicristata Halvorsen, 1982, by original designation.

amplicristata HALVORSEN, 1982: *Aquatic Insects* **4**(3): 133 (*Saetheriella*). Type-locality:

“spring on Rt. 441, 12 miles southeast of Gatlinburg, Sevier Co., Tennessee, U.S.A.”. — Distr.: **NE**: U.S.A. (Tennessee).

Genus **SAETHEROCLADIUS** ANDERSEN & MENDES

SAETHEROCLADIUS ANDERSEN & MENDES, 2007: *Contributions to the Systematics*

and Ecology of Aquatic Diptera: 48. Type-species: *Saetherocladius hirtus* Andersen & Mendes, 2007, by original designation.

fuscus ANDERSEN, MENDES & PINHO, 2010: *Zootaxa* **2608**: 47 (*Saetherocladius*). Type-

locality: “Brazil: Santa Catarina State, Urubici, Morro da Igreja, 1.822 m a.s.l.”. — Distr. **NT**: Brazil.

- fusticulus** ANDERSEN, MENDES & PINHO, 2010: *Zootaxa* **2608**: 49 (*Saetherocladus*).
Type-locality: “Brazil: São Paulo State, Parque Estadual Intervales, Ribeirão Grande, Barra Grande, 24°15'S, 48°10'W”. — Distr. **NT**: Brazil.
- hirtus** ANDERSEN & MENDES, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 48 (*Saetherocladus*). Type-locality: “BRAZIL: São Paulo State, Parque Estadual de Picinguaba, Ubatuba, 23°20'15” S 44°50'14” W, near small forest stream”. — Distr. **NT**: Brazil.
- triangulatus** ANDERSEN, MENDES & PINHO, 2010: *Zootaxa* **2608**: 51 (*Saetherocladus*).
Type-locality: “Brazil: São Paulo State, Parque Estadual Intervales, Ribeirão Grande, Barra Grande”. — Distr. **NT**: Brazil.
- urubiciensis** ANDERSEN, MENDES & PINHO, 2010: *Zootaxa* **2608**: 53 (*Saetherocladus*).
Type-locality: “Brazil: Santa Catarina State, Urubici, Morro da Igreja, 1.822 m a.s.l.”. — Distr. **NT**: Brazil.

Genus **SAETHEROCRYPTUS** ANDERSEN & MENDES, 2007

- SAETHEROCRYPTUS** ANDERSEN & MENDES, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 33. Type-species: *Saetherocryptus clavatus* Andersen & Mendes, 2007, by original designation.
- clavatus** ANDERSEN & MENDES, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 35 (*Saetherocryptus*). Type-locality: “BRAZIL: São Paulo State, Parque Estadual Intervales (PEI), Gruta, Barra Bonita, canopy, 24°32' S 48°42' W, 260 m a.s.l.”. — Distr. **NT**: Brazil.
- temimino** ANDERSEN, MENDES & PINHO, 2012: *Biota Neotropica* **11**(4): 74 (*Saetherocryptus*). Type-locality: “Brazil, São Paulo State, Salesópolis, Estação Biológica Boracéia, córrego Coruja”. — Distr.: **NT**: Brazil.

Genus **SAETHEROLABIS** ANDERSEN & MENDES

- SAETHEROLABIS** ANDERSEN & MENDES, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 40. Type-species: *Saetherolabis pectinata* Andersen &

Mendes, 2007, by original designation.

iperuype ANDERSEN, MENDES & PINHO, 2012: *Zootaxa* **3300**: 63 (*Saetherolabis*). Type-locality: “BRAZIL, São Paulo State, Peruibe, Estação Ecológica Juréia-Itatins, 24°31'06"S 47°12'06"W”. — Distr.: **NT**: Brazil.

pectinata ANDERSEN & MENDES, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 43 (*Saetherolabis*). Type-locality: “BRAZIL: Amazonas State, Manaus . . . 2°25' S 60° W, 80-110 m a.s.l.”. — Distr. **NT**: Brazil.

siriype ANDERSEN, MENDES & PINHO, 2012: *Zootaxa* **3300**: 65 (*Saetherolabis*). Type-locality: “BRAZIL, Sergipe State, Areia Branca, Serra Itabaiana, riacho Coqueiro”. — Distr.: **NT**: Brazil.

Genus **SAETHEROPS** ANDERSEN & MENDES

SAETHEROPS ANDERSEN & MENDES, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 37. Type-species: *Saetherops bidentata* Andersen & Mendes, 2007, by original designation.

bidentata ANDERSEN & MENDES, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 39 (*Saetherops*). Type-locality: “BRAZIL: Amazonas State, Manaus . . . 2°25' S 60° W, 80-110 m a.s.l.”. — Distr. **NT**: Brazil.

Genus **SASACRICOTOPUS** KOBAYASHI & SÆTHER

SASACRICOTOPUS KOBAYASHI & SÆTHER, 1999: *Acta Zoologica Academiae Scientiarum Hungaricae* **45**(2): 155. Type-species: *Nanocladius jintusecundus* Sasa, 1990, by original designation.

jintusecundus (SASA, 1990): *Research Report Toyama Prefectural Environmental Pollution Research Center* **1990**: 37 (*Nanocladius*). Type-locality: {Japan, Toyama, Jintsu River} “at No.8, Jintsu-Ouhashi, Toyama-shi”. — Distr.: **PA**: Japan, Russia (Far East).

Genus **SEMIOCLADIUS** SUBLETTE & WIRTH

SEMIOCLADIUS SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 318.

Type-species: *Camptocladius crassipennis* Skuse, 1889, by original designation.

HAHAYUSURIKA SASA & SUZUKI, 1997: *Medical Entomology and Zoology* **48**(4): 332.

Type-species: *Hahayusurika ogasaundecima* Sasa & Suzuki, 1997 [= *Spaniotoma* (*Smittia*) *endocladiae* Tokunaga, 1936], by original designation. Synonymized with *Semiocladius* Sublette & Wirth, 1980, by Yamamoto (2004: *Makunagi* **21**: 95).

brevicornis (TOKUNAGA, 1964): *Insects of Micronesia* **12**(5): 518 (*Smittia*). Type-locality: [Belau] “Angaur I., Palau”. — Distr.: **AF**: Seychelles; **AU**: Belau; **OC**: Federated States of Micronesia Micronesia.

crassipennis (SKUSE, 1889): *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 264 (*Camptocladius*). Type-locality: {Australia} “Rodd Island, Port Jackson”. — Distr.: **AU**: Australia (Lord Howe Island, New South Wales).

endocladiae (TOKUNAGA, 1936): *Philippine Journal of Science* **60**(3): 312 (*Spaniotoma* (*Smittia*); as “*endocladiae*”). Type-locality: “Japan . . . Seto, Wakayama Prefecture”. — Distr.: **PA**: China (Shandong), Japan; **OC**: Bonin Islands.

ogasaundecimus (SASA & SUZUKI, 1997): *Medical Entomology and Zoology* **48**(4): 332 (*Hahayusurika*). Type-locality: {Japan, Ogasawara Islands} “Hahajima”.

kuscheli SUBLETTE & WIRTH, 1980: *New Zealand Journal of Zoology* **7**: 319 (*Semiocladius*). Type-locality: {New Zealand} “Auckland Is, Adams I., Fairchild’s Garden”. — Distr.: **AU**: New Zealand (Antipodes Islands, Auckland Islands, Campbell Island).

reinga (LEADER, 1975): *New Zealand Journal of Zoology* **2**(2): 211 (*Smittia*). Type-locality: {New Zealand} “Coopers Beach, Mangonui, Auckland Prov.”. — Distr.: **AU**: New Zealand (North Island).

whangaroa (LEADER, 1975): *New Zealand Journal of Zoology* **2**(2): 213 (*Smittia*). Type-locality: [Introduction] “seashore of New Zealand”. — Distr.: **AU**: New Zealand (North Island). [Note]

Genus **SMITTIA** HOLMGREN

SMITTIA HOLMGREN, 1869: *Kungliga Svenska VetenskapsAkademiens Handlingar* **8**(5):

47. Type-species: *Chironomus brevipennis* Boheman, 1865, by monotypy.

PHAENOCLADIUS KIEFFER in THIENEMANN, 1921: *Archiv für Hydrobiologie Supplement* **2**(4): 845. Type-species: *Phaenocladus foliatus* (Kieffer, 1906) sensu Kieffer in Thienemann (1921) [= *Smittia aterrima* (Meigen, 1818)], by original designation, a misidentification of *Camptocladus foliatus* Kieffer, 1906; the taxonomic species involved in the misidentification is selected as type species here in accordance with ICZN (1999) Code Art. 70.3. Synonymized with *Smittia* Holmgren, 1869, by Goetghebuer (1932: *Faune de France* **23**: 114). [Note]

EUPHAENOCLADIUS THIENEMANN, 1934: *Encyclopédie Entomologique, B-II, Diptera* **7**: 31. Type-species: *Euphaenocladus foliatus* (Kieffer, 1906) sensu Thienemann (1934) [= *Smittia aterrima* (Meigen, 1818)], by original designation, a misidentification of *Camptocladus foliatus* Kieffer, 1906; the taxonomic species involved in the misidentification is selected as type species here in accordance with ICZN (1999) Code Art. 70.3. Objective, permanent junior synonym of *Phaenocladus* Kieffer, 1921 due to identical type species. Synonymized with *Smittia* Holmgren, 1869, by Brundin (1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 146). [Note]

abiskoensis GOETGHEBUER, 1940: *Bulletin et Annales de la Société Entomologique de Belgique* **80**(1): 65 (*Smittia*). Type-locality: [Introduction, p. 55] “aux environs d’Abisko, en Laponie Suédoise” [= in the vicinity of Abisko, in Swedish Lapland]; [p. 66] “près d’un étang” [= near a pond]. — Distr.: **PA**: Sweden.

abruzzae ROSSARO & LENCIONI, 2000: *Bollettino di Zoologia Agraria e Bachicoltura*, (Ser. II) **32**(2): 100 (*Smittia*). Type-locality: [Italy], “a spring near Pescasseroli, P. N. Abruzzi”. — Distr.: **PA**: ?Finland, Italy.

admiranda MAKARCHENKO & MAKARCHENKO, 2003: *Chteniya Pamyati Vladimira Yakovlevicha Levanidova* **2**: 215 (*Smittia*). Type-locality: {Russian Far East} **Primorskii kr., Khasanskii r-n, zapovednik "Kedrovaya pad" ", r. Kedrovaya v

r-ne usad'by** [= Primorsky Krai, Khasansky District, "Kedrovaya pad' " Nature Reserve, River Kedrovaya in the region of the farm]. — Distr.: **PA**: Russia (Far East).

akanduodecima SASA & KAMIMURA, 1987: *Research Report from the National Institute for Environmental Studies* **104**: 42 (*Smittia*). Type-locality: {Akan National Park, Hokkaido, Japan} “shore of Lake Panke”. — Distr.: **PA**: Japan, Russia (NET, Far East).

alpicola GOETGHEBUER, 1941: *Bulletin du Musée Royal d'Histoire Naturelle de Belgique* **17(37)**: 5 (*Smittia*). Type-locality: [Austria] “Alpes tyroliennes” [= Tyrolean Alps]. — Distr.: **PA**: Austria, France, Germany, Italy.

alpilonga ROSSARO & LENCIONI, 2000: *Bollettino di Zoologia Agraria e Bachicoltura*, (Serie II) **32(2)**: 102 (*Smittia*). Type-locality: [Italy] “Veney valley, st. 2 near Rifugio Elisabetta, Estellette glacial stream, Mont Blanc”. — Distr.: **PA**: Austria, Italy.

amoena CASPERS, 1988: *Spixiana Supplement* **14**: 179 (*Smittia*). Type-locality: [Germany] “Kiesbänke in der Flußbaue der Donau bei Gerolfing (Nähe Ingolstadt, Bundesrepublik Deutschland)” [= gravel bars in the floodplain of the Danube at Gerolfing (near Ingolstadt, Federal Republic of Germany)]. — Distr.: **PA**: Germany, Great Britain, Ireland, ?Italy.

antelobata ALBU, 1970: *Studii și Cercetări de Biologie, Série de Zoologie* **22(2)**: 101 (*Smittia*). Type-localities: [Romania] “Cazanele Mici”; “Șepilea, valea Cernei” [=Șepilea, Cernei Valley]. — Distr.: **PA**: Romania.

arctica MALLOCH, 1923: *North American Fauna* **46**: 175 (*Smittia*). Type-locality: [U.S.A.] {Alaska} “St. Paul Island”. — Distr.: **NE**: U.S.A. (Alaska).

aterrima (MEIGEN, 1818): *Systematische Beschreibung* **1**: 47 (*Chironomus*). Type-locality: [Title] “europäischen” [= European]. — Distr.: **NE**: Canada (Northwest Territories, Ontario), Greenland, U.S.A. (Arkansas, Florida, Illinois, Kentucky, Michigan, Mississippi, New Jersey, New Mexico, New York, North Carolina, South Carolina); **PA**: Austria, Azores, Belgium, Bosnia and Herzegovina,

Bulgaria, Canary Islands, Croatia, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Hungary, Iceland, Ireland, Italy, Japan, Latvia, Madeira, Mongolia, Netherlands, Norway, Poland, Romania, Russia (CET, NET, East Siberia, Far East), Spain, Sweden, Switzerland, Ukraine; **OR**: China (Fujian, Zhejiang), India (West Bengal); **AU**: Australia (Australian Capital Territory, New South Wales, Queensland, Tasmania, Victoria, Western Australia).

opaca (MEIGEN, 1830): *Systematische Beschreibung* **6**: 249 (*Chironomus*). Type-locality: [Title] “europäischen” [= European].

nigrata (WALKER, 1856): *Insecta Britannica Diptera* **3**: 184 (*Chironomus*). Type-locality: [Great Britain] “(E.)” [= England].

macleayi (SKUSE, 1889): *Proceedings of the Linnaean Society of New South Wales* (2) **4**: 266 (*Camptocladus*; as “*Macleayi*”). Type-localities: {Australia} “Sydney and other localities in N.S.W.” [N.S.W. = New South Wales].

kisonudianalis SASA & KONDO, 1993: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1993**: 102 (*Smittia*). Type-locality: [Japan] [p. 98] “AT BISAI ON THE SIDE OF KISO RIVER”.

uresiefea SASA & SUZUKI, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 84 (*Smittia*). Type-locality: [Japan] [p. 78] “at Ureshino, Saga . . . at the side of the stream running through the hot spring town of Ureshino”; [p. 84] “at Ureshino”.

yakyquerea SASA & SUZUKI, 2000: *Tropical Medicine* **42**(2): 97 (*Smittia*). Type-locality: {Yakushima Island, Southwestern Japan} “Yakusugi Land”.

sunababecea TANAKA & SASA, 2001: *Tropical Medicine* **43**(1/2): 44 (*Smittia*). Type-locality: [Introduction, p. 39] “Japan . . . Kurobe River”; [Title, p. 39] “Sunaba”.

? *sinuosus* (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 185 (*Trichocladus*). Type-locality: [Introduction] “Allemagne” [= Germany] || ► Type-locality: [Germany, Westphalia] “in der Kleinbahn Haspe-

Breckerfeld” [= in the narrow-gauge Haspe-Breckerfeld railway] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 76 ◀ ||. **Questionable synonym.**

atra FREEMAN, 1954: *Proceedings of the Royal Entomological Society* (B) **23**(9/10): 175 (*Smittia*). Type-locality: [South Africa] “Berg River, Cecilia’s Drift”. — Distr.: **AF**: D.R.Congo, Ethiopia, South Africa, Uganda.

avicorneata CHAUDHURI & BHATTACHARYAY, 1989: *Deutsche Entomologische Zeitschrift* (Neue Folge) **36**(4/5): 414 (*Smittia*). Type-locality: {India} “West Bengal, Darjeeling”. — Distr.: **OR**: India (West Bengal).

betuletorum EDWARDS in THIENEMANN, 1941: *Archiv für Hydrobiologie Supplement* **17**(1/2): 226 (*Smittia*). Type-locality: {Schwedisch-Lappland} [p. 226] “*Boreochlus*-Quelle bei Abisko” [= *Boreochlus* spring near Abisko]; [p. 227] “Abisko . . . Flying near spring in birch wood”. — Distr.: **PA**: Finland, France, Romania, Sweden.

brevipennis (BOHEMAN, 1865): *Öfversigt af Kongl. Vetenskaps-Akademiens Förhandlingar* **22**: 575 (*Chironomus*). Type-locality: [Norway] {Spetsbergen} “Whales Point in Storfjorden” [Spetsbergen = Spitzbergen]. — Distr.: **PA**: Russia (East Siberia), Spitzbergen. [**Note**]

capensis (KIEFFER, 1914): *Annals of the South African Museum* **10**: 261 (*Camptocladius*). Type-locality: {South Africa} “Cape Town”. — Distr.: **AF**: South Africa.

celtica ROSSARO & DELETTRE, 1992: *Annales de la Société Entomologique de France*, (N. S.) **28**(4): 365 (*Smittia*). Type-locality: “Paimpont district (Brittany, France)”. — Distr.: **PA**: France.

contingens (WALKER, 1856): *Insecta Britannica Diptera* **3**: 191 (*Chironomus*). Type-locality: [Great Britain] “(E.)” [= England]. — Distr.: **PA**: Austria, Azores, ?Belgium, Bulgaria, Estonia, France, Germany, Great Britain, Hungary, Ireland, ?Lebanon, Netherlands, Poland, Romania, Russia (CET, ?East Siberia, Far East), Slovakia, Spain, Spitzbergen, ¶Yugoslavia.

? *aquatica* (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**:

184 (*Camptocladius*). Type-locality: [Introduction] “Allemagne” [= Germany] || ► Type-locality: [Germany] “auf der Oberfläche der Heilenbecketalssperre” [= on the surface of the Heilenbecke Dam] in Thienemann, 1911: *Landwirtschaftliche Jahrbücher* **41**: 638 ◀ ||. **Questionable synonym.**

? *aquatilis* (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 88 (*Camptocladius*). Type-localities: {Belgique} [p. 189] “Les Flandres” [= Flanders]; “forêt de Soignes (M. B.)” [= forest of Soignes (Moyenne Belgique)], [Belgique = Belgium]. **Questionable synonym.** [Note]

controversa MAKARCHENKO & MAKARCHENKO, 2005: *Chteniya Pamyati Vladimira Yakovlevicha Levanidova* **3**: 380 (*Smittia*). Type-locality: {Russian Far East, South part of Primorye Territory} **Okhotomorskoe poberezh'e Magadanskoj obl., Tauiskaya guba, r. Chelomdzha** [= Okhotomorskoe seacoast Magadan Oblast, Tauiskaya Bay, River Chelomdzha]. — Distr.: **PA**: Russia (Far East).

crassicollis (WALKER, 1848): *List of the Specimens of Dipterous Insects*: 18 (*Chironomus*). Type-locality: [Canada, Ontario] “St. Martin's Falls, Albany River, Hudson's Bay”. — Distr.: **NE**: Canada (Ontario).

duplicata STRENZKE, 1951: *Archiv für Hydrobiologie Supplement* **18**(4): 684 (*Smittia*). Type-locality: [Introduction, p. 678] “bulgarischen Küste des Schwarzen Meeres” [= Bulgarian coast of the Black Sea], [p. 684] “Varna, . . . im unmittelbar am Meer gelegenen Institut” [= Varna, . . . located directly at the institute by the sea]. — Distr.: **PA**: Bulgaria.

duplicata STRENZKE in CASPERS, 1951: *Hydrobiologia* **3**(2): 155 (*Smittia*). Locality: [Title, p. 131] “bulgarischen Küstenbereich des Schwarzen Meeres” [= Bulgarian coastal zone of the Black Sea], [p. 155] “Varna”. Name not made available – not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

durandae MOUBAYED, 1989: *Hydrobiologia* **185**(2): 93 (*Smittia*). Type-locality: “Yammouneh stream (affluent of Orontes river), Lebanon, rhithral, alt. 1330

m”. — Distr.: **PA**: Lebanon.

edwardsi GOETGHEBUER, 1932: *Faune de France* **23**: 123 (*Smittia* (*Smittia*); based on a described unnamed species in Edwards (1929) on p. 361). Type-locality: [Great Britain] “Angleterre” [= England] || ▶ Type-localities: [Great Britain] “Correin Lochan, Arran”; “Cambridge” in Edwards, 1929: *Transactions of the Entomological Society of London* **77**: 361, in *Smittia* (*Smittia*) as “**S. (S.)** sp. inc. Dull black, . . . ” ◀ ||. — Distr.: **NE**: U.S.A. (New Mexico); **PA**: Austria, Belarus, Finland, Germany, Great Britain, Ireland, Italy, Netherlands, Norway, Poland, Russia (CET, NET, East Siberia), Slovakia, Sweden.

extrema (HOLMGREN, 1869): *Kungliga Svenska VetenskapsAkademiens Handlingar* **8**(5): 40 (*Chironomus*). Type-localities: [Norway] “Hab. in Spetsbergia ad Whales Point” [= Dwells in Spitzbergen, at Whales Point]; “Nordkap”; “Brandewijnebay”. — Distr.: **NE**: Canada (\$Northwest Territories), Greenland; **PA**: ?Jan Mayen Island, Spitzbergen, Russia (NET, East Siberia, Far East).

polaris (KIEFFER in KIEFFER & THIENEMANN, 1919): *Entomologische Mitteilungen* **8**: 112 (*Trichocladius*; as var. of *curvinervis* Kieffer, 1911). Type-locality: “Spitzbergen: Croßbai, Ebelthofhafen, Süßwassertümpel” [= Spitzbergen: Cross Bay, Ebelthof Harbour, freshwater pool].

? *incerta* (BECHER, 1886): *Beobachtungs-Ergebnisse / Die Internationale Polarforschung, 1882-1883*, **3**: 63 (*Chironomus*). Type-locality: [Title] [Norway] “Jan Mayen” [= Jan Mayen Island]. **Preoccupied**. Junior primary homonym of *Chironomus incertus* Walker, 1856 which is a questionable synonym of *Cryptotendipes pseudotener* (Goetghebuer, 1922). [**Note**]

fletcheri FREEMAN, 1956: *Bulletin of the British Museum (Natural History) Entomology* **4**(7): 348 (*Smittia*). Type-locality: “UGANDA: Ruwenzori Range, Mahoma River, 6,700 ft.”. — Distr.: **AF**: Uganda.

flexinervis (KIEFFER in KIEFFER & LUNDBECK, 1911): *Avifauna Spitzbergensis*: 272 (*Trichocladius*; as “*Thrichocladius*”). Type-locality: [Norway] “Bären-Insel, Kap Ruth” [= Bear Island, Cape Ruth]. — Distr.: **PA**: Bear Island, Estonia,

Spitzbergen.

longicosta (EDWARDS, 1922): *Annals and Magazine of Natural History* (9) **10**: 201 (*Camptocladius*). Type-locality: [Norway] “Bear Island: Walrus Bay, S.E. of island . . . c. 20-50 ft.”.

foliosa (KIEFFER in THIENEMANN, 1921): *Archiv für Hydrobiologie Supplement* **2**(4): 845 (*Phaenocladius*; as nom. nov. for *Trichocladius foliatus* Kieffer, 1921 nec *Camptocladius foliatus* Kieffer, 1906 when both in *Phaenocladius* Kieffer, 1921). — Distr.: **PA**: Belgium, ?Estonia, Finland, France, Germany, Great Britain, Italy, Kaliningrad, Lebanon, Netherlands, Ukraine. [Note]

foliata (KIEFFER, 1921): *Archiv für Hydrobiologie Supplement* **2**(4): 799 (*Trichocladius*). Type-locality: [Germany] “Eifel”. **Preoccupied**. Junior secondary homonym of *Camptocladius foliatus* Kieffer, 1906 when both in *Phaenocladius* or *Smittia* (*C. foliatus* Kieffer, 1906 is now a nomen dubium in *Smittia*; see there).

gunmaquinta SASA & TANAKA, 1998: *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **30**: 42 (*Smittia*). Type-locality: {Japan} “at the side of the Kiryu River”. — Distr.: **PA**: Japan.

gusukuensis SASA & HASEGAWA, 1988: *Japanese Journal of Sanitary Zoology* **39**(3): 252 (*Smittia*). Type-locality: {Ryukyu Islands, southern Japan} “Tamagusuku, Okinawa Island”. — Distr.: **OR**: Japan (Ryukyu Archipelago).

hidakaijea SASA & SUZUKI, 2001: *Tropical Medicine* **42**(3/4): 191 (*Smittia*). Type-locality: {Hokkaido, Japan} [p. 178] “in the Hidaka Mountain areas”; [p. 191] “Shizunai River”. — Distr.: **PA**: Japan.

indica CHAUDHURI & BHATTACHARYAY, 1989: *Deutsche Entomologische Zeitschrift* (Neue Folge) **36**(4/5): 415 (*Smittia*). Type-locality: {India} “West Bengal, Darjeeling”. — Distr.: **OR**: India (West Bengal).

insignis BRUNDIN, 1947: *Arkiv för Zoologi* **39A**: 45 (*Smittia*). Type-locality: {Sweden} “Jmtl. St. Blåsjön . . . am Seeufer in der Nähe der Mündung des Södra älven” [= Jämtland, Stora Blåsjön . . . on the lake shore near the mouth of the Södra

River]. — Distr.: **PA**: Japan, Russia (Far East), Sweden.

hakusansecunda SASA & OKAZAWA, 1994: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 69 (*Smittia*). Type-locality: [Japan] [p. 68] “at a site of about 2,000 m high from sea level on the slope of Mount Hakusan (Ishikawa)”.

uresideea SASA & SUZUKI, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 83 (*Smittia*). Type-locality: [Japan] [p. 78] “at Ureshino, Saga . . . at the side of the stream running through the hot spring town of Ureshino”; [p. 83] “at Ureshino”.

itachipennis SASA & KAWAI, 1987: *Bulletin of the Toyama Science Museum* **10**: 60 (*Smittia*). Type-locality: {Japan, Stream Itachigawa, Toyama} “on the shore of the Itachigawa”. — Distr.: **PA**: Japan.

joganbrevicosta SASA & OKAZAWA, 1991: *Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 62 (*Smittia*). Type-locality: {Joganji River, Toyama, Japan} [p. 62] “at St.3” [= “Magawa River” on p. 53]. — Distr.: **PA**: Japan, Russia (Far East).

kisoquadrata SASA & KONDO, 1994: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 134 (*Smittia*). Type-locality: {Japan} “on the shore of the Kiso River at Bisai”. — Distr.: **PA**: Japan.

kojimagrandis SASA, 1989: *Research Report from the National Institute for Environmental Studies* **125**: 148 (*Smittia*). Type-locality: {Japan} “on the shore of Lake Kojimako (Okayama)”. — Distr.: **PA**: Japan.

kribiensis (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 186 (*Camptocladius*). Type-locality: “Cameroun : Kribi” [Cameroun = Cameroon]. — Distr.: **AF**: Cameroon.

kurobepubeocula (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 69 (*Paralimnophyes*). Type-locality: [Japan] [p. 66] “Kurobe River area”, [p. 69] “Aimoto Bridge”. — Distr.: **PA**: Japan.

lasiophthalma (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 509 (*Camptocladius*). Type-locality: [U.S.A.] “Dubois, Ill.” [Ill. = Illinois] [Lectotype designation in Frison, 1927: *Bulletin of the Illinois State Natural History Survey* **16**: 163, [U.S.A.] “Dubois, Illinois, along creek valley”]. — Distr.: **NE**: U.S.A. (Illinois); **PA**: Jan Mayen Island.

lasiophthalma: incorrect subsequent spelling.

lasiops (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**: 508 (*Camptocladius*). Type-locality: Type-locality: [U.S.A.] “Urbana, Ill., . . . near house in city” [Ill. = Illinois] [Lectotype designation in Frison, 1927: *Bulletin of the Illinois State Natural History Survey* **16**: 164, [U.S.A.] “Urbana, Illinois, about garbage near house”]. — Distr.: **NE**: U.S.A. (Florida, Illinois); **PA**: Spitzbergen.

leucopogon (MEIGEN, 1804): *Klassifikation und Beschreibung der europäischen zweiflügligen insekten* **1**: 17 (*Chironomus*). Type-locality: [Title] “europäischen” [= European]. — Distr.: **PA**: Austria, Belarus, Belgium, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Japan, Lebanon, Lithuania, Mongolia, Netherlands, Norway, Poland, Russia (CET, NET, Far East), Sweden, ?Switzerland.

longivirga MAKARCHENKO & MAKARCHENKO, 2011: *Evraziatskii Entomologicheskii Zhurnal* **10**(3): 393 (*Smittia*). Type-locality: {Russia} **Khabarovskii kr., Komsomol'skii r-n, r. Él'ban (bass. r. Amur)** [= Khabarovsk Krai, Komsomol'sky District, River Él'ban (basin of the River Amur)]. — Distr.: **PA**: Russia (Far East).

macrura GOETGHEBUER, 1932: *Faune de France* **23**: 120 (*Smittia* (*Smittia*)). Type-locality: “Belgique” [= Belgium]. — Distr.: **PA**: Belgium, Germany.

maculipennis GOETGHEBUER, 1936: *Revue de Zoologie et de Botanique Africaines* **28**: 492 (*Smittia*). Type-locality: [Democratic Republic of the Congo] “N. Kivu : Kibati”. — Distr.: **AF**: D.R.Congo, Ethiopia, Kenya.

mahensis (KIEFFER, 1911): *Transactions of the Linnean Society of London (2nd Series,*

- Zoology* **14**: 361 (*Dactylocladius*). Type-locality: “Seychellen. Mahé: Anonyme Island” [Seychellen = Seychelles]. — Distr.: **AF**: Seychelles. [**Note**]
- mauiensis** (HARDY, 1960): *Insects of Hawaii* **10**: 141 (*Orthocladius* (*Smittia*)). Type-locality: {Hawaiian Islands} “Haleakala, near Puu Niania, Maui, 6,200 ft.”. — Distr.: **OC**: Hawaiian Islands (Maui Island).
- megalochira** (KIEFFER, 1911): *Transactions of the Linnean Society of London (2nd Series, Zoology)* **14**: 363 (*Dactylocladius*). Type-locality: “Seychellen. Mahé: scrubby forest vegetation, top of Mount Sebert, 1800 feet or more” [Seychellen = Seychelles]. — Distr.: **AF**: Seychelles.
- niitakana** (TOKUNAGA, 1939): *Philippine Journal of Science* **69**(3): 312 (*Spaniotoma* (*Smittia*)). Type-locality: [Taiwan] “Mount Niitaka, Formosa”. — Distr.: **OR**: Taiwan.
- nudipennis** (GOETGHEBUER, 1913): *Annales de Biologie Lacustre* **6**(2/3): 166 (*Camptocladius*). Type-locality: {Belgique} “à Gand” [Belgique = Belgium]. — Distr.: **PA**: Belgium, China (Henan, Jilin, Liaoning), Czech Republic, Finland, France, Germany, Great Britain, Ireland, Italy, Japan, Kaliningrad, Lithuania, Madeira, Mongolia, Netherlands, Norway, Poland, Russia (CET, NET, Far East), South Korea, Sweden, Ukraine.
- nudipennis*: **Not Oriental**.
- yakuresea* SASA & SUZUKI, 2000: *Tropical Medicine* **42**(2): 97 (*Smittia*). Type-locality: {Yakushima Island, Southwestern Japan} “Yakusugi Land”.
- paranudipennis** BRUNDIN, 1947: *Arkiv för Zoologi* **39A**: 44 (*Smittia*). Type-locality: {Sweden} “Sm. Skärshultsjön” [Sm. = Småland]. — Distr.: **PA**: Austria, Finland, France, Germany, Netherlands, Sweden.
- parva** (LUNDBECK, 1898): *Videnskabelige Meddelelser fra Dansk Naturhistorisk Forening i Kjøbenhavn* **5**: 275 (*Chironomus*). Type-localities: “Syd- og Nordgrønland: Ivigtut, Holstensborg, Sydostbugten” [= south and north Greenland: Ivigtut, Holstensborg, south-east bay] [Lectotype designated in Oliver, 1970: *Entomologica Scandinavica* **1**(2): 107, “Kangersuak, Greenland”]. — Distr.:

NE: Greenland.

- polaris** (KIEFFER, 1926): *Norsk Entomologisk Tidsskrift* **2**: 85 (*Camptocladus*). Type-locality: [Canada, Nunavut, Ellesmere Island] “Havnen” [= Harbour Fjord]. — Distr.: **NE:** Canada (Nunavut); **PA:** Novaya Zemlya, Spitzbergen..
- polymorpha** ANDERSEN, 1937: *Meddelelser om Grønland* **116**(1): 76 (*Smittia*). Type-localities: {Nordost-Grönlands} “Kløftelven”; “Kap Humbolt” [= Cape Humbolt]; “Rundsee, Ellainsel” [= Round Lake, Ella Island]; “Südende von Kongeborgen” [= South end of Kongeborgen]; “Kap Oswald, Ellainsel” [= Cape Oswald, Ella Island]; “Ellainsel” [= Ella Island]; “Westküste von Kongeborgen” [= West coast of Kongeborgen]; “Langsee, Ellainsel” [= Long Lake, Ella Island]; “Narhvalsund” [= Narhval Sound] [Nordost-Grönlands = north-east Greenland]. — Distr.: **NE:** Canada (Northwest Territories, Nunavut), Greenland.
- pratorum** (GOETGHEBUER, 1927): *Annales de Biologie Lacustre* **15**: 101 (*Camptocladus*). Type-locality: {Belgique} “à Destelbergen” [Belgique = Belgium]. — Distr.: **?NT:** ?Argentina, ?Juan Fernández Islands; **NE:** Canada (Manitoba); **PA:** Austria, Belarus, Belgium, Faroe Islands, Finland, France, Germany, Great Britain, Ireland, Italy, Lebanon, Mongolia, Netherlands, Norway, Russia (NET, Far East), Switzerland; **OR:** China (Zhejiang).
- reissi** ROSSARO & ORENDT, 2001: *Bollettino della Societa Entomologica Italiana* **133**(1): 55 (*Smittia*). Type-locality: “Germany , Bavaria, Grünsee-Alm Quelle (a spring) 1600 m”. — Distr.: **PA:** France, Germany, Italy.
- retracta** FREEMAN, 1961: *Australian Journal of Zoology* **9**(4): 667 (*Smittia*). Type-locality: {Australia} “Narrabeen, N.S.W.” [N.S.W. = New South Wales]. — Distr.: **AU:** Australia (New South Wales).
- roena** ROBACK, 1957: *Proceedings of the Academy of Natural Sciences of Philadelphia* **109**: 16 (*Smittia*). Type-locality: [U.S.A.] “Lemon’s Grove, 3 miles south of Kamas, Summit County, Utah”. — Distr.: **NE:** U.S.A. (Utah).
- rostrata** GOETGHEBUER in SCHMÖLZER, 1962: *Mitteilungen aus dem Zoologischen*

Museum in Berlin **38**(2): 214 (*Smittia*). Type-locality: [Austria] “Höhenweg von der Wildseespitze zum Wolfendorn, ca. 2700 m [= High track from the Wildseespitze to Wolfendorn, circa 2700 metres]. Senior primary homonym of *Smittia rostrata* Wang & Wang, 1996. — Distr.: **PA**: Austria, Italy, Switzerland.

rupicola (KIEFFER in MERCIER, 1923): *Annales de la Société Entomologique de Belgique* **63**: 11 (*Phaenocladus*). Type-locality: [France] [p. 9] “Côte du Calvados . . . sur un rocher situé dans la zone de balancement des marées, entre Luc et Lion-sur-Mer, et qui est connu dans le pays sous le nom de " Roche Mignon ".” [= Calvados coast . . . on a rock located in the marine intertidal zone, between Luc and Lion-sur-Mer, which is known in the region by the name " Roche Mignon "]. — Distr.: **PA**: Belgium, France, Germany.

sainokoensis SASA, 1984: *Research Report from the National Institute for Environmental Studies* **70**: 90 (*Smittia*). Type-localities: [Japan] {Nikko National Park} “on the shore of Lake Sainoko”; “on the shore of Lake Chuzenji”. — Distr.: **PA**: Japan, Russia (Far East).

scutellosetosa CASPERS, 1988: *Spixiana Supplement* **14**: 175 (*Smittia*). Type-locality: [Germany] “Isarinsel bei Aümuhle (Nähe Schäftlarn in Oberbayern, Bundesrepublik Deutschland)” [= island in the Isar at Aümuhle (near Schäftlarn in Upper Bavaria, Federal Republic of Germany)]. — Distr.: **PA**: Finland, France, Germany, Italy.

seiryuwewea SASA, SUZUKI & SAKAI, 1999: *Tropical Medicine* **40**(3): 120 (*Smittia*). Type-locality: [Abstract, p. 99] “Shimanto River, western Shikoku Island, Japan”; [p. 120] “Ekawasaki”. — Distr.: **PA**: Japan.

seiryuwexea SASA, SUZUKI & SAKAI, 1999: *Tropical Medicine* **40**(3): 121 (*Smittia*). Type-locality: [Abstract, p. 99] “Shimanto River, western Shikoku Island, Japan”; [p. 121] “Hiyoshi-mura”. — Distr.: **PA**: Japan, Russia (NET, West Siberia).

sekii SASA, 1993: *Research Report from Toyama Prefectural Environmental Pollution*

Research Center **1993**: 63 (*Smittia*). Type-locality: [Japan] “on a highland swamp of Mount Tate at Murodo (Toyama)”. — Distr.: **PA**: Japan.

seppfittkai ASHE & O'CONNOR, 2012: *A World Catalogue of Chironomidae (Diptera). Part 2. Orthoclaadiinae*: 3 (*Smittia*; as nom. nov. for *Smittia rostrata* Wang & Wang, 1996, nec *Smittia rostrata* Goetghebuer, 1962). — Distr.: **PA**: China (Liaoning), Russia (Far East).

rostrata WANG & WANG, 1996: *Zoological Research* **17**(2): 122 (*Smittia*). Type-locality: [English Abstract, p. 124] {CHINA} “upstream of She River, Fushun County, Liaoning Province”. **Preoccupied**. Junior primary homonym of *Smittia rostrata* Goetghebuer, 1962 – the latter is a valid species of *Smittia*.

shofukuduodecima SASA, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 45 (*Smittia*). Type-locality: {Japan} [Abstract, p. 14] “in the Shofuku Garden, . . . about 1 km from the mouth of Kurobe River”. — Distr.: **PA**: Japan.

shofukuquardecima SASA, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 46 (*Smittia*). Type-locality: {Japan} [Abstract, p. 14] “in the Shofuku Garden, . . . about 1 km from the mouth of Kurobe River”. — Distr.: **PA**: Japan.

shofukutridecima SASA, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 45 (*Smittia*). Type-locality: {Japan} [Abstract, p. 14] “in the Shofuku Garden, . . . about 1 km from the mouth of Kurobe River”. — Distr.: **PA**: Japan.

stercoraria ROSSARO & LENCIONI, 2000: *Bollettino di Zoologia Agraria e Bachicoltura*, (Serie II) **32**(2): 103 (*Smittia*). Type-locality: [Italy] “P. N. Abruzzi” [= Abruzzi National Park]. — Distr.: **PA**: Finland, Germany, Italy, Russia (NET).

subnigra FREEMAN, 1956: *Bulletin of the British Museum (Natural History) Entomology* **4**(7): 352 (*Smittia*; as nom. nov. for *Smittia nigra* Freeman, 1953, nec *Allocladius niger* Kieffer, 1913, when both in *Smittia* Holmgren, 1869). — Distr.: **AF**: South Africa. [**Note**]

- nigra* FREEMAN, 1953: *Proceedings of the Royal Entomological Society* (B) **22**(11/12): 206 (*Smittia*). Type-locality: [South Africa] “Berg River, French Hoek Forest Reserve”. **Preoccupied** (in 1956). Junior secondary homonym of *Allocladius niger* Kieffer, 1913, when both in *Smittia* Holmgren, 1869. [Note]
- subnudipennis** GOETGHEBUER, 1933: *Skrifter om Svalbard og Ishavet* **53**: 28 (*Smittia*). Type-locality: “Myggbukta (Groenland orient.), . . . au N-O de la station” [Groenland orient. = Myggbukta (east Greenland.), . . . to the north-east of the station]. — Distr.: **NE**: Greenland.
- superata** GOETGHEBUER, 1939: *Bulletin et Annales de la Société Entomologique de Belgique* **79**(10/11): 384 (*Smittia*). Type-locality: “Laponie suédoise” [= Swedish Lapland]. — Distr.: **PA**: Austria, Belgium, France, Germany, Great Britain, Ireland, Poland, Romania, Sweden, Syria.
- tenuispina** CHAUDHURI & BHATTACHARYAY, 1989: *Deutsche Entomologische Zeitschrift* (Neue Folge) **36**(4/5): 417 (*Smittia*). Type-locality: {India} “West Bengal, Darjeeling”. — Distr.: **OR**: India (West Bengal).
- terrestris** (THIENEMANN & STRENZKE, 1941): *Zoologischer Anzeiger* **133**(11/12): 251 (*Euphaenocladius* (*Smittia*)). Type-localities: “an folgenden Stellen Schleswig-Holsteins gefunden” [= found at the following locations in Schleswig-Holstein]; “Kl. Plöner See, O-Ufer” [= Kleiner Plöner See, eastern shore]; “Trent-See, N-Ufer” [= Trent-See, northern shore]; “Diek-See”; “Uklei-See”; “Keller See, O-Ufer [= Keller See, eastern shore]; “Suhrer See, N-Ufer” [= Suhrer See, northern shore]; “Hege-See bei Mölln (Kr. Herzogtum Lauenburg)” [= Hege-See at Mölln (Herzogtum Lauenburg Hospital)]. Senior secondary homonym of *Smittia terrestris* Goetghebuer, 1941 (below) and *Smittia* (*Pseudosmittia*) *terrestris* Goetghebuer, 1943 (below). — Distr.: **PA**: Germany, ?Hungary, ?Iceland, ?Mongolia, ?Netherlands, ?Romania. [Note]
- terrestris* GOETGHEBUER, 1941: *Archiv für Hydrobiologie* **38**: 289 (*Smittia*). Type-locality: [Title, p. 288] “Allemagne” [= Germany]. Junior secondary homonym of *Euphaenocladius* (*Smittia*) *terrestris* Thienemann & Strenzke, 1941 (above).

Senior primary homonym of *Smittia* (*Pseudosmittia*) *terrestris* Goetghebuer, 1943 (below).

terrestris GOETGHEBUER in GOETGHEBUER & LENZ, 1943: *Die Fliegen der Palaearktischen Region* **13g**: 109 (*Smittia* (*Pseudosmittia*)). Type-locality: “Germania” [= Germany]. Junior secondary homonym of *Euphaenocladus* (*Smittia*) *terrestris* Thienemann & Strenzke, 1941 (above). **Preoccupied**. Junior primary homonym of *Smittia terrestris* Goetghebuer, 1941 (above).

thalassicola GOETGHEBUER in GOETGHEBUER & LENZ, 1943: *Die Fliegen der Palaearktischen Region* **13g**: 101 (*Smittia* (*Smittia*)); as nom. nov. for *Smittia thalassobia* Goetghebuer, 1937 nec *Camptocladus thalassobius* Kieffer, 1925 when both in *Smittia* Holmgren, 1869). — Distr.: **PA**: France.

thalassobia GOETGHEBUER, 1937: *Bulletin et Annales de la Société Entomologique de Belgique* **77**(6): 276 (*Smittia*). Type-locality: “littoral méditerranéen (France)” [= littoral of the Mediterranean Sea (France)] ||► Type-locality: “Aus Frankreich (Ilot du Planier)” [= From France (Planier Island)] in Goetghebuer in Goetghebuer & Lenz, 1943: *Die Fliegen der Palaearktischen Region* **13g**: 101◄||. Junior secondary homonym of *Camptocladus thalassobius* Kieffer, 1925, when both in *Smittia* Holmgren, 1869. [Note]

togapenis SASA, WATANABE & ARAKAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 234 (*Smittia*). Type-locality: [Japan] [Summary, p. 231] “at the side of a highland swamp of Yachidani, Togamura”; [p. 234] “Yachidani”. — Distr.: **PA**: Japan.

togaquirea SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 163 (*Smittia*). Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”; [p. 163] “at Momose”. — Distr.: **PA**: Japan.

toyamasetea SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996** (**March**): 40 (*Smittia*). Type-locality: [Introduction, p. 16] “Japan . . . in the zoological garden called Toyama City

Family Park on the foot of Kureha Hill”; [p. 17] “at the side of the ground pool "A." ” [= Lake A, p. 16]. — Distr.: **PA**: Japan.

tusimoyezea SASA & SUZUKI, 1999: *Tropical Medicine* **41**(2): 101 (*Smittia*). Type-locality: [Introduction, p. 75] “Tsushima Island . . . western Japan”; [p. 101] “Azugawa”. — Distr.: **PA**: Japan.

unicapitis CHAUDHURI & BHATTACHARYAY, 1989: *Deutsche Entomologische Zeitschrift* (Neue Folge) **36**(4/5): 418 (*Smittia*). Type-locality: {India} “West Bengal, Darjeeling”. — Distr.: **OR**: India (West Bengal).

uresifegea SASA & SUZUKI, 1998: *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 84 (*Smittia*). Type-locality: [Japan] [p. 78] “at Ureshino, Saga . . . at the side of the stream running through the hot spring town of Ureshino”; [p. 84] “at Ureshino”. — Distr.: **PA**: Japan.

velutina (LUNDBECK, 1898): *Videnskabelige Meddelelser fra Dansk Naturhistorisk Forening i Kjøbenhavn* **5**: 274 (*Chironomus*). Type-localities: {Grønland} “Julianehaab, Godthaab, Holstensborg” [Grønland = Greenland] [Lectotype designated in Oliver, 1970: *Entomologica Scandinavica* **1**(2): 107, “Godthaab, Greenland”]. — Distr.: **NE**: Canada (Nunavut, Greenland).

verna (HUTTON, 1902): *Transactions and Proceedings of the New Zealand Institute* **34**: 185 (*Camptocladius*). Type-locality: {New Zealand} “Christchurch”. — Distr.: **AU**: New Zealand (North Island, South Island).

vesparum (GOETGHEBUER, 1921): *Mémoires du Musée Royal d’Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 169 (*Camptocladius*). Type-locality: {Belgique} [p. 88] “dans un nid de guêpes, à Francorchamps” [= in the nest of a wasp, at Francorchamps], [p. 189] “Francorchamps (H. B.)” [H. B. = Haute Belgique] [Belgique = Belgium]. — Distr.: **PA**: Belgium, France, Romania Russia (Far East). [**Note**]

sp.: BRUNDIN, 1962: *Pacific Insects* **4**(4): 953 (*Smittia*). Locality: “Macquarie I.”. — Distr.: **AU**: Macquarie Island.

sp.: CHENG & HOGUE, 1975: *Entomological News* **85**(7/8): 216 (*Smittia*). Locality: [p. 211]

“peninsula of Baja California, Mexico, . . . Isla San José”. — Distr.: **NE**: Mexico (Baja California Sur).

sp.: SÆTHER & ANDERSEN, 2011: *Zootaxa* **2915**: 9 (*Smittia*). Locality: “TRISTAN DA CUNHA: Site 7, on rim west of patches, above Molly Gulch, below Dailies Hill, 37°108'44"S; 12°326'53"W, *Blechnum palmiforme*-grassland mix, 2270 ft.”. — Distr.: **AF**: Tristan da Cunha.

Nomina dubia probably in SMITTIA

acutilobata GOETGHEBUER, 1933: *Bulletin et Annales de la Société Entomologique de Belgique* **72**(11/12): 293 (*Smittia*). Type-locality: “pris à Hasselt (Belgique)” [= taken at Hasselt (Belgium)]. [**Note**]

allocerus (KIEFFER, 1918): *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 77 (*Camptocladius*). Type-locality: “Tunisie: Bordj Cedria” [Tunisie = Tunisia].

alpina (KIEFFER in HUBAULT, 1927): *Bulletin Biologique de la France et de la Belgique Supplement* **9**: 164 (*Phaenocladius*; as “*Phænocladius*”). Type-locality: [France] “dans les torrents des Alpes de Tarentaise” [= in the torrents of the Tarentaise Alps]. [**Note**]

anura GOETGHEBUER, 1932: *Faune de France* **23**: 121 (*Smittia* (*Smittia*)). Type-locality: “Belgique” [= Belgium].

aphylla (KIEFFER, 1921): *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **40**: 290 (*Camptocladius*). Type-locality: [Latvia] [p. 275] “environs de Libau, en Courlande” [= vicinity of Libau (now Liepāja), in Courland (now Kurzeme)].

aquilonis GOETGHEBUER, 1940: *Bulletin et Annales de la Société Entomologique de Belgique* **80**(1): 64 (*Smittia*). Type-locality: [Introduction, p. 55] “aux environs d’Abisko, en Laponie Suédoise” [= in the vicinity of Abisko, in Swedish Lapland]; [p. 65] “près d’une source” [= near a spring].

atriventris (KIEFFER, 1921): *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **40**: 292 (*Camptocladius*). Type-locality: [Latvia] [p. 275] “environs

de Libau, en Courlande” [= vicinity of Libau (now Liepaja), in Courland (now Kurzeme)].

bicolorata (GOETGHEBUER in TIMON-DAVID, 1937): *Annales de la Faculté des Sciences de Marseille (2^e Série)* **10**: 48 (*Trichocladius*). Type-locality: [France] “dans le massif du Mont-Blanc, au jardin de Telèfre (alt. 2800, environ), sur fleurs de *Saxifraga bryoides*” [= in the massif of Mont-Blanc, in the alpine meadow of Telèfre (altitude about 2800 metres), on flowers of *Saxifraga bryoides*].

clavatiforceps (KIEFFER, 1922): *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 29, 37 (*Camptocladius*). Type-locality: [Title, p. 26] “Européens” [= European, i.e. Europe] || ► Type-locality: [Germany] “Holstein, lac de Dicksee” [= Holstein, lake Dieksee] in Kieffer, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 79 ◀ ||. Senior primary homonym of *Camptocladius clavatiforceps* Kieffer, 1924 (below). [Note]

clavatiforceps (KIEFFER, 1924): *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 79 (*Camptocladius*). Type-locality: [Germany] “Holstein, lac de Dicksee” [= Holstein, lake Dieksee]. **Preoccupied**. Junior primary homonym of *Camptocladius clavatiforceps* Kieffer, 1922 (above).

curvinervis (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 185 (*Trichocladius*). Type-locality: [Introduction] “Allemagne” [= Germany] || ► Type-locality: [Germany] “auf der Fülbecketalssperre” [= above the Fülbecke Dam] in Thienemann, 1911: *Landwirtschaftliche Jahrbücher* **41**: 637 ◀ ||.

distalis GOETGHEBUER, 1934: *Bulletin et Annales de la Société Entomologique de Belgique* **74**(5/6): 216 (*Smittia*). Type-locality: [Israel] “Palestine”.

distans (KIEFFER, 1921): *Bulletin de la Société d’Histoire Naturelle de la Moselle* **29**: 99 (*Camptocladius*). Type-locality: [Poland] “Silésie” [= Silesia].

flavicornis (KIEFFER, 1924): *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 82 (*Phaenocladius*). Type-locality: [Germany] “Holstein, d’une source” [= Holstein, in a spring].

flaviforceps (KIEFFER, 1924): *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**:

81 (*Phaenocladus*). Type-locality: "Allemagne" [= Germany].

foliata (KIEFFER, 1906): *Annales de la Sociétés Scientifique de Bruxelles, 2^e partie (Mémoires)* **30**: 334 (*Camptocladus*). Type-locality: [France] "Bitche". [Note]

foliata (KIEFFER, 1906): *Genera Insectorum* **42**: 24 (*Camptocladus*). Locality: [France] "Lorraine". Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

fulvipluma (KIEFFER, 1926): *Norsk Entomologisk Tidsskrift* **2**: 85 (*Camptocladus*). Type-locality: [Canada, Nunavut, Ellesmere Island] "Vinter Havnen" [= E. Alexandra Fjord].

fulvosignata (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 75 (*Camptocladus*). Type-locality: [Germany] "Holstein".

fusciforceps (KIEFFER, 1921): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 98 (*Camptocladus*). Type-locality: [Poland] "Silésie" [= Silesia].

fusciventris (KIEFFER, 1921): *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **40**: 209 (*Camptocladus*). Type-locality: [Latvia] [p. 275] "environs de Libau, en Courlande" [= vicinity of Libau (now Liepaja), in Courland (now Kurzeme)].

glacialis (KIEFFER, 1926): *Norsk Entomologisk Tidsskrift* **2**: 86 (*Camptocladus*). Type-locality: [Canada, Nunavut, Ellesmere Island] "Havum" [error = Havnen, = Gåsefjord]. [Note]

gridellii MARCUZZI, 1947: *Bollettino della Societa Entomologica Italiana* **77**(1/2): 10 (*Smittia*; as "*Gridellii*"). Type-locality: [Italy] "Venezia, Toccoleto".

hoegeni (KIEFFER, 1918): *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 79 (*Camptocladus*; as "*Hoegeni*"). Type-locality: [Tunisia] "Tunis".

- limnophila* (KIEFFER, 1924): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 81 (*Phaenocladius*). Type-locality: [Poland] “Nord de l'Allemagne : lac Madu” [= northern Germany (now Poland): Lake Madu (now Lake Miedwie)].
- lindneriella* GOETGHEBUER in GOETGHEBUER & LENZ, 1943: *Die Fliegen der Palaearktischen Region* **13g**: 94 (*Smittia* (*Smittia*); as “*Lindneriella*”). Type-locality: [Austria] “Aus dem Algenüberzug von Krustensteinen der Uferzone des Lunzer Sees (Niederdonau) . . . Germania” [= From the algal covering of encrusted stones on the shoreline of lakes at Lunz (Lower Danube) . . . Germany].
- littorella* (GOETGHEBUER, 1927): *Annales de Biologie Lacustre* **15**: 100 (*Camptocladius*). Type-locality: {Belgique} “Zwijn, à Knocke s/mer” [Belgique = Belgium].
[Note]
- longirostris* GOETGHEBUER in TIMON-DAVID, 1937: *Annales de la Faculté des Sciences de Marseille (2^e Série)* **10**: 50 (*Smittia*). Type-locality: [France] “Massif du Mont-Blanc : rochers des Grands-Mulets (alt. 3500), sur fleurs de *Saxifraga bryoides*” [= Massif of Mont-Blanc : rocks of the Grands-Mulets (altitude 3500 metres), on flowers of *Saxifraga bryoides*].
- longiventris* (KIEFFER, 1918): *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 79 (*Camptocladius*). Type-locality: [Tunisia] “Tunis”.
- malarodai* MARCUZZI, 1947: *Bollettino della Societa Entomologica Italiana* **77**(1/2): 9 (*Smittia*; as “*Malarodai*”). Type-locality: [Italy] “Venezia, Toccoleto, . . . delle rive dei canali che attraversano e circondano l'isola” [= Venezia, Toccoleto, . . . on the banks of the canals that crisscross and encircle the island].
- monochaeta* (KIEFFER, 1918): *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 80 (*Camptocladius*). Type-locality: [Tunisia] “Tunis”.
- nana* SYCHEVA, 1955: *Zametki po faune i flore Sibiri* **18**: 42 (*Smittia*). Type-locality: [Russia, West Siberia] [Introduction, p. 39] **Ozero Sovetskoe . . . v verkhov'e reki Turukhana, s kotorym syazano rechkoi Sovetskoi, vytekayushchei iz ozera** [= Lake Sovetskoe . . . in the upper reaches of the River Turukhan,

which is connected to the small River Sovetskaya, that flows out from the lake].

[**Note**]

nanseni (KIEFFER, 1926): *Norsk Entomologisk Tidsskrift* **2**: 86 (*Camptocladius*; as “*Nanseni*”). Type-locality: [Canada, Nunavut, Ellesmere Island] “Vinter Havnen” [= Gåsefjord]. [**Note**]

olivacea (KIEFFER, 1922): *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 28 (*Camptocladius*). Type-locality: [Title, p. 26] “Européens” [= European, i.e. Europe] || ► Type-locality: [Germany, Holstein] “Nord de l’Allemagne : lac de Selenter” [= northern Germany : Lake Selenter] in Kieffer, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 75 ◀ ||. Senior primary homonym of *Camptocladius olivaceus* Kieffer, 1924 (below). [**Note**]

olivacea (KIEFFER, 1924): *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 75 (*Camptocladius*). Type-locality: [Germany, Holstein] “Nord de l’Allemagne : lac de Selenter” [= northern Germany : Lake Selenter]. **Preoccupied**. Junior primary homonym of *Camptocladius olivaceus* Kieffer, 1922 (above).

ornaticollis (KIEFFER, 1918): *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 78 (*Camptocladius*). Type-locality: [Tunisia] “Tunis”.

orthocera (KIEFFER, 1918): *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 77 (*Camptocladius*). Type-locality: [Tunisia] “Tunis”.

septentrionalis (KIEFFER, 1922): *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 21 (*Camptocladius*). Type-locality: [Russia] {Nouvelle-Zemle} “A l’embouchure du Rivière Chalhnik, Detroit Matotchkin” [= At the mouth of the River Chalhnik, Detroit Matotchkin].

spitzbergensis (KIEFFER in KIEFFER & LUNDBECK, 1911): *Avifauna Spitzbergensis*: 272 (*Trichocladius*; as “*Thrichocladius*”). Type-locality: [Norway] “Spitzbergen, Horn-Sund” [=Spitzbergen, Horn Sound].

strenzkei GOETGHEBUER in GOETGHEBUER & LENZ, 1943: *Die Fliegen der*

- Palaearktischen Region* **13g**: 108 (*Smittia* (*Pseudosmittia*); as “*Strenzkei*”).
Type-locality: [Austria] “Vom Lunzer See in Niederdonau . . . Germania mer.”
[= From a lake at Lunz in the lower Danube . . . southern Germany]. [Note]
- subaequalis* (KIEFFER, 1921): *Bulletin de la Société d’Histoire Naturelle de la Moselle* **29**:
94 (*Phaenocladus*). Type-locality: [Poland] “Silésie” [= Silesia].
- subaptera* GOETGHEBUER, 1934: *Trudy Karelo-Finskogo Filiala Akademii Nauk SSSR* **3**:
133 (*Smittia*). Type-locality: [Kazakhstan] “Nord-Est des bords de la Mer
Caspienne” [= north-east shores of the Caspian Sea]. [Note]
- subnitens* (GOETGHEBUER, 1929): *Encyclopédie Entomologique, B-II, Diptera* **5**: 168
(*Camptocladus*). Type-locality: “Hockai (Belgique)” [= (Hockai) Belgium].
- suecica* (KIEFFER, 1922): *Mémoires de la Société de Vulgarisation des Sciences Naturelles
des Deux-Sèvres* **4**: 31 (*Camptocladus*). Type-locality: [Title, p. 26]
“Européens” [= European, i.e. Europe] || ▶ Type-locality: “Suède Swarthall” [=
Sweden Swarthall] in Kieffer, 1924: *Bulletin de la Société d’Histoire Naturelle
de la Moselle* **30**: 79 ◀ ||. Senior primary homonym of *Camptocladus suecicus*
Kieffer, 1924 (below). [Note]
- suecica* (KIEFFER, 1924): *Bulletin de la Société d’Histoire Naturelle de la Moselle*
30: 79 (*Camptocladus*). Type-locality: “Suède Swarthall” [= Sweden
Swarthall]. **Preoccupied**. Junior primary homonym of *Camptocladus suecicus*
Kieffer, 1922 (above).
- zavreli* FITTKAU, SCHLEE & REISS, 1967: *Limnofauna Europaea*: 368 (*Smittia*; as nom.
nov. for *Trichocladus nudipennis* Kieffer, 1923 nec *Camptocladus nudipennis*
Goetghebuer, 1913, when both in *Smittia* Holmgren, 1869]. [Note]
- nudipennis* (KIEFFER, 1923): *Annales de la Société Scientifique de Bruxelles, 2^e partie
(Mémoires)* **42**: 155 (*Trichocladus*). Type-locality: [Czech Republic]
“Bohême”. **Preoccupied**. Junior secondary homonym of *Camptocladus
nudipennis* Goetghebuer, 1913 - now a valid species of *Smittia* Holmgren, 1869.

Unavailable names in SMITTIA

- hidakajeke* SASA & SUZUKI, 2001: *Tropical Medicine* **42**(3/4): 178 (*Smittia*). Locality: {Hokkaido, Japan} [p. 178] “in the Hidaka Mountain areas . . . Shizunai River”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**
- togaurea* (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Orthosmittia*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

Genus **STACKELBERGINA** SHILOVA & ZELENTSOV

- STACKELBERGINA** SHILOVA & ZELENTSOV, 1978: *Zoologicheskii Zhurnal* **57**(10): 1584. Type-species: *Stackelbergina praeclara* Shilova & Zelentsov, 1978, by monotypy.
- praeclara** SHILOVA & ZELENTSOV, 1978: *Zoologicheskii Zhurnal* **57**(10): 1584 (*Stackelbergina*). Type-locality: [Russia, Central European Territory] **Luzha, Borok, Yaroslavskoi obl.** [= pool, Borok, Yaroslavl Oblast]. — Distr.: **NE**: Canada (Québec); **PA**: Finland, Russia (CET, NET).

Genus **STICTOCLADIUS** EDWARDS

- STICTOCLADIUS** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 279 (as subgenus of *Spaniotoma* Philippi, 1866). Type-species: *Spaniotoma (Stictocladius) pulchripennis* Edwards, 1931, by original designation.
- acrilobus** SÆTHER & CRANSTON, 2012: *Neotropical Entomology* **41**(2): 126 (*Stictocladius*). Type-locality: “Argentina: Puerto Blest, Arroyo Blest”. — Distr.: **NT**: Argentina, Chile.
- acutus** SÆTHER & CRANSTON, 2012: *Neotropical Entomology* **41**(2): 128 (*Stictocladius*).

Type-locality: “Peru: Rio Azul at mouth of Rio Tulumayo near Tingo Maria”.

— Distr.: NT: Bolivia, Costa Rica, Ecuador, Peru.

calonotum (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 282 (*Spaniotoma (Stictocladius)*). Type-locality: [Argentina] “Bariloche”. — Distr.: NT: Argentina, Chile. [Note]

calonotus: incorrect subsequent spelling.

fimbriatus SÆTHER & CRANSTON, 2012: *Neotropical Entomology* **41**(2): 131 (*Stictocladius*). Type-locality: “Chile: XI Region, Rio Emperador Guillermo, 10 km N. Villa Ortega”. — Distr.: NT: Chile.

flavozonatus (EDWARDS, 1931): *Diptera of Patagonia and South Chile* **2**(5): 281 (*Spaniotoma (Stictocladius)*). Type-locality: [Argentina] “Bariloche”. — Distr.: NT: Argentina.

fovigus SÆTHER & CRANSTON, 2012: *Neotropical Entomology* **41**(2): 133 (*Stictocladius*). Type-locality: “Chile: S. Chile, Chiloé, Lago Huilingo, south of Castro”. — Distr.: NT: Argentina, Chile.

lacuniferus (FREEMAN, 1959): *Bulletin of the British Museum (Natural History) Entomology* **7**(9): 416 (*Diplocladius*). Type-locality: {New Zealand} “Canterbury: Cass”. — Distr.: AU: New Zealand (South Island).

multiserialis (FREEMAN, 1961): *Australian Journal of Zoology* **9**(4): 641 (*Diplocladius (Stictocladius)*). Type-locality: {Australia} “Manly, N.S.W.” [N.S.W. = New South Wales]. — Distr.: AU: Australia (Australian Capital Territory, New South Wales, Queensland, Tasmania, Victoria).

nudiventer SÆTHER & CRANSTON, 2012: *Neotropical Entomology* **41**(2): 134 (*Stictocladius*). Type-locality: “Argentina: Rio Negro, R. Ñirihuau, s. airport Bariloche, 41°09.55'N, 71°07.94'W”. — Distr.: NT: Argentina, Chile.

occidentalis CRANSTON & SÆTHER, 2010: *Australian Journal of Entomology* **49**(2): 139 (*Stictocladius*). Type-locality: {Australia} “Western Australia . . . Shannon N. P., Fish Creek, 34°41'S, 116°23'E”. — Distr.: AU: Australia (Western Australia).

- pictus** (FREEMAN, 1959): *Bulletin of the British Museum (Natural History) Entomology* 7(9): 416 (*Diplocladius*). Type-locality: {New Zealand} “Wellington: Ohakune”. — Distr.: AU: New Zealand (North Island, South Island). [Note]
- prati** SÆTHER & CRANSTON, 2012: *Neotropical Entomology* 41(2): 135 (*Stictocladus*). Type-locality: “Peru: Ancharacancha stream (near Vitis), 12°05'39.87"S 75°48'39.61"W, 4,065 m asl”. — Distr.: NT: Peru.
- privicalcar** SÆTHER & CRANSTON, 2012: *Neotropical Entomology* 41(2): 136 (*Stictocladus*). Type-locality: “Chile: XI Region, Lago Riesco, 15 km S. Puerto Aisen”. — Distr.: NT: Chile.
- prostatus** SÆTHER & CRANSTON, 2012: *Neotropical Entomology* 41(2): 137 (*Stictocladus*). Type-locality: “Chile: XI Region, Cementerio, Puerto Aisen”. — Distr.: NT: Chile.
- pulchripennis** (EDWARDS, 1931): *Diptera of Patagonia and South Chile* 2(5): 280 (*Spaniotoma (Stictocladus)*). Type-locality: [Argentina] “Bariloche”. — Distr.: NT: Argentina, Chile.
- sofour** CRANSTON & SÆTHER, 2010: *Australian Journal of Entomology* 49(2): 140 (*Stictocladus*). Type-locality: “Australia. Australian Capital Territory. Brindabellas, Lees Creek, 35°21'S, 148°52'E”. — Distr.: AU: Australia (Australian Capital Territory, New South Wales).
- uniserialis** (FREEMAN, 1961): *Australian Journal of Zoology* 9(4): 643 (*Diplocladius (Stictocladus)*). Type-locality: {Australia} “Mt. Wellington, Tas.” [= Tasmania]. — Distr.: AU: Australia (Australian Capital Territory, New South Wales, Queensland, South Australia, Tasmania, Victoria, Western Australia).
- victoriensis** (FREEMAN, 1961): *Australian Journal of Zoology* 9(4): 643 (*Diplocladius (Stictocladus)*). Type-locality: {Australia} “Belgrave, Vic.” [Vic. = Victoria]. — Distr.: AU: Australia (Australian Capital Territory, New South Wales, Victoria).
- sp. G: SÆTHER & CRANSTON, 2012: *Neotropical Entomology* 41(2): 144 (*Stictocladus*). Localities: “USA: . . . IDAHO, Owyhee County, Bruneau River, Indian Hot

Springs, 1129 m asl”; “Montana, Glacier County, Two Medicine River about 10 mi above Birch Creek”; “New Mexico, Rio Arriba Co., Navajo River at East Jicarilla Reservation Boundary, 36.9°65'25"S, 106.95°94'17"W”. — Distr.: **NE**: U.S.A. (Idaho, Montana, New Mexico).

Genus **STILOCLADIUS** ROSSARO

STILOCLADIUS ROSSARO, 1979: *Bollettino del Museo Civico di Storia Naturale, Verona* **6**: 347. Type-species: *Stilocladius montanus* Rossaro, 1979, by original designation.

clinopecten SÆTHER, 1982: *Entomologica Scandinavica* **13**(4): 494 (*Stilocladius*). Type-locality: “U.S.A. . . . 18 Mile Creek, Sunny Acres, Clemson, South Carolina”. — Distr.: **NE**: Canada (Nova Scotia), U.S.A. (Florida, Georgia, North Carolina, Ohio, South Carolina).

intermedius WANG, 1998: *Studia Dipterologica* **5**(1): 81 (*Stilocladius*). Type-locality: “China: Jilin Province, Antu County, Mt. Changbai (42,0°N, 128,1°E)”. — Distr.: **PA**: China (Jilin), Russia (CET, NET, Far East).

kurobekeyakius (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 67 (*Eukiefferiella*). Type-locality: [Japan] [p. 41] “Kurobe River Basin”, [p. 67] “Keyakidaira”. — Distr.: **PA**: Japan.

tusimoheius (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 85 (*Eukiefferiella*). Type-locality: [Introduction, p. 75] “Tsushima Island . . . western Japan].

yakupequea (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(2): 73 (*Eukiefferiella*). Type-locality: {Yakushima Island, Southwestern Japan} “Yakusugi Land”.

montanus ROSSARO, 1979: *Bollettino del Museo Civico di Storia Naturale, Verona* **6**: 347 (*Stilocladius*). Type-locality: {Alpi Italiane} “f. Oglio, nell’alto corso a 1100 m s. l. m. presso Vezza (Brescia)” [= River Oglio, in the upper course at 1100 metres above sea level at Vezza (Brescia)]; [Alpi Italiane = Italian Alps]. — Distr.: **PA**: Austria, Germany, Italy, ?Portugal, Slovakia, Spain, Switzerland.

orientalis MAKARCHENKO & MAKARCHENKO, 2003: *Evrziatskii Entomologicheskii*

Zhurnal 2(2): 136 (*Stilocladius*). Type-locality: **Rossiya, Primorskii krai, Khasanskii r-n, zapovednik «Kedrovaya pad'», r. Kedrovaya v okrestnostyakh usad'by** [= Russia, Primorsky Krai, Khasansky District, «Kedrovaya pad'» Nature Reserve, River Kedrovaya in the vicinity of the farm]. — Distr.: **PA**: Russia (Far East).

tusimogeheus (SASA & SUZUKI, 1999): *Tropical Medicine* 41(2): 85 (*Eukiefferiella*). Type-locality: [Introduction, p. 75] “Tsushima Island . . . western Japan”; [p. 85] “Izumi”. — Distr.: **PA**: Japan.

Genus **SUBLETTIELLA** SÆTHER

SUBLETTIELLA SÆTHER, 1983: *Aquatic Insects* 5(4): 222. Type-species: *Sublettiella calvata* Sæther, 1983, by original designation.

calvata SÆTHER, 1983: *Aquatic Insects* 5(4): 223 (*Sublettiella*). Type-locality: [U.S.A.] “east fork Chattooga River, National Fish Hatchery, Oconee Co., South Carolina”. — Distr.: **NE**: U.S.A. (South Carolina).

Genus **SYMBIOCLADIUS** KIEFFER

SYMBIOCLADIUS KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* 44: 565. Type-species: *Phaenocladius rhithrogenae* Zavřel, 1924, by original designation.

ACLETIUS ROBACK, 1965: see below as subgenus.

SYMBIOCLADIUS KIEFFER, 1925: see below as subgenus.

Subgenus **ACLETIUS** ROBACK

ACLETIUS ROBACK, 1965: *Entomological News* 76(5): 115. Type-species: *Symbiocladius (Acletius) wygodzinskyi* Roback, 1965, by original designation.

aurifodinae HYNES, 1976: *Memoirs of the National Museum of Victoria* 37: 49 (*Symbiocladius (Acletius)*). Type-locality: {Australia, Victoria} “Crown Cr.” [on page 47 = “Crown Creek above Woods Point (map reference 424367), 2300

ft.”]. — Distr.: **AU**: Australia (New South Wales, Victoria).

renatae SPIES in GONSER & SPIES, 1997: *Ephemeroptera & Plecoptera: biology - ecology - systematics*: 456 (*Symbiocladius*). Type-locality: “Chile, Region IX, Prov. Cautín, Arroyo to Estero Pirén ca. 7 km above confl. with Rio Queule”. — Distr.: **NT**: Argentina, Chile.

wygodzinskyi ROBACK, 1965: *Entomological News* **76**(5): 115 (*Symbiocladius (Acletius)*). Type-locality: “Argentina, Ushuaia, Tierra del Fuego”. — Distr.: **NT**: Argentina, Chile.

Subgenus **SYMBIOCLADIUS** KIEFFER

chattahoocheensis CALDWELL, 1984: *Georgia Journal of Science* **42**: 86 (*Symbiocladius (Symbiocladius)*). Type-locality: [U.S.A.] “White County, Georgia, Chattahoochee River at Georgia Highway 356”. — Distr.: **NE**: U.S.A. (Georgia).

equitans (CLAASSEN, 1922): *Kansas University Science Bulletin* **14**(16): 397 (*Trissocladius*). Type-locality: [U.S.A.] “Estes Park, Colo.” [Colo. = Colorado]. — Distr.: **NE**: Canada (Northwest Territories), U.S.A. (California, Colorado, North Carolina, Utah, Vermont).

rhithrogenae (ZAVŘEL in ŠULC & ZAVŘEL, 1924): *Acta Societatis Scientiarum Naturalium Moravo-Silesiaca* **1**: 372 (*Phaenocladius*; as “*Rhithrogenae*”). Type-locality: [Czech Republic] “Potok Němá Strouha u Č. Budějovic” [= Němá stream ditch in České Budějovic]. — Distr.: **PA**: Austria, Czech Republic, France, Germany, Hungary, Japan, Poland, Romania, Russia (CET, Far East), Slovakia, Spain, Switzerland, Turkey, Ukraine. [**Note**]

microcephalus (ZAVŘEL in ŠULC & ZAVŘEL, 1924): *Acta Societatis Scientiarum Naturalium Moravo-Silesiaca* **1**: 368 (*Phaenocladius*). Type-locality: [Czech Republic] “Prahy” [= Prague].

brevipalpis (DORIER, 1926): *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **183**(19): 810 (*Dactylocladius*; as “*brevipalpis*”).

Goetghebuer”). Type-locality: [France] “dans la région de Grenoble . . . dans la rivière la Cumane, près de Saint-Vérand (Isère)” [= in the Grenoble region . . . in the Cumane River, near Saint-Vérand (Isère)]. [Note]

Genus **SYNORTHOCLADIUS** THIENEMANN

- SYNORTHOCLADIUS** THIENEMANN, 1935: *Stettiner Entomologische Zeitung* **96**(2): 211. Type-species: *Dactylocladius semivirens* Kieffer, 1909, by original designation.
- MONGOLCLADIUS** SASA & SUZUKI, 1997: *Japanese Journal of Tropical Medicine and Hygiene* **25**(4): 182. Type-species: *Mongolcladius mongolwexeus* Sasa & Suzuki, 1997, by original designation. Synonymized with *Synorthocladius* Thienemann, 1935, by Sæther, Ashe & Murray (2000: *Manual of Palaearctic Diptera* **4** (Appendix): 177).
- asamasecundus** SASA & HIRABAYASHI, 1991: *Japanese Journal of Sanitary Zoology* **42**(2): 121 (*Synorthocladius*). Type-locality: [Japan] [p. 117] “at Asama-Onsen, in the suburbs of Matsumoto City, Nagano Prefecture”. — Distr.: **PA**: Japan.
- bifidus** LIU & WANG, 2005: *Zootaxa* **1057**: 52 (*Synorthocladius*). Type-locality: “CHINA: Yunnan Province: Eryuan County: Niujie Township: Futianlin, Meicihe (26° 15 N, 100° 00 E), alt. 2262 m”. — Distr.: **OR**: China (Guangdong, Yunnan).
- ginzanpequea** (SASA & SUZUKI, 2001): *Tropical Medicine* **43**(1/2): 22 (*Eukiefferiella*). Type-locality: {Hokkaido, Japan} “Ginzan”. — Distr.: **PA**: Japan.
- lobiger** (FREEMAN, 1953): *Proceedings of the Royal Entomological Society (B)* **22**(11/12): 201 (*Pseudorthocladius*). Type-locality: [South Africa] “Berg River, Wellington”. — Distr.: **AF**: South Africa. [Note]
- reductus* (FREEMAN, 1954): *Proceedings of the Royal Entomological Society (B)* **23**(9/10): 173 (*Orthocladius*). Type-locality: [South Africa] “Berg River, Assegaibos”.
- mongolwexeus** (SASA & SUZUKI, 1997): *Japanese Journal of Tropical Medicine and Hygiene* **25**(4): 182 (*Mongolcladius*). Type-locality: {Mongolia} “River Orkhon . . . at 1,775 m high from sea level”. — Distr.: **PA**: Mongolia.
- semivirens** (KIEFFER, 1909): *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 48

(*Dactylocladius*; as “*Semivirens*”). Type-locality: {Allemagne} [= Germany] “Westphalie” [= Westphalia] || ▶ Type-locality: [Germany] “In Zuflüssen der Glörtalsperre” in Kieffer & Thienemann, 1909: *Jahresberichte des Westfälischen Provinzial-Vereins für Wissenschaft und Kunst* **37**: 32 ◀ ||. — Distr.: **NE**: Canada (Northwest Territories, Saskatchewan), Mexico (Mexico State), U.S.A. (Alabama, Florida, Georgia, Michigan, North Carolina, Ohio, South Carolina, Tennessee); **PA**: Andorra, Austria, Azores, Balearic Islands, Belgium, Bulgaria, Corsica, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Lithuania, Luxembourg, Madeira, Moldova, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, SET, East Siberia, Far East, West Siberia), Sardinia, Sicily, Slovakia, Spain, Sweden, Switzerland, Turkey, ¶Yugoslavia; **OR**: China (Shaanxi).

breviradius (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 183 (*Dactylocladius*). Type-locality: [Introduction] “Allemagne” [= Germany] || ▶ Type-locality: [Germany, Westphalia] “Henne oberhalb der Talsperre” [= Henne above the dam] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 79 ◀ ||.

flaviforceps (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 183 (*Dactylocladius*; as var. of *breviradius* Kieffer, 1911). Type-locality: [Introduction] “Allemagne” [= Germany]. [**Note**]

miricornis (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 183 (*Dactylocladius*). Type-locality: [Introduction] “Allemagne” [= Germany] || ▶ Type-locality: [Germany] “an einem Zufluß der Östertalsperre” [= on an inflow to the Öster Dam reservoir] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 79 ◀ ||. **Syn. nov.** [**Note**]

tripilatus (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 348 (*Spaniotoma* (*Orthocladius*)). Type-localities: [Great Britain]

“numerous localities in Herts. [Herts. = Hertfordshire], Beds. [= Bedfordshire], Cambs. [= Cambridgeshire], Suffolk, Surrey, Oxford [= Oxfordshire], Yorks. [= Yorkshire], Westmorland and Devon”.

tamaparvulus SASA, 1981: *Research Report from the National Institute for Environmental Studies* **29**: 9 (*Synorthocladius*). Type-locality: {Japan, Tama River, Minamiasakawa River} “Station No. 3”. — Distr.: **PA**: Japan.

tusimoijekeus (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 87 (*Eukiefferiella*). Type-locality: [Introduction, p. 75] “Tsushima Island . . . western Japan”; [p. 87] “Sumogawa”. — Distr.: **PA**: Japan.

“cf. *semivirens* (Kieffer)”: ROBACK & COFFMAN, 1987: *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**(1): 127 (*Synorthocladius*). Localities: {Nepal} “NP26” [= “Three small streams, tributaries of Bhurungai Khola, Nyathanti . . . alt. 2250 m.”]; “NP38” [= “Mountain stream, tributary of Bhurungai Khola, Ghorepani . . . 2520 m.”]. — Distr.: **OR**: Nepal.

sp.: CRANSTON & MARTIN, 1989: *Catalog of the Diptera of the Australasian and Oceanic Regions*: 263 (*Synorthocladius*). Localities: “Australia (ACT, NSW, SA)” [ACT = Australian Capital Territory, NSW = New South Wales, SA = South Australia]. — Distr.: **AU**: Australia (Australian Capital Territory, New South Wales, South Australia).

sp.: WATSON & HEYN, 1993: *Netherlands Journal of Aquatic Ecology* **26**(2/4): 259 (*Synorthocladius*). Locality: “Costa Rica . . . S 1650 m” [= Costa Rica . . . San Jose Province 1650 metres]. — Distr.: **NT**: Costa Rica.

Genus **TAVASTIA** TUISKUNEN

TAVASTIA TUISKUNEN, 1985: *Annales Entomologici Fennici* **51**(1): 30. Type-species: *Tavastia australis*, Tuiskunen, 1985, by original designation.

alticrista STUR & WIEDENBRUG, 2005: *Aquatic Insects* **27**(2): 126 (*Tavastia*). Type-locality: “Germany, Bavaria, Nationalpark BGL, Herrenröint, spring no. 308, 12°58'20 E, 47°34'40 N, at 1250 m elevation, rheohelocrene spring”. — Distr.:

PA: Germany.

australis TUISKUNEN, 1985: *Annales Entomologici Fennici* **51**(1): 30 (*Tavastia*). Type-locality: “Finland, Ta, Kangasala, Ponsa (683:35), 300 m north of the east end of Lake Pikkujärvi”. — Distr.: **PA:** Finland, Netherlands.

cristacauda SÆTHER, 1992: *Entomologica Scandinavica* **22**(4): 385 (*Tavastia*). Type-locality: “U.S.A.: Michigan, Newago Co., White Cedar Swamp, wet area”. — Distr.: **NE:** U.S.A. (Michigan, North Carolina, Ohio).

cristicauda: incorrect subsequent spelling.

pilipecta SÆTHER, 2010: *Aquatic Insects* **32**(3): 172 (*Tavastia*). Type-locality: “Canada: Manitoba, Lake Winnipeg, Gull Harbour”. — Distr.: **NE:** Canada (Manitoba).

yggdrasilia BRODIN, LUNDSTRÖM & PAASIVIRTA, 2008: *Aquatic Insects* **30**(4): 262 (*Tavastia*). Type-locality: “SWEDEN, . . . eastern River Dalälven, Nordmyra wetland, Tärnsjö 16°52'46 E, 60°09'34 N, 55 m elevation”. — Distr.: **PA:** Belarus, Finland, Netherlands, Russia (CET), Sweden.

Genus **TEMPISQUITONEURA** EPLER

TEMPISQUITONEURA EPLER in EPLER & DE LA ROSA, 1995: *Journal of the North American Benthological Society* **14**(1): 50. Type-species: *Tempisquitoneura merrillorum* Epler, 1995, by original designation.

TEMPESQUITONEURA EPLER & DE LA ROSA in FERRINGTON & SÆTHER, 1995: *Aquatic Insects* **17**(1): 63. Type-species: Not given. Name not made available - not accompanied by a description contrary to Article 13.1 and not accompanied by the fixation of a type-species contrary to Article 13.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum.**

merrillorum EPLER in EPLER & DE LA ROSA, 1995: *Journal of the North American Benthological Society* **14**(1): 56 (*Tempisquitoneura*). Type-locality: “COSTA RICA: Guanacaste: Quebrada Pedregal, 2 km south of Estación Cerro El Hacha; 10°58'55”N, 85°32'30”W, elevation 300m.”. — Distr.: **NT:** Costa Rica; **NE:** U.S.A. (Arizona, Nevada, Utah).

merillorum: incorrect original spelling.

Genus **TETHYMYIA** WIRTH

TETHYMYIA WIRTH, 1949: *University of California Publications in Entomology* **8**(4): 160. Type-species: *Tethymyia aptena* Wirth, 1949, by original designation.

aptaena WIRTH, 1949: *University of California Publications in Entomology* **8**(4): 161 (*Tethymyia*). Type-locality: [U.S.A.] "Point Lobos, Monterey County, California". — Distr.: **NE**: U.S.A. (California).

Genus **THALASSOSMITTIA** STRENZKE & REMMERT

THALASSOSMITTIA STRENZKE & REMMERT, 1957: *Kieler Meeresforschungen* **13**(2): 270. Type-species: *Camptocladus thalassophilus* Bequaert & Goetghebuer, 1914, by original designation.

SAUNDERIA SUBLETTE, 1967: *Journal of the Kansas Entomological Society* **40**(3): 318. Type-species: *Camptocladus clavicornis* Saunders, 1928, by original designation. Synonymized with *Thalassosmittia* Strenzke & Remmert, 1957, by Sæther (1977: *Bulletin of the Fisheries Research Board of Canada* **197**: 103).

IKIPRIMUS SASA & SUZUKI, 1999: *Tropical Medicine* **41**(3): 157. Type-species: *Ikiprimus ikijjeus* Sasa & Suzuki, 1999, by original designation. Synonymized with *Thalassosmittia* Strenzke & Remmert, 1957, by Yamamoto (2004: *Makunagi* **21**: 102).

atlantica (STORÅ, 1936): *Commentationes Biologicae* **6**(1): 27 (*Eukiefferiella*). Type-localities: {Kanarischen Inseln} [= Canary Islands] "Ten.: Puerto Cruz" [Ten. = Tenerife]; "Santa Cruz, am Meeresufer" [= Santa Cruz, on the seashore]; "Hiero, Puerto Estaca, am Meeresufer" [= El Hierro, Puerto Estaca, on the seashore] [Lectotype designation in Armitage, 1986: *Aquatic Insects* **8**(2): 105, {Canary Islands} "Tenerife, Puerto Cruz"]. — Distr.: **PA**: Azores, Canary Islands, Madeira.

? *grancanariensis* (STORÅ, 1936): *Commentationes Biologicae* **6**(1): 27 (*Eukiefferiella*; as subspecies of *atlantica* Storå, 1936). Type-locality:

{Kanarischen Inseln} [= Canary Islands] “Can.: Las Palmas” [= Gran Canaria: Las Palmas]. **Questionable synonym.**

christinae SÆTHER & ANDERSEN, 2011: *Zootaxa* **2915**: 10 (*Thalassosmittia*). Type-locality: “GOUGH ISLAND: Site SG1 at Snoek Gat, 40°20'439"S, 09°52'927"W, supralittoral, 5 m a.s.l.”. — Distr.: **AF**: Gough Island.

clavicornis (SAUNDERS, 1928): *Annals of the Entomological Society of America* **21**(4): 528 (*Camptocladius*). Type-localities: {Canada} “Departure Bay, B. C.” [B. C. = British Columbia]; “Ucluelet”; “Vancouver”; “Prince Rupert”. — Distr.: **NE**: Canada (British Columbia), U.S.A. (Alaska, California).

ikiijea (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(3): 157 (*Ikiprimus*). Type-locality: [Title, p. 143] “Western Japan. . . Iki Island”; [p. 157] “Satofure”. — Distr.: **PA**: Japan.

marina (SAUNDERS, 1928): *Annals of the Entomological Society of America* **21**(4): 526 (*Camptocladius*). Type-localities: {Canada} “Departure Bay, B. C.” [B. C. = British Columbia]; “Vancouver”; “Prince Rupert”. — Distr.: **NE**: Canada (British Columbia), U.S.A. (California).

montana WANG & SÆTHER, 1993: *Entomologica Scandinavica* **24**(2): 212 (*Thalassosmittia*). Type-locality: “China: Xizang (Tibet), Wangdong, Cuona County (91°45'E, 27°49'N), 2500 m”. — Distr.: **PA**: China (Tibet).

nemalione (TOKUNAGA, 1936): *Philippine Journal of Science* **60**(3): 305 (*Spaniotoma* (*Smittia*)). Type-locality: “Japan . . . Seto, Wakayama Prefecture”. — Distr.: **PA**: Japan.

pacifica (SAUNDERS, 1928): *Annals of the Entomological Society of America* **21**(4): 523 (*Camptocladius*). Type-locality: {Canada} “Nanaimo district, B. C.” [B. C. = British Columbia]. — Distr.: **NE**: Canada (British Columbia), U.S.A. (Alaska, California).

thalassophila (BEQUAERT & GOETGHEBUER, 1914): *Annales de la Société Entomologique de Belgique* **57**: 373 (*Camptocladius*). Type-locality: {littoral Belge} “à Zeebrugge (Flandre Occidentale)” [= at Zeebrugge (western

Flanders)] [littoral Belge = Belgian seashore]. — Distr.: **PA**: Belgium, Croatia, France, Germany, Great Britain, Greece, Ireland, Italy, Netherlands, Romania, Spain. [**Note**]

giordanisoikai (MARCUSZI, 1949): *Hydrobiologia* **1**(2): 196 (*Smittia*; as “*giordani-soikai*”). Type-locality: {Italy} Venezia, a small “barena” near to S. Giacomo”.

tusimoefea (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 82 (*Rheocricotopus* (*Paracricotopus*)). Type-locality: [Introduction, p. 75] “Tsushima Island . . . western Japan”; [p. 82] “Uchiyama”. — Distr.: **PA**: Japan.

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

Genus **THIENEMANNIA** KIEFFER

THIENEMANNIA KIEFFER, 1909: *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 49. Type-species: *Thienmannia gracilis* Kieffer, 1909, by monotypy.

SYMMETRIOCNEMUS THIENEMANN, 1937: *Mitteilungen Entomologischen Gesellschaft zu Halle* **15**: 30. Type-species: *Metriocnemus clavaticornis* Kieffer, 1911 [= *Thienmannia gracilis* Kieffer, 1909], by original designation. Synonymized with *Thienmannia* Kieffer, 1909, by Brundin (1956: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 134).

fulvofasciata (KIEFFER, 1921): *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 84 (*Metriocnemus*). Type-locality: [Germany] “Sleswig-Holstein, larves dans un lac” [= Schleswig-Holstein, larvae in a lake]. — Distr.: **PA**: France, Germany, Great Britain, Luxembourg, Slovakia, Spain, Switzerland.

fuscithecica BHATTACHARYA, DUTTA & CHAUDHURI, 1986: *Journal of the Bengal Natural History Society* (New Series) **4**(1): 41 (*Thienemanna*). Type-locality: {India} “West Bengal, Darjeeling”. — Distr.: **OR**: India (West Bengal). [**Note**]

gracei (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 312 (*Metriocnemus*). Type-locality: [Great Britain] “Ilkley, Yorks.” [Yorks. = Yorkshire]. — Distr.: **PA**: Austria, ?Azores, France, Germany, Great Britain,

Lebanon, Netherlands, Russia (NET), Spain, Switzerland; **OR**: China (Zhejiang).

gracilis KIEFFER, 1909: *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 49 (*Thienmannia*). Type-locality: {Allemagne} [= Germany] “Sauerland” || ▶ Type-locality: [Germany, Westphalia] “an der Glörtalsperre und Fuelbeckertalsperre” [= on the Glör Dam and Fülbeck Dam] in Kieffer & Thienemann, 1909: *Jahresberichte des Westfälischen Provinzial-Vereins für Wissenschaft und Kunst* **37**: 33 ◀ ||. — Distr.: **PA**: Austria, Belgium, Corsica, Denmark, Faroe Islands, Finland, France, Germany, Great Britain, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Romania, Russia (CET), Spain, Sweden, Switzerland, ¶Yugoslavia.

clavaticornis (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 201 (*Metriocnemus*). Type-locality: Not given || ▶ Type-locality: [Germany, Westphalia] “Quelle an der linken Lasbecker Aa” [= Spring on the left Lasbecker Aa] in Thienemann, 1912: *Jahresbericht des Westfälischen Provinzial-Vereins für Wissenschaft und Kunst* **40**: 78 ◀ ||.

borealis KIEFFER, 1915: *Zoologische Jahrbücher, Abteilung Systematik, Ökologie und Geographie der Tiere* **3**: 114 (*Thienemannia*). Type-locality: {Faroer} “Wasserfall bei Frodebö” [= waterfall at Frodebö].

lobata (KIEFFER in THIENEMANN & KIEFFER, 1916): *Archiv für Hydrobiologie Supplement* **2**(3): 513 (*Metriocnemus*; as var. of *clavaticornis* Kieffer, 1911). Type-locality: {Sweden} “Quellrinnsal oberhalb des Kalkofens am Tinkarp; zwischen Buchenlaub” [= Spring-channel above the lime kiln at Tinkarp; among beech leaves]. [**Note**]

miricornis (GOETGHEBUER, 1934): *Bulletin et Annales de la Société Entomologique de Belgique* **74**(10): 346 (*Cricotopus*). Type-locality: [Germany] “Larves dans une source à 1000 m. d'altitude (G.-P.)” [= Larvae in a spring at an altitude of 1000 metres (Garmisch-Partenkirchen)].

libanica LAVILLE & MOUBAYED, 1985: *Annales de Limnologie* **21**(1): 77

(*Thienemannia*). Type-locality: “Liban, torrent Yammouné, Chlifa” [= Lebanon, Yammouné stream, Chlifa]. — Distr.: **PA**: Denmark, France, Germany, Lebanon, Luxembourg, Portugal, Spain.

lutea BHATTACHARYA, DUTTA & CHAUDHURI, 1986: *Journal of the Bengal Natural History Society* (New Series) **4**(1): 43 (*Thienemannia*). Type-locality: {India} “West Bengal, Jorbanglow”. — Distr.: **OR**: India (West Bengal). [**Note**]

paasivirtai TUISKUNEN in TUISKUNEN & LINDEBERG, 1986: *Annales Zoologici Fennici* **23**(4): 386 (*Thienemannia*). Type-locality: “Finland, Le, Enontekiö, Pikku Malla, Kaakkurilampi (767:25)”. — Distr.: **PA**: Finland.

pilinucha SÆTHER, 1985: *Aquatic Insects* **7**(2): 127 (*Thienemannia*). Type-locality: “Le Conte Creek, Sevier Co., Tennessee, U.S.A.”. — Distr.: **NE**: U.S.A. (Tennessee).

Genus **THIENEMANNIELLA** KIEFFER

THIENEMANNIELLA KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 201 (as subgenus of *Corynoneura* Winnertz, 1846). Type-species: *Corynoneura clavicornis* Kieffer, 1911, by subsequent designation of Goetghebuer in Goetghebuer & Lenz (1939: *Die Fliegen der Palaearktischen Region* **13f**: 7).

KRIBIOCLADIUS KIEFFER, 1923: *Annales de la Société Entomologique de France* **92**: 181. Type-species: *Kribiocladius flava* Kieffer, 1923, by monotypy. **Syn. nov.** of *Thienemanniella* Kieffer, 1911. [**Note**]

MICROLENZIA KIEFFER, 1925: *Annales de la Société Entomologique de France* **94**: 54. Type-species: *Microlenzia fusca* Kieffer, 1925 [= *Corynoneura acuticornis* Kieffer, 1912], by original designation. Synonymized with *Thienemanniella* Kieffer, 1911, by Edwards (1929: *Transactions of the Entomological Society of London* **77**: 366).

absens FU, SÆTHER & WANG, 2010: *Zootaxa* **2431**: 4 (*Thienemanniella*). Type-locality: “CHINA: Zhejiang Province, Taishun County, Wuyanling (27°30'N, 119°46'E), 1611 m a.s.l.”. — Distr.: **PA**: China (Shaanxi); **OR**: China (Zhejiang).

acuticornis (KIEFFER, 1912): *Bulletin de la Société Entomologique de France* **1912**: 101

(*Corynoneura*). Type-locality: [Germany] “Reinhardtsbrunn”. — Distr.: **PA**: Austria, Balearic Islands, Bulgaria, Estonia, Finland, France, Germany, Great Britain, Ireland, Italy, Lebanon, Morocco, Netherlands, Romania, Russia (NET), Spain, Tunisia, Turkey; **OR**: Nepal. [**Note**]

morosa (EDWARDS, 1924): *Entomologist's Monthly Magazine* **60**: 185 (*Corynoneura* (*Thienemanniella*)). Type-locality: [Great Britain] “Gorge of Dart, S. Devon”.

fusca (KIEFFER, 1925): *Annales de la Société Entomologique de France* **94**: 54 (*Microlenia*). Type-locality: “larves habitant un lac de Lunz en Autriche” [= larvae inhabit a lake at Lunz in Austria].

akagiquarta KIKUCHI & SASA, 1994: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 116 (*Thienemanniella*). Type-locality: {Japan} [p. 112] “at the side of a fountain stream on the slope of Mount Akagi (Gunma)”. — Distr.: **PA**: Japan.

antennata FREEMAN, 1953: *Proceedings of the Royal Entomological Society (B)* **22**(11/12): 212 (*Thienemanniella*). Type-locality: [South Africa] “Berg River, French Hoek”. — Distr.: **AF**: Ghana, South Africa, Zimbabwe.

boltoni HESTENES & SÆTHER, 2000: *Late 20th Century Research on Chironomidae*: 110 (*Thienemanniella*). Type-locality: “USA: Ohio, Franklin Co., spring stream tributary to Scioto River”. — Distr.: **NE**: Canada (Nova Scotia, Ontario, Prince Edward Island); U.S.A. (Minnesota, North Carolina, Ohio).

burjatica MAKARCHENKO & MAKARCHENKO in MAKARCHENKO, MAKARCHENKO & BAZOVA, 2010: *Evrziatskii Entomologicheskii Zhurnal* **9**(3): 316 (*Thienemanniella*). Type-locality: {Russia, East Siberia} **r. Uda, g. Ulan-Udé, novyi most** [= River Uda, town of Ulan-Udé, new bridge]. — Distr.: **PA**: Russia (East Siberia).

caspersi SÆTHER in SÆTHER & FERRINGTON, 2003: *Zootaxa* **322**: 2 (*Thienemanniella*; as nom. nov. for *Thienemanniella similis* Caspers & Reiss, 1989, nec *Corynoneura similis* Malloch, 1915). — Distr.: **PA**: Austria, Germany, Turkey.

caspersi SÆTHER, 2002: *Chironomus* **15**: 34 (*Thienemanniella*; as nom. nov. for

Thienemaniella similis Caspers & Reiss, 1989, nec *Corynoneura similis* Malloch, 1915). Name not made available – only published electronically without fulfilling the criteria necessary for publication contrary to Article 8.6 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

similis CASPERS & REISS, 1989: *Entomofauna* **10**(8): 144 (*Thienemanniella*). Type-locality: “Bahnhof Soganli W Sarikamis, 2100 m über NN (Provinz Kars, Osttürkei)” [= Railway station at Soganli west of Sarikamis, 2100 metres above sea-level (Kars Province, eastern Turkey)]. **Preoccupied**. Junior secondary homonym of *Corynoneura similis* (Malloch, 1915) – the latter is now a valid species of *Thienemaniella* Kieffer, 1911.

cavata FU, HESTENES & SÆTHER, 2010: *Zootaxa* **2338**: 6 (*Thienemanniella*). Type-locality: “GHANA: Brong Ahafo Region, Kintampo Falls”. — Distr.: **AF**: Ghana.

chuzeduodecima SASA, 1984: *Research Report from the National Institute for Environmental Studies* **70**: 90 (*Thienemanniella*). Type-locality: [Japan] {Nikko National Park} “a small stream on the bank of Lake Chuzenji”. — Distr.: **PA**: Japan, Russia (NET, Far East).

clavicornis (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 201 (*Corynoneura*; as “*clavicornis*”). Type-locality: Not given || ▶ Type-localities: [Germany] “am Loher Zufluß der Glörtalsperre” [= at the Loher inflow to the Glör Dam]; “an der Glörtalsperre” [= at the Glör Dam]; “aus Fontinalisbüschen des Hasperbaches” [= from *Fontinalis* tufts of the Hasper brook]; in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 81 ◀ ||. Senior primary homonym of *Corynoneura clavicornis* Kieffer, 1925. — Distr.: **PA**: Algeria, Austria, Azores, Belgium, Bulgaria, ?Canary Islands, Czech Republic, Estonia, Finland, France, Germany, Great Britain, Hungary, ?Iceland, Ireland, Italy, Kaliningrad, Lebanon, Madeira, Moldova, Mongolia, Netherlands, Norway, Poland, Portugal, Romania, Russia (CET, NET, SET, Far East, West Siberia), Slovakia, Spain, Turkey; **OR**: China

(Sichuan, Zhejiang).

clavicronis: incorrect original spelling.

pseudosimilis (GOETGHEBUER, 1921): *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 73 (*Corynoneura*). Type-locality: {Belgique} [p. 73] “Virton”; [p. 191] “Virton (H. B.)” [H. B. = Haute Belgique], [Belgique = Belgium].

elana (ROBACK, 1957): *Proceedings of the Academy of Natural Sciences of Philadelphia* **109**: 10 (*Corynoneura* (*Thienemanniella*)). Type-locality: [U.S.A.] “Lemon’s Grove, three miles south of Kamas, Summit County, Utah”. — Distr.: **NE**: U.S.A. (Utah).

flavescens (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 367 (*Corynoneura* (*Thienemanniella*)). Type-locality: [Great Britain] “Staveley, Westmorland”. — Distr.: **PA**: Balearic Islands, France, Great Britain, Ireland, Russia (NET).

? *flava* (KIEFFER, 1925): *Annales de la Société Entomologique de France* **94**: 54 (*Microleuzia*). Type-locality: [Czech Republic or Slovakia] “larves aquatiques en Tchéco-Slovaquie” [= larvae aquatic in Czechoslovakia]. **Preoccupied**. Junior secondary homonym of *Thienemanniella flava* (Kieffer, 1923).

Questionable synonym.

flaviscutella (TOKUNAGA, 1936): *Tenthredo* **1**(1): 39 (*Corynoneura* (*Thienemanniella*)). Type-locality: “Japan (Honshu) . . . Yamashima, Kyoto”. — Distr.: **PA**: Japan.

fuga LEHMANN, 1979: *Spixiana Supplement* **3**: 47 (*Thienemanniella*). Type-locality: [Democratic Republic of the Congo] “Kalengo, Kivu-Gebiet, Zaire”. — Distr.: **AF**: D.R.Congo, South Africa, Tanzania.

ginzanquerea SASA & SUZUKI, 2001: *Tropical Medicine* **43**(1/2): 23 (*Thienemanniella*). Type-locality: {Hokkaido, Japan} [p. 8-9] “Ginzan”. — Distr.: **PA**: Japan; **OR**: China (Fujian).

ginzanquinta (SASA & SUZUKI, 1998): *Tropical Medicine* **40**(1): 17 (*Corynoneura*). Type-locality: {Japan} “Ginzan, Hokkaido”. — Distr.: **PA**: China (Shaanxi), Japan;

OR: China (Yunnan).

- gotopallida** SASA & SUZUKI, 2001: *Tropical Medicine* **42**(3/4): 163 (*Thienemanniella*).
Type-locality: {Goto Islands, Western Japan} “Wani River”. — Distr.: **PA:**
Japan.
- hainanensis** FU, SÆTHER & WANG, 2010: *Zootaxa* **2431**: 11 (*Thienemanniella*). Type-
locality: “CHINA: Hainan Province, Wanning County, Diaoluo Town (19°4' N,
110° 28' E), 1499 m a.s.l.”. — Distr.: **OR:** China (Hainan).
- liae** PAGGI, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 247
(*Thienemanniella*) Type-locality: “ARGENTINA: Buenos Aires Province,
Sierra de la Ventana, Villa Arcadia, Sauce Grande Stream, 38°53'S, 61°58'W”.
— Distr. **NT:** Argentina.
- lineola** FREEMAN, 1953: *Proceedings of the Royal Entomological Society* (B) **22**(11/12):
212 (*Thienemanniella*). Type-locality: [South Africa] “Berg River, French Hoek
Forest Reserve”. — Distr.: **AF:** D.R.Congo, Ethiopia, South Africa, Zimbabwe.
- lobapodema** HESTENES & SÆTHER, 2000: *Late 20th Century Research on Chironomidae*:
117 (*Thienemanniella*). Type-locality: “CANADA: Ontario, Experimental
Lakes Area, Lake 122”. — Distr.: **NE:** Canada (Manitoba, Northwest
Territories, Ontario), U.S.A. (Alabama, Florida, Georgia, Michigan, Minnesota,
North Carolina, Ohio, South Carolina).
- lutea** (EDWARDS, 1924): *Entomologist's Monthly Magazine* **60**: 184 (*Corynoneura*
(*Thienemanniella*)). Type-locality: [Great Britain] “Cardington, Beds” [Beds =
Bedfordshire]. — Distr.: **PA:** France, Great Britain, Macedonia.
- majuscula** (EDWARDS, 1924): *Entomologist's Monthly Magazine* **60**: 183 (*Corynoneura*
(*Thienemanniella*)). Type-locality: [Great Britain] “Mildenhall, Suffolk”. —
Distr.: **NE:** Canada (Ontario); **PA:** Austria, Denmark, Finland, France,
Germany, Great Britain, Ireland, Japan, Morocco, Netherlands, Norway,
Poland, Russia (NET, Far East), Spain.
- medialis** SUBLETTE & SASA, 1994: *Spixiana Supplement* **20**: 28 (*Thienemanniella*). Type-
locality: {Guatemala} “Rincon, leaf litter at small waterfall C”. — Distr.: **NT:**

Guatemala.

- minuscula** (BRUNDIN, 1949): *Reports from the Institute of Freshwater Research, Drottningholm* **30**: 833 (*Corynoneura*). Type-locality: [Sweden] “Växjösjön in Småland”. — Distr.: **NE**: Canada (Northwest Territories, Ontario); **PA**: Austria, Finland, France, Germany, Norway, Russia (NET, Far East). Spain, Sweden.
- nagaramaculata** SASA, 1989: *Research Report Toyama Prefectural Environmental Pollution Research Center 1989*: 68 (*Thienemanniella*). Type-locality: {Japan} “at the side of the Nagara River”. — Distr.: **PA**: Japan.
- nipponica** (TOKUNAGA, 1936): *Tenthredo* **1**(1): 38 (*Corynoneura* (*Thienemanniella*)). Type-locality: “Japan (Honshu) . . . Kitashirakawa, Kyoto”. — Distr.: **PA**: Japan; **OR**: China (Sichuan).
- obscura** BRUNDIN, 1947: *Arkiv för Zoologi* **39A**: 49 (*Thienemanniella*). Type-locality: {Sweden} “Sm. Gem. Söraby . . . am Bach zwischen Innaren und Helgasjön” [= Småland, Söraby Municipality . . . on a brook between Innaren and Helgasjön]. — Distr.: **PA**: Austria, Finland, France, Germany, Great Britain, Ireland, Italy, ?Luxembourg, ?Netherlands, Russia (Far East), Slovakia, Spain, Sweden; **OR**: China (Yunnan).
- ogasaquardecima** SASA & SUZUKI, 1997: *Medical Entomology and Zoology* **48**(4): 337 (*Thienemanniella*). Type-locality: {Japan, Ogasawara Islands} “Shigure Dam”. — Distr.: **OC**: Bonin Islands.
- ogasaquindecima** SASA & SUZUKI, 1997: *Medical Entomology and Zoology* **48**(4): 338 (*Thienemanniella*). Type-locality: {Japan, Ogasawara Islands} “Shigure Dam on Chichijima”. — Distr.: **OC**: Bonin Islands.
- okigrata** SASA, 1990: *Japanese Journal of Experimental Medicine* **60**(3): 134 (*Thienemanniella*). Type-locality: {Nansei Islands, southern Japan} “at the side of Heinan River, Okinawa”. — Distr.: **OR**: Japan.
- oyabedilata** SASA, KAWAI & UENO, 1988: *Research Report Toyama Prefectural Environmental Pollution Research Center 1988*: 57 (*Thienemanniella*). Type-locality: [Summary, p. 27] “Oyabe River Basin, western Toyama Prefecture . . .

Japan”; [p. 57] “at C-4, under Futomibashi Bridge of Oyabe River”. — Distr.:

PA: Japan, Russia (Far East).

partita SCHLEE, 1968: *Stuttgarter Beiträge zur Naturkunde* **180**: 17 (*Thienemanniella*).

Type-locality: [Germany] “Fuldastation „Wasserkuppe 11“ („Halbe Fulda“”).

— Distr.: **PA:** Austria, France, Germany, Italy.

safi LEHMANN, 1979: *Spixiana Supplement* **3**: 48 (*Thienemanniella*). Type-locality:

[Democratic Republic of the Congo] “Kalengo, Kivu-See-Gebiet, Zaire” [=

Kalengo, Kivu Lake region, Zaire]. — Distr.: **AF:** D.R.Congo, Ethiopia, South

Africa, Tanzania.

sichuana FU, SÆTHER & WANG, 2010: *Zootaxa* **2431**: 20 (*Thienemanniella*). Type-

locality: “CHINA: Sichuan Province, Daocheng County, Daocheng River

(29°11' N, 100°06' E), 3700 m a.s.l.”. — Distr.: **OR:** China (Sichuan).

similis (MALLOCH, 1915): *Bulletin of the Illinois State Laboratory of Natural History* **10**:

413 (*Corynoneura*). Type-locality: [U.S.A.] “Havana, Ill.” [Ill. = Illinois]. —

Distr.: **NT:** Puerto Rico; **NE:** U.S.A. (Florida, Georgia, Illinois, Michigan,

Minnesota, New Mexico, New York, North Carolina, Ohio, South Carolina,

Texas). Senior secondary homonym of *Thienemanniella similis* Caspers & Reiss,

1989.

spretta (ROBACK, 1962): *Notulae Naturae* **355**: 2 (*Corynoneura* (*Thienemanniella*)). Type-

locality: [Panama] “Holbrook Air Force Base, Curundu, Canal Zone”. — Distr.:

NT: Guatemala, Panama, St. Vincent.

sanctivincenta SÆTHER, 1981: *Entomologica Scandinavica Supplement* **16**: 37

(*Thienemanniella*). Type-locality: “8 m a.s.l., large river bed, Rabacca River, St.

Vincent”.

taurocapita HESTENES & SÆTHER, 2000: *Late 20th Century Research on Chironomidae*:

119 (*Thienemanniella*). Type-locality: “USA: Ohio, Delaware Co., Olentangy

River, Highbanks Metro Park”. — Distr.: **NE:** U.S.A. (Michigan, North

Carolina, Ohio).

tiunovae MAKARCHENKO & MAKARCHENKO, 2006: *Evrasiatskii Entomologicheskii*

Zhurnal **5**(2): 160 (*Thienemanniella*). Type-locality: **o-v Sakhalin, Noglikskii r-n, r. Pil'tun** [= Sakhalin Island, Nogaiksky District, River Pil'tun]. — Distr.: **NE**: Canada (Northwest Territories); **PA**: Russia (Far East).

togamijika SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 166 (*Thienemanniella*). Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”; [p. 114] “Toga River”. — Distr.: **PA**: Japan; **OR**: China (Hunan).

tonewquerea SASA & TANAKA, 2002: *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **34**: 43 (*Thienemanniella*). Type-locality: {Japan} [Title, p. 27] “Tone River, Gunma Prefecture”; [p. 43] “at Taisho Bridge”. — Distr.: **PA**: Japan.

triangula FU, SÆTHER & WANG, 2010: *Zootaxa* **2431**: 24 (*Thienemanniella*). Type-locality: “CHINA: Sichuan Province, Ganzi State, Yajiang County (31°38'N, 99° 58'E), 2000 m a.s.l.”. — Distr.: **OR**: China (Sichuan, Yunnan).

trivittata GOETGHEBUER, 1935: *Revue de Zoologie et de Botanique Africaines* **27**: 366 (*Thienemanniella*). Type-locality: [Democratic Republic of the Congo] “Escarpment Kalasha : Chambi”. — Distr.: **AF**: D.R.Congo, South Africa; **AU**: Australia (Australian Capital Territory, New South Wales).

analis FREEMAN, 1953: *Proceedings of the Royal Entomological Society* (B) **22**(11/12): 212 (*Thienemanniella*). Type-locality: [South Africa] “Berg River, French Hoek Forest Reserve”.

tusimuefea SASA & SUZUKI, 1999: *Tropical Medicine* **41**(2): 107 (*Thienemanniella*). Type-locality: [Introduction, p. 75] “Tsushima Island . . . western Japan”; [p. 107] “Azugawa”. — Distr.: **PA**: Japan.

tusimufegea SASA & SUZUKI, 1999: *Tropical Medicine* **41**(2): 107 (*Thienemanniella*). Type-locality: [Introduction, p. 75] “Tsushima Island . . . western Japan]. — Distr.: **PA**: Japan; **OR**: China (Fujian, Hunan).

vittata (EDWARDS, 1924): *Entomologist's Monthly Magazine* **60**: 184 (*Corynoneura*

(*Thienemanniella*). Type-locality: [Great Britain] “Newtown, N. Wales”. — Distr.: **PA**: Austria, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Macedonia, Morocco, Norway, Portugal, Romania, Slovakia, South Korea, Spain, Sweden, Turkey.

wuyiensis FU, SÆTHER & WANG, 2010: *Zootaxa* **2431**: 29 (*Thienemanniella*). Type-locality: “CHINA: Jiangxi Province, Wuyi Mountain (27°28'N, 118°1'E), 1800m a.s.l.”. — Distr.: **OR**: China (Jiangxi).

xena (ROBACK, 1957): *Monographs of the Academy of Natural Sciences of Philadelphia* **9**: 61 (*Corynoneura* (*Thienemanniella*)). Type-locality: [U.S.A.] “Spring House, Pa. near U.S. route 309” [Pa. = Pennsylvania]. — Distr.: **NE**: Canada (Alberta, Manitoba, Northwest Territories, Ontario), U.S.A. (Alaska, Florida, Georgia, Illinois Michigan, New York, North Carolina, Ohio, Pennsylvania, South Carolina, South Dakota); **PA**: China (Liaoning, Ningxia, Shandong, Xinjiang), Russia (Far East); **OR**: China (Fujian, Yunnan).

yakysetea SASA & SUZUKI, 2000: *Tropical Medicine* **42**(2): 100 (*Thienemanniella*). Type-locality: {Yakushima Island, Southwestern Japan} “Miyanoura River”. — Distr.: **PA**: Japan; **OR**: China (Hunan).

sp.: COFFMAN, YURASITS & DE LA ROSA, 1988: *Spixiana Supplement* **14**: 85 (*Thienemanniella*). Locality: “South India”. — Distr.: **OR**: India (Kerala or Tamil Nadu).

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

sp. 1: HAASE & NOLTE, 2008: *Ecological Indicators* **8**(5): 607 (*Thienemanniella*). Locality: [Title] “streams in southeast Queensland, Australia”. — Distr.: **AU**: Australia (Queensland).

sp. 2: HAASE & NOLTE, 2008: *Ecological Indicators* **8**(5): 607 (*Thienemanniella*). Locality: [Title] “streams in southeast Queensland, Australia”. — Distr.: **AU**: Australia (Queensland).

Nomina dubia in THIENEMANNIELLA

- brevidensi* ŞAHİN, 1987: *Türk Zooloji Dergisi* **11**(3): 184 (*Thienemanniella*). Type-locality: {Turkey} “Sütlüce d. (Munzur ç. — Firat N., 39° 31' N, 39° 33' D, 1550 m)” [= Sütlüce Stream (Munzur Brook — Firat River, 39° 31' North, 39° 33' East, 1550 metres)]. [Note]
- cubita* (GARRETT, 1925): *Seventy New Diptera*: 10 (*Corynoneura*). Type-locality: [Canada] “Cranbrook, B.C. [B.C. = British Columbia]. — Distr.: NE: Canada (British Columbia). [Note]
- emarginata* KIEFFER, 1925: *Bulletin de la Société Entomologique de France* **1925**: 285 (*Thienemanniella*). Type-locality: [France] “Bitche (Moselle)”.
- flava* (KIEFFER, 1923): *Annales de la Société Entomologique de France* **92**: 181 (*Kribiocladius*). Type-locality: “Cameroun : Kribi” [Cameroun = Cameroon]. Senior secondary homonym of *Thienemanniella flava* (Kieffer, 1925). [Note]
- flavicornis* (KIEFFER, 1929): *Schriften der Physikalisch-Ökonomischen Gesellschaft zu Königsberg* **66**: 299 (*Microlenia*). Type-locality: [Russia, Kaliningrad Region] “Hochfläche des Zehlaubruches” [= plateau of Zehlaubruch moorland].
- flaviforceps* KIEFFER, 1925: *Bulletin de la Société Entomologique de France* **1925**: 285 (*Thienemanniella*). Type-locality: [Poland] “Silésie” [= Silesia].
- longicornis* KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 103 (*Thienemanniella*). Type-locality: [Poland] “Silésie” [= Silesia].
- longipalpis* KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 165 (*Thienemanniella*). Type-locality: [Germany] “Westphalie : larve sur *Fontinalis* sp. dans la Diemel” [= Westphalia : larva on *Fontinalis* sp. in the Diemel] || ► Type-locality: [Germany, Westphalia] “aus *Fontinalis* der Diemel bei Nieder-Marsberg” [= from *Fontinalis* in the Diemel at Nieder-Marsberg] in Thienemann, 1919: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 33 ◄ ||.
- longipalpis* THIENEMANN, 1919: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 33

(*Thienemanniella*). Locality: [Germany, Westphalia] “aus *Fontinalis* der Diemel bei Nieder-Marsberg” [= from *Fontinalis* in the Diemel at Nieder-Marsberg]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

mallochi SUBLETTE, 1970: *Journal of the Kansas Entomological Society* **43**(1): 88 (*Thienemanniella*). Type-locality: [U.S.A.] “Brownsville, Texas . . . South Texas Gardens”. [Note]

nana (KIEFFER, 1911): *Bulletin de la Société Entomologique de France* **1911**: 202 (*Corynoneura*). Type-locality: Not given || ▶ Type-locality: [Germany] “in den Bachmoosen der Logrötke” [= in brook mosses of the Logrötke], in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 81 ◀ ||.

nervosa KIEFFER, 1925: *Bulletin de la Société Entomologique de France* **1925**: 285 (*Thienemanniella*). Type-localities: [Poland] “Silésie” [= Silesia]; [Germany] “Bavière” [= Bavaria].

sphagnum (KIEFFER, 1929): *Schriften der Physikalisch-Ökonomischen Gesellschaft zu Königsberg* **66**: 300 (*Microlenzia*). Type-localities: [Russia, Kaliningrad Region] “Hochfläche des Zehlaubruches” [= plateau of Zehlaubruch moorland]; “im Inselblänkenwäldchen” [= in Inselblänken small woodland].

zavreli KIEFFER, 1925: *Bulletin de la Société Entomologique de France* **1925**: 285 (*Thienemanniella*; as “*Zavreli*”). Type-locality: [Czech Republic] “Bohême” [= Bohemia].

Unavailable names in THIENEMANNIELLA

munzuri ŞAHİN, 1980: *Firat Üniversitesi Veteriner Fakültesi Dergisi* **5**: 182 (*Thienemanniella*; as “*munzuri* sp. n. Şahin”). Locality: [Turkey] “Elazığ”. Name not made available – not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

Genus TOKUNAGAIA SÆTHER

- TOKUNAGAIA SÆTHER**, 1973: *Canadian Entomologist* **105**(1): 56. Type-species: *Spaniotoma (Orthocladius) kibunensis* Tokunaga, 1939, by original designation.
- SETUKOYUSURIKA SASA & SUZUKI**, 2001: *Tropical Medicine* **42**(3/4): 161. Type-species: *Setukoyusurika gotoijeus* Sasa & Suzuki, 2001, by monotypy. Synonymized with *Tokunagaia* Sæther, 1973, by Yamamoto (2004: *Makunagi* **21**: 104).
- ambigua MAKARCHENKO & MAKARCHENKO**, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 182 (*Tokunagaia*). Type-locality: “RUSSIAN FAR EAST: Jewish Autonomous Region, Khabarovsk Territory, Amur River Basin, Kuldur River”. — Distr.: **PA**: Russia (Far East).
- asamaquinta (SASA & HIRABAYASHI, 1991)**: *Japanese Journal of Sanitary Zoology* **42**(2): 124 (*Eukiefferiella*). Type-locality: [Japan] [p. 117] “at Asama-Onsen, in the suburbs of Matsumoto City, Nagano Prefecture”. — Distr.: **PA**: Japan.
- biconvexa MAKARCHENKO & MAKARCHENKO**, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 184 (*Tokunagaia*). Type-locality: “RUSSIAN FAR EAST: Kurile Islands, Shiashkotan Island, waterfall in Zakatnaya Bay”. — Distr.: **PA**: Russia (Far East).
- chuzenona (SASA, 1984)**: *Research Report from the National Institute for Environmental Studies* **70**: 74 (*Eukiefferiella*). Type-locality: [Japan] {Nikko National Park} “Lake Chuzenji”. — Distr.: **PA**: Japan, Russia (Far East).
- excellens (BRUNDIN, 1956)**: *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 89 (*Eukiefferiella*). Type-locality: “im Katterjokk (Reg. arctica) bei Riksgränsen (Schwedisch-Lappland)” [= in the Katterjokk (Arctic region) near Riksgränsen (Swedish Lapland)] [Lectotype designation in Halvorsen & Sæther, 1987: *Entomologica Scandinavica Supplement* **29**: 179, “Katterjokk, Riksgränsen, Sverige”] [Sverige = Sweden]. — Distr.: **NE**: Canada (British Columbia); **PA**: Finland, Norway, Sweden.
- fasciata LIU & WANG**, 2006: *Zootaxa* **1183**: 45 (*Tokunagaia*). Type-locality: “CHINA: Yunnan Province, Eryuan County, Niujie Township, Futianlin, Meici River,

(26°21'N, 100°02'E), 2262 m a.s.l.". — Distr.: **OR**: China (Yunnan).

fujisexta (SASA, 1985): *Research Report from the National Institute for Environmental Studies* **83**: 126 (*Eukiefferiella*). Type-locality: {Japan, Mount Fuji area} "on the shore of Lake Motosu". — Distr.: **PA**: Japan.

gotoijea (SASA & SUZUKI, 2001): *Tropical Medicine* **42**(3/4): 161 (*Setukoyusurika*). Type-locality: {Goto Islands, Western Japan} "Fukue". — Distr.: **PA**: Japan.

ikiopea (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(3): 166 (*Eukiefferiella*). Type-locality: [Title, p. 143] "Western Japan. . . . Iki Island"; [p. 166] "Umenoki Dam". — Distr.: **PA**: Japan.

ikip MAKARCHENKO & MAKARCHENKO, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 186 (*Tokunagaia*). Type-locality: "RUSSIAN FAR EAST: Kurile Islands, Simushir Island, Malaya Bay". — Distr.: **PA**: Russia (Far East).

interdicta MAKARCHENKO & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii Zhurnal* **8**(4): 421 (*Tokunagaia*). Type-locality: "Prosiolochnaya River, Lazovsky Nature Reserve, Primorye Territory, Russian Far East". — Distr.: **PA**: Russia (Far East).

jintunonadecima (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (December)**: 69 (*Hydrobaenus*). Type-locality: [Japan] [p. 61, Introduction] "in Toyama Prefecture along the main stream of Jinzu River and its tributaries"; [p. 69] "at S. 6, Yawata". — Distr.: **PA**: Japan.

jintuquinta (SASA, 1990): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1990**: 39 (*Eukiefferiella*). Type-locality: {Japan, Toyama, Jintsu River} "at St. 2, Kiritani-hashii". — Distr.: **PA**: Japan.

jintuseptdecima (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (December)**: 67 (*Hydrobaenus*). Type-locality: [Japan] [p. 61, Introduction] "in Toyama Prefecture along the main stream of Jinzu River and its tributaries". — Distr.: **PA**: Japan. [**Note**]

jintuseptidecima: incorrect subsequent spelling.

- kamiarata** SASA & HIRABAYASHI, 1993: *Japanese Journal of Sanitary Zoology* **44**(4): 369 (*Tokunagaia*). Type-locality: {Nagano, Japan} [p. 362] “Kamikochi”; [p. 369] “at Kamonji”. — Distr.: **PA**: Japan.
- kamicedea** (SASA & HIRABAYASHI, 1993): *Japanese Journal of Sanitary Zoology* **44**(4): 377 (*Pseudosmittia*). Type-locality: {Nagano, Japan} [p. 362] “Kamikochi”; [p. 377] “at Nishiitoya”. — Distr.: **PA**: Japan.
- kibunensis** (TOKUNAGA, 1939): *Philippine Journal of Science* **69**(3): 318 (*Spaniotoma* (*Orthocladius*)). Type-locality: “Honshu, Japan . . . Kibune, Kyoto”. — Distr.: **PA**: Japan, Russia (Far East).
- kinkaensis** (SASA, 1989): *Research Report Toyama Prefectural Environmental Pollution Research Center* **1989**: 69 (*Synorthocladius*). Type-locality: {Japan} “on the top of Mount Kinkazan, Gifu”. — Distr.: **PA**: Japan.
- kurobedilata** (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 54 (*Mesosmittia*). Type-localities: [Japan] [p. 41] “Kurobe River Basin”, [p. 54] “Aimoto”; “Nekomata”; “Kurobe Bridge”. — Distr.: **PA**: Japan.
- kurobespeciosa** SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 54 (*Tokunagaia*). Type-locality: [Japan] [p. 41] “Kurobe River Basin”, [p. 54] “Unazuki Town”. — Distr.: **PA**: Japan.
- kurodeea** (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (December)**: 19 (*Hydrobaenus*). Type-locality: [Japan] “at the side of Kuroyon Dam”. — Distr.: **PA**: Japan.
- kurofeea** (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (December)**: 20 (*Hydrobaenus*). Type-locality: [Japan] “at the side of Kuroyon Dam”. — Distr.: **PA**: Japan.
- kurofegea** (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (December)**: 21 (*Hydrobaenus*). Type-locality: [Japan] “at the side of Kuroyon Dam”. — Distr.: **PA**: Japan.

- moribrevis** (SASA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center 1994*: 40 (*Hydrobaenus*). Type-locality: {Japan} [p. 38] “at the side of a stream in the Castle Park of Morioka City”. — Distr.: **PA**: Japan.
- morigrandis** (SASA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center 1994*: 41 (*Hydrobaenus*). Type-locality: {Japan} [p. 38] “at the side of a stream in the Castle Park of Morioka City”. — Distr.: **PA**: Japan.
- obriaini** HAYES & MURRAY, 1988: *Entomologica Scandinavica* **18**(4): 361 (*Tokunagaia*). Type-locality: “Canada, Northwest Territories, Bathurst Island, 75°24' N, 100°24' W” [type-locality now in Nunavut Province]. — Distr.: **NE**: Canada (Nunavut).
- oleantoni** MAKARCHENKO & MAKARCHENKO, 2007: *Contributions to the Systematics and Ecology of Aquatic Diptera*: 188 (*Tokunagaia*). Type-locality: “RUSSIAN FAR EAST: South part of the Kamchatka Peninsula, Ozernaya River”. — Distr.: **PA**: Russia (Far East).
- oyabebrevicosta** (SASA, KAWAI & UENO, 1988): *Research Report Toyama Prefectural Environmental Pollution Research Center 1988*: 47 (*Eukiefferiella*). Type-locality: [Summary, p. 27] “Oyabe River Basin, western Toyama Prefecture . . . Japan”; [p. 47] “at Y-5, Fukunobashi Bridge”. — Distr.: **PA**: Japan.
- parexcellens** TUISKUNEN in TUISKUNEN & LINDEBERG, 1986: *Annales Zoologici Fennici* **23**(4): 387 (*Tokunagaia*). Type-locality: “Finland, Le, Enontekiö, Jatuni (760:32)”. — Distr.: **PA**: Finland, Norway, Mongolia, Russia (Far East).
- pseudorowensis** MAKARCHENKO & MAKARCHENKO, 2004: *Flora and fauna of Sakhalin Island*: 220 (*Tokunagaia*). Type-locality: [Russia] **o-v Sakhalin, Tymovskii r-n, r. Tym' (verkhnee techenie), v 15 km na vostok ot pos. Palevo** [= Sakhalin Island, Tymovsky District, River Tym' (upper course), 15 kilometres east of the village of Palevo]. — Distr.: **PA**: Russia (Far East).
- quadrulata** LIU & WANG, 2006: *Zootaxa* **1183**: 48 (*Tokunagaia*). Type-locality: “CHINA:

Sichuan Province, Litang County, Cogsum, (29°42'N, 100°22'E), 4170 m a.s.l.". — Distr.: **OR**: China (Sichuan).

rectangularis (GOETGHEBUER, 1940): *Bulletin et Annales de la Société Entomologique de Belgique* **80**(1): 61 (*Orthocladius*). Type-locality: [Introduction, p. 55] “aux environs d’Abisko, en Laponie Suédoise” [= in the vicinity of Abisko, in Swedish Lapland]; [p. 62] “près d’une source à 900 m. d’altitude” [= near a spring at an altitude of 900 metres]. — Distr.: **PA**: Austria, China (Liaoning), Finland, France, Italy, Mongolia, Norway, Romania, Russia (NET, Far East), Sweden, Switzerland, Turkey.

oestbyei (SÆTHER, 1968): *Archiv für Hydrobiologie* **64**(4): 462 (*Eukiefferiella*).

Type-localities: {Finse Area, Norway} “Sta. A”; “Sta. C”.

oestbyi: incorrect subsequent spelling.

rowensis (SÆTHER, 1969): *Bulletin of the Fisheries Research Board of Canada* **170**: 58 (*Adactylocladius*). Type-locality: [Canada] “large mountain stream, Rowe Creek, above highway to Cameron Lake, Waterton National Park, Alta.” [Alta. = Alberta]. — Distr.: **NE**: Canada (Alberta, Ontario); **PA**: Russia (Far East).

scutellata (BRUNDIN, 1956): *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 89 (*Eukiefferiella*). Type-locality: “Schwedisch-Lappland: an einem kleinen Bach am See Vassijaure” [= Swedish Lapland: on a small stream at Lake Vassijaure]. — Distr.: **PA**: Finland, Norway, Russia (NET, Far East), Sweden.

shofukudecima (SASA, 1998): *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 41 (*Pseudorthocladius*). Type-locality: {Japan} [Abstract, p. 14] “in the Shofuku Garden, . . . about 1 km from the mouth of Kurobe River”. — Distr.: **PA**: Japan.

sikimiensis (SASA & SUZUKI, 1998): *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 86 (*Eukiefferiella*). Type-locality: [Japan] “at Shikimi Pasture, Nagasaki”. — Distr.: **PA**: Japan.

singula MAKARCHENKO & MAKARCHENKO, 2009: *Evraziatskii Entomologicheskii*

Zhurnal **8**(4): 426 (*Tokunagaia*). Type-locality: “environs of Pashkovo Village, Jewish Autonomous Region of Khabarovsk Territory, Russian Far East”. — Distr.: **PA**: Russia (Far East).

spinosa LIU & WANG, 2006: *Zootaxa* **1183**: 50 (*Tokunagaia*). Type-locality: “CHINA: Guizhou Province, Fanjing Mountain Natural Conservation Area, Huguo Temple, (27°55'N, 108°41'E), 1300 m a.s.l.”. — Distr.: **OR**: China (Guizhou, Yunnan).

subulata LIU & WANG, 2006: *Zootaxa* **1183**: 53 (*Tokunagaia*). Type-locality: “CHINA: Jilin Province, Antu County, Changbai Mountain, (43°07'N, 128°54'E), 1700 m a.s.l.”. — Distr.: **PA**: China (Jilin), Russia (Far East).

tatyanae (MAKARCHENKO & MAKARCHENKO, 2006): *Russian Entomological Journal* **15**(1): 73 (*Chaetocladius*). Type-locality: {Russian Far East} “Ozernaya River, Kurilskoe Lake basin, Kamchatka Peninsula (South part)”. — Distr.: **PA**: Russia (Far East).

togaduodecima SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 128 (*Tokunagaia*). Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”; [p. 128] “at Momose”. — Distr.: **PA**: Japan.

togaduodecima (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 119 (*Eukiefferiella*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

togaedecima SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 127 (*Tokunagaia*). Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”. — Distr.: **PA**: Japan.

togaedecima (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center 1991*: 119 (*Eukiefferiella*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

togaenona SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center 1992*: 126 (*Tokunagaia*). Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”; [p. 126] “at Momose”. — Distr.: **PA**: Japan.

togaenona (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center 1991*: 119 (*Eukiefferiella*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

togaenona SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center 1992*: 125 (*Tokunagaia*). Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”; [p. 125] “at Momose”. — Distr.: **PA**: Japan.

togaenona (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center 1991*: 119 (*Eukiefferiella*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

togaenona (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural*

Environmental Pollution Research Center 1992: 110 (*Eukiefferiella*). Type-locality: [Japan] [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”; [p. 110] “at Momose”. — Distr.: **PA**: Japan.

togaepurima (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center 1991*: 119 (*Eukiefferiella*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

togaeseptima SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center 1992*: 125 (*Tokunagaia*). Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”; [p. 125] “at Momose”. — Distr.: **PA**: Japan.

togaeseptima (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center 1991*: 119 (*Eukiefferiella*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

togaquardecima SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center 1992*: 129 (*Tokunagaia*). Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”; [p. 129] “at an upstream site of Toga River”. — Distr.: **PA**: Japan.

togatridecima SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center 1992*: 129 (*Tokunagaia*). Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern

mountainous part of Toyama Prefecture”; [p. 129] “at Momose”. — Distr.: **PA**: Japan.

togatridecima (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 119 (*Eukiefferiella*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

togaundecima SASA & OKAZAWA, 1992: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 127 (*Tokunagaia*). Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”; [p. 127] “at Momose”. — Distr.: **PA**: Japan.

togaundecima (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 119 (*Eukiefferiella*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

togaueva (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 147 (*Orthosmittia*). Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”; [p. 147] “at Momose”. — Distr.: **PA**: Japan.

tonollii (ROSSARO, 1983): *Bollettino della Societa Entomologica Italiana* **115**: 164 (*Eukiefferiella*). Type-locality: “Italy, Lombardia, Chiareggio; in a cold spring, 1500 m, o.s.l.”. — Distr.: **PA**: Finland, Great Britain, Italy, Norway, Russia (Far East), Slovakia.

tusimolemea (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 88 (*Hydrobaenus*). Type-

locality: [Introduction, p. 75] “Tsushima Island . . . western Japan”; [p. 88] “Ayumodoshi”. — Distr.: **PA**: Japan.

tusimoneoa (SASA & SUZUKI, 1999): *Tropical Medicine* **41**(2): 90 (*Hydrobaenus*; [page 90] as “*tusimolemeus*”, [Fig. 18, page 120] as “*tusimoneous*”). Type-locality: [Introduction, p. 75] “Tsushima Island . . . western Japan”; [p. 90] “Noubu”. — Distr.: **PA**: Japan. [**Note**]

tusimolemeus: incorrect original spelling.

unicentrata LIU & WANG, 2006: *Zootaxa* **1183**: 54 (*Tokunagaia*). Type-locality: “CHINA: Sichuan Province, Yajiang County, (30°02'N, 101°01'E), 3750 m a.s.l.”. — Distr.: **OR**: China (Sichuan).

sp. A: HALVORSEN & SÆTHER, 1987: *Entomologica Scandinavica Supplement* **29**: 187 (*Tokunagaia*). Localities: “Teesta River, between Anderson Bridge and inflow of Rangeet River, Darjeeling, India” [Darjeeling = Darjiling]; “Rangeet River, . . . otherwise as above” [= Rangeet River, Darjeeling, India] [Darjeeling = Darjiling]. — Distr.: **OR**: India (West Bengal).

sp. B: HALVORSEN & SÆTHER, 1987: *Entomologica Scandinavica Supplement* **29**: 187 (*Tokunagaia*). Localities: “Rockingham Creek, inlet into Yellowhead Lake, Jasper – Banff area, Rocky Mountains, British Columbia, Canada”. — Distr.: **NE**: Canada (British Columbia).

Genus **TOKYOBRILLIA** KOBAYASHI & SASA

TOKYOBRILLIA KOBAYASHI & SASA, 1991: *Japanese Journal of Sanitary Zoology* **42**(2): 73. Type-species: *Tokyobrillia tamamegaseta* Kobayashi & Sasa, 1991, by original designation.

TOGECNEMUS SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (March)**: 42. Type-species: *Togecnemus toyamawexeus* Sasa, 1996 [= *Tokyobrillia tamamegaseta* Kobayashi & Sasa, 1991], by original designation. Synonymized with *Tokyobrillia* Kobayashi & Sasa, 1991, by Sæther, Ashe & Murray (2000: *Manual of Palaearctic Diptera* **4** (Appendix): 163).

- KUROBEBRILLIA** SASA & OGATA, 1999: *Medical Entomology and Zoology* **50**(2): 96.
Type-species: *Kurobebrillia jokaquinta* Sasa & Ogata, 1999 [= *Tokyobrillia tamamegaseta* Kobayashi & Sasa, 1991], by original designation. Synonymized with *Tokyobrillia* Kobayashi & Sasa, 1991, by Yamamoto (2004: *Makunagi* **21**: 109).
- anderseni** SÆTHER & WANG, 1993: *Annales de Limnologie* **28**(3): 216 (*Tokyobrillia*).
Type-locality: “Tanzania, Tanga region, West Usumbara, Mts Mazumbai, Kaputo River” [error = West Usumbara Mts]. — Distr.: **AF**: Tanzania. [**Note**]
- tamamegaseta** KOBAYASHI & SASA, 1991: *Japanese Journal of Sanitary Zoology* **42**(2): 74 (*Tokyobrillia*). Type-locality: [Japan] “side of the Tama River, Masugata, Tama-ku, Kawasaki (Kanagawa)”. — Distr.: **PA**: Japan; **OR**: China (Hainan).
- toyamawexeus* (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (March)**: 43 (*Togecnemus*).
Type-locality: [Introduction, p. 16] “Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill”; [p. 17] “at the side of the ground pool "A." ” [= Lake A, p. 16].
- jokaquinta* (SASA & OGATA, 1999): *Medical Entomology and Zoology* **50**(2): 96 (*Kurobebrillia*). Type-locality: {Japan} “on the concrete wall of a ditch discharging sewage waters of the Kurobe Joka Center”.

Genus **TONEGAYUSURIKA** SASA & TANAKA

- TONEGAYUSURIKA** SASA & TANAKA, 2002: *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **34**: 43. Type-species: *Tonegayusurika tonewpequea* Sasa & Tanaka, 2002, by monotypy.
- tonewpequea** SASA & TANAKA, 2002: *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **34**: 43 (*Tonegayusurika*). Type-locality: {Japan} [Title, p. 27] “Tone River, Gunma Prefecture”; [p. 43] “at Taisho Bridge”. — Distr.: **PA**: Japan.

Genus **TONNOIROCLADIUS** CRANSTON

TONNOIROCLADIUS CRANSTON, 2007: *Aquatic Insects* **29**(2): 104. Type-species: *Dactylocladius commensalis* Tonnoir, 1923, by original designation.

commensalis (TONNOIR, 1923): *Annales de Biologie Lacustre* **11**(3/4): 284 (*Dactylocladius*). Type-localities: “Nouvelle- Zélande . . . petits torrents de la Gorge du Waiho, au pied du glacier François-Joseph, sur la côte ouest de l’Ile du Sud” [= New Zealand . . . small streams of the Waiho Gorge, at the foot of the Franz-Joseph Glacier, on the west coast of the South Island]; “dans la Gorge d’Otira, dans le Massif central de Alpes du Sud” [= in the Otira Gorge; in the central massif of the Southern Alps]; “à Goulard Down, dans le Massif montagneux du N.-O. de l’Ile du Sud” [= at Goulard Down, in the mountainous massif of the north-east of the South Island]. — Distr.: **AU**: New Zealand (South Island).

commensalis (TONNOIR, 1922): *Bulletin de la Société Entomologique de Belgique* **4**(11/12): 132 (*Dactylocladius*). Locality: “néo- zélandaises” [= New Zealand]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

Genus **TRICHOCHILUS** SÆTHER

TRICHOCHILUS SÆTHER, 1986: *Spixiana Supplement* **11**: 31. Type-species: *Trichocladius lacteipennis* Johannsen, 1908, by original designation.

lacteipennis (JOHANNSEN, 1908): *Bulletin of the New York State Museum* **124**: 282 (*Trichocladius*). Type-locality: [U.S.A.] “Pennsylvania”. — Distr.: **NE**: U.S.A. (Pennsylvania).

Genus **TRICHOSMITTIA** YAMAMOTO

TRICHOSMITTIA YAMAMOTO, 1999: *Journal of the Kansas Entomological Society* **71**(3): 265. Type-species: *Trichosmittia hikosana* Yamamoto, 1999, by original designation.

- hikosana** YAMAMOTO, 1999: *Journal of the Kansas Entomological Society* **71**(3): 268 (*Trichosmittia*). Type-locality: “Japan, (Kyushu) . . . Mt. Hikosan, Fukuoka Pref.”. — Distr.: **PA**: Japan, Russia (Far East).
- yakybecea** (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(2): 81 (*Limnophyes*). Type-localities: {Yakushima Island, Southwestern Japan} “Isso”; “Anbokawa”; “in the town of Miyanoura”. — Distr.: **PA**: Japan.

Genus **TRISSOCLADIUS** KIEFFER

- TRISSOCLADIUS** KIEFFER in KIEFFER & THIENEMANN, 1908: *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 3. Type-species: *Trissocladius brevipalpis* Kieffer in Kieffer & Thienemann, 1908, by subsequent designation of Edwards (1929: *Transactions of the Entomological Society of London* **77**: 309). Senior homonym of *Trissocladius* Kieffer, 1908 (below).
- TRISSOCLADIUS* KIEFFER, 1908: *Denkschriften der Medizinisch-Naturwissenschaftlichen Gesellschaft zu Jena* **13**: 157. Type-species: Not given. **Preoccupied**. Junior homonym of *Trissocladius* Kieffer, 1908 (above).
- brevipalpis** KIEFFER in KIEFFER & THIENEMANN, 1908: *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 4 (*Trissocladius*). Type-locality: [Germany] “Greifswald”. — Distr.: **PA**: Belgium, Denmark, Finland, Germany, Great Britain, Hungary, Ireland, Lithuania, Mongolia, Morocco, Netherlands, Poland, Romania, Russia (CET, East Siberia), Spain, Sweden, ¶Yugoslavia.
- longipennis* KIEFFER in KIEFFER & THIENEMANN, 1908: *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 4 (*Trissocladius*; as var. of *brevipalpis* Kieffer, 1908). Type-locality: [Germany] “Greifswald”.
- ater* KIEFFER in KIEFFER & THIENEMANN, 1908: *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 4 (*Trissocladius*; as var. of *brevipalpis* Kieffer, 1908). Type-locality: [Germany] “Greifswald”.
- nigerrimus* GOETGHEBUER, 1919: *Annales de Biologie Lacustre* **9**(1/3): 59 (*Trissocladius*). Type-locality: {Belgique} “dans un fossé à Tronchiennes” [= in

a ditch at Tronchiennes] [Belgique = Belgium] || ▶ Type-locality: {Belgique} [p. 24] “à Tronchiennes”; [p. 189] “Les Flandres”, [Belgique = Belgium], in Goetghebuer, 1921: *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 91 ◀ ||. [Note]

nigerrimus GOETGHEBUER, 1921: *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 92 (*Trissocladius*). Type-locality: {Belgique} [p. 24] “à Tronchiennes”; [p. 189] “Les Flandres” [Belgique = Belgium]. [Note]

heterocerus KIEFFER in KIEFFER & THIENEMANN, 1908: *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 5 (*Trissocladius*). Type-locality: [Germany] “Greifswald”. — Distr.: **PA**: Denmark, Germany. [Note]

Genus **TRONDIA** FERRINGTON & SÆTHER

TRONDIA FERRINGTON & SÆTHER, 2006: *Aquatic Insects* **28**(4): 247. Type-species: *Trondia anderseni* Ferrington & Sæther, 2006, by original designation.

anderseni FERRINGTON & SÆTHER, 2006: *Aquatic Insects* **28**(4): 247 (*Trondia*). Type-locality: “Australia: Western Australia, 4 km w. King Cascade”. — Distr.: **AU**: Australia (Western Australia).

Genus **TSUDAYUSURIKA** SASA

TSUDAYUSURIKA SASA, 1985: *Research Report from the National Institute for Environmental Studies* **83**: 62. Type-species: *Tsundayusurika fudosecunda* Sasa, 1985, by original designation.

cladochaita WANG, 1995: *Acta Scientiarum Naturalium Universitatis Nankainensis* **28**(2): 49 (*Tsundayusurika*). Type-locality: “China:Guangdong ,Fengkai, Heishiding Natural Conservation”. — Distr.: **OR**: China (Guangdong).

fudosecunda SASA, 1985: *Research Report from the National Institute for Environmental Studies* **83**: 62 (*Tsundayusurika*). Type-locality: {southern Kyushu, Japan} “on the shore of Lake Fudo”. — Distr.: **PA**: Japan, Russia (Far East).

multiannulata (TOKUNAGA, 1940): *Philippine Journal of Science* **72**(3): 287 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Taiwan] “Arisan, Formosa”. — Distr.: **OR**: Taiwan.

yufunivea (SASA & SUZUKI, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 98 (*Epoicocladius*). Type-locality: [Japan] [page 93] “Yufuin Town (Oita Prefecture)”. — Distr.: **PA**: Japan.

Genus **TVETENIA** KIEFFER

TVETENIA KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 12. Type-species: *Tvetenia duodenaria* Kieffer, 1922, by monotypy.

altimontana (TOKUNAGA, 1966): *Results of the Kyoto University Scientific Expedition to the Karakorum and Hindukush, 1955 (Additional Reports)* **7**: 282 (*Nanocladius*). Type-locality: “Mt. Noshaq, 3800 m, NE. Afghanistan”. — Distr.: **PA**: Afghanistan.

bavarica (GOETGHEBUER, 1934): *Bulletin et Annales de la Société Entomologique de Belgique* **74**(10): 343 (*Eukiefferiella*). Type-locality: [Germany] “Laintalwasserfall bei Mittenwald à 950 m. d’altitude (G.-P.)” [= Laintal Waterfall near Mittenwald at an altitude of 950 metres (Garmisch-Partenkirchen)]. — Distr.: **PA**: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Lebanon, Luxembourg, Morocco, Norway, Poland, Portugal, Romania, Russia (CET, NET), Sardinia, Slovakia, Spain, Sweden, Switzerland, Turkey, ¶Yugoslavia. [Note]

boreomontana MAKARCHENKO & MAKARCHENKO, 2006: *Russian Entomological Journal* **15**(1): 75 (*Tvetenia*). Type-locality: {Russian Far East} “unnamed stream of Egvekinot-Iultin motorway in environs of 105 km, Chukotski Peninsula, Kresta Bay”. — Distr.: **PA**: Russia (Far East).

calvescens (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**:

353 (*Spaniotoma (Eukiefferiella)*). Type-localities: [Great Britain] “Ilkley, Yorks.” [Yorks. = Yorkshire]; “Salisbury”; “Colwich Park, Staffs.” [Staffs. = Staffordshire]; “Snailbeach, Salop” [Salop = Shropshire]; “Austwick, Yorks.” [Yorks. = Yorkshire]; “Melkintorpe, Westmorland”. — Distr.: **NE**: U.S.A. (New Mexico, Ohio); **PA**: Andorra, Austria, Belarus, Belgium, Bulgaria, Corsica, Czech Republic, Denmark, Estonia, Faroe Islands, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Latvia, Lebanon, Luxembourg, Mongolia, Morocco, Netherlands, Norway, Novaya Zemlya, Poland, Portugal, Romania, Russia (CET, NET), Slovakia, Spain, Sweden, Switzerland, Turkey; **AF**: D.R.Congo, Ethiopia, South Africa. [**Note**]

lobulifera (GOETGHEBUER, 1935): *Encyclopédie Entomologique, B-II, Diptera* **8**: 9 (*Eukiefferiella*). Type-locality: [Germany] “à Partenkirchen”.

debilis (SINHARAY & CHAUDHURI in SINHARAY, CHAUDHURI & CHAUDHURI, 1978): *Oriental Insects* **12**(3): 349 (*Eukiefferiella*). Type-locality: “INDIA: WEST BENGAL: Pankhabari”. — Distr.: **OR**: India (West Bengal).

discoloripes (GOETGHEBUER & THIENEMANN in THIENEMANN, 1936): *Stettiner Entomologische Zeitung* **97**(1): 51 (*Eukiefferiella*). Type-locality: [Germany] “aus dem Dorfbach von Schaalby bei Schleswig” [= from the village stream of Schaalby near Schleswig]. — Distr.: **PA**: Armenia, Austria, Belarus, Bulgaria, Corsica, Czech Republic, Denmark, Estonia, Finland, France, Germany, Great Britain, Hungary, Ireland, Italy, Luxembourg, Moldova, Morocco, Netherlands, Novaya Zemlya, Poland, Russia (CET, NET, West Siberia), Slovakia, Spain, Turkey, ¶Yugoslavia. [**Note**]

concoloripes (THIENEMANN, 1919): *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 27 (*Dactylocladius*; as var. of “*discoloripes* Kieffer”). Localities: [Germany] “Lutterbach, Stau vor der Niemöllerschen Mühle in Quelle bei Brackwede” [= Westphalia: Lutterbach (a stream), impoundment at the Niemöller mill in a spring at Brackwede]; “Sassendorfer Dorfbach” [= Sassendorf village stream].

Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

rufescens (THIENEMANN, 1936): *Stettiner Entomologische Zeitung* **97**(1): 53 (*Eukiefferiella*; as var. of *discoloripes* Goetghebuer, 1936). Type-locality: [Germany] “Holstein: Auf einem Kalktuffblock eines Quellabflusses am Dieksee” [= Holstein: On a limestone tufa boulder from a spring outflow on Dieksee]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

duodenaria KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 12 (*Tvetenia*). Type-locality: [Russia] {Nouvelle-Zemle} “Baye Pomorskaye, Detroit Matotchkin” [Lectotype designation in Sæther & Halvorsen, 1981: *Entomologica Scandinavica Supplement* **15**: 278, “Pomorskaya Bay, Matotckin Narrows, Novaya Zemlya”]. — Distr.: **NE**: Canada (Nunavut, Yukon Territory); **PA**: Finland, Latvia, Novaya Zemlya, Poland, Portugal, Romania, Russia (Far East), Sweden.

saanensis (WÜLKER, 1959): *Archiv für Hydrobiologie Supplement* **25**(1): 50 (*Eukiefferiella*). Type-locality: “eine Rheokrene des Skiurdsjoki am Nordhang des Saana im äußersten NW-Zipfel von Finnisch-Lappland” [= a rheocrene of the Skiurdsjoki on the northern slope of the Saana in the far north-west of Finnish Lapland].

furudotertia (SASA & ARAKAWA, 1994): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1994**: 95 (*Eukiefferiella*). Type-locality: [Japan] [Introduction, p. 88] “Furudo . . . a man-made lake constructed in a hilly area of Ikeda, southern part of Toyama-shi”. — Distr.: **PA**: Japan.

ginzanopea (SASA & SUZUKI, 2001): *Tropical Medicine* **43**(1/2): 21 (*Eukiefferiella*). Type-locality: {Hokkaido, Japan} “Ginzan”. — Distr.: **PA**: Japan.

gotogehea (SASA & SUZUKI, 2001): *Tropical Medicine* **42**(3/4): 157 (*Eukiefferiella*). Type-locality: {Goto Islands, Western Japan} “Wani River”. — Distr.: **PA**: Japan.

- jokasexta** (SASA & OGATA, 1999): *Medical Entomology and Zoology* **50**(2): 97 (*Eukiefferiella*). Type-locality: {Japan} [Abstract, p. 85] “Kurobe Municipal Sewage Treatment Plant (Kurobe Joka Center)”; [p. 97] “on a stream discharging the sewage treated water”. — Distr.: **PA**: Japan.
- nagaokensis** (TOKUNAGA, 1964): *Akitu* **12**: 18 (*Orthocladius* (*Orthocladius*)). Type-locality: “Honshu, Japan . . . Mt. Yukyu, Nagaoka, Niigata Pref.”. — Distr.: **PA**: Japan. [Note]
- paucunca** (SÆTHER, 1969): *Bulletin of the Fisheries Research Board of Canada* **170**: 46 (*Eukiefferiella*). Type-locality: [Canada] “large mountain stream, Rowe Creek, above highway to Cameron Lake, Waterton National Park, Alta.” [Alta. = Alberta]. — Distr.: **NE**: Canada (Alberta, Northwest Territories, Manitoba, Ontario, Yukon Territory), U.S.A. (Georgia, Michigan, North Carolina, Ohio, South Carolina); **PA**: Novaya Zemlya, Romania, Russia (East Siberia). [Note]
- taishoefea** (SASA & TANAKA, 2001): *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **33**: 55 (*Eukiefferiella*). Type-locality: {Japan} [Abstract, p. 41] “Tone River, Gunma Prefecture”; [p. 55] “Taisho Bridge”. — Distr.: **PA**: Japan.
- tamaflava** (SASA, 1981): *Research Report from the National Institute for Environmental Studies* **29**: 6 (*Eukiefferiella*). Type-locality: {Japan, Tama River, Minamiasakawa River} “Station No. 2”. — Distr.: **PA**: Japan, Russia (Far East).
- kibunesagittaria* (SASA, 1989): *Research Report Toyama Prefectural Environmental Pollution Research Center* **1989**: 58 (*Synorthocladius*). Type-locality: [Japan] [p. 54] “Kibune River”; [p. 58] “St. C”.
- togaeuquarta** (SASA & OKAZAWA, 1992): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**: 111 (*Eukiefferiella*). Type-locality: {Japan} [Introduction, p. 92] “Toga-mura . . . in the southern mountainous part of Toyama Prefecture”; [p. 112] “at Momose”. — Distr.: **PA**: Japan.

- togaeuquarta* (SASA & OKAZAWA, 1991): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 119 (*Eukiefferiella*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.
- tokaraopea** SASA & SUZUKI, 1995: *Japanese Journal of Sanitary Zoology* **46**(3): 280 (*Tvetenia*). Type-locality: {Tokara Islands, Japan} “Nakanoshima”. — Distr.: **OR**: Japan (Ryukyu Archipelago).
- tonedeea** (SASA & TANAKA, 2000): *Annual Report of Gunma Prefecture Institute of Public Health and Environmental Sciences* **32**: 39 (*Eukiefferiella*). Type-locality: {Japan} [Title, p. 38] “Tone River, Gunma Prefecture”; [p. 40] “at Fukushima Bridge”. — Distr.: **PA**: Japan.
- tonegehea** (SASA & TANAKA, 2000): *Annual Report of Gunma Prefecture Institute of Public Health and Environmental Sciences* **32**: 41 (*Eukiefferiella*). Type-locality: {Japan} [Title, p. 38] “Tone River, Gunma Prefecture”; [p. 41] “at Taisho Bridge”. — Distr.: **PA**: Japan.
- toyamaijea** (SASA, 1996): *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (March)**: 30 (*Eukiefferiella*). Type-locality: [Introduction, p. 16] “Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill”; [p. 17] “at the side of the ground pool “A.” ” [= Lake A, p. 16]. — Distr.: **PA**: Japan.
- tshernovskii** (PANKRATOVA, 1968): *Trudy Zoologicheskogo Instituta, Leningrad* **45**: 253 (*Eukiefferiella*; originally as “*tshernovskij*”; as nom. nov. for *Eukiefferiella* sp. sensu Chernovskii, 1949). Type-localities: [Russia, Northern European Territory] ****v r. Neve**** [= in the River Neva]; ****r. Nevy ot Oreshka do ust'ya r. Slavyanki**** [= River Neva from Oreshka to the mouth of the River Slavyanki]; ****pravogo berega r. Nevy u Novo-Saratovskoi**** [= right bank of the River Neva at Novosaratovsk] [Lectotype designation in Przhiboro &

Sæther, 2010: *Zootaxa* **2675**: 60, [Russia] “r. Volga” [= River Volga]. — Distr.: **NE**: Canada (Ontario, Saskatchewan), U.S.A. (Arizona, California, Florida, Georgia, Michigan, New York, North Carolina, South Carolina); **PA**: Austria, Germany, Great Britain, Kazakhstan, Kyrgyzstan, Norway, Romania, Russia (CET, NET, East Siberia, Far East, West Siberia). [**Note**]

tshernovskij: incorrect original spelling.

vitracies (SÆTHER, 1969): *Bulletin of the Fisheries Research Board of Canada* **170**: 49 (*Eukiefferiella*). Type-locality: [Canada] “fast flowing stream, between miles 6 and 7 on Mando logging road, Kenora, Ont.” [Ont. = Ontario].

verralli (EDWARDS, 1929): *Transactions of the Entomological Society of London* **77**: 348 (*Spaniotoma* (*Orthocladus*)). Type-locality: [Great Britain] “Llangollen, N. Wales”. — Distr.: **PA**: Austria, Balearic Islands, Belgium, Corsica, Czech Republic, Denmark, Finland, France, Germany, Great Britain, Ireland, Italy, Lithuania, Luxembourg, Mongolia, Morocco, Netherlands, Norway, Poland, Portugal, Romania, Russia (NET, East Siberia), Sardinia, Slovakia, Spain, Sweden, Switzerland, Turkey. [**Note**]

nigrofasciata (GOETGHEBUER, 1938): *Bulletin et Annales de la Société Entomologique de Belgique* **78**(11): 461 (*Eukiefferiella*). Type-locality: [Austria] “Basse-Autriche” [= Province of Lower Austria].

? *scanicus* (BRUNDIN, 1956): *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 78 (*Trissocladus*). Type-locality: Schweden . . . an einem Bach bei Sösdala in Schonen” [= Sweden . . . at a stream near Sösdala in Skåne]. **Questionable synonym.**

yakumenea (SASA & SUZUKI, 2000): *Tropical Medicine* **42**(2): 71 (*Eukiefferiella*). Type-locality: {Yakushima Island, Southwestern Japan} “Anbokawa”. — Distr.: **PA**: Japan.

sp.: CRANSTON, OLIVER & SÆTHER, 1989: *Entomologica Scandinavica Supplement* **34**: 250 (*Tvetenia*). Locality: “Afrotropical”. — Distr.: **AF**: Country not specified.

Nomina dubia in TVETENIA

- alpestris* (GOETGHEBUER, 1934): *Bulletin et Annales de la Société Entomologique de Belgique* **74**(3): 91 (*Eukiefferiella*). Type-locality: [Germany] [Title, p. 87] “Environs de Garmisch-Partenkirchen (Haute-Bavière)” [= Vicinity of Garmisch-Partenkirchen (Upper Bavaria); [p. 92] “larves au bord d’une source, à une altitude de 850 m” [= larvae at the margins of a spring, at an altitude of 850 metres]. [Note]
- commutatus* (STORÅ, 1936): *Commentationes Biologicae* **6**(1): 26 (*Orthocladius*). Type-localities: {Kanarischen Inseln} [= Canary Islands] “Palma: La Caldera” [= La Palma: La Caldera]; “Gom.: San Sebastian” [= La Gomera: San Sebastian].

Genus **UBATUBANEURA** WIEDENBRUG & TRIVINHO-STRIXINHO

- UBATUBANEURA** WIEDENBRUG & TRIVINHO-STRIXINHO, 2009: *Zootaxa* **1993**: 44.
Type-species: *Ubatubaneura atlantica* Wiedenbrug & Trivinho-Strixinho, 2009, by original designation.
- atlantica** WIEDENBRUG & TRIVINHO-STRIXINHO, 2009: *Zootaxa* **1993**: 47 (*Ubatubaneura*). Type-locality: “BRAZIL: São Paulo, Ubatuba, Sertão da Quina, upstream of Cachoeira da Renata, 23°30.789'S, 45°14.442'W, 61 m a.s.l.”. — Distr.: **NT**: Brazil.

Genus **UNNIELLA** SÆTHER

- UNNIELLA** SÆTHER, 1982: *Entomologica Scandinavica* **13**(4): 502. Type-species: *Unniella multivirga* Sæther, 1982, by original designation.
- multivirga** SÆTHER, 1982: *Entomologica Scandinavica* **13**(4): 503 (*Unniella*). Type-locality: “U.S.A. . . . backwater area, Blackwater State Park, Milton, Santa Rosa Co., Florida”. — Distr.: **NE**: U.S.A. (Florida, Georgia, North Carolina, South Carolina).

Genus **VIVACRICOTOPUS** SCHNELL & SÆTHER

- VIVACRICOTOPUS** SCHNELL & SÆTHER, 1988: *Spixiana Supplement* **14**: 49. Type-species: *Vivacricotopus ablusus* Schnell & Sæther, 1988, by original designation.
- ablusus** SCHNELL & SÆTHER, 1988: *Spixiana Supplement* **14**: 53 (*Vivacricotopus*). Type-locality: “Viva, Jostedøla river, Luster, Sogn & Fjordane, Norway”. — Distr.: **PA**: Finland, Mongolia, Norway, Russia (East Siberia. ?Far East).
- elgandzha** MAKARCHENKO & MAKARCHENKO, 2005: *Evrziatskii Entomologicheskii Zhurnal* **4**(1): 75 (*Vivacricotopus*). Type-locality: **Rossiya, Khabarovskii kr., Chegdomynskii r-n, okr. pos. Chegdomyn, r. Él'gandzha** [= Russia, Khabarovsk Krai, Chegdomynskii district, vicinity of the settlement of Chegdomyn, River Él'gandzha]. — Distr.: **PA**: Russia (Far East).
- piloculus** (CRANSTON & OLIVER, 1988): *Canadian Entomologist* **120**(5): 435 (*Hydrobaenus*). Type-locality: “CANADA: Northwest Territories, District of Franklin, Banks Island, Masik River”. — Distr.: **NE**: Canada (Northwest Territories); **PA**: Russia (East Siberia, Far East).
- sp. 1: MAKARCHENKO & MAKARCHENKO, 2005: *Evrziatskii Entomologicheskii Zhurnal* **4**(1): 79 (*Vivacricotopus*). Type-locality: **Rossiya, Amurskaya obl., bassein Zeiskogo vodokhranilishcha, r. Pal'paga v raione mosta avtomobil'nogo trassy mezhdyy g. Zeya i pos. Verkhnezeisk** [= Russia, Amur Oblast, basin of the Zeiskogo Reservoir, River Pal'paga in the vicinity of the automobile bridge on the route between the town of Zeya and the settlement of Verkhnezeisk]. — Distr.: **PA**: Russia (Far East).

Genus **XYLOTOPUS** OLIVER

- XYLOTOPUS** OLIVER, 1982: *Canadian Entomologist* **114**(2): 167. Type-species: *Orthocladius par* Coquillett, 1901, by original designation.
- amamiapiatus** (SASA, 1990): *Japanese Journal of Experimental Medicine* **60**(3): 126 (*Eurycnemus*). Type-locality: {Amami Island, Nansei Islands, southern Japan} “at the side of Yakkachi River”. — Distr.: **OR**: Japan (Ryukyu Archipelago).

- burmanensis** OLIVER, 1985: *Canadian Entomologist* **117**(9): 1103 (*Xylotopus*). Type-locality: [Myanmar] “NE Burma, Kambaiti, 7000 ft.”. — Distr.: **OR**: Myanmar.
- par** (COQUILLET, 1901): *Proceedings of the United States National Museum* **23**: 608 (*Orthocladius*). Type-locality: [U.S.A.] “Riverton, New Jersey”. Senior secondary homonym of *Orthocladius par* Johannsen, 1905. — Distr.: **NE**: Canada (Nova Scotia, Ontario), U.S.A. (Alabama, Florida, Georgia, Maine, Michigan, New Jersey, New York, North Carolina, Ohio, South Carolina, Tennessee, Texas, Utah).
- scitulus* (COQUILLET, 1901): *Proceedings of the United States National Museum* **23**: 608 (*Eurycnemus*). Type-locality: [U.S.A.] “Riverton, New Jersey”.
- par* (JOHANNSEN, 1905): *Bulletin of the New York State Museum* **86**: 301 (*Metriocnemus*). Type-localities: [U.S.A.] “Axton, N. Y.” [N. Y. = New York]; “New Jersey”. **Preoccupied**. Junior secondary homonym of *Orthocladius par* Coquillett, 1901.

Genus **ZALUTSCHIA** LIPINA

- ZALUTSCHIA** LIPINA, 1939: *Trudy Laboratorii Sapropelevykh Otlozhenii Akademii Nauk SSSR* **1**: 106 (in English summary). Type-species: *Zalutschia zalutschicola* Lipina, 1939, by monotypy.
- KARELIA** CHERNOVSKII, 1939: *Zoologicheskii Zhurnal* **17**(6): 1043. Type-species: *Karelia perfilievi* Chernovskii, 1939 [= *Zalutschia zalutschicola* Lipina, 1939], by monotypy. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. Synonymized with *Zalutschia* Lipina, 1939, by Chernovskii (1949: *Opredeliteli po Faune SSSR* **31**: 170).
- [Note]

- briani** SOPONIS, 1979: *Entomologica Scandinavica Supplement* **10**: 125 (*Zalutschia*). Type-locality: [U.S.A.] “Florida, Santa Rosa Co., Bear Lake in Blackwater State Forest”. — Distr.: **NE**: U.S.A. (Florida, North Carolina, South Carolina).
- furcarca** SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 217

(*Zalutschia*). Type-locality: [Canada] “Lake Shore, Clyde, Baffin Island, N.W.T.” [N.W.T. = Northwest Territories; type-locality now in Nunavut Province]. — Distr.: NE: Canada (Nunavut).

humphriesiae DOWLING & MURRAY, 1980: *Acta Universitatis Carolinae Biologica* **1978**: 49 (*Zalutschia*). Type-locality: {Ireland} “Featherbed Mountain, Co. Dublin. (IGR O 135 195)”. — Distr.: PA: ?Finland, Great Britain, Ireland, Morocco, Netherlands, Norway, Portugal, Spain. [Note]

humphresiae: incorrect subsequent spelling.

lingulata SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 222 (*Zalutschia*). Type-locality: [Canada] “Otter Lake, Lanark Co., Ont.” [Ont. = Ontario]. — Distr.: NE: Canada (British Columbia, Ontario, Québec), U.S.A. (Indiana, Michigan, New York).

pauca SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 228 (*Zalutschia*; as subspecies of *lingulata* Sæther, 1976). Type-locality: [Canada] “Marion Lake, B.C.” [B.C. = British Columbia].

teres SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 233 (*Zalutschia*; as forma of *lingulata* Sæther, 1976). Locality: [Canada] “Norman Wells, N.W.T.” [N.W.T. = Northwest Territories]. Unavailable name proposed as a “variety” or “form” after 1960 contrary to Article 15.2 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

mallae TUISKUNEN in TUISKUNEN & LINDEBERG, 1986: *Annales Zoologici Fennici* **23**(4): 388 (*Zalutschia*). Type-locality: “Finland, Le, Enontekiö, Kilpisjärvi, Pikku Malla (767:25)”. — Distr.: PA: Finland, Norway, Russia (NET).

megastyla (SHILOVA, 1971): *Trudy Instituta Biologii Vnutrennikh Vod* **22**(25): 123 (*Trissocladius*). Type-locality: [Russia, Central European Territory, Yaroslavl Oblast, Borok] **vremennykh luzhakh vblizi Instituta biologii vnutrennikh vod AN SSSR** [= temporary pool near the Institute of Biology of Inland Waters of the Academy of Sciences of the USSR]. — Distr.: PA: Russia (CET, NET), Turkey.

mucronata (BRUNDIN, 1949): *Reports from the Institute of Freshwater Research, Drottningholm* **30**: 819 (*Trissocladius*). Type-locality: [Sweden] “Moorkolk Grimsgöl in Småland” [= Bog pond Grimsgöl in Småland]. — Distr.: **PA**: Estonia, Finland, Hungary, Lithuania, Moldova, Netherlands, Norway, Novaya Zemlya, Poland, Romania, Russia (CET, NET, SET, East Siberia, West Siberia), Slovakia, Sweden, ¶Yugoslavia.

? *potamophilus* (CHERNOVSKII, 1949): *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 149 (*Orthocladius*). Type-locality: Not given. **Questionable synonym.**

obsepta (WEBB, 1969): *Journal of the Kansas Entomological Society* **42**(1): 91 (*Orthocladius*). Type-locality: [Canada] “Costello Lake, Algonquin Park, Haliburton County, Ontario”. — Distr.: **NE**: Canada (Ontario, Québec).

pusa SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 234 (*Zalutschia*). Type-locality: [Canada] “1 mile west of Whiteshell Provincial Park, Man., on TransCanada highway” [Man. = Manitoba]. — Distr.: **NE**: Canada (Manitoba).

tatrica (PAGAST in ZAVŘEL & PAGAST, 1935): *Časopis České Společnosti Entomologické* **32**(4): 156 (*Spaniotoma*). Type-localities: [Slovakia] “in Hoher Tatra . . . tümpelartigen Seen, deren Tiefe kaum 1 m erreicht” [= in the High Tatra . . . pond-like lakes, whose depth barely reaches 1 metre]; “»Furkotské nižní«, 1635 m”; “Tümpel über dem See »Pleso nad skokem«, 1850 m” [= Pond above the lake »Pleso nad skokem«, 1850 metres]; “»Velké sesterské«, 1940 m”; “»Studené I.«, 1802 m”; “am Ufer des tiefen Sees »Štrbské pleso« erbeutet (1350 m)” [= captured on the shore of the deep lake »Štrbské pleso« (1350 metres)]. — Distr.: **NE**: U.S.A. (Alaska); **PA**: Austria, Czech Republic, Finland, Italy, Norway, Poland, Russia (NET, Far East), Slovakia, Spitzbergen, Sweden.

tornetraeskensis (EDWARDS & THIENEMANN in THIENEMANN, 1941): *Archiv für Hydrobiologie Supplement* **17**: 211 (*Trissocladius*; [pp. 102, 174] as “*tornetraeskensis*” and [pp. 211-125] as “*torneträskensis*”). Type-locality:

{Schwedisch-Lappland} “Shore of Lake Torneträsk”. — Distr.: **PA**: Finland, Norway, Novaya Zemlya, Poland, Russia (NET), Sweden, Turkey. [**Note**]

torneträskensis, *tornetraskensis*: incorrect original spellings.

tornetraeskensis: **Not Nearctic**.

? *fontinalis* (CHERNOVSKII, 1949): *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 149 (*Orthocladius*). Type-localities: [Russia] ****naidena v . . . Fontinalis distrofnogo ozera pod Leningradom**** [= found in . . . *Fontinalis* in a dystrophic lake near Leningrad (now Saint Petersburg)]. [**Note**].

? *korosiensis* (CHERNOVSKII, 1949): *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 144 (*Orthocladius*). Type-locality: [Russia] ****v ruch'yakh, naidena pod Leningradom**** [= in rivers, found near Leningrad] [Leningrad, now = Saint Petersburg].

trigonacies SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 242 (*Zalutschia*). Type-locality: [Canada, Nunavut] “Hazen Camp, Ellesmere Island, N.W.T.” [N.W.T. = Northwest Territories; type-locality now in Nunavut Province]. — Distr.: **NE**: Canada (Nunavut), U.S.A. (Alaska); **PA**: Russia (East Siberia, Far East).

vockerothi SÆTHER, 1976: *Bulletin of the Fisheries Research Board of Canada* **195**: 219 (*Zalutschia*). Type-locality: [Canada] “Old Chelsea, Que.” [Que. = Québec]. — Distr.: **NE**: Canada (Québec).

xethis (ROBACK, 1957): *Proceedings of the Academy of Natural Sciences of Philadelphia* **109**: 13 (*Hydrobaenus*). Type-locality: [U.S.A.] “Heber-Midway Bridge, Wasatch County, Utah”. — Distr.: **NE**: U.S.A. (Utah).

zalutschicola LIPINA, 1939: *Trudy Laboratorii Sapropel'nykh Otlozhenii Akademii Nauk SSSR* **1**: 96, 106 (*Zalutschia* [p. 106]; as “G? larva *zalutschicola* g. n.” [p. 96]). Type-locality: [Russia, Central European Territory] **** v oz. Chernom**** [= in Chenoye Lake]. — Distr.: **NE**: Canada (Manitoba, Northwest Territories, Saskatchewan), U.S.A. (Alaska, New Hampshire); **PA**: Denmark, Germany,

Finland, Norway, Russia (CET, NET, East Siberia, Far East), Sweden.

naumanni (BRUNDIN, 1949): *Reports from the Institute of Freshwater Research, Drottningholm* **30**: 823 (*Orthocladius*; as “*Naumanni*”). Type-locality: [Sweden] “aus dem Skärshultsjön in Småland” [= from Skärshultsjön in Småland].

perfilievi (CHERNOVSKII, 1939): *Zoologicheskii Zhurnal* **17**(6): 1043 (*Karelia*). Type-locality: [Russia, Northern European Territory] **Ozero Korozi-lamba** [= Lake Korozi-lamba]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**. [Note]

Generically Unplaced Valid ORTHOCLADIINAE

adjectus TOKUNAGA, 1964: *Insects of Micronesia* **12**(5): 508 (*Metriocnemus*); as “*adjecta*”).

Type-locality: [Belau] “Ulimang, Babelthuap I., Palau”. — Distr.: **AU**: Belau; **OC**: Federated States of Micronesia.

aequalis KIEFFER, 1917: *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 227 (*Cricotopus*). Type-locality: [Papua New Guinea] “Nouvelle-Guinea: Sattelberg, Huon Golf” [= New Guinea: Sattelberg, Huon Gulf]. — Distr.: **AU**: Papua New Guinea.

albiclava KIEFFER, 1923: *Annales de la Société Entomologique de France* **92**: 183 (*Trichocladius*). Type-locality: “Cameroun : Kribi” [Cameroun = Cameroon]. — Distr.: **AF**: Cameroon.

albitarsis EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 286 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Argentina] “L. Correntoso”. — Distr.: **NT**: Argentina.

aurantiacus EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 273 (*Metriocnemus*). Type-locality: [Chile] “Casa Pangué”. — Distr.: **NT**: Chile.

brachypus EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 279 (*Spaniotoma* (*Trichocladius*)). Type-locality: [Argentina] “R. Pichileufu” [= River Pichi

Leufu]. — Distr.: **NT**: Argentina.

brundini MAKARCHENKO & MAKARCHENKO, 2008: *Russian Entomological Journal* **17**(2): 220 (*Pseudosmittia*). Type-locality: “Sporny Stream, Sikhtoe-Alin’ Biosphere Nature Reserve, Primorye Territory, Russian Far East”. — Distr.: **PA**: Russia (Far East). [**Note**]

calomicra EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 285 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Argentina] “Puerto Blest”. — Distr.: **NT**: Argentina.

campestris HARDY, 1960: *Insects of Hawaii* **10**: 138 (*Orthocladius* (*Smittia*)). Type-locality: {Hawaiian Islands} “Ewa, Oahu”. — Distr.: **OC**: Hawaiian Islands (Oahu Island).

ceylanicus KIEFFER, 1912: *Spolia Zeylanica* **8**: 21 (*Dactylocladius*). Type-locality: [Sri Lanka] {Ceylan} “Peradeniya”. — Distr.: **OR**: Sri Lanka.

davisi HARDY, 1960: *Insects of Hawaii* **10**: 131 (*Orthocladius* (*Orthocladius*)). Type-locality: {Hawaiian Islands} “Kaula Gulch, Hawaii, 7,000 ft.”. — Distr.: **OC**: Hawaiian Islands (Hawaii Island).

despectus KIEFFER, 1923: *Annales de la Société Linnéene de Lyon* **69**: 39 (*Camptocladius*). Type-locality: [Taiwan] {Formosa} “Taihoku”. — Distr.: **OR**: Taiwan. [**Note**]

dichromus EDWARDS, 1929: *Notulae Entomologicae* **9**(1): 7 (*Camptocladius*). Type-locality: {Philippines} “Balbalasang”. — Distr.: **OR**: Philippines.

eurycnemoides EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 284 (*Spaniotoma* (*Orthocladius*)). Type-locality: [Argentina] “L. Nahuel Huapi, eastern end”. — Distr.: **NT**: Argentina.

famijekeus SASA, 1996: *Research Report from Toyama Prefectural Environmental Pollution Research Center 1996 (March)*: 59 (*Epoicocladius*). Type-locality: [Introduction, p. 16] “Japan . . . in the zoological garden called Toyama City Family Park on the foot of Kureha Hill”; [p. 47] “at the side of Rokusen Lake” [= Lake B, p. 16]. — Distr.: **PA**: Japan.

fasciventris EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 319 (*Metriocnemus*). Type-locality: [Argentina] “San Isidro, Buenos Aires”. — Distr.: **NT**: Argentina.

- fernandezensis** WIRTH, 1952: *Revista Chilena de Entomología* **2**: 101 (*Hydrobaenus (Limnophyes)*). Type-locality: {Chile, Juan Fernández Islands} “MASATIERRA, Miradero de Selkirk, 550 m.”. — Distr.: **NT**: Juan Fernández Islands.
- flavus** KIEFFER, 1910: *Memoirs of the Indian Museum* **2**(4): 242 (*Conocladius*). Type-locality: [India] “Calcutta” [now = Kolkata]. — Distr.: **OR**: India (West Bengal). [Note]
- formosanus** KIEFFER, 1923: *Annales de la Société Linnéenne de Lyon* **69**: 39 (*Camptocladius*). Type-localities: [Taiwan] {Formosa} “Chosokei”; “Taihoku”. — Distr.: **OR**: Taiwan. [Note]
- grimshawi** HARDY, 1960: *Insects of Hawaii* **10**: 132 (*Orthocladius (Orthocladius)*). Type-locality: {Hawaiian Islands} “Nahiku, Maui”. — Distr.: **OC**: Hawaiian Islands (Hawaii Island, Kauai Island, Maui Island, Oahu Island).
- griseovittatus** EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 271 (*Metriocnemus*). Type-locality: [Argentina] “Bariloche”. — Distr.: **NT**: Argentina.
- herbicolus** HARDY, 1960: *Insects of Hawaii* **10**: 147 (*Metriocnemus*). Type-locality: {Hawaiian Islands} “Mount Tantalus, Oahu, . . . from lush vegetation on side of trail”. — Distr.: **OC**: Hawaiian Islands (Oahu Island).
- heteropterus** KIEFFER, 1911: *Records of the Indian Museum* **6**(3): 176 (*Dolichocladius*). Type-locality: [Myanmar] “Dawna Hills, Lower Burma”. — Distr.: **OR**: Myanmar. [Note]
- kadamtullaensis** MAHESHWARI & MAHESHWARI, 2002: *Journal of the Bombay Natural History Society* **98**(3): 410 (*Lindebergia*). Type-locality: “Kadamtulla seashore, Middle Andaman; . . . India . . . Kadamtulla, Andaman and Nicobar Is.”. — Distr.: **OR**: India (Andaman and Nicobar Islands). [Note]
- lateralis** WALKER, 1837: *Transactions of the Linnean Society of London* **17**: 332 (*Chironomus*). Type-locality: [Chile] “Port Famine in the Straits of Magellan”. — Distr.: **NT**: Argentina, Chile. Senior primary homonym of *Chironomus (Cryptochironomus) lateralis* Goetghebuer, 1934 – currently a valid species of

Cladopelma Kieffer, 1921 (Subfamily Chironominae).

? *melas* (PHILIPPI, 1866): *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **15**(4): 600 (*Chironomus*). Type-locality: {Chile} “Von Santiago” [= From Santiago]. **Questionable synonym.** [Note]

? *ioergenseni* KIEFFER, 1910: *Bollettino del Laboratorio di Zoologia Generale e Agraria della Reale Scuola Superiore d'Agricoltura in Portici* **4**: 328 (*Diplocladius*; as “*Iörgenseni*”). Type-locality: “République Argentine: Chacras de Coria”. **Questionable synonym.** [Note]

Iörgenseni: incorrect original spelling.

jörgenseni; *jorgenseni*: incorrect subsequent spellings.

latiforceps EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 278 (*Spaniotoma* (*Trichocladius*)). Type-locality: “Magallanes Territory, S. Chile” [Magallanes = Magallanes]. — Distr.: **NT**: Argentina, Chile.

luteibasis EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 278 (*Spaniotoma* (*Trichocladius*)). Type-locality: [Argentina] “L. Correntoso”. — Distr.: **NT**: Argentina.

magellanica EDWARDS, 1931: *Diptera of Patagonia and South Chile* **2**(5): 298 (*Spaniotoma* (*Smittia*)). Type-locality: [Chile] “Magallanes Territory”. — Distr.: **NT**: Chile.

maorii BRUNDIN, 1964: *Pacific Basin Biogeography*: 431 (*Ljungneria*). Type-locality: “mountain streams of New Zealand”. — Distr.: **AU**: New Zealand (South Island). [Note]

membranisensoria HARDY, 1960: *Insects of Hawaii* **10**: 134 (*Orthocladius* (*Orthocladius*)). Type-locality: {Hawaiian Islands} “Kaula Gulch, Hawaii, 7,000 ft.”. — Distr.: **OC**: Hawaiian Islands (Hawaii Island).

oriplanus KIEFFER, 1911: *Records of the Indian Museum* **6**(5): 346 (*Trichocladius*). Type-locality: [India, West Bengal] “Himalaya oriental: Tonglu, Darjiling district”. — Distr.: **OR**: India (West Bengal).

patagonica BRUNDIN, 1964: *Pacific Basin Biogeography*: 430 (*Ljungneria*). Type-locality: [Argentina, Chile] “mountain streams of the South Andes”. — Distr.: **NT**:

Argentina, Chile. [Note]

- peyerimhoffi** BEZZI, 1916: *Bulletin de la Société d'Histoire Naturelle de l'Afrique du Nord* 7: 96 (*Cataliptus*; as “*Peyerimhoffi*”). Type-locality: [p. 91] “sur les pierres et les parois, tout au fond d'un *tessereft* (aven) du Haïzer (Djurdjura), en Algérie” [= on the rocks and walls, at the bottom of a *tessereft* (aven) of Haïzer (Djurdjura), in Algeria]. — Distr.: **PA**: Algeria.
- restricta** BRUNDIN, 1956: *Reports from the Institute of Freshwater Research, Drottningholm* 37: 170 (*Pseudosmittia*). Type-locality: “Schweden: . . . am Ufer des Bodsjön bei Kälarne in Jämtland” [= Sweden: . . . on the shore of Bodsjön near Kälarne in Jämtland]. — Distr.: **PA**: Sweden, [Note]
- seiryuijeus** SASA, SUZUKI & SAKAI, 1999: *Tropical Medicine* 40(3): 109 (*Limnophyes*). Type-locality: [Abstract, p. 99] “Shimanto River, western Shikoku Island, Japan”; [p. 109] “Nakamura”. — Distr.: **PA**: Japan.
- subrostratus** EDWARDS, 1931: *Diptera of Patagonia and South Chile* 2(5): 272 (*Metriocnemus*). Type-locality: [Argentina] “Puerto Blest”. — Distr.: **NT**: Argentina.
- tenuicrus** KIEFFER, 1911: *Records of the Indian Museum* 6(3): 174 (*Dactylocladius*). Type-locality: [Bangladesh] “E. Bengal, Rajshahi”. — Distr.: **OR**: Bangladesh.
- tonewneous** SASA & TANAKA, 2002: *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* 34: 40 (*Epoicocladus*). Type-locality: {Japan} [Title, p. 27] “Tone River, Gunma Prefecture”; [p. 40] “at Sudagai”. — Distr.: **PA**: Japan.
- tusimomeneus** SASA & SUZUKI, 1999: *Tropical Medicine* 41(2): 89 (*Hydrobaenus*). Type-locality: [Introduction, p. 75] “Tsushima Island . . . western Japan”; [p. 89] “in the town of Izuhara”. — Distr.: **PA**: Japan.
- williamsi** HARDY, 1960: *Insects of Hawaii* 10: 135 (*Orthocladus* (*Orthocladus*)). Type-locality: {Hawaiian Islands} “Honolulu, H.S.P.A. Expt. Sta.” [= Honolulu, Hawaiian Sugar Planters' Association Experimental Station]. — Distr.: **OC**: Hawaiian Islands (Hawaii Island, Oahu Island).

Nomina dubia in ORTHOCLADIINAE

- CATALIPTUS* BEZZI, 1916: *Bulletin de la Société d'Histoire Naturelle de l'Afrique du Nord* 7: 94. Type-species: *Cataliptus peyerimhoffi* Bezzi, 1916, by original designation. [Note]
- CONOCLADIUS* KIEFFER, 1910: *Memoirs of the Indian Museum* 2(4): 242. Type-species: *Conocladus flavus* Kieffer, 1910, by monotypy. [Note]
- DACTYLOCLADIUS* KIEFFER, 1906: *Genera Insectorum* 42: 26 (as subgenus of *Orthocladus* Wulp, 1874). Type-species: *Orthocladus brevicornis* Kieffer, 1906, by subsequent designation of Kieffer (1906: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* 30: 356). Senior homonym of *Dactyocladus* Kieffer, 1906 (below).
- DACTYLOCLADIUS* KIEFFER, 1906: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* 30: 356 (as subgenus of *Orthocladus* Wulp, 1874). Type-species: *Orthocladus brevicornis* Kieffer, 1906, by original designation. **Preoccupied**. Junior homonym of *Dactyocladus* Kieffer, 1906 (above).
- DOLICHOCLADIUS* KIEFFER, 1911: *Records of the Indian Museum* 6(3): 176. Type-species: *Dolichocladus heteropterus* Kieffer, 1911, by monotypy.
- EUTRICHOCCLADIUS* GOWIN, 1943: *Archiv für Hydrobiologie* 40(1): 114. Type-species: *Eutrichocladus strenzkei* Gowin, 1943, by monotypy.
- MICROCLADIUS* KIEFFER, 1908: *Denkschriften der Medizinisch-Naturwissenschaftlichen Gesellschaft zu Jena* 13: 157. Type-species: Not given. [Note]
- PSEUDHYDROBAENUS* BRÈTHES, 1913: *Boletín del Museo Nacional de Chile* 4(2): 219 (as “*Pseudhydrobænus*” and “*Pseudhidrobænus*”). Type-species: *Pseudhydrobaenus porteri* Brèthes, 1913, by monotypy. [Note]
- PSEUDHIDROBAENUS*: incorrect original spelling.
- RHOPALOCCLADIUS* KIEFFER, 1911: *Records of the Indian Museum* 6(5): 347. Type-species: *Rhopalocladus himalayae* Kieffer, 1911, by monotypy.
- SPANIOTOMA* PHILIPPI, 1866: *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* 15(4): 629. Type-species:

Spaniotoma bivittata Philippi, 1866, by subsequent designation of Johannsen (1905: *Bulletin of the New York State Museum* **86**: 162). [Note]

STENOCLADIUS KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 133. Type-species: *Camptocladius heterocerus* Kieffer, 1918, by original designation. **Preoccupied**. Junior homonym of *Stenocladius* Deyrolle & Fairmaire, 1878 (Coleoptera: Lampyridae).

TRICHOCLADIUS KIEFFER, 1906: *Genera Insectorum* **42**: 25. Type-species: *Orthocladius* (*Trichocladius*) *fissicornis* Kieffer, 1906, by monotypy. Senior homonym of *Trichocladius* Kieffer, 1906 (below).

TRICHOCLADIUS KIEFFER, 1906: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **30**: 356 (as subgenus of *Orthocladius* Wulp, 1874). Type-species: *Orthocladius* (*Trichocladius*) *fissicornis* Kieffer, 1906, by original designation. **Preoccupied**. Junior homonym of *Trichocladius* Kieffer, 1906 (above). [Note]

adhaerius PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 134 (*Cricotopus*). Type-localities: [Tajikistan] ****na ploskogor'e Ruidasht**** [= on the Ruidasht Plateau]; ****v r. Varzob**** [= in the River Varzob]; ****r. Lyuchob**** [= River Lyuchob]; ****v doline r. Kafirnigan v Gissarskom**** [= in the valley of the River Kafirnigan at Gissarsk, now River Kafirnigan = River Kofarnihon]; ****v r. Khanakinke**** [= in the River Khanakinke].

aegyptius KIEFFER, 1925: *Bulletin de la Société Royale Entomologique d'Égypte* **8** (1924): 306 (*Cricotopus*). Type-locality: {Egypt} "Maadi".

aestivalis KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 93 (*Acricotopus*). Type-locality: [Germany] "Holstein".

agilis GOETGHEBUER, 1944: *Biologisch Jaarboek* **11**: 41 (*Smittia*). Type-locality: "Grèce : Hellenika" [Grèce = Greece].

albicauda KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 20 (*Phaenocladius*). Type-locality: [Russia] {Nouvelle-Zemble} "Baie Pomorskaya, Detroit Matotchkin".

albiclava KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie*

- (*Mémoires*) **42**: 161 (*Metriocnemus*). Type-locality: [Czech Republic] “Bohême : Königgrätz” [= Bohemia : Hradec Králové].
- albidohalteralis* MALLOCH, 1915: *Bulletin of the Illinois State Laboratory of Natural History* **10**: 528 (*Orthocladius (Dactylocladius)*). Type-locality: [U.S.A.] “Monticello, Ill., . . . on bank of Sangamon River” [Ill. = Illinois].
- albifolium* KIEFFER, 1921: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **40**: 290 (*Camptocladius*). Type-locality: [Latvia] [p. 275] “environs de Libau, en Courlande” [= vicinity of Libau (now Liepaja), in Courland (now Kurzeme)].
- albipennis* KIEFFER in THIENEMANN & KIEFFER, 1916: *Archiv für Hydrobiologie Supplement* **2**(3): 535 (*Metriocnemus*). Type-locality: {Sweden} [footnote, p. 536] “in Jönköping am Ufer des Vättern” [= in Jönköping on the shore of Vättern].
- alboinictus* STROBL, 1880: *Dipterologische Funde um Seitenstetten*: 54 (*Chironomus*). Type-locality: [Austria] {Seitenstetten} “in der Fröschelau” [= in the Fröschelau].
- alboinictus* KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 186 (*Trichocladius*; as var of *atrimanus* Kieffer, 1911). Type-locality: [Introduction] “Allemagne” [= Germany].
- alboclavatus* KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 83 (*Metriocnemus*). Type-locality: [Germany] “Sleswig-Holstein, larves dans un lac” [= Schleswig-Holstein, larvae in a lake].
- albrechti* KIEFFER in ALBRECHT, 1924: *Verhandlungen der Internationalen Vereinigung für theoretische und angewandte Limnologie* **2**: 192 (*Trichocladius*). Type-locality: [Austria] [Title, p. 183] “Mittersees bei Lunz (Nieder-Oesterreich)” [= 'Middle Lake' near Lunz (Province of Lower Austria)].
- algarum* KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 124 (*Trichocladius*). Type-locality: [Turkey] “Asie-Mineure: Karabag” [= Asia Minor: Karabag]. **Preoccupied**. Junior primary homonym of *Trichocladius*

- algarum* Kieffer, 1911 – the latter is now a valid species of *Cricotopus* (*Cricotopus*). [Note]
- algerina* MARCUZZI, 1950: *Annalen des Naturhistorischen Museums in Wien* **57**: 278 (*Smittia*). Type-locality: “Zahrez-Gharbi, Algeria centrale” [= Zahrez-Gharbi, central Algeria].
- algerinus* MARCUZZI, 1950: *Annalen des Naturhistorischen Museums in Wien* **57**: 276 (*Orthocladius*). Type-locality: “Guelt-es-Stel, Algeria centrale” [= Guelt-es-Stel, central Algeria].
- alulatus* GOETGHEBUER, 1934: *Bulletin et Annales de la Société Entomologique de Belgique* **74**(10): 338 (*Metriocnemus*). Type-locality: [Germany] “Larves dans une source, à une altitude de 825 m. environ (G.-P.)” [= Larvae in a spring, at an altitude of about 825 metres (Garmisch-Partenkirchen)].
- amnicolorum* GOETGHEBUER, 1935: *Archiv für Hydrobiologie* **28**: 604 (*Orthocladius* (*Dactylocladius*)). Type-locality: [Germany] [Anmerkung = Note, p. 604] “aus der Kossau, einem kleinen, schnellfließenden Flößchen nördlich von Plön (Holstein)” [= from the Kossau, a small, fast-flowing stream north of Plön (Holstein)].
- ampullaceus* KIEFFER in KIEFFER & THIENEMANN, 1908: *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 7 (*Trichocladius*). Type-locality: [France] “Lothringen: Phillipsburg” [= Lorraine: Phillipsbourg].
- angorensis* KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 131 (*Camptocladius*). Type-locality: [Turkey] “Asie-Mineure: Angora” [= Asia Minor: Ankara].
- angustipennis* STROBL, 1895: *Mitteilungen des Naturwissenschaftlichen Vereins für Steiermark* **31**(1894): 191 (*Metriocnemus*). Type-locality: [Austria] {Steiermark} “Auf Sumpfwiesen der Krumau bei Admont” [= On the swamp meadows of Krumau near Admont]. [Note]
- anomalus* KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 184 (*Camptocladius*). Type-locality: [Introduction] “Allemagne” [= Germany]

|| ► Type-locality: [Germany, Westphalia] “von feuchten Felswänden nahe der Glörsperre” [= from damp rock faces near the Glör Dam] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 76 ◀ ||.

- antennalis* GOETGHEBUER, 1944: *Biologisch Jaarboek* **11**: 39 (*Orthocladius*). Type-locality: “Belgique : Melle (bois)” [= Belgium : Melle (forest)].
- antennalis* KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 84 (*Metriocnemus*). Type-locality: [Poland] “Silésie” [= Silesia].
- aprilinus* KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 68 (*Orthocladius*). Type-locality: [Germany] “Ile de Rügen” [= island of Rügen].
- aprilinus* GOETGHEBUER, 1932: *Bulletin et Annales de la Société Entomologique de Belgique* **71**(11): 216 (*Orthocladius*). Type-locality: “Belgique: La Panne” [Belgique = Belgium]. [Note]
- arcuatus* KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 127 (*Camptocladus*). Type-locality: [India, Maharashtra] “Indes Orientales: Matheran” [= East Indies: Matheran].
- arcuatus* KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 81 (*Metriocnemus*). Type-locality: [France] “Deux-Sèvres : Niort”. [Note]
- argentinensis* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **44**: 83 (*Metriocnemus*). Type-locality: [page 73] “Argentine, aux environs de Alta Gracia, province de Cordoba” [= Argentina, vicinity of Alta Gracia, province of Cordoba].
- articularis* SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 197 (*Orthocladus* (*Orthocladius*)). Type-locality: {Canary Islands} “en la isla de la Palma” [= on the island of La Palma]. [Note]
- articulatus*: incorrect subsequent spelling.
- asetosus* PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 133 (as “*Cricotopus?*”). Type-localities: [Tajikistan] **v rodnike vyshe kurorta Khodzha-obi-garm** [= in springs above Khodzha-Obi-Garm Spa]; **v r.

Kondare** [= in the River Kondar]; **v r. Varzob nizhe g. Varzob** [= in the lower River Varzob at Varzob City]; **r. Kafirnigan bliz Yangi-bazara** [= River Kafirnigan near Yangi-Bazara; now = River Kofarnihon near Vahdat]; **v r. Khanakinke v Gissarskom raione** [= in the River Khanakinke in the Gissarsk District].

ater GOETGHEBUER, 1955: *Bulletin de l'Association Philomathique d'Alsace et de Lorraine* **9**: 167 (*Trichocladius*). Type-locality: “Lac des Feuilles (Groënland occidental) : 900 m. (69° 43'N, 49° 45'W)” [Groënland occidental = east Greenland].

atomus KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 128 (*Camptocladius*). Type-locality: [India, Maharashtra] “Indes Orientales: Matheran, à une hauteur de 800 m.” [= East Indies: Matheran, at a height of 800 metres].

atomus KIEFFER, 1929: *Schriften der Physikalisch-Ökonomischen Gesellschaft zu Königsberg* **66**: 301 (*Dactylocladius*). Type-locality: [Russia, Kaliningrad Region] “ZB . . . *Phragmites*-Zone” [ZB = Zehlaubruch moorland].

atratus KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 383 (*Metriocnemus*). Type-localities: France; “Autriche” [= Austria]; “Allemagne” [= Germany]; “Suède” [= Sweden]. [Note]

atractus: incorrect subsequent spelling.

atriclava KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 95 (*Phaenocladius*). Type-locality: [Poland] “Silésie” [= Silesia].

atriforceps KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 93 (*Acricotopus*). Type-locality: [Poland] “Silésie” [= Silesia].

atriforceps KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 87 (*Trichocladius*). Type-locality: “Allemagne du Nord, lac de Suhre” [= northern Germany, Suhre Lake].

atrimanus KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 186 (*Trichocladius*). Type-locality: [Introduction] “Allemagne” [= Germany] || ► Type-localities: [Germany] “in den Fontinalisbüschen der Diemel bei

Niedermarsberg” [= in *Fontinalis* tufts in the Diemel at Niedermarsberg];
 “Auch aus Thüringen (Gotha)” [= Also from Thuringia (Gotha)], in
 Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für
 Wissenschaft und Kunst* **40**: 76 ◀ ||.

attenuatus KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 102
 (*Orthocladius*). Type-locality: [Poland] “Silésie” [= Silesia].

austriacus GOETGHEBUER, 1938: *Bulletin et Annales de la Société Entomologique de
 Belgique* **78**(11): 455 (*Orthocladius*). Type-locality: [Austria] “en Basse-
 Autriche” [= in the Province of Lower Austria].

autumnalis GOETGHEBUER, 1949: *Bulletin de l'Institut Royal des Sciences Naturelles de
 Belgique* **25**(14): 5 (*Smittia*). Type-locality: “Belgique: Melle (bois)” [=
 Belgium: Melle (forest)].

autumnalis KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie
 (Comptes Rendus)* **44**: 384 (*Cricotopus*). Type-locality: [Germany] “Holstein,
 grand lac de Ploen” [= Holstein, Grosser Plöner See].

bacilliger KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 80
 (*Phaenocladius*). Type-locality: [Germany, Schleswig-Holstein] “Voltigeant au-
 dessus de la mer Baltique” [= Flying over the Baltic Sea]. [Note].

barbatiforceps KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 186
 (*Trichocladius*). Type-locality: [Introduction] “Allemagne” [= Germany]
 || ▶ Type-locality: [Germany, Westphalia] “Wie vorige Art” [= Like the
 previous species], i.e. “im Bruthaus der Fürstenberger Forellenzuchtanstalt am
 Fenster” [= in the hatchery of the Fürstenberg trout rearing facility on the
 window], in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-
 Vereins für Wissenschaft und Kunst* **40**: 76 ◀ ||.

barbatus KIEFFER, 1900: *Annales de la Société Entomologique de France* **68**: 824
 (*Orthocladius*). Type-locality: [France] “à Bitche” [= at Bitche].

bathophilus KIEFFER in THIENEMANN, 1916: *Verhandlungen des Naturhistorischen
 Vereins der Preussischen Rheinlande, Westfalens und des Regierungsbezirks*

Osnabrück 72: 54 (*Camptocladius*). Type-locality: [Germany, Rhineland] [p. 14] “aus den Tiefenmoosen des Gemündener Maares” [= from the deep mosses of the Gemünden Maar]. [Note]

bicolor WALTL, 1837: *Isis* (Oken's) 1837(4): 279 (*Chironomus*). Type-locality: [Germany, Bavaria] [Title, p. 279] “bey Passau” [= at Passau]. Senior primary homonym of *Chironomus bicolor* Zetterstedt, 1838 – the latter is now a junior synonym of *Nanocladius* (*Nanocladius*) *dichromus* (Kieffer, 1906). Senior synonym and senior primary homonym of *Chironomus bicolor* Meigen, 1838 (below). [Note]

bicolor MEIGEN, 1838: *Systematische Beschreibung* 7: 7 (*Chironomus*). Type-locality: [Germany] “Baiern” [= Bavaria]. **Preoccupied**. Junior synonym and junior primary homonym of *Chironomus bicolor* Waltl, 1837 (above). Junior primary homonym of *Chironomus bicolor* Zetterstedt, 1838. [Note]

bicuspis KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* 30: 69 (*Orthocladius*). Type-locality: [Poland] “Silésie” [= Silesia]; [Introduction, p. 11] “sur un haut plateau tourbeux, nommé Seefelder” [= on a highland moor, named Seefelder].

bidens KIEFFER, 1922: *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* 4: 30 (*Camptocladius*). Type-locality: [Title, p. 26] “Européens” [= European, i.e. Europe]. [Note]

bidentatus KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* 30: 69 (*Dactylocladius*). Type-locality: [Germany] “Holstein”. [Note]

bifasciatus MALLOCH, 1918: *Bulletin of the Brooklyn Entomological Society* 13: 42 (*Orthocladius*). Type-locality: [U.S.A.] “Stratford, Ill.” [Ill. = Illinois] [Lectotype designation in Frison, 1927: *Bulletin of the Illinois State Natural History Survey* 16: 173, [U.S.A.] “Stratford, Illinois”].

bifidus KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* 29: 103 (*Orthocladius*). Type-locality: [Poland] “Silésie” [= Silesia].

bifidus KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* 42: 156 (*Trichocladius*). Type-locality: [Czech Republic] “Bohême :

Königgrätz" [= Bohemia : Hradec Králové].

bilobatus KIEFFER, 1915: *Brotéria, Série Zoológica* **13**: 85 (*Orthocladius*; as "*Ortocladius*"). Type-locality: "Frankreich (Dauphiné: Lac de la Fare)" [= France (Dauphiné: Fare Lake)].

binodulus KIEFFER, 1921: *Archiv für Hydrobiologie Supplement* **2**(4): 789 (*Camptocladius*). Type-locality: [Germany] "Mecklenburg: Tollense-See". [Note]

bipilus KIEFFER, 1927: *Sitzungsberichte der Naturforscher-Gesellschaft bei der Universität Tartu* **33**: 63 (*Camptocladius*). Type-localities: "Estonia . . . Pääskülla-Moor bei Nõmme" [= Estonia . . . Pääskülla-Moor near Nõmme; "Zwischenmoor am Pääsküllabach" [= transitional moor on the Pääskülla brook]; "Mävli-Moor, Dagö, Hochfläche" [= Mävli-Moor, Dagö, plateau].

bitensis KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 383 (*Metriocnemus*). Type-locality: [France] "Bitche".

biverticillatus GOETGHEBUER, 1938: *Bulletin et Annales de la Société Entomologique de Belgique* **78**(11): 455 (*Orthocladius*). Type-locality: "dans le Tyrol autrichien" [= in the Austrian Tyrol].

bivittata PHILIPPI, 1866: *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **15**(4): 629 (*Spaniotoma*). Type-locality: {Chile} "prope Santiago" [= near Santiago]. [Note]

boliviensis KIEFFER, 1917: *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 361 (*Dactylocladius*). Type-locality: "Bolivie : Cillutincara" [Bolivie = Bolivia].

bonolai GOETGHEBUER, 1931: *Bollettino di Zoologia* **2**: 135 (*Orthocladius*). Type-locality: [Title] [Norway] "Svalbard Nord-Orientale" [= north-eastern Svalbard].

borealis KIEFFER, 1913: *Bulletin de la Société d'Histoire Naturelle de Metz* **28**: 60 (*Dactylocladius*). Type-locality: [Introduction] "Islande" [= Iceland].

borealis KIEFFER in KIEFFER & THIENEMANN, 1919: *Entomologische Mitteilungen* **8**: 118 (*Metriocnemus*). Type-locality: [Norway] "Lofoten".

borealis KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to*

Novaya Zemlya 2: 19 (*Phaenocladius*). Type-locality: [Russia] {Nouvelle-Zemble} “Ile Berkh” [= Berek Island].

brevicornis KIEFFER, 1906: *Annales de la Sociétés Scientifique de Bruxelles, 2^e partie (Mémoires)* 30: 331 (*Orthocladius*). Type-locality: [France] “Bitche”.

brevicornis KIEFFER, 1906: *Genera Insectorum* 42: 26 (*Orthocladius* (*Dactylocladius*)). Localities: “Allemagne” [= Germany]; [France] “Lorraine”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

brevicornis KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* 42: 162 (*Metriocnemus*). Type-locality: [Germany] “Rhénanie : Eifel, larve dans du foin pourri” [= Rheinland : Eifel, larva in rotten hay].

breviradius KIEFFER, 1911: *Bulletin de la Société Entomologique de France* 1911: 200 (*Metriocnemus*). Type-locality: Not given || ► Type-locality: [Germany, Westphalia] “nahe der Glörsperre” [= near the Glör Dam] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* 40: 77 ◄ ||.

bulgarensis GOETGHEBUER, 1938: *Bulletin et Annales de la Société Entomologique de Belgique* 78(11): 456 (*Orthocladius*). Type-locality: “à Gebedze (Bulgarie)” [= at Gebedze (Bulgaria)].

calosandalum KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* 16: 133 (*Dactylocladius*). Type-locality: [India, Maharashtra] “Indes-Orientales: Matheran, à une hauteur de 800 m.” [= East Indies: Matheran, at a height of 800 metres].

calosandalum KIEFFER, 1921: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* 40: 294 (*Trichocladius*). Type-locality: [Latvia] [p. 275] “environs de Libau, en Courlande” [= vicinity of Libau (now Liepaja), in Courland (now Kurzeme)].

canariensis SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* 14(2): 231 (*Metriocnemus*; as “Canariensis”). Type-locality:

{Canary Islands} “en la isla de la Palma” [= on the island of La Palma].

carbonarius MEIGEN, 1804: *Klassifikation und Beschreibung der europäischen zweiflügligen insekten* **1**: 18 (*Chironomus*). Type-locality: [Title] “europäischen” [= European].

cavistylus KIEFFER, 1926: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **45**: 102 (*Trichocladius*). Type-locality: “Russie : lac Elton” [= Russia, Southern European Territory : Lake El'mon].

chilensis KIEFFER, 1906: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **30**: 354 (*Orthocladius*). Type-locality: “Chili, Concepcion” [Chili = Chile].

chilensis KIEFFER, 1906: *Genera Insectorum* **42**: 27 (*Orthocladius (Orthocladius)*).
Locality: “Chili” [= Chile]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.

cinctus GOETGHEBUER, 1940: *Bulletin et Annales de la Société Entomologique de Belgique* **80**(1): 57 (*Metriocnemus*). Type-locality: [Introduction, p. 55] “aux environs d'Abisko, en Laponie Suédoise” [= in the vicinity of Abisko, in Swedish Lapland]; [p. 58] “dans une forêt de bouleaux” [= in a birch forest].

clavaticornis KIEFFER, 1915: *Zoologische Jahrbücher, Abteilung Systematik, Ökologie und Geographie der Tiere* **39**: 118 (*Dactylocladius*). Type-locality: {Faroes} “Midvaag, Bösdalafos”.

clavaticornis KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 89 (*Cricotopus*). Type-locality: [Poland] “Silésie” [= Silesia].

clepsydrus COQUILLET, 1902: *Proceedings of the United States National Museum* **25**: 92 (*Orthocladius*). Type-locality: [U.S.A.] “Las Vegas Hot Springs, New Mexico”.

clinoneurus KIEFFER, 1926: *Entomologische Mitteilungen* **15**: 103 (*Metriocnemus*). Type-locality: [Slovakia] “Ungarn : Pistyan” [= Hungary : Piešťany, locality now in Slovakia].

compressa JOHANNSEN, 1932: *Archiv für Hydrobiologie Supplement* **9**: 729 (*Spaniotoma*

- (*Orthocladius*). Type-locality: [Indonesia] “in moss near spring, Ranu Pakis, East Java”.
- consimilis* GOETGHEBUER in GOETGHEBUER & LENZ, 1950: *Die Fliegen der Palaearktischen Region* **13g**: 194 (*Trichocladius*). Type-locality: “Austria”.
- coracellus* KIEFFER, 1915: *Brotéria, Série Zoológica* **13**: 83 (*Trichocladius*). Type-locality: “Frankreich (Grenoble)” [= France (Grenoble)].
- corax* KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 65 (*Orthocladius*). Type-locality: [Poland] “Silésie” [= Silesia]; [Introduction, p. 11] “sur un haut plateau tourbeux, nommé Seefelder” [= on a highland moor, named Seefelder].
- cornis* PANKRATOVA, 1972: *Trudy Zoologicheskogo Instituta, Leningrad* **51**: 158 (*Brillia*). Type-locality: [Uzbekistan] {Uzbekskoi SSR} “v rodnikovom ruch'e v 40 km k severo-vostoky ot Nuraty” [= in spring brooks about 40 kilometres to the north-east of Hurata (now Nurada)]. [Note]
- corporaali* GOETGHEBUER, 1935: *Wissenschaftliche Ergebnisse der Niederländischen Expeditionen in den Karakorum und die angrenzenden Gebiete in den Jahren 1922, 1925 und 1929/30* **1**: 393 65 (*Orthocladius (Dactylocladius)*); as “*Corporaali*”). Type-locality: [India, Jammu and Kashmir, Ladakh] “Khardung valley (4000 m)”.
- crassicarpus* KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **43**: 266 (*Acricotopus*). Type-locality: [Indonesia] [p. 262] “de Buitenzorg, en Java” [= from Buitenzorg (now Bogor), in Java].
- crassipes* KIEFFER, 1915: *Zoologische Jahrbücher, Abteilung Systematik, Ökologie und Geographie der Tiere* **39**: 116 (*Metriocnemus*). Type-locality: {Faroës} “SW.-Hang O. Slættaratindur Wiese, Höhe von 400—500 m” [= South-west slope, East Slættaratindur meadow, height of 400—500 metres].
- crassus* KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 83 (*Trichocladius*). Type-locality: [Germany] “Holstein, larve dans une source” [= Holstein, larva in a spring].

- curtipalpis* KIEFFER, 1913: *Bulletin de la Société d'Histoire Naturelle de Metz* **28**: 29 (*Trichocladius*). Type-locality: {Allemagne} [= Germany] “Lac de Maria-Laach” [= Maria-Laach Lake].
- dampfi* KIEFFER, 1927: *Sitzungsberichte der Naturforscher-Gesellschaft bei der Universität Tartu* **33**: 63 (*Camptocladius*; as “*Dampfi*”). Type-locality: “Estonia . . . Ellamaa-Moor, Hochfläche” [= Estonia . . . Ellamaa-Moor, plateau].
- davidi* GOETGHEBUER, 1950: *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* **26**(47): 13 (*Smittia*; as “*Davidi*”). Type-locality: “Chartreuse de Montrieux (France)”.
- decor* SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 232 (*Metriocnemus*). Type-locality: {Canary Islands} “en la isla de la Palma, en el Barranco del Río” [= on the island of La Palma, in the Barranco del Río].
- dentatipalpis* KIEFFER, 1927: *Sitzungsberichte der Naturforscher-Gesellschaft bei der Universität Tartu* **33**: 64 (*Camptocladius*). Type-localities: “Estonia . . . Warudi-Moor bei Port Kunda, . . . Niedermoorwiese”; “Ellamaa-Moor, . . . auf Erlengebüsch am Bahndamm Reval-Hapsal”; “Ellamaa-Moor, . . . Kiefernrandzone”.
- dentatus* KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 157 (*Trichocladius*). Type-locality: [Czech Republic] “Bohême”.
- devius* KIEFFER in THIENEMANN, 1916: *Verhandlungen des Naturhistorischen Vereins der Preussischen Rheinlande, Westfalens und des Regierungsbezirks Osnabrück* **72**: 52 (*Camptocladius*). Type-locality: [Germany, Rhineland] [p. 13] “auf dem Ulmener Maar” [= on the Ulmen Maar]. [Note]
- distalis* GOETGHEBUER, 1949: *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* **25**(14): 2 (*Orthocladius*). Type-locality: “Irlande: Env. de Dublin” [= Ireland: vicinity of Dublin].
- distylus* KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 91

- (*Trichocladius*). Type-locality: [Germany] “Holstein, larve dans une source du lac Dicksee” [= Holstein, larva in a spring of the Dieksee].
- ditomus* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 561 (*Camptocladius*). Type-locality: [Poland] “Prusse occidentale” [= western Prussia].
- diversus* WULP, 1875: *Tijdschrift voor Entomologie* **17**(5): 139 (*Orthocladius*). Type-localities: [Netherlands] “Utrecht”; “Overveen”.
- doloplastoides* LUNDSTRÖM in POPPIUS, LUNDSTRÖM & FREY, 1917: *Naturwissenschaftliche Untersuchungen des Sarekgebirges in Schwedisch-Lappland* **4**(6): 670 (*Orthocladius*). Type-localities: {Lapponia suecica} [= Swedish Lapland] “Sarek . . . Auf *Carices* am Ufer eines im Süden von der Säkokhütte gelegenen Sees; Birkenregion” [= Sarek . . . On *Carex* sedges on the shore of a lake situated to the south of the Säkok hut; birch region]. [**Note**]
- dubiosus* KIEFFER in THIENEMANN & KIEFFER, 1916: *Archiv für Hydrobiologie Supplement* **2**(3): 531 (*Camptocladius*). Type-locality: {Sweden} “in Jönköping am Ufer des Vättern” [= in Jönköping on the shore of Vättern].
- dubiosus* KIEFFER, 1921: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **29**: 89 (*Cricotopus*). Type-locality: [Poland] “Silésie” [= Silesia].
- dystrophilus* CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 148 (as “*Limnophyes* ?”). Type-locality: [Russia] “**naidena distrofnom ozere pod Leningradom**” [= found in a dystrophic lake near Leningrad (now Saint Petersburg)].
- ellipsoidalis* KIEFFER, 1915: *Brotéria, Série Zoológica* **13**: 86 (*Dactylocladius*). Type-locality: “Deutschland” [= Germany].
- faeroensis* KIEFFER, 1915: *Zoologische Jahrbücher, Abteilung Systematik, Ökologie und Geographie der Tiere* **39**: 117 (*Metriocnemus*). Type-locality: {Faroës} “Midvaag”. [**Note**]
- faroensis*: incorrect subsequent spelling.
- fallax* KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 185

(*Trichocladius*). Type-locality: [Introduction] “Allemagne” [= Germany] || ► Type-localities: [Germany, Westphalia] “Im Sauerland verbreitet: . . . in der Kleinbahn Haspe-Breckerfeld” [= widespread in Saarland: . . . in the narrow-gauge Haspe-Breckerfeld railway]; “in der Bahn Hagen-Vollme” [= in the Hagen-Vollme (now Volme) railway] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 75-76 ◀ ||.

filipalpis KIEFFER, 1927: *Sitzungsberichte der Naturforscher-Gesellschaft bei der Universität Tartu* **33**: 65 (*Camptocladius*). Type-locality: “Estonia . . . Ulila Moor bei Dorpat, Torfwiese am Ulilabach” [= Estonia . . . Ulila moor near Tartu, peat meadow at the Ulila brook].

fischeri KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 385 (*Cricotopus*; as “*Fischeri*”). Type-locality: [Germany] “Bavière” [= Bavaria].

fissicornis KIEFFER, 1906: *Genera Insectorum* **42**: 27 (*Orthocladius* (*Trichocladius*)). Type-locality: “Chili” [= Chile]. Senior primary homonym of *Orthocladius* (*Trichocladius*) *fissicornis* Kieffer, 1906 (below). [Note]

fissicornis KIEFFER, 1906: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **30**: 355 (*Orthocladius* (*Trichocladius*)). Type-locality: “Chili, Concepcion” [Chili = Chile]. **Preoccupied**. Junior primary homonym of *Orthocladius* (*Trichocladius*) *fissicornis* Kieffer, 1906 (above). [Note]

flavellus ZETTERSTEDT, 1838: *Insecta Lapponica* [Heft 3]: 816 (*Chironomus*). Type-locality: [Sweden] “in Lapponia Umensi ad Lycksele” [= in Umeå Lapland at Lycksele].

flaveolus GOETGHEBUER in GOETGHEBUER, HUMPHRIES & FITZGERALD, 1949: *Hydrobiologia* **1**(3): 420 (*Orthocladius*). Type-locality: [Ireland] [p. 410] “the River Dodder, a tributary of the river Liffey”.

flavescens GOETGHEBUER, 1942: *Bulletin du Musée Royal d'Histoire Naturelle de Belgique* **18**(46): 13 (*Smittia*). Type-locality: “Belgique : Heusden-lez-Gand” [Belgique = Belgium].

- flavibasis* MALLOCH, 1915: *Bulletin of the Illinois State Laboratory of Natural History* **10**: 511 (*Camptocladius*). Type-locality: [U.S.A.] “Urbana, Ill.” [Ill. = Illinois].
- flaviceps* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 383 (*Metriocnemus*). Type-locality: [Czech Republic or Slovakia] “Tchécoslovaquie” [= Czechoslovakia]
- flavicollis* KIEFFER, 1911: *Records of the Indian Museum* **6**(3): 176 (*Psectrocladius*). Type-locality: [India, West Bengal] “Calcutta” [= Kolkata].
- flaviventris* KIEFFER, 1921: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **40**: 289 (*Camptocladius*). Type-locality: [Latvia] [p. 275] “environs de Libau, en Courlande” [= vicinity of Libau (now Liepāja), in Courland (now Kurzeme)].
- flavus* KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 127 (*Camptocladius*). Type-locality: [India, Maharashtra] “Indes-Orientales: Bombay” [= East Indies: Bombay (now Mumbai)].
- fluviatilis* KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 140 (*Orthocladius*). Type-locality: [Czech Republic] “Moravie : fleuve d’Ostava” [= Moravia : Ostava River].
- foliaceus* KIEFFER, 1921: *Archiv für Hydrobiologie Supplement* **2**(4): 789 (*Camptocladius*). Type-locality: [Germany] “Mecklenburg: Tollense-See”. [Note]
- foliifera* GOETGHEBUER, 1937: *Bulletin et Annales de la Société Entomologique de Belgique* **77**(6): 277 (*Smittia (Phaenocladius)*). Type-locality: “à Poperinghe . . . (Belgique)” [= at Poperinghe . . . (Belgium)].
- fontinalis* KIEFFER, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 100 (*Metriocnemus*). Type-locality: [Germany] “Ile de Rügen, larve dans une source” [= island of Rügen, larva in a spring].
- fontinalis* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 385 (*Cricotopus*). Type-locality: [Austria] “Basse-Autriche” [= Province of Lower Austria].
- fossarum* KIEFFER, 1909: *Bulletin de la Société d’Histoire Naturelle de Metz* **26**: 47

(*Trichocladius*; as “*Fossarum*”). Type-locality: {Allemagne} [= Germany] “dans un fossé près de Münster en W.” [= in a ditch near Münster in Westphalia].

fractinervis KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 119 (*Metriocnemus*). Type-localities: [Turkey] “Asie-Mineure: Konia” [= Asia Minor: Konia (now Konya)]; “Bashara-Su”; “à une altitude de 1400 m, Bashara-Sille” [= at an altitude of 1400 metres, Bashara-Sille].

franzi GOETGHEBUER, 1949: *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* **25**(14): 4 (*Orthocladius*; as “*Franzi*”). Type-locality: “Autriche: Hausselberg b. Leoben” [= Austria: Hausselberg at Leoben].

fulviscutellatus SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 188 (*Camptocladius*). Type-locality: {Canary Islands} “en Santa Cruz de la Palma”.

fulvonotatus KIEFFER, 1922: *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 36 (*Camptocladius*). Type-locality: [Title, p. 26] “Européens” [= European, i.e. Europe] || ► Type-locality: “Nord de l'Allemagne, source du lac Dicksee” [= northern Germany; spring by the lake Dieksee] in Kieffer, 1923: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 76 ◀ ||. Senior primary homonym of *Camptocladius fulvonotatus* Kieffer, 1924 (below). [Note]

fulvonotatus KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 76 (*Camptocladius*). Type-locality: “Nord de l'Allemagne, source du lac Dicksee” [= northern Germany; spring by the lake Dieksee]. **Preoccupied**. Junior primary homonym of *Camptocladius fulvonotatus* Kieffer, 1922 (above).

fulvus KIEFFER, 1922: *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 34 (*Camptocladius*; as var. of *exiguus* Goetghebuer, 1913). Type-locality: [Title, p. 26] “Européens” [= European, i.e. Europe]. [Note]

fuscicauda KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 88 (*Trichocladius*). Type-locality: [Germany] “Holstein, larve dans une source” [=

Holstein, larva in a spring].

fusciceps KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 66 (*Orthocladius*). Type-locality: [Poland] “Silésie” [= Silesia]; [Introduction, p. 11] “sur un haut plateau tourbeux, nommé Seefelder” [= on a highland moor, named Seefelder].

fuscifolium KIEFFER, 1921: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **40**: 291 (*Camptocladius*). Type-locality: [Latvia] [p. 275] “environs de Libau, en Courlande” [= vicinity of Libau (now Liepaja), in Courland (now Kurzeme)].

fusciforceps KIEFFER, 1915: *Brotéria, Série Zoológica* **13**: 84 (*Trichocladius*). Type-locality: “Deutschland” [= Germany].

fuscus KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 182 (*Dactylocladius*). Type-locality: [Introduction] “Allemagne” [= Germany].

fusicornis GOETGHEBUER in GOUIN, 1936: *Revue Française d'Entomologie* **3**: 172 (*Eukiefferiella*). Type-locality: {France} “(Barrage de Vaux)”.

galactinus KIEFFER, 1915: *Zoologische Jahrbücher, Abteilung Systematik, Ökologie und Geographie der Tiere* **39**: 119 (*Dactylocladius*). Type-localities: {Faroës} “Sandö (Wiesenhang” [= Sandö (grassy slope); “Saxental, Wiese bei Wasserscheide” [= Saxental, meadow near Wasserscheide].

galae PANKRATOVA, 1954: *Zoologicheskii Zhurnal* **33**(6): 1295 (*Metriocnemus*). Type-locality: [Russia, Northern European Tettitory] **iz oz. Malyi Bud"yavr na Kol'skom poluostrove, na glubine 10,5 m** [= from Lake Malyi Bud"yavr on the Kola Peninsula, at a depth of 0.5 metres].

gelidus KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 22 (*Camptocladius*). Type-locality: [Russia] {Nouvelle-Zemble} “Le plus septentrionale d'Iles Vrestovii” [= the northernmost of the Vrestovii Islands].

glacialis KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 15 (*Orthocladius*). Type-locality: [Russia] {Nouvelle-

Zemble} “Gribovii Fjord”.

glacialis KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 18 (*Trichocladius*). Type-locality: [Russia] {Nouvelle-Zemble} “Archangelbugten” [= Archangel Bay]. [Note]

gracilipes KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 126 (*Camptocladius*). Type-locality: [India, Maharashtra] “Indes-Orientalis: Matheran, à une hauteur de 800 m.” [= East Indies: Matheran, at a height of 800 metres].

grandipalpis KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 88 (*Cricotopus*). Type-locality: [Poland] “Silésie” [= Silesia].

griseicollis SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 203 (*Orthocladius* (*Orthocladius*)). Type-locality: {Canary Islands} “en la isla de la Palma” [= on the island of La Palma].

guineensis KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 84 (*Trichocladius*). Type-locality: [Guinea] “Guinée française: Mamon” [French Guinea: Momon (error, Mamon = Mamou)]. [Note]

haesitans KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 98 (*Metriocnemus*). Type-locality: [Poland] “Silésie” [= Silesia]; [Introduction, p. 11] “sur un haut plateau tourbeux, nommé Seefelder” [= on a highland moor, named Seefelder].

halobius KIEFFER, 1915: *Archiv für Hydrobiologie Supplement* **2**(4): 477 (*Dactylocladius*). Type-locality: [Germany] “Sassendorf”.

halocryptus KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 76 (*Camptocladius*). Type-locality: “Nord de l'Allemagne, larve dans l'eau salée” [= northern Germany, larva in salt water].

hamatipes KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 182 (*Dactylocladius*). Type-locality: [Introduction] “Allemagne” [= Germany] || ► Type-locality: [Germany] “im Bruthaus der Forellenzuchtanstalt Fürstenberger i. W.” [= in the hatchery of the Fürstenberg in Westphalia trout

- rearing facility] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 78 ◀ ||.
- hamatitarsis* KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 184 (*Dactylocladius*). Type-locality: [Introduction] “Allemagne” [= Germany] || ▶ Type-localities: [Germany] “Breckerfeld”; “an der Hennetalsperre” [= at the Henne Dam] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 79] ◀ ||.
- hamifer* KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 183 (*Dactylocladius*). Type-locality: [Introduction] “Allemagne” [= Germany].
- harnischi* KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 65 (*Orthocladius*; as “*Harnischi*”). Type-locality: [Introduction, p. 11] [Poland] “en Silésie, sur un haut plateau tourbeux, nommé Seefelder” [= in Silesia, on a highland moor, named Seefelder]. [Note]
- heptameris* KIEFFER in KIEFFER & THIENEMANN, 1919: *Entomologische Mitteilungen* **8**: 115 (*Dactylocladius*). Type-locality: “Spitzbergen: Kingsbai” [Kingsbai = Kings Bay].
- heptatomus* KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 95 (*Phaenocladius*). Type-locality: [Poland] “Silésie” [= Silesia]. [Note]
- heterocerus* KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 132 (*Camptocladius*). Type-locality: [Turkey] “Asie-Mineure: Angora” [= Asia Minor: Ankara].
- hiberna* POLISHCHUK, 1963: *Dopovidi Akademii Nauk Ukrains'koi RSR* **12**: 1645 (*Smittia*). Type-localities: [Ukraine] [p. 1649, English Summary] “in the Desna river in the area of the confluence of the Shostka and Strizhen”; “in the flood-plain basins of the Desna near Chernigov”; “in the Belous near the village Padusovska”; “in the confluent of the Desna — the Shostka river”.
- hiberna* POLISHCHUK, 1972: *Materiali chetvertoi konferentsii molodikh uchenikh Institutu gidrobiologii AN URSS*: 45 (*Limnophyes*). Type-locality: [Ukraine] **Kalyuzha, utvorena tanennyam snigu mizh selami Chervonoarmiis'ke i

Orikhivka /Bolgrads'kii r-n Odes'koi obl.** [= Melt water puddle between the villages of Krasnoarmeiskoe and Orekhivka, Bolgrads'kii District of Odessa Oblast]. [Note]

hyberna: incorrect subsequent spelling.

himalayae KIEFFER, 1911: *Records of the Indian Museum* **6**(3): 176 (*Rhopalocladus*). Type-locality: [India, Himachal Pradesh] “Himalaya occidental: Barogh, montagnes de Simla, à une altitude de 1670 mètres” [= western Himalayas: Barogh, mountains of Simla, at an altitude of 1670 metres].

hirsutulus SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 233 (*Metriocnemus*). Type-locality: {Canary Islands} “en la isla de la Palma, . . . en la Dehesa de la Encarnación” [= on the island of La Palma, . . . on the Dehesa de la Encarnación].

hirticercus KIEFFER, 1922: *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 34 (*Camptocladus*). Type-locality: [Title, p. 26] “Européens” [= European, i.e. Europe]. [Note]

hockaiensis GOETGHEBUER, 1933: *Bulletin et Annales de la Société Entomologique de Belgique* **72**(11/12): 289 (*Orthocladus* (*Dactylocladus*)). Type-locality: [Belgium] “pris à Hockai (Hautes-Fagnes)” [= taken at Hockai (Hautes-Fagnes)]. [Note]

hrabei PAGAST in ZAVŘEL & PAGAST, 1935: *Časopis České Společnosti Entomologické* **32**(4): 159 (*Spaniotoma* (*Orthocladus*); as “hraběi”). Type-locality: [Slovakia] {Hoher Tatra} [= High Tatra] “aus dem See »Pleso pod Skokem« (1700 m)” [= from the lake »Pleso pod Skokem« (1700 metres)].

imberbipes GOETGHEBUER, 1942: *Bulletin du Musée Royal d'Histoire Naturelle de Belgique* **18**(46): 16 (*Metriocnemus*). Type-locality: “Autriche : Bords de la Lunzersee” [= Austria : shore of a lake at Lunz].

immundus ZETTERSTEDT, 1838: *Insecta Lapponica* [Heft 3]: 816 (*Chironomus*). Type-locality: [Sweden] “in Lapponia Umensi ad Lycksele” [= in Umeå Lapland at Lycksele].

- inaequalis* KIEFFER in ZAVŘEL, 1926: *Acta Societatis Scientiarum Naturalium Moravo-Silesiaca* **3**: 257 (*Trichocladius*). Type-locality: [Czech Republic, near Brno] [p. 261] “Říčkany u Domášova” [= Říčkany at Domašov].
- indianus* KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 133 (*Dactylocladius*). Type-locality: “Indes-Orientales: Singapore” [= East Indies: Singapore].
- inornatipes* KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 75 (*Cricotopus*). Type-localities: “Tunisie: Djebel Djeloud”; “Djebel Mesratine”; “Carthage”; “Ain Draham”; “Bel Mehtia” [Tunisie = Tunisia].
- insigniforceps* KIEFFER, 1929: *Schriften der Physikalisch-Ökonomischen Gesellschaft zu Königsberg* **66**: 301 (*Orthocladius*). Type-locality: [Russia, Kaliningrad Region] “Zehlaubbruch, am Inselblänkenufer” [= Zehlaubbruch moorland, on the Inselblänken banks (around pools)].
- insulanus* KIEFFER, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 70 (*Orthocladius*). Type-locality: [Germany] “Ile de Rügen” [= island of Rügen].
- islandicus* KIEFFER, 1913: *Bulletin de la Société d’Histoire Naturelle de Metz* **28**: 59 (*Dactylocladius*). Type-locality: [Introduction] “Islande” [= Iceland].
- islandicus* KIEFFER, 1913: *Bulletin de la Société d’Histoire Naturelle de Metz* **28**: 60 (*Cricotopus*). Type-locality: [Introduction] “Islande” [= Iceland].
- janetscheki* GOETGHEBUER, 1941: *Bulletin du Musée Royal d’Histoire Naturelle de Belgique* **17**(37): 7 (*Orthocladius*; as “*Janetscheki*”). Type-locality: [Austria] “Alpes tyroliennes” [= Tyrolean Alps].
- karicus* CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 150 (*Phaenocladius*; as “*karicus* Birula”). Type-locality: [Russia, border of Northern European Territory and West Siberia] **v nizhnem techenii r. Kary** [= in the lower reaches of the River Kara]. [Note]
- kervillei* KIEFFER, 1900: *Annales de la Société Entomologique de France* **68**: 821 (*Orthocladius*; as “*Kervillei*”). Type-locality: [France] “A Maisy (Calvados), dans un parc a huîtres abandonné” [= At Maisy (Calvados), in an abandoned

oyster enclosure].

kiefferulus GOETGHEBUER in GOETGHEBUER & LENZ, 1942: *Die Fliegen der Palaearktischen Region* **13g**: 64 (*Orthocladus* (*Eudactylocladius*); as “*Kiefferulus* nov. nom.”; in 1943, **13g**: 68, as “*Kiefferiellus*”, as nom. nov. for *Chironomus sordidellus* Zetterstedt, 1838 sensu Kieffer, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 139). Type-locality: Not given. || ► Type-localities: “Aus Skandinavien und Deutschland” [= From Scandinavia and Germany] in Goetghebuer in Goetghebuer & Lenz, 1943: *Die Fliegen der Palaearktischen Region* **13g**: 68 ◀ ||. [Note]

kiefferiellus: incorrect subsequent spelling.

lacroixi KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 97 (*Camptocladus*; as “*Lacroixi*”). Type-locality: [France] “Deux-Sèvres” || ► Type-locality: [France] [p. 26] “aux environs de Niort” [= in the vicinity of Niort] in Kieffer, 1922: *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 26 ◀ ||. Senior primary homonym of *Camptocladus lacroixi* Kieffer, 1922 (below).

lacroixi KIEFFER, 1922: *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 36 (*Camptocladus*; as “*Lacroixi*”). Type-locality: [France] [p. 26] “aux environs de Niort” [= in the vicinity of Niort]. **Preoccupied**. Junior primary homonym of *Camptocladus lacroixi* Kieffer, 1921 (above). [Note]

lacteipennis LUNDSTRÖM, 1910: *Acta Societatis pro Fauna et Flora Fennica* **33**(10): 19 (*Orthocladus*). Type-localities: [Finland] “Ab. Kuustö” [= Regio abiënsis. Kuustö]; “N. Helsingfors” [= Nylandia. Helsingfors] [Helsingfors = Helsinki]; “Ta. Kangasala”; [= Tavastia australis. Kangasala]; “Lapponia fenn.” [= Lapponia fennica]. Senior primary homonym of *Orthocladus lacteipennis* Malloch, 1915.

lactescens GOETGHEBUER, 1932: *Bulletin et Annales de la Société Entomologique de Belgique* **72**(5): 128 (*Orthocladus*). Type-locality: [Latvia] “Courlande : Libau”

[= Courland (now Kurzeme) : Leipaja (now Liepaja)].

- lacustris* KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 147 (*Cricotopus*). Type-locality: “Allemagne du Nord: Lac du Tollensee” [= northern Germany: lake of Tollensee].
- lacustris* KIEFFER in THIENEMANN & KIEFFER, 1916: *Archiv für Hydrobiologie Supplement* **2**(3): 535 (*Metriocnemus*). Type-locality: {Sweden} [footnote, p. 536] “in Jönköping am Ufer des Vättern” [= in Jönköping on the shore of Vättern].
- lanceolatus* KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 199 (*Cricotopus*). Type-locality: Not given || ► Type-locality: [Germany] “im Bruthaus der Forellenzuchtanstalt Fürstenberger i. W.” [= in the hatchery of the Fürstenberg in Westphalia trout rearing facility], in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 77 ◀ ||.
- lanceolatus* KIEFFER, 1921: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **29**: 98 (*Camptocladius*). Type-locality: [Poland] “Silésie” [= Silesia].
- lenzi* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 560 (*Trichocladius*; as “Lenzi”). Type-locality: “Nord de l’Allemagne : lac de Schaal” [= northern Germany: Schaalsee].
- lenzianus* GOETGHEBUER, 1938: *Bulletin et Annales de la Société Entomologique de Belgique* **78**(1/2): 63 (*Orthocladius*; “Lenzianus”). Type-locality: “Allemagne” [= Germany].
- leucura* KIEFFER, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 87 (*Trichocladius*). Type-locality: [Germany] “Lac de Ploen, Holstein” [= Plöner See, Holstein].
- litigosus* KIEFFER, 1922: *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 26, 29, 32 (*Camptocladius*). Type-locality: [France] [p. 26] “aux environs de Niort” [= in the vicinity of Niort]. [Note]
- ligitiosus*: incorrect variant original spelling.

- lineolatus* SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 202 (*Orthocladus* (*Orthocladus*)). Type-locality: {Canary Islands} “en Santa Cruz de la Palma”.
- litoris* KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 94 (*Acricotopus*). Type-locality: [Germany, Schleswig-Holstein] “voltigeant au-dessus de la mer Baltique . . . voltigeant sur le rivage de cette mer” [= flying over the Baltic Sea . . . flying on the shore of the same sea]. [Note]
- littoris* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 229 (*Orthocladus*). Type-locality: [p. 227] [Germany] “voltigeant sur les bords de la mer Baltique, dans la baie de Hohwacht, au Holstein” [= flying on the shore of the Baltic Sea, in Hohwacht Bay, in Holstein].
- lobatipennis* KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 82 (*Orthocladus*). Type-locality: [Tunisia] “Tunis”.
- lobuliferus* GOETGHEBUER & TIMON-DAVID, 1939: *Bulletin et Annales de la Société Entomologique de Belgique* **79**(1/2): 68 (*Orthocladus*; as “*lobulifera*”). Type-locality: [France] {iles du Golfe de Marseille} [= islands in the Gulf of Marseille] [p. 65-66] “POMÈGUES-RATTONEAU”. [Note]
- longicornis* KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 162 (*Metriocnemus*). Type-locality: [Germany] “Rhénanie : Eifel” [= Rheinland : Eifel].
- longipalpis* KIEFFER, 1917: *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 360 (*Dactylocladius*). Type-locality: “Bolivie : Cillutincara” [Bolivie = Bolivia].
- longiradius* KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 181 (*Orthocladus*). Type-locality: [Introduction] “Allemagne” [= Germany] || ► Type-localities: [Germany, Westphalia] “Aus dem Moos der Ruhr unterhalb Papierfabrik Wildshausen” [= From the moss in the Ruhr below the Wildshausen Paper Mill]; “der Ruhr oberhalb Nuttlar” [= the Ruhr above Nuttlar], in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-*

Vereins für Wissenschaft und Kunst **40**: 75 ◀ ||.

longistylus KIEFFER in KIEFFER & THIENEMANN, 1908: *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 37 (*Camptocladius*). Type-locality: Not given || ▶ Type-locality: [Germany] “Insel Rügen” [= island of Rügen] in Kieffer in Kieffer & Thienemann, 1908): *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 78 ◀ ||. Senior primary homonym of *Camptocladius longistylus* Kieffer, 1908 (below).

longistylus KIEFFER in KIEFFER & THIENEMANN, 1908: *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 78 (*Camptocladius*). Type-locality: [Germany] “Insel Rügen” [= island of Rügen]. **Preoccupied**. Junior primary homonym of *Camptocladius longistylus* Kieffer, 1908 (above).

longistylus KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 9 (*Metriocnemus*). Type-locality: [Russia] {Nouvelle-Zemble} “Rivage 5 km. au nord de l’un bouchure du Mishigin Fjord” [= 5 kilometre shoreline to the north of the mouth of Mishigin Fjord] [error, Mishigin = Mashigin].

luctuosus KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 119 (*Metriocnemus*). Type-locality: [Turkey] “Asie-Mineure: Seraj-Köj” [= Asia Minor: Saraykoy].

lurulentus SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 240 (*Metriocnemus*). Type-locality: {Canary Islands} “en la isla de la Palma, . . . del Barranco del Río” [= on the island of La Palma, . . . del Barranco del Río].

macrochaetus KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 182 (*Dactylocladius*; as var of *hamifer* Kieffer, 1911). Type-locality: [Introduction] “Allemagne” [= Germany].

macrorhynchus KIEFFER, 1906: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **30**: 353 (*Orthocladius*). Type-locality: “Chili, environs de Concepcion” [= Chile, vicinity of Concepcion].

- macrorhynchus* KIEFFER, 1906: *Genera Insectorum* **42**: 27 (*Orthocladius* (*Orthocladius*)). Locality: “Chili” [= Chile]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.
- macrotomus* KIEFFER in THIENEMANN & KIEFFER, 1916: *Archiv für Hydrobiologie Supplement* **2**(3): 542 (*Dactylocladius*). Type-locality: {Sweden} [section heading, p. 538] “Tiefenfauna des Vättern” [= deep fauna of Lake Vättern].
- majalis* KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 93 (*Acricotopus*). Type-locality: [Germany] “Lac Schwammer, au Holstein” [= Lake Schwammer, in Holstein].
- maritimus* CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 120 (*Cricotopus*). Type-locality: [Russia, Northern European Territory] **naideny v litorali laguny Por'ei guby Belogo morya** [= found in the intertidal zone of a lagoon in Por'ei Bay on the White Sea]. [**Note**]
- maritimus* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 229 (*Camptocladius*). Type-locality: [p. 227] [Germany] “voltigeant sur les bords de la mer Baltique, dans la baie de Hohwacht, au Holstein” [= flying on the shore of the Baltic Sea, in Hohwacht Bay, in Holstein].
- maurus* KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 83 (*Trichocladius*). Type-locality: [Tunisia] “Tunis”.
- melanopus* KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 92 (*Acricotopus*). Type-locality: [Poland] “Silésie” [= Silesia]. [**Note**]
- melanops*: incorrect subsequent spelling.
- melanosoma* GOETGHEBUER, 1934: *Bulletin et Annales de la Société Entomologique de Belgique* **74**(10): 340 (*Orthocladius*). Type-locality: [Switzerland] “Röserenbach”.
- mercieri* KIEFFER in MERCIER, 1923: *Annales de la Société Entomologique de Belgique* **63**: 10 (*Dactylocladius*; as “*Mercieri*”). Type-locality: [France] [p. 9] “Côte du

Calvados . . . sur un rocher situé dans la zone de balancement des marées, entre Luc et Lion-sur-Mer, et qui est connu dans le pays sous le nom de " Roche Mignon ".” [= Calvados coast . . . on a rock located in the marine intertidal zone, between Luc and Lion-sur-Mer, which is known in the region by the name " Roche Mignon "]

meridionalis GOETGHEBUER & TIMON-DAVID, 1939: *Bulletin et Annales de la Société Entomologique de Belgique* **79**(1/2): 68 (*Orthocladius*). Type-locality: [France] {îles du Golfe de Marseille} [= islands in the Gulf of Marseille] [p. 65-66] “POMÈGUES-RATTONEAU”. [Note]

micans KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 122 (*Cricotopus*). Type-locality: [Turkey] “Asie-Mineure: Basharu-Su” [= Asia Minor: Basharu-Su]. [Note]

microcera KONSTANTINOV, 1948: *Doklady Akademii Nauk SSSR* **63**(3): 336 (*Smittia*). Type-locality: [Russia, Far East] [Title, p. 333] **BASSEINA R. AMUR** [= basin of the Amur River].

micropelma KIEFFER, 1921: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **29**: 82 (*Metriocnemus*). Type-locality: [Poland] “Silésie” [= Silesia].

microtomus KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 154 (*Trichocladius*). Type-locality: [Germany] “Westphalie : larves dans *Fontinalis*, dans la Diemel” [= Westphalia : larvae in *Fontinalis*, in the Diemel].

microtomus KIEFFER, 1924: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **43**: 261 (*Camptocladius*). Type-locality: [Algeria] “Alger, au Jardin d’Essai” [= Algiers, at the Jardin d’Essai].

mimulus HOLMGREN, 1869: *Kungliga Svenska VetenskapsAkademiens Handlingar* **8**(5): 40 (*Chironomus*). Type-locality: [Norway] “Hab. in Beeren Eiland” [= Dwells in Bear Island].

minutissimus GOETGHEBUER, 1935: *Encyclopédie Entomologique, B-II, Diptera* **8**: 5 (*Metriocnemus*). Type-locality: [Russia] “Environs de Leningrad” [= Vicinity of

Leningrad (now Saint Petersburg).

- minutulus* GOETGHEBUER in GOETGHEBUER & LENZ, 1944: *Die Fliegen der Palaearktischen Region* **13g**: 137 (*Limnophyes*). Type-locality: [Austria] “Vom Lunzer See in Niederdonau . . . Germania” [= From a lake at Lunz in the Lower Danube . . . Germany].
- minutus* ZETTERSTEDT, 1850: *Diptera Scandinaviae disposita et discripta* **9**: 3522 (*Chironomus*). Type-locality: [Sweden] “prope lacum Wettern ad Wadstena Ostrogothiæ” [= near Lake Vättern at Vadstena Östergötland].
- montanus* GOETGHEBUER, 1950: *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* **26**(47): 8 (*Metriocnemus*). Type-locality: “Schafberg (Autriche)”.[= Schafberg (Austria)].
- monticola* KIEFFER, 1911: *Records of the Indian Museum* **6**(5): 346 (*Camptocladius*). Type-locality: [India, Himachal Pradesh] “Himalaya occidental: Simla, à une altitude de 2340 m.” [= western Himalayas: Simla, at an altitude of 2340 metres].
- monticola* KIEFFER, 1919: *Bulletin de la Société d'Histoire Naturelle de l'Afrique du Nord* **10**: 205 (*Orthocladius*). Type-locality: “Algérie : Pic des Mouzaïa” [= Algeria : peak of Mouzaïa].
- multicolor* SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 218 (*Orthocladius* (*Paratrachocladius*)). Type-locality: {Canary Islands} “en la isla de la Palma, en la Dehesa de la Encarnación” [= on the island of La Palma, in the Dehesa de la Encarnación].
- murvanidzei* CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 122 (*Orthocladius*). Type-locality: **u Bakuriani v Gruzii** [= at Bakurian in Georgia].
- naicus* KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 199 (*Cricotopus*). Type-locality: Not given || ▶ Type-locality: [Germany] “Wie lanceolatus” [= Like in *Cricotopus lanceolatus*], i.e. “im Bruthaus der Forellenzuchtanstalt Fürstenberg i. W.” [= in the hatchery of the Fürstenberg in Westphalia trout rearing facility], in Thienemann, 1912: *Jahresbericht des*

Westfälischen Provincial-Vereins für Wissenschaft und Kunst **40**: 77 ◀ ||.

nanulus WULP, 1875: *Tijdschrift voor Entomologie* **17**(5): 140 (*Orthocladius*). Type-locality: [Netherlands] “aan de nu drooggemaakte Schielandsche plassen” [= from the now dry lakes of Schieland]. [Note]

nigriforceps KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 87 (*Cricotopus*). Type-locality: [Germany] “Holstein, lacs” [= Holstein, lakes].

nigripectus BIGOT, 1888: *Mission scientifique du Cap Horn 1882-1883*, Tome VI. Zoologie. Pt. 2. Insectes: 2 (*Camptocladius*). Type-locality: [Introduction] [Chile] “environs de la baie Orange, dans le sud de la Terre de Feu” [= vicinity of Orange Bay, in the south of Tierra del Fuego]. [Note]

nigripes GIMMERTHAL, 1846: *Bulletin de la Société Impériale des Naturalistes de Moscou* **19**(2): 4 (*Chironomus*). Type-locality: [Latvia] “in de Nähe von Riga gefangen” [= found in the vicinity of Riga].

nigripes KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 187 (*Trichocladius*). Type-locality: [Introduction] “Allemagne” [= Germany] || ▶ Type-locality: [Germany, Thuringia] “Fundort wie vorige” [= Locality as the previous (species)], i.e. “Gotha” in Thienemann, 1919: *Deutsche Entomologische Zeitschrift* **1919**(1/2): 135 ◀ ||.

nigrita GOETGHEBUER, 1939: *Bulletin et Annales de la Société Entomologique de Belgique* **79**(4/5): 223 (*Smittia*). Type-locality: “Dans le bas-fond du Zwin à Knocke-sur-Mer (Belgique)” [= In the lowlands of Zwijn at Knocke-sur-Mer (Belgium)].

nigritulus GOETGHEBUER, 1940: *Bulletin et Annales de la Société Entomologique de Belgique* **80**(1): 58 (*Metriocnemus*). Type-locality: [Introduction, p. 55] “aux environs d'Abisko, en Laponie Suédoise” [= in the vicinity of Abisko, in Swedish Lapland]; [p. 59] “dans une forêt de bouleaux et aussi près d'une source” [= in a birch forest and also near a spring].

nigriventris WULP, 1859: *Tijdschrift voor Entomologie* **2**: 165 (*Chironomus*). Type-locality: [Netherlands] “Utrecht”. Senior primary homonym of *Chironomus nigriventris* Wulp, 1861 (below). [Note]

- nigriventris* WULP, 1861: *Tijdschrift voor Entomologie* **4**: 16 (*Chironomus*). Type-locality: Not given || ► Type-locality: [Netherlands] “Utrecht” in Wulp, 1859: *Tijdschrift voor Entomologie* **2**: 165 ◀ ||. **Preoccupied**. Junior primary homonym of *Chironomus nigriventris* Wulp, 1859 (above).
- nigrovittatus* SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 209 (*Orthocladus* (*Paratrichocladus*)). Type-locality: {Canary Islands} “en la isla de la Palma” [= on the island of La Palma].
- niphetobia* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 562 (*Metriocnemus*). Type-localities: [Germany] “Forêt-Noire : Todtmoos”; “Rüttebach” [Forêt-Noire = Black Forest].
- nivicola* KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 89 (*Trichocladus*). Type-locality: [Germany] “Forêt-Noire : Todtmoos, bords de la Wehra” [= Black Forest : Todtmoos, banks of the Wehra].
- nivis* KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 71 (*Dactylocladius*). Type-locality: [Germany] “Forêt-Noire, Todtmoos, bords de la Wehra” [= Black Forest, Todtmoos, banks of the Wehra]
- nivium* KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 67 (*Orthocladus*). Type-locality: [Germany, Schwartzwald] “Todtmoos : Herrenstopfwald”.
- nivosus* KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 68 (*Orthocladus*). Type-locality: [Germany, Schwartzwald] “Todtmoos : bords du torrent de la Wehra” [= Todtmoos : banks of the Wehra stream].
- noctivagus* KIEFFER, 1911: *Records of the Indian Museum* **6**(3): 175 (*Dactylocladius*). Type-locality: [Egypt] “Canal de Suez, à bord du vaisseau” [= Suez Canal, on bord a ship]. [Note]
- novaesemliae* KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 22 (*Camptocladus*; as “*novae-Semliae*”). Type-locality: [Russia] {Nouvelle-Zemble} “A l'embouchure du Riviere Chalhonic, Detroit Matotchkin” [= At the mouth of the River Chalhonic, Detroit Matotchkin].

- nudipennis* GOETGHEBUER, 1949: *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* **25**(14): 6 (*Trichocladius*). Type-locality: "Irelande: environs de Dublin" [= Ireland: vicinity of Dublin].
- nudisquama* CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 142 (*Orthocladius*). Type-locality: [Russia] **naidena v Volge** [= found in the River Volga].
- nympha* KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 186 (*Trichocladius*). Type-locality: [Introduction] "Allemagne" [= Germany] || ► Type-locality: [Germany, Westphalia] "Wie vorige" [= Like the previous (species)], i.e. "im Bruthaus der Fürstenberger Forellenzuchtanstalt am Fenster" [= in the hatchery of the Fürstenberg trout rearing facility on the window], in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 76 ◀ ||.
- obscuripennis* HOLMGREN, 1869: *Kungliga Svenska VetenskapsAkademiens Handlingar* **8**(5): 42 (*Chironomus*). Type-locality: [Norway] "Hab. in Spetsbergia ad Smeerenberg" [= Dwells in Spitzbergen at Smeerenberg].
- ochraceus* WULP, 1859: *Tijdschrift voor Entomologie* **2**: 169 (*Chironomus*). Type-locality: [Netherlands] "Utrecht". [Note]
- oeklandi* KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 10 (*Metriocnemus*; as "Oeklandi"). Type-locality: [Russia] {Nouvelle-Zemble} "Le plus septentrionale de l'Iles Krestovii" [= The northernmost of the Krestovii Islands].
- olivaceus* CURE, 1971: *Buletinul de Cercetări Piscicole* **30**(3/4): 15 (*Trissocladius*; as "1. „olivaceus“ " [l. = larva]). Type-locality: {România} "pe malul în râului Olteț ,în zona de munte, cca 2 km amonte de intrea acestuia în defileu" [= on the banks of the River Olteț, in the mountains, about 2 kilometres upstream from its gorge]. [Note]
- orientalis* KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 128 (*Camptocladius*). Type-locality: [Turkey] "Asie-Mineure" [= Asia Minor].

- orizae* PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 157 (*Smittia*). Type-locality: [Tajikistan] **v risovykh . . . v aryke v Gissare** [= in rice . . . in an irrigation ditch in Gissare].
- ottilianus* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 387 (*Trichocladius*). Type-locality: [Germany] “Bavière : Sankt-Ottilien” [= Bavaria : St. Ottilien].
- ozhegovae* AKHROROV, 1968: *Doklady Akademii Nauk Tadzhikskoi SSR* **10**(11): 69 (*Eukiefferiella*). Type-locality: [Tajikistan] {Pamir} “Oz. Yashil'-Kul” [= Lake Yashil'-Kul]. [Note]
- pallidipes* KIEFFER, 1918: *Entomologische Mitteilungen* **7**: 99 (*Camptocladius*). Type-locality: [Lithuania] “Ignalino” [= Ignalina].
- palmensis* SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 235 (*Metriocnemus*; as “*Palmensis*”). Type-locality: {Canary Islands} “en la isla de la Palma, . . . en la Dehesa de la Encarnación” [= on the island of La Palma, . . . on the Dehesa de la Encarnación].
- paluster* KIEFFER, 1925: *Beiträge zur Kunde Estlands* **10**: 157 (*Camptocladius*). Type-localities: [Russia, Kaliningrad Region] “Ostpreußen: Zehlau-Moor: im Kiefernzwischenmoor . . . Hochfläche, am Kuhfließ” [= East Prussia: Zehlau-Moor: in moorland interspersed with Pine . . . plateau, on the Gwardeiskaja brook]; [Germany] “auf einem bayrischen Hochmoor, dem Königsdorfer Filz” [= from a Bavarian high moor, the Königsdorfer Filz]. [Note]
- paluster* KIEFFER, 1925: *Beiträge zur Kunde Estlands* **10**: 159 (*Orthocladius*). Type-locality: [Russia, Kaliningrad Region] “Ostpreußen: Zehlau-Moor, Kiefernzwischenmoor” [= East Prussia: Zehlau-Moor, moorland interspersed with Pine]. [Note]
- parcepilosus* KIEFFER, 1915: *Zoologische Jahrbücher, Abteilung Systematik, Ökologie und Geographie der Tiere* **39**: 115 (*Metriocnemus*). Type-locality: {Faroes} “Sandö . . . flache Wiesen am Seeausfluß” [= Sandö . . . flat meadows at the lake outflow].

- pentasema* KIEFFER, 1921: *Archiv für Hydrobiologie Supplement* **2**(4): 794 (*Camptocladius*). Type-locality: [Germany] “Eifel, an einer Quelle bei Daun” [= Eifel, in a spring at Daun].
- perpusillus* ENDERLEIN, 1912: *Kungliga svenska VetenskapsAkademiens Handlingar* **48**: 106 (*Orthocladius*). Type-locality: [Argentina] “Feuerland. Süßwassersee südwestlich von Uschuaia” [= Tierra del Fuego. freshwater lake south-west of Uschuaia].
- peruvianus* KIEFFER, 1917: *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 360 (*Dactylocladius*). Type-locality: “Pérou : Callanga” [Pérou = Peru].
- petiolatus* KIEFFER, 1917: *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 358 (*Camptocladius*). Type-locality: “Paraguay : Asuncion”.
- petraeus* KIEFFER in KIEFFER & THIENEMANN, 1919: *Entomologische Mitteilungen* **8**: 117 (*Dactylocladius*). Type-locality: [Germany] “aus der Eifel” [= from the Eifel]. Senior primary homonym of *Dactylocladius (Chaetocladius) petraeus* Kieffer, 1921 (below). [Note]
- petraeus* KIEFFER, 1921: *Archiv für Hydrobiologie Supplement* **2**(4): 797 (*Dactylocladius (Chaetocladius)*). Type-locality: [Germany] “Eifel: Bröltal”. **Preoccupied**. Junior primary homonym of *Dactylocladius petraeus* Kieffer, 1919 (above).
- plasensis* STROBL, 1898: *Glasnik Zemaljskog Muzeja Bosni u Hercegovini* **10**: 613 (*Chironomus*; as var. of *Chironomus minutus* Zetterstedt, 1850). Type-locality: [Bosnia and Herzegovina] **Plasi kod Jablanice** [= Plaša near Jablanica]. Senior primary homonym of *Chironomus plasensis* Strobl, 1900 (below). [Note]
- plasensis* STROBL, 1900: *Wissenschaftliche Mitteilungen aus Bosnien und Herzegovina* **7**: 665 (*Chironomus*; as var. of *Chironomus minutus* Zetterstedt, 1850). Type-locality: [Bosnia and Herzegovina] “Plaša bei Jablanica” [= Plaša near Jablanica]. **Preoccupied**. Junior primary homonym of *Chironomus plasensis* Strobl, 1898 (above). [Note]
- ploenensis* KIEFFER, 1921: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **29**: 93

- (*Trichocladius*). Type-locality: [Germany] “Sleswig-Holstein, grand lac de Ploen” [= Schleswig-Holstein, Grosser Plöner See].
- polychromus* KIEFFER, 1906: *Annales de la Sociétés Scientifique de Bruxelles, 2^e partie (Mémoires)* **30**: 328 (*Cricotopus*). Type-locality: [France] “Bitche”.
- polychromus* KIEFFER, 1906: *Genera Insectorum* **42**: 24 (*Cricotopus*). Locality: Not given. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum**.
- porteri* BRÈTHES, 1913: *Boletin del Museo Nacional de Chile* **4**(2): 219 (*Pseudhydrobaenus*; as “*Porteri*”). Type-localities: {Chili} “Valles de Azapa & Lluta (Prov. Tacna)” [= Valleys of Azapa & Lluta (Province of Tacna)] [Chili = Chile]. [**Note**]
- praticola* KIEFFER, 1915: *Zoologische Jahrbücher, Abteilung Systematik, Ökologie und Geographie der Tiere* **39**: 115 (*Metriocnemus*). Type-locality: {Faroës} “Sandö, Wiesenhang” [= Sandö, grassy slope].
- proximus* MEIGEN, 1830: *Systematische Beschreibung* **6**: 250 (*Chironomus*). Type-locality: [Title] “europäischen” [= European].
- pseudohirticollis* STROBL, 1880: *Dipterologische Funde um Seitenstetten*: 54 (*Chironomus*; as “*pseudo-hirticollis*”). Type-localities: [Austria] {Seitenstetten} “hinter dem Meierhofe” [= behind the farm buildings] ; “in der Fröschelau” [= in the Fröschelau]; “am Stiftsteiche” [= at the monastery pond].
- pseudoictericus* SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 213 (*Orthocladius* (*Paratrichocladius*)). Type-locality: {Canary Islands} “en la isla de la Palma” [= on the island of La Palma]. [**Note**]
- pseudictericus*: incorrect subsequent spelling.
- publicus* HUTTON, 1902: *Transactions and Proceedings of the New Zealand Institute* **34**: 184 (*Orthocladius*). Type-locality: {New Zealand} “Christchurch”.
- pulchellus* KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 85 (*Trichocladius*). Type-locality: [Germany] “Bavière : Saint-Ottilien” [= Bavaria : St. Ottilien].
- pulchralis* SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de*

Barcelona **14**(2): 198 (*Orthocladius* (*Orthocladius*)). Type-locality: {Canary Islands} “en la isla de la Palma” [= on the island of La Palma].

punctaticollis SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 186 (*Camptocladius*). Type-locality: {Canary Isles} “en Santa Cruz de la Palma”.

punctatus KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 184 (*Camptocladius*). Type-locality: [Introduction] “Allemagne” [= Germany] || ► Type-locality: [Germany, Westphalia] “in der Kleinbahn Haspe-Breckerfeld” [= in the narrow-gauge Haspe-Breckerfeld railway] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 76 ◀ ||.

puripennis KIEFFER, 1922: *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 37 (*Camptocladius*). Type-locality: [Title, p. 26] “Européens” [= European, i.e. Europe] || ► Type-locality: [Poland] “Silésie” [= Silesia]; [Introduction, p. 11] “sur un haut plateau tourbeux, nommé Seefelder” [= on a highland moor, named Seefelder] in Kieffer, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 80 ◀ ||. Senior primary homonym of *Camptocladius puripennis* Kieffer, 1924 (below). [Note]

puripennis KIEFFER, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 80 (*Camptocladius*). Type-locality: [Poland] “Silésie” [= Silesia]; [Introduction, p. 11] “sur un haut plateau tourbeux, nommé Seefelder” [= on a highland moor, named Seefelder]. **Preoccupied**. Junior primary homonym of *Camptocladius puripennis* Kieffer, 1922 (above).

pusio MEIGEN, 1830: *Systematische Beschreibung* **6**: 256 (*Chironomus*). Type-locality: [Title] “europäischen” [= European].

rectinervis KIEFFER, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 74 (*Camptocladius*). Type-locality: [Poland] “Silésie, . . . tourbière d’un Haut Plateau” [= Silesia, . . . on a highland moor]; [Introduction, p. 11] “sur un haut plateau tourbeux, nommé Seefelder” [= on a highland moor, named Seefelder].

- rhacusensis* STROBL, 1898: *Glasnik Zemaljskog Muzeja Bosni u Hercegovini* **10**: 614 (*Chironomus*). Type-locality: [Croatia] **Dubrovnik, među rogozom na Ričini** [= Dubrovnik, among reeds on the Ričina] [error, Ričina = Omla]. Senior primary homonym of *Chironomus rhacusensis* Strobl, 1900. [Note]
- rhacusensis* STROBL, 1900: *Wissenschaftliche Mitteilungen aus Bosnien und Herzegovina* **7**: 665 (*Chironomus*). Type-locality: [Croatia] “Ragusa, zwischen Schilf an der Omla” [= Ragusa (now Dubrovnik), among reeds on the Omla]. **Preoccupied**. Junior primary homonym of *Chironomus rhacusensis* Strobl, 1898.
- rivularis* STORÅ, 1945: *Commentationes Biologicae* **8**(10): 27 (*Orthocladius* (*Orthocladius*)). Type-localities: {Azoren} [= Azores] “Mig.: Furnas” [Mig. = São Miguel]; “Lagoa do Congro”; “Pico da Vara”; “Flor.: Vales” [Flor. = Flores]; “Ribeira Borqueiros”.
- rivulorum* AKHROROV, 1975: *Gidrobiologicheskii Zhurnal* **11**(2): 70 (*Pseudosmittia*). Type-locality: [Tajikistan] **sbrosnogo kanala v yugo-zapadnoi chasti Kairak-Kumskogo vodokhranilishcha** [= disused spillway at the southwestern part of Kara-Kum Reservoir].
- rivulorum* KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 386 (*Cricotopus*). Type-locality: [Germany] “Holstein : larve dans une source” [= Holstein : larve in a spring].
- rostratus* KIEFFER, 1922: *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 27, 35 (*Camptocladius*). Type-locality: [Title, p. 26] “Européens” [= European, i.e. Europe]. [Note]
- rupicola* KIEFFER, 1919: *Bulletin de la Société d'Histoire Naturelle de l'Afrique du Nord* **10**: 205 (*Dactylocladius*). Type-locality: “Algérie : Crête du Haïzer (Djurdjura)” [= Algeria : Haïzer ridge (Djurdjura)].
- sahariensis* KIEFFER, 1926: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **45**: 101 (*Trichocladius*). Type-locality: “Algérie : Biskra” [= Algeria : Biskra]. [Note]

saharensis: incorrect subsequent spelling.

scaturiginis GOETGHEBUER, 1940: *Bulletin et Annales de la Société Entomologique de Belgique* **80**(1): 62 (*Orthocladius*). Type-locality: [Introduction, p. 55] “aux environs d’Abisko, en Laponie Suédoise” [= in the vicinity of Abisko, in Swedish Lapland]; [p. 62] “près d’une source” [= near a spring].

schmoelzerella GOETGHEBUER, 1950: *Bulletin de l’Institut Royal des Sciences Naturelles de Belgique* **26**(47): 12 (*Smittia*; as “*Schmölzerella*”). Type-locality: [Austria] “Telstuf. Westteil. des Wolfendorn, 2300 m” [= Telstuf. western part of the Wolfendorn, 2300 metres].

schmölzerella: incorrect original spelling.

schmoelzeri GOETGHEBUER, 1950: *Bulletin de l’Institut Royal des Sciences Naturelles de Belgique* **26**(47): 11 (*Smittia*; as “*Schmölzeri*”). Type-locality: “Wolfendorn Nordseite, Katscherfang, 2300 m (Autriche)” [= Wolfendorn north side, Katscherfang, 2300 metres (Austria)].

schmölzeri: incorrect original spelling.

scriptus MEIGEN, 1838: *Systematische Beschreibung* **7**: 7 (*Chironomus*). Type-locality: [Germany] “Baiern” [= Bavaria].

sedula KONSTANTINOV, 1952: *Trudy Amurskoi Ikhtiologicheskoi Ekspeditsii 1945-1949 gg. 3. Materialy k Poznaniyu Fauny i Flory SSSR (N. S.)* **32**: 393 (*Smittia*). Type-locality: [Russia, Far East] {basseina Amur} [= basin of the Amur River] **beregam Bezymyannoi rechki, vpadayushchei v protok Sii bliz sel. Bolon’** [= shore of the Bezymyannoi River, running into the Sii channel near the village of Bolon’].

semiviridis KIEFFER, 1921: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **29**: 99 (*Camptocladius*; as “*Semiviridis*”; as var. of *tritomus* Kieffer, 1921). Type-locality: [Poland] “Silésie” [= Silesia].

septentrionalis CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 151 (*Smittia*). Type-locality: [Russia, Northern European Territory] **naidena v zalive oz. Malyi Vud-yavr na

Kol'skom poluostrove** [= found in a bay on Lake Malvi Vud-yavr in the Kola Peninsula]. [Note]

septentrionalis KIEFFER, 1922: *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 9 (*Metriocnemus*). Type-locality: [Russia] {Nouvelle-Zemble} “Rivage au sud de l’Ile Blaafjell” [= south shore of Blaafjell Island].

septris ROBACK, 1957: *Proceedings of the Academy of Natural Sciences of Philadelphia* **109**: 14 (*Trichocladius*). Type-locality: Type-locality: [U.S.A.] “Heber-Midway Bridge, Wasatch County, Utah”.

setosinervis KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 181 (*Orthocladius*). Type-locality: [Introduction] “Allemagne” [= Germany] || ► Type-locality: [Germany, Westphalia] “aus Bachmoosen der Logrötke” [= from brook mosses of the Logrötke] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 75 ◄ ||.

setosipennis KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 183 (*Dactylocladius*). Type-locality: [Introduction] “Allemagne” [= Germany] || ► Type-locality: [Germany, Westphalia] “Aus Bachmoosen der Logrötke” [= From brook mosses of the Logrötke] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 75 ◄ ||.

severini GOETGHEBUER, 1939: *Bulletin et Annales de la Société Entomologique de Belgique* **79**(4/5): 229 (*Trichocladius*; as “*Severini*”). Type-locality: “à Postel (Belgique)” [= at Postel (Belgium)].

shadini PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 156 (*Smittia*). Type-localities: [Tajikistan] **na vodorazdele Mazor — Saradzhou . . . kurorta Khodzha-obi-garm** [= on the Mazor — Saradzhou watershed . . . Khodzha-Obi-Garm Spa]; **v doline r. Saradzhou** [= in the valley of the River Saradzhou].

silesiacus KIEFFER, 1921: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **29**: 85 (*Metriocnemus*). Type-locality: [Poland] “Silésie” [= Silesia].

sinuosus KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 200

(*Metriocnemus*). Type-locality: Not given || ► Type-locality: [Germany, Westphalia] “Ruhr unterhalb Arnsberg” [= the Ruhr below Arnsberg] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 77 ◀ ||.

sociatus SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 236 (*Metriocnemus*). Type-locality: {Canary Islands} “en la isla de la Palma, en la Dehesa de la Encarnación” [= on the island of La Palma, on the Dehesa de la Encarnación].

sordens JOHANNSEN, 1905: *Bulletin of the New York State Museum* **86**: 272 (*Orthocladius*). Type-locality: [U.S.A.] “Ithaca N. Y.” [N. Y. = New York].

sphagnophilus KIEFFER, 1925: *Beiträge zur Kunde Estlands* **10**: 158 (*Camptocladius*). Type-localities: “Estland: Alatu-Moor auf Dagö” [= Estonia: Alatu Moor on Dagö]; “Jööpre-Moor bei Pernau” [= Jööpre Moor near Pärnu]. [Note]

sphagnorum KIEFFER, 1925: *Beiträge zur Kunde Estlands* **10**: 161 (*Trichocladius*). Type-localities: “Estland: Mävli-Moor auf Dagö” [= Estonia: Mävli Moor on Dagö]. [Note]

squamosus KIEFFER, 1922: *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 33, 35 (*Camptocladius*). Type-locality: [Title, p. 26] “Européens” [= European, i.e. Europe] || ► Type-locality: “Suède, . . . larve dans une source” [= Sweden, . . . larva in a spring] in Kieffer, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 78 ◀ ||. Senior primary homonym of *Camptocladius squamosus* Kieffer, 1924 (below). [Note]

squamosus KIEFFER, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 78 (*Camptocladius*). Type-locality: “Suède, . . . larve dans une source” [= Sweden, . . . larva in a spring]. **Preoccupied**. Junior primary homonym of *Camptocladius squamosus* Kieffer, 1922 (above).

stadleri KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 559 (*Trichocladius*; as “*Stadleri*”). Type-locality: [Germany] “Bavière : Gossenheim, fontaine” [= Bavaria : Gossenheim, fountain].

- stagnalis* GOETGHEBUER, 1933: *Bulletin et Annales de la Société Entomologique de Belgique* **72**(11/12): 290 (*Eukiefferiella*). Type-locality: Not given || ► Type-locality: “Belgia” [= Belgium] in Goetghebuer in Goetghebuer & Lenz, 1944: *Die Fliegen der Palaearktischen Region* **13g**: 120 ◀ ||. [Note]
- stenopelma* KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 148 (*Cricotopus*). Type-locality: [Germany] “Westphalie : larves dans *Fontinalis*, Diemel” [= Westphalia : larvae in *Fontinalis*, Diemel] || ► Type-locality: [Germany, Westphalia] “In *Fontinalis* der Diemel bei Nieder-Marsberg” [= In *Fontinalis* of the Diemel at Nieder-Marsberg] in Thienemann, 1919: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 26 ◀ ||.
- stenopelma* THIENEMANN, 1919: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 26 (*Cricotopus*; as var. of *limnanthemis* Kieffer, 1910). Locality: [Germany, Westphalia] “In *Fontinalis* der Diemel bei Nieder-Marsberg” [= In *Fontinalis* of the Diemel at Nieder-Marsberg]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition).
Nomen nudum.
- stiliger* KIEFFER & THIENEMANN in THIENEMANN, 1921: *Archiv für Hydrobiologie Supplement* **2**(4): 846 (*Phaenocladus*). Type-locality: [Germany] “in einem Garten in Hamburg” [= in a garden in Hamburg]. [Note]
- strandis* LUNDSTRÖM, 1914: *Nytt Magasin for Naturvidenskapene* **51**(4): 317 (*Orthocladus* (*Trichocladus*); as “*Strandi*”). Type-locality: “Norvegia, Hvaløerne” [= Norway, Hvaløerne]. [Note]
- strenzkei* GOWIN, 1943: *Archiv für Hydrobiologie* **40**(1): 114 (*Eutrichocladus*). Type-locality: [Austria] “Maiergraben (II), bei Lunz (Nieder-Donau)” [= Maiergraben (II), at Lunz (Lower Danube)].
- subalpina* GOETGHEBUER, 1934: *Bulletin et Annales de la Société Entomologique de Belgique* **74**(3): 92 (*Eukiefferiella*). Type-locality: [Germany] [Title, p. 87]

“Environs de Garmisch-Partenkirchen (Haute-Bavière)” [= Vicinity of Garmisch-Partenkirchen (Upper Bavaria); [p. 93] “à une altitude de 1000 m.” [= at an altitude of 1000 metres]

subdedectus GOETGHEBUER, 1933: *Bulletin et Annales de la Société Entomologique de Belgique* **73**(11): 359 (*Metriocnemus*). Type-locality: [Russia] “Environs de Leningrad” [= Vicinity of Leningrad (now Saint Petersburg)].

subglaber KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 94 (*Trichocladius*). Type-locality: [Poland] “Silésie” [= Silesia].

sublaminatus KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 126 (*Camptocladius*). Type-locality: [India, Maharashtra] “Indes-Orientales: Matheran, à une hauteur de 800 m.” [= East Indies: Matheran, at a height of 800 metres].

subrecta GOETGHEBUER, 1942: *Archiv für Hydrobiologie* **38**: 663 (*Smittia*). Type-locality: [Footnote, p. 664] [Austria] “aus dem Lunzer Seengebiet (Niederdonau) . . . aus *Schizothrix*-Krusten des Lunzer Untersees” [= from the Lunz lake region (Lower Danube) . . . from *Schizothrix* encrustations of the 'Lower Lake' at Lunz].

succineus GOETGHEBUER, 1942: *Archiv für Hydrobiologie* **38**: 664 (*Orthocladius*). Type-locality: [Footnote, p. 664] [Germany] “aus dem Großen Plöner See” [= from the Grosser Plöner See].

sylvicola GOETGHEBUER, 1939: *Bulletin et Annales de la Société Entomologique de Belgique* **79**(4/5): 225 (*Limnophyes*; as “*Lymnophyes*”). Type-locality: “à Schelderode” (Belgique) [= at Schelderode (Belgium)].

tangens KIEFFER, 1911: *Bulletin de la Société Entomologique de France* **1911**: 200 (*Metriocnemus*). Type-locality: Not given ||► Type-locality: [Germany, Westphalia] “in der Kleinbahn Haspe-Breckerfeld” [= in the narrow-gauge Haspe-Breckerfeld railway] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 77◄||.

teletzensis LIPINA, 1949: *Trudy Zoologicheskogo Instituta, Leningrad* **7**: 202

(*Orthocladius*). Type-localities: [Russia, West Siberia] **V Teletskom ozere** [= In Lake Teletsk]; **u Chulyshmana** [= at Chulyshmana]; **v r. Kamge** [= in the River Kamge]; **v rch. Egach i Korby** [= in the brooks Egach and Korby]. [Note]

teletskensis: incorrect subsequent spelling.

tenuiventris KIEFFER, 1924: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 89 (*Trichocladius*; as var. of *nivicola* Kieffer, 1924). Type-locality: [Germany, Schwarzwald] “Todtmoos, bords du Rüttebach” [= Todtmoos, banks Rüttebach].

terricola KIEFFER, 1919: *Bulletin de la Société d'Histoire Naturelle de l'Afrique du Nord* **10**: 204 (*Trichocladius*). Type-locality: “Algérie : Crête du Haïzer (Djurdjura)” [Algérie = Algeria].

tetrachaetus KIEFFER, 1915: *Brotéria, Série Zoológica* **13**: 84 (*Orthocladius*). Type-locality: “Deutschland” [= Germany] || ► Type-locality: [Germany] “Diemel bei Messinghausen” [= Diemel at Messinghausen] in Thienemann, 1919: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 26 ◀ ||.

tetrasema KIEFFER, 1921: *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 97 (*Camptocladius*). Type-locality: [France] “Deux-Sèvres” || ► Type-locality: [France] [p. 26] “aux environs de Niort” [= in the vicinity of Niort] in Kieffer, 1922: *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 26 ◀ ||. Senior primary homonym of *Camptocladius tetrasema* Kieffer, 1922 (below).

tetrasema KIEFFER, 1922: *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 33 (*Camptocladius*). Type-locality: [France] [p. 26] “aux environs de Niort” [= in the vicinity of Niort]. **Preoccupied**. Junior primary homonym of *Camptocladius tetrasema* Kieffer, 1921 (above). [Note]

thalassobius KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 229 (*Camptocladius*). Type-locality: [p. 227] [Germany]

“voltigeant sur les bords de la mer Baltique, dans la baie de Hohwacht, au Holstein” ” [= flying on the shore of the Baltic Sea, in Hohwacht Bay, in Holstein].

timoni GOETGHEBUER & TIMON-DAVID, 1939: *Bulletin et Annales de la Société Entomologique de Belgique* **79**(1/2): 69 (*Orthocladius*; as “*Timoni*”). Type-locality: [France] {iles du Golfe de Marseille} [= islands in the Gulf of Marseille] [p. 65-66] “POMÈGUES-RATTONEAU”. [Note]

tolleti GOETGHEBUER, 1944: *Biologisch Jaarboek* **11**: 39 (*Orthocladius*; as “*Tolleti*”). Type-locality: “Onoz (Belgique)” [= Onoz (Belgium)].

transcausicus CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 146 (*Limnophyes*). Type-locality: Not given || ► Type-locality: “Armenia r. Zanga u g. Erevan” [= Armenia, River Zanga near city of Yerevan] ◀ ||. [Note]

trifoliatus KIEFFER, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 73 (*Camptocladius*). Type-locality: [Poland] “Silésie : tourbière d’un Haut Plateau” [= Silesia, . . . on a highland moor]; [Introduction, p. 11] “sur un haut plateau tourbeux, nommé Seefelder” [= on a highland moor, named Seefelder]. [Note]

trifurcatus GOETGHEBUER in GOETGHEBUER & LENZ, 1943: *Die Fliegen der Palaearktischen Region* **13g**: 70 (*Orthocladius (Eudactylocladius)*). Type-locality: “Belgia” [= Belgium].

triseta KIEFFER, 1925: *Beiträge zur Kunde Estlands* **10**: 157 (*Camptocladius*). Type-locality: “Estland: Jööpre-Moor bei Pernau” [= Estonia: Jööpre Moor near Pärnu]. [Note]

tritonus KIEFFER, 1921: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **29**: 99 (*Camptocladius*). Type-locality: [Poland] “Silésie” [= Silesia]. [Note]

tschernovskyi KONSTANTINOV, 1952: *Trudy Amurskoi Ikhtiologicheskoi Ekspeditsii 1945-1949 gg. 3. Materialy k Poznaniyu Fauny i Flory SSSR (N. S.)* **32**: 394 (*Smittia*). Type-locality: [Russia, Far East] {basseina Amur} [= basin of the Amur River] **naideny v Bezymyannoi rechki, vpadayushchei s severa v protok Sii bliz sel.

Bolon'*** [= found in the Bezymyanoi River, running from the north into the Sii channel near the village of Bolon].

tshernovskii: incorrect subsequent spelling.

tshernovskii ZVEREVA, 1950: *Entomologicheskoe Obozrenie* **31**(1-2): 280 (*Smittia*). Type-locality: [Russia, Northern European Territory] **Vycheгда . . . vodoemy poimy u s. Slobody** [= River Vycheгда . . . water bodies in the flood plain near the village of Sloboda].

tunisiae KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 84 (*Trichocladius*; as “*Tunisiae*”). Type-localities: “Tunisie: Djebel Afrana”; “Djebel Djeloud”; “Tunis” [Tunisie = Tunisia].

turficola KIEFFER, 1929: *Schriften der Physikalisch-Ökonomischen Gesellschaft zu Königsberg* **66**: 303 (*Camptocladius*). Type-locality: [Russia, Kaliningrad Region] “Hochfläche der Zehlau” [= plateau of Zehlau].

tyrolensis KIEFFER, 1925: *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 384 (*Metriocnemus*). Type-locality: [Austria] “Tyrol”.

umbraticus SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 199 (*Orthocladius* (*Orthocladius*)). Type-locality: {Canary Islands} “en la isla de la Palma, en el Barranco del Río” [= on the island of La Palma, in the Barranco del Río].

unica JOHANNSEN, 1932: *Archiv für Hydrobiologie Supplement* **9**: 725 (*Spaniotoma* (*Trichocladius*)). Type-locality: [Indonesia] “near a waterfall at Sarangan, Middle Java”.

unicolor PHILIPPI, 1866: *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **15**(4): 629 (*Spaniotoma*). Type-locality: {Chile} “Cum priore inveni” [= found with the first species, i.e. *Spaniotoma bivittata* Philippi, “prope Santiago”] [= near Santiago]. [Note]

ursinus KIEFFER in KIEFFER & THIENEMANN, 1919: *Entomologische Mitteilungen* **8**: 117 (*Dactylocladius*; as var. of *petraeus* Kieffer, 1919). Type-locality: [Norway] “Bäreninsel: Süßwassertümpel, oberhalb der Walfischbucht” [= Bear

Island: freshwater pool, above Walrus Bay]. Senior secondary homonym of *Limnophyes ursinus* Andersen, 1937 (below).

ursinus ANDERSEN, 1937: *Meddelelser om Grønland* **116**(1): 70 (*Limnophyes*; as nom. nov. for “*Dactylocladius petraeus* Kieff. var. *ursinus* Kieff. 1919”). **Preoccupied**. Junior secondary homonym of *Dactylocladius ursinus* Kieffer, 1919 (above). [Note]

vanoyei GOETGHEBUER, 1944: *Biologisch Jaarboek* **11**: 164 (*Orthocladius*; as “*van Oyei*”). Type-locality: “Thingvellir, . . . dans l’hôtel Valhöll (Islande)” [= Thingvellir, . . . in the Hotel Valhöll (Iceland)].

vernus MEIGEN, 1818: *Systematische Beschreibung* **1**: 49 (*Chironomus*). Type-locality: [Title] “europäischen” [= European].

verticillatus KIEFFER, 1922: *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 32 (*Camptocladius*). Type-locality: [Title, p. 26] “Européens” [= European, i.e. Europe] || ► Type-locality: Germany] “Westphalie : larve dans une mousse du genre *Fontinalis* dans la Diemel” [= Westphalia : larva in a moss of the genus *Fontinalis* in the Diemel] in Kieffer, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 149 ◀ ||. Senior primary homonym of *Camptocladius verticillatus* Kieffer, 1923 (below). [Note]

verticillatus KIEFFER, 1923: *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 149 (*Camptocladius*). Type-locality: Germany] “Westphalie : larve dans une mousse du genre *Fontinalis* dans la Diemel” [= Westphalia : larva in a moss of the genus *Fontinalis* in the Diemel]. **Preoccupied**. Junior primary homonym of *Camptocladius verticillatus* Kieffer, 1922 (above).

verticillatus KIEFFER, 1924: *Bulletin de la Société d’Histoire Naturelle de la Moselle* **30**: 100 (*Metriocnemus*). Type-locality: [Germany] “Holstein, larve dans un ruisseau” [= Holstein, larva in a stream].

viator KIEFFER in THIENEMANN & KIEFFER, 1916: *Archiv für Hydrobiologie Supplement* **2**(3): 510 (*Trichocladius*). Type-locality: {Sweden} “Im zug

Hälsingborg-Wärnamo" [= In the Hälsingborg-Wärnamo train].

vicinus SANTOS-ABREU, 1918: *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 200 (*Orthocladius* (*Orthocladius*)). Type-locality: {Canary Islands} "en la isla de la Palma, . . . en el Barranco del Río" [= on the island of La Palma, . . . in the Barranco del Río].

vilis KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 131 (*Camptocladius*). Type-locality: [Turkey] "Asie-Mineure: Agaboz" [= Asia minor: Agaboz].

villosipes KIEFFER, 1918: *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 129 (*Camptocladius*). Type-locality: [Turkey] "Asie-Mineure: Angora" [= Asia minor: Ankara].

viridiventris KIEFFER, 1912: *Bulletin de la Société Entomologique de France* **1912**: 86 (*Metriocnemus*). Type-locality: "Allemagne" [= Germany] || ▶ Type-locality: [Germany] "Im Bachmoose im Thüringen Wald" [= In brook moss in the Thuringian woods]; "Apfelstädt bei Tambach" [= Apfelstadt at Tambach] in Thienemann, 1912: *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 78 ◀ ||.

virtunensis GOETGHEBUER, 1932: *Faune de France* **23**: 92 (*Orthocladius* (*Dactylocladius*)). Type-locality: "Belgique : Gand" [= Belgium : Gand].

Unavailable names in ORTHOCLADIINAE

LJUNGNERIA BRUNDIN, 1964: *Pacific Basin Biogeography*: 430. Type-species: Not given.

Name not made available - not accompanied by the fixation of a type-species contrary to Article 13.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

[Note]

TOGAYUSURIKA SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120. Type-species: *Togayusurika togatebea* Sasa & Okazawa, 1991, by original designation. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code

(ICZN, 1999, 4th Edition). **Nomen nudum.**

acuticauda CHERNOVSKII, 1949: *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **31**: 94-95 (as “Orthoclaadiinae gen.? 1. *acuticauda* (Pagast)”). Locality: Not given [Russia, Tver’ Province, Central European Territory] **r. Mologa vyshe v Reni** [= River Mologa upstream of the inflow of the River Renya (now drowned in the Rybinsk Reservoir)] || ► Localities: [Latvia] “in der Krievupe bei Rodenpois (Rapaži) . . . (Livland)” [= in the Krievupe at Rodenpois (Ropaži) . . . (Livonia)]; [Russia, Pskov Province] “in einem Nebenfluß der Pimsha (mündet ins Südende des Peipussees) beim orthodoxen Kloster Petschory in Südost-Estland)” [= in a tributary of the Pimsha River (flows into the southern end of Lake Pskovskoe) at the orthodox monastery Pechory in south-eastern Estonia (locality now in Russia)], in Pagast, 1936: *Stettiner Entomologische Zeitung* **97**(2): 278 ◀ ||. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum.** [Note]

altyncolicola LIPINA, 1949: *Trudy Zoologicheskogo Instituta, Leningrad* **7**: 200 (as “Genus? «Larva *altyncolicola*»”). Locality: [Russia, West Siberia] **V r. Chulyush** [= In the River Chulyush]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum.** [Note]

ambigua PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 141 (as “Orthoclaadiinae g.? 1.”). Type-localities: [Tajikistan] **v ushel’e Zamindoroz** [= in Zamindoroz Gorge]; **v ruch’e za Botanicheskim sadom** [= in a stream behind the Botanic Garden]; **v r. Varzob** [= in the River Varzob]; **doliny r. Lyuchob** [= valley of the River Lyuchob]; **v luzhe v Gissare** [= in pools at Gissare]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

- astilus* LINEVICH in LINEVICH, MAKARCHENKO & ALEKSANDROV, 2002: *Khironomidy Baikala i Pribaikal'ya*: 108 (as “Orthoclaadiinae g.?”). Locality: {Russia, East Siberia } **zapadnoe poberezh'e Baikala u ust'ya r. Chernoi** [= west coast of Lake Baikal, Zhilishche stream at the mouth of the River Chernoi]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**
- attrita* PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 160 (as “Orthoclaadiinae g.? 1.”). Locality: [Tajikistan] **v ushel'e Kondara** [= in Kondar Gorge]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.** [Note]
- calliginosa* PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 151 (as “Orthoclaadiinae g.? 1.”). Type-localities: [Tajikistan] **v r. Kondare** [= in the River Kondar]; **v r. Varzob u Kondary** [= in the River Varzob at Kondar]; **r. Kafirnigan u Yangi-bazara** [= River Kafirnigan at Yangi-Bazara; now = River Kofarnihon at Vahdat]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**
- carbonaria* PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 149 (as “Orthoclaadiinae g.? 1.”). Localities: [Tajikistan] **na ploskogor'e Ruidasht** [= on the Ruidasht Plateau]; **na gore doliny Saradzhou** [= in the mountain valley of Saradzhou]; **v ushel'e Zamindoroz** [= in Zamindoroz Gorge]; **v Mazor-dar'e** [= in the Mazor-Darya River]; **kurorta Khodzha-obi-garm** [= Khodzha-Obi-Garm Spa]; **v Goluboi rechke 4 km vyshe poselka Ziddy** [= in the Goluboi River 4 kilometres above the village of Ziddy]; **v Ziddinke vyshe poselka Ziddy** [= in the Ziddinke River above the village of Ziddy]; **v Kondare** [= in Kondar]; **v Varzobe** [= in Varzob]; **v r. Varzob** [= in the River Varzob]; **v r. Lyuchob** [= in the River Lyuchob];

****v r. Kafirnigan**** [= in the River Kafirnigan; now = River Kofarnihon]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition).

Nomen nudum.

clara PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 145 (as “Orthoclaadiinae g.? 1.”). Localities: [Tajikistan] ****v r. Kondare**** [= in the River Kondar]; ****v rucheike za Botanicheskim sadom**** [= in a streamlet behind the Botanic Garden]; ****v r. Varzob**** [= in the River Varzob]; ****v r. Lyuchob**** [= in the River Lyuchob]; ****v r. Kafirnigan . . . u Yangi-bazara**** [= in the River Kafirnigan . . . at Yangi-Bazara, now = in the River Kofarnihon . . . at Vahdat]; ****v r. Khanakinke v Gissare**** [= in the River Khanakinke at Gissare]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

comprimata PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 143 (as “Orthoclaadiinae g.? 1.”). Locality: [Tajikistan] ****Naidena . . . vmeste s lichinkoi Orthoclaadiinae g.? 1. ventrisetosa**** [= Found . . . together with the larva of Orthoclaadiinae g.? 1. *ventrisetosa*; i.e. ****v rodнике vyshe kurorta Khodzha-obi-garm**** [= in springs above Khodzha-Obi-Garm Spa]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.** [Note]

condarensis PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 153 (as “Orthoclaadiinae g.? 1.”). Localities: [Tajikistan] ****v r. Kondare**** [= in the River Kondar]; ****vyshe kurorta Khodzha-obi-garm**** [= above Khodzha-Obi-Garm Spa]; ****v r. Varzob**** [= in the River Varzob]; ****v r. Khanakinke v Gissare**** [= in the River Khanakinke at Gissare]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

curvata PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* 9(1): 144 (as “Orthoclaadiinae g.? 1.”). Locality: [Tajikistan] **v ushchel'e Khodzha-obi-garm v ruch'yakh na vodorazdele Mazor — Saradzhou** [= in Khodzha-Obi-Garm Gorge in streams on the Mazor — Saradzhou watershed]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

dissimulata PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* 9(1): 161 (as “Orthoclaadiinae g.? 1.”). Locality: [Tajikistan] **v r. Saradzhou** [= in the River Saradzhou]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

dixidoides PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* 9(1): 160 (as “Orthoclaadiinae g.? 1.”). Locality: [Tajikistan] **v doline r. Saradzhou** [= in the valley of the River Saradzhou]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.** [Note]

dixioides: incorrect subsequent spelling.

dubia PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* 9(1): 139 (as “Orthoclaadiinae g.? 1.”). Localities: [Tajikistan] **v r. Kondare** [= in the River Kondar]; **v doline r. Varzob** [= in the valley of the River Varzob]; **doline r. Lyuchob** [= valley of the River Lyuchob]; **r. Kafirnigan y Yangi-bazara** [= River Kafirnigan at Yangi-Bazara; now = River Kofarnihon at Vahdat]; **v r. Khanakinke** [= in the River Khanakinke]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

fontana PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* 9(1): 152 (as “Orthoclaadiinae g.? 1.”). Localities: [Tajikistan] **ushchel'e Kondara** [=

Kondar Gorge]; **na ploskogor'e Ruidasht . . . v r. Lyuchob** [= on the Ruidasht Plateau . . . in the River Lyuchob]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

fracta PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 153 (as "Orthoclaadiinae g.? 1."). Localities: [Tajikistan] **v r. Varzob** [= in the River Varzob]; **kanalizatsionnykh g. Stalinabada** [= sewage water of Stalinabad City; now Stalinabad = Dushanbe]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

hepaticus PANKRATOVA, 1972: *Trudy Zoologicheskogo Instituta, Leningrad* **51**: 158 (as "Orthoclaadiinae gen.(?) *hepaticus*"). Locality: [Uzbekistan] {Uzbezkoi SSR} **Lichinki zhili vmeste s Orthoclaadiinae gen.(?) *reductus* sp. n.** [= Larvae living together with Orthoclaadiinae gen.(?) *reductus* sp. n.], [p. 157, *reductus*] **v obrastaniyakh mkha na perekate rodnikovoï r. Agalyk** [= in moss fouling in a riffle of the spring-feeding River Agalyk] (2 km upstream of the village of Agalyk)]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum.** [Note]

hyalina PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 147 (as "Orthoclaadiinae g.? 1."). Localities: [Tajikistan] **v r. Lyuchob** [= in the River Lyuchob]; **v Gissare** [= in Gissare]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

incurva PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 154 (as "Orthoclaadiinae g.? 1."). Localities: [Tajikistan] **v r. Varzob u Pugusa** [= in the River Varzob at Pugusa]; **v r. Kondare** [= in the River Kondar]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition).

Nomen nudum.

indefinita PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 162 (as “Orthoclaadiinae g.? 1.”). Locality: [Tajikistan] **v Mazor-dar'e nizhe kurorta Khodzha-obi-garm** [= in the Mazor-Darya River below Khodzha-Obi-Garm Spa]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

insolita PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 147 (as “Orthoclaadiinae g.? 1.”). Localities: [Tajikistan] **v r. Lyuchob** [= in the River Lyuchob]; **v Gissare** [= in Gissare]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

intermedia BOTNARIUC & CÎNDEA-CURE, 1954: *Buletin Științific Academia Republicii Populare Române* **6**(4): 1239 (as “Orthoclaadiinae gen? 1.”). Locality: {Roumaine} “în bazinul de decantare a fabricii de zahăr de la Chitila” [= in the settling pond of the sugar factory of Chitila] [Roumaine = Romania]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum.**

intermedius LINEVICH in LINEVICH, MAKARCHENKO & ALEKSANDROV, 2002: *Khironomidy Baikala i Pribaikal'ya*: 108 (as “Orthoclaadiinae g.?”). Locality: {Russia, East Siberia} **bereg oz. Baikal v doline r. Bol. Koty** [= shore of Lake Baikal in the valley of the River Bol'shie Koty]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

jantschilicola LIPINA, 1949: *Trudy Zoologicheskogo Instituta, Leningrad* **7**: 202 (as “Genus? «Larva *jantschilicola*»”). Locality: [Russia, West Siberia] **v rch. Yan-Chili** [= in the Yan-Chili brook]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the

Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum.** [Note]

korbuicola LIPINA, 1949: *Trudy Zoologicheskogo Instituta, Leningrad* 7: 201 (as “Genus? «Larva *korbuicola*»”). Locality: [Russia, West Siberia] **v rr. Bii i Korby** [= in the Rivers Bii and Korby]; **v ruch'yakh Ayu-kechpes i Ilandy** [in the brooks Ayu-kechpes and Ilandy]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum.** [Note]

lancetosa PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* 9(1): 158 (as “Orthoclaadiinae g.? 1.”). Locality: [Tajikistan] **v ushchel'e Zamindoroz** [= in Zamindoroz Gorge]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

lichkovae PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* 9(1): 163 (as “Orthoclaadiinae g.? 1.”). Locality: [Tajikistan] [Introduction, p. 116] **bassein Amu-dar'i . . . Tadzhiqistane** [= basin of the Amu-Darya . . . Tajikistan]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

luteola PANKRATOVA, 1959: *Trudy Zoologicheskogo Instituta, Leningrad* 26: 370 (as “Orthoclaadiinae g.? 1.”). Locality: [Russia, Southern European Territory] [Title, p. 365] **Krasnodarskogo kraja** [= Krasnodar Krai]; [p. 371] **r. Psekups** [= River Psekups]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

microcladioides LIPINA, 1949: *Trudy Zoologicheskogo Instituta, Leningrad* 7: 200 (as “Genus? «Larva *microcladioides*»”). Locality: [Russia, West Siberia] **oz. Teletskoe** [= Teletsk Lake]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum.** [Note]

minima CURE, 1971: *Buletinul de Cercetări Piscicole* **30**(3/4): 17 (as “Orthoclaadiinae g.? 1.”). Localities: {România} “în bazinul râurilor : Moldova . . . Someș . . . Argeș . . . Olt . . . Ialomița . . . Cerna . . . Cozla și Berzasca . . . Jiu” [= in river basins : Moldova . . . Someș . . . Argeș . . . Olt . . . Ialomița . . . Cerna . . . Cozla and Berzasca . . . Jiu]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum.** [Note]

molesta PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 148 (as “Orthoclaadiinae g.? 1.”). Locality: [Tajikistan] **v Bazovskom ozere v doline r. Vakhsh** [= in Bazovsk Lake in the valley of the River Vakhsh]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

nalae PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 147 (as “Orthoclaadiinae g.? 1.”). Localities: [Uzbekistan] **v del'te Amu-dar'i — v Sudoch'em ozere . . . i v ozere Kara-teren' u mysa Urga** [= in the delta of the Amu-Darya River — in Sudoch'em Lake and in Kara-teren' Lake at Cape Urga]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

nana PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 142 (as “Orthoclaadiinae g.? 1.”). Localities: [Tajikistan] **v Mazor-dar'e vyshe kurorta Khodzha-obi-garm** [= in the Mazor-Darya River above Khodzha-Obi-Garm Spa]; **v r. Kolond'yu u kurorta Khodzha-obi-garm** [= in the River Kolond'yu at Khodzha-Obi-Garm Spa]; **v r. Kondare** [= in the River Kondar]; **v r. Varzob** [= in the River Varzob]; **r. Kafirnigan** [= River Kafirnigan; now = River Kofarnihon]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

ninae PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 146 (as “Orthoclaadiinae g.? 1.”). Locality: [Uzbekistan] **ozere Kok-su v del'te Amudar'i** [= Kok-su Lake in the delta of the Amu-Darya River]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

obicola LIPINA, 1949: *Trudy Zoologicheskogo Instituta, Leningrad* **7**: 196 (as “Genus? «Larva *obicola*»”). Localities: [Russia, West Siberia] **v Aziatskoi chasti SSSR, v ozerakh Sartlane i Ubinskom** [= in the Asiatic part of the USSR, in Lakes Sartlane i Ubinskom]; **V Teletskom ozero** [= In Teletsk Lake]; **v r. Kamge** [= in the River Kamge]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum.** [Note]

obscura PANKRATOVA, 1959: *Trudy Zoologicheskogo Instituta, Leningrad* **26**: 365 (as “Orthoclaadiinae g.? 1.”). Locality: [Russia, Southern European Territory] [Title, p. 365] **Krasnodarskogo kraja** [= Krasnodar Krai]; [p. 368] **r. Psekups** [= River Psekups]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

paradoxus LINEVICH in LINEVICH, MAKARCHENKO & ALEKSANDROV, 2002: *Khironomidy Baikala i Pribaikal'ya*: 110 (as “Orthoclaadiinae g.?”). Locality: {Russia, East Siberia} **zapadnoe poberezh'e Baikala, dolina v r. Bol. Koty** [= west coast of Lake Baikal, in the valley of the River Bol'shie Koty]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

pargus PANKRATOVA, 1959: *Trudy Zoologicheskogo Instituta, Leningrad* **26**: 369 (as “Orthoclaadiinae g.? 1.”). Locality: [Russia, Southern European Territory] [Title, p. 365] **Krasnodarskogo kraja** [= Krasnodar Krai]; [p. 370] **r. Psekups, u

st. Klyuchevoi** [= River Psekups, by the Klyuchevo stream]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

principata PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 140 (as "Orthoclaadiinae g.? 1."). Localities: [Tajikistan] **na ploskogor'e Ruidasht . . . ushchel'ya Khodzha-obi-garm** [= on the Ruidasht Plateau . . . Khodzha-Obi-Garm Gorge]; **bliz Gushary** [= near Gushary]; **v ushchel'e Gazhni** [= in Gazhni Gorge]; **v ushchel'e Kondara** [= in Kondar Gorge]; **v Mazor-dar'e nizhe kurorta Khodzha-obi-garm** [= in the Mazor-Darya River below Khodzha-Obi-Garm Spa]; **v Goluboi rechke vyshe Ziddy** [= in the Goluboi River above Ziddy]; **v Kondare** [= in Kondar]; **v r. Varzob** [= in the River Varzob]; **nizhe g. Varzob** [= below Varzob City]; **v r. Varzob u Botanicheskogo sada** [= in the River Varzob at the Botanical Garden]; **v r. Lyuchob** [= in the River Lyuchob]; **v r. Khanakinke** [= in the River Khanakinke]; **v r. Kafirnigan** [= in the River Kafirnigan; now = River Kofarnihon]; **Gissara** [= Gissare]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition) (Orthoclaadiinae g. ?1.). **Nomen nudum.**

proxima PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 141 (as "Orthoclaadiinae g.? 1."). Localities: [Tajikistan] **na ploskogor'e Ruidasht . . . v r. Lyuchob** [= on the Ruidasht Plateau . . . in the River Lyuchob]; **r. Kafirnigan v Gissare** [= River Kafirnigan at Gissare; now River Kafirnigan = River Kofarnihon]; **u Yangi-bazara** [= at Yangi-Bazara; now = Vahdat]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition) (Orthoclaadiinae g.?1.). **Nomen nudum.**

pseudolancetosa PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1):

159 (as “Orthoclaadiinae g.? 1.”). Locality: [Tajikistan] **v rodnike ushel'e Zamindoroz** [= in springs in Zamindoroz Gorge]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

quadriarticulata PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 159 (as “Orthoclaadiinae g.? 1.”). Locality: [Tajikistan] **bereg r. Kondare** [= shore of the River Kondar]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

reductus PANKRATOVA, 1972: *Trudy Zoologicheskogo Instituta, Leningrad* **51**: 157 (as “Orthoclaadiinae gen.(?) *reductus*”). Locality: [Uzbekistan] {Uzbekskoi SSR} **v obrastaniyakh mkha na perekate rodnikovo r. Agalyk** [= in moss fouling in a riffle of the spring-feeding River Agalyk (2 km upstream of the village of Agalyk)]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum.** [Note]

schoschcae MARTYNOVA, 1969: *Gidrobiologicheskii Zhurnal* **5**(6): 93 (as “Orthoclaadiinae g. ? 1.”). Type-locality: [Russia, Central European Territory] **Shoshke i Kiyale-Burte . . . v pravom pritoke Urala — Sakmare . . . v pritokakh Sakmary — Blyave i Kuraganke** [= Shoshke and Kiyale-Burte . . . in the right tributary Urala — Sakmare . . . in the tributary Sakmare — Blyave and Kuraganke]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum.** [Note]

schoschcae: incorrect subsequent spelling.

setosus LINEVICH, 1961: *Entomologicheskoe Obozrenie* **40**(3): 503 (*Orthoclaadius*). Type-locality: [Russia, East Siberia] **Baikal** [= Baikal region]. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

- sibiricola* LIPINA, 1949: *Trudy Zoologicheskogo Instituta, Leningrad* 7: 200 (as “Genus? «Larva *sibiricola*»”). Locality: [Russia, West Siberia] **v r. Yan-Chili** [= in the River Yan-Chili]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum.** [Note]
- solivaga* PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* 9(1): 163 (as “Orthoclaadiinae g.? 1.”). Localities: [Tajikistan] **v rucheike za Botanicheskim sadom g. Stalinabada** [= in a stream behind the Botanic Garden in Stalinabad City; now Stalinabad = Dushanbe]; **v r. Varzob** [= in the River Varzob]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**
- spinosa* LINEVICH in LINEVICH, MAKARCHENKO & ALEKSANDROV, 2002: *Khironomidy Baikala i Pribaikal'ya*: 110 (as “Orthoclaadiinae g.?”). Locality: {Russia, East Siberia} **oz. Baikal, bereg Posol'skogo sora** [= Lake Baikal, shoreline lagoon at Posol'skii]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**
- tecta* PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* 9(1): 145 (as “Orthoclaadiinae g.? 1.”). Locality: [Tajikistan] **v r. Varzob u Pugusa** [= in the River Varzob at Pugusa]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**
- tiltinshi* PANKRATOVA, 1959: *Rybnoe Khozyaistvo Vnutrennykh Vodoemov Latvviskoi SSR* 3: 193 (as “Orthoclaadiinae gen. ? 1.”). Type-locality: [Latvia] **v reke Tsietserē v Salduskom raione** [= in the River Tsietserē in the Saldus district]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition). **Nomen nudum.** [Note]

togatebea SASA & OKAZAWA, 1991: *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**: 120 (*Togayusurika*). Locality: {Japan} [Abstract, p. 105] “Toga-mura, a village situated in the mountainous region of Toyama Prefecture”. Name not made available - not accompanied by a description contrary to Article 13.1 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

tortuosa PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 144 (as “Orthoclaadiinae g.? 1.”). Localities: [Tajikistan] **v r. Kondare** [= in the River Kondar]; **v rucheike za Botanicheskim sadom** [= in a stream behind the Botanic Garden]; **v r. Varzob** [= in the River Varzob]; **v r. Lyuchob** [= in the River Lyuchob]; **v r. Kafirnigan . . . u Yangi-bazara** [= in the River Kafirnigan . . . at Yangi-Bazara, now = in the River Kofarnihon . . . at Vahdat]; **v r. Khanakinke v Gissare** [= in the River Khanakinke at Gissare]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

triannulata PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 142 (as “Orthoclaadiinae g.? 1.”). Localities: [Tajikistan] **v r. Varzob** [= in the River Varzob]; **v r. Khanakinke v Gissare** [= in the River Khanakinke at Gissare]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

undulata PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 139 (as “Orthoclaadiinae g.? 1.”). Locality: [Tajikistan] **v r. Varzob** [= in the River Varzob]; **r. Kafirnigan bliz vpadeniya v r. Varzob** [= River Kafirnigan near where it flows into the River Varzob; now River Kafirnigan = River Kofarnihon]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

ventae PANKRATOVA, 1959: *Rybnoe Khozyaistvo Vnutrennykh Vodoemov Latviiskoi SSR* 3: 192 (as “Orthoclaadiinae gen. ? 1.”). Type-locality: [Latvia] **v reke Vente u goroda Skrundy** [= in the River Venta at the town of Skrunda]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN 1999, 4th Edition).

Nomen nudum. [Note]

ventrisetosa PANKRATOVA, 1950: *Trudy Zoologicheskogo Instituta, Leningrad* 9(1): 143 (as “Orthoclaadiinae g.? 1.”). Locality: [Tajikistan] **v rodnike vyshe kurorta Khodzha-obi-garm** [= in springs above Khodzha-Obi-Garm Spa]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition).

Nomen nudum.

walentinae PANKRATOVA, 1959: *Trudy Zoologicheskogo Instituta, Leningrad* 26: 368 (as “Orthoclaadiinae g.? 1.”). Localities: [Russia, Southern European Territory] [Title, p. 365] **Krasnodarskogo kraja** [= Krasnodar Krai]; [p. 370] **r. Chepsi**; **v r. Psekups u st. Fanagoriiskom** [= in the River Psekups by the Fanagoriisk stream]. Name not made available - not published in combination with an available genus name contrary to Article 11.9.3 of the Zoological Code (ICZN, 1999, 4th Edition). **Nomen nudum.**

NOTES

abdominoflavatus PICADO, 1913, **METRIOCNEMUS (METRIOCNEMUS)**: The species *M. (M.) abdominoflavatus* was originally described from Costa Rica and reared from larvae found in phytotelmata of several plant genera including the epiphyte *Tillandsia* and the bromeliads *Billbergia* and *Catopsis*. However, the description is inadequate to distinguish it from other species of the genus known in the Americas. In the Nearctic Catalog (Oliver *et al.* 1990: 30) the species was listed from Florida, Kentucky, Mississippi and North Carolina. Epler (2001: Chapter 7, p. 89) states that it is very doubtful that this poorly described Costa Rican

species occurs in the United States and the records may refer to *M. (M.) fuscipes* (Meigen). The doubtful Nearctic records of *M. (M.) abdominoflavatus* are therefore excluded from the distribution data of this species.

- abiskoensis* EDWARDS, 1937, synonym of **ORTHOCLADIUS (EUORTHOCLADIUS) abiskoensis** THIENEMANN & KRÜGER, 1937: The description of *abiskoensis* Edwards begins on page 144 and not on page 140 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 204).
- acuticauda* CHERNOVSKII, 1949, **Unavailable names in ORTHOCLADIINAE**: The provisional name “Orthoclaadiinae gen.? l. *acuticauda*” was used by Chernovskii (1949: 22, 45, 94-95) and Pankratova (1970: 320-321) for a larval morphotype in coll. Chernovskii. The Russian locality data for this morphotype (from the Mologa River) is not specified in Chernovskii (1949) but the information has been supplied by Dr Andrey Przhiboro (pers. comm. to P. Ashe). Such larvae, as well as associated pupae, had been described earlier by Pagast (1936: 275-278) as “Orthoclaadiine aus Flußsand”. It has remained unknown to which genus the species belongs, and no scientific name for it has been made available. The name *acuticauda* is missing from the Palaeartic Catalogue (Ashe & Cranston 1990).
- acuticornis** (KIEFFER, 1912), **THIENEMANNIELLA**: The name “*Corynoneura acuticornis*” is included twice in the Palaeartic Catalogue (Ashe & Cranston 1990) firstly and wrongly on page 168 as a questionable synonym of *Corynoneura carriana* Edwards and secondly and correctly on page 234 as a valid species of *Thienemanniella*.
- acuticornis** (KIEFFER, 1914), **CHAETOCLADIUS (CHAETOCLADIUS)**: The name *C. (C.) acuticornis* was first proposed by Kieffer in a preprinted separate of Potthast (1914) which was published in the year prior to the journal version in 1915 – see note on Pottast (1914) in the Bibliography.
- acutilobata* GOETGHEBUER, 1933, **Nomina dubia probably in SMITTIA**: The correct year of publication of the paper which includes the description of *acutilobata* is

1933 and not 1932 – see Bibliography under the relevant Goetghebuer (1933) paper.

acutus CHAUDHURI & NANDI, 1981, **ALLOTRISSOCLADIUS**: The correct year of publication of the description of *A. acutus* is 1981 and not 1979 or 1980 – see note in Bibliography under Chaudhuri & Nandi (1981).

acutus GOETGHEBUER, 1933, **Nomina dubia in LIMNOPHYES**: The correct year of publication of the paper which includes the description of *acutus* is 1933 and not 1932 – see Bibliography under the relevant Goetghebuer (1933) paper.

adriaticus SCHINER, 1857, **Nomina dubia in CLUNIO**: The original description of *C. adriaticus* Schiner is inadequate and it is therefore treated as a nomen dubium in *Clunio*. The species description begins on page 216 but it is only named on page 217 and the latter is considered as the correct page to cite. The paper which includes the description of *C. adriaticus* was published in 1857 and not 1856 – see note under Schiner (1857) in the Bibliography.

aduncus (KIEFFER, 1922), synonym of **LIMNOPHYES pentaplastus** (KIEFFER, 1921): *Camptocladius aduncus* was first proposed in a key to European *Camptocladius* species by Kieffer (1922).

adzharicus KOWNACKI & ZOSIDZE, 1973, synonym of **PARAMETRIOCNEMUS stylatus** (SPÄRCK, 1923): The name *P. adzharicus*, originally described as a subspecies of *P. stylatus*, is missing from the Palearctic Catalogue (Ashe & Cranston 1990).

aegyptius KIEFFER, 1925, **Nomina dubia in CLUNIO**: The name *Clunio aegyptius* is missing from the Palearctic Catalogue (Ashe & Cranston 1990). The status of *C. aegyptius* Kieffer (1925), originally described as a variety of *C. marinus* Haliday, from Egypt (Suez, upper Red Sea), is unresolved and needs investigation – the description is inadequate and it is treated as a nomen dubium in *Clunio*.

afra (LEHMANN, 1981), **CORYNONEURELLA**: The species *C. afra* is tentatively transferred to the genus *Corynoneurella* from *Thienemanniella* in Fu, Hestenes

& Sæther (2010: 2) because the characters of the pupa are consistent with *Corynoneurella*.

AKIEFFERIELLA THIENEMANN, 1936: The first use of the name *Akiefferiella* (in Thienemann, 1936: *Stettiner Entomologische Zeitung* **97**(1): 43) is a nomen nudum and predates the valid *Akiefferiella* description (in Thienemann, 1936: *Archiv für Hydrobiologie* **30**(2): 198) by a few months.

albertae KEVAN & CUTTEN-ALI-KHAN, 1975, **OREADOMYIA**: In the quoted type-locality for the species all the information within square brackets is part of the originally published data as given in Kevan & Cutten-Ali-Khan (1975: 856). The genus and species was redescribed by Oliver (1981: *Quaestiones Entomologicae* **17**: 121-128).

albicornis (GOETGHEBUER, 1919), synonym of **NANOCLADIUS** (**NANOCLADIUS**) **dichromus** (KIEFFER, 1906): The name *Cricotopus albicornis* was first proposed based on the immature stages in Goetghebuer (1919) before the adult was described in Goetghebuer (1921) – see Spies & Sæther (2004: 10-11).

albilobus KIEFFER, 1924, **Nomina dubia probably in ORTHOCLADIUS** (**EUDACTYLOCLADIUS**): The name *albilobus* is included twice in the Palaearctic Catalogue (Ashe & Cranston 1990) firstly and correctly on page 203 as a nomen dubium probably in *Orthocladius* (*Eudactylocladius*) and secondly and wrongly on page 239 as a nomen dubium in Orthocladiinae.

albipennis (GOETGHEBUER, 1921), **PSEUDOSMITTIA**: The description, in a key, begins on page 85 but the species name *albipennis* is first mentioned on page 86. Page 86 is therefore considered to be the correct page to cite.

albusalatus CHAUDHURI & SINHARAY, 1989, synonym of **PARAPHAENOCLADIUS** **impensus** subsp. **croceus** CHAUDHURI & BHATTACHARYAY, 1989: The paper in which *P. albusalatus* was described was published in 1989 and not 1987 – see note under Chaudhuri & Sinharay (1989) in the Bibliography. See note on *P. impensus* subsp. *croceus* Chaudhuri & Bhattacharyay.

algarum KIEFFER, 1918, **Nomina dubia in ORTHOCLADIINAE**: The name

Trichocladius algarum Kieffer is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

algerinus MARCUZZI, 1950, **LIMNOPHYES**: Originally described as *Limnophyes algerina* but since *Limnophyes* is masculine the ending of the species name must be corrected to *algerinus* (Martin Spies pers. comm. to P. Ashe).

algicola (KIEFFER, 1923), questionable synonym of **CRICOTOPUS (ISOCLADIUS) intersectus** (STAEGER, 1839): The correct original spelling of the name is *algicola* and not *algiicola* as given in the Palaearctic Catalogue - Ashe & Cranston (1990: 177).

alpestris (GOETGHEBUER, 1934), **Nomina dubia in TVETENIA**: The name *Eukiefferiella alpestris* is missing from the Palaearctic Catalogue (Ashe & Cranston 1990). It may be a senior synonym of an existing *Tvetenia* species but a detailed and thorough investigation is required, including examination of type and potential type material, before its status can be resolved (Martin Spies pers. comm. to P. Ashe). The necessary revision also needs to clarify whether or not the immature stages, described under the names *alpestris* and *bavarica* respectively by Thienemann and others, were misassociated, as appears to be the case today.

alpina (KIEFFER, 1927), **Nomina dubia probably in SMITTIA**: Originally described as *Phaenocladius alpinus* and not in the genus *Smittia* as incorrectly given in the Palaearctic Catalogue (Ashe & Cranston 1990: 230). In the last paragraph of the paper by Hubault (1927: 164) it states that he cannot absolutely confirm that the imago [of *Phaenocladius alpinus* described by Kieffer] relates to the larvae and nymphs previously described [by Hubault in the same paper]. This doubt is confirmed because the larvae and pupae belong to a species of the subfamily Diamesinae whereas the male imago is an orthoclad and a nomen dubium probably in *Smittia*.

altyncolicola LIPINA, 1949, **Unavailable names in ORTHOCLADIINAE**: The name *altyncolicola* is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

- ancudensis** (EDWARDS, 1931), **GYMNOMETRIOCNEMUS**
(**GYMNOMETRIOCNEMUS**): See note on *Gymnometriocnemus*
(*Gymnometriocnemus*) *longicostalis* (Edwards, 1931).
- ANDAMANUS** MAHESHWARI & MAHESHWARI, 2002: The genus *Andamanus* and its type-species *A. manii* were originally described as adult females only and assigned to the subfamily Orthoclaadiinae (Maheshwari & Maheshwari 2002). However, the presence of a comb and the high leg ratio confirms that they belong in the subfamily Chironominae and key directly to the genus *Paralauterborniella* Lenz, 1941 (Prof. O. A. Sæther pers. comm. to P. Ashe). *Andamanus* Maheshwari & Maheshwari, 2002, is therefore a junior synonym of *Paralauterborniella* Lenz, 1941, **syn. nov.** and *Andamus manii* Maheshwari & Maheshwari, 2002, becomes *Paralauterborniella manii* (Maheshwari & Maheshwari, 2002), **comb. nov.** - this apparently represents the first confirmed record of *Paralauterborniella* from the Oriental Region. All the relevant information will be included in Part 3 of the World Catalogue.
- anderseni** SÆTHER & WANG, 1993, **TOKYOBRILLIA**: The species *T. anderseni* was described in 1993 and not in 1992 – see note in the Bibliography under Sæther & Wang (1993).
- angustipennis* STROBL, 1895, **Nomina dubia in ORTHOCLADIINAE**: The name *Metriocnemus angustipennis* Strobl is missing from the Palaeartic Catalogue (Ashe & Cranston 1990).
- angustistilus** FREEMAN, 1953, **EUKIEFFERIELLA**: Originally described as *Eukiefferiella angustistilus* the ending of the name is correct and should not be changed to *angustistila*.
- angustus* GOETGHEBUER, 1927, synonym of **CRICOTOPUS (CRICOTOPUS)**
festivellus (KIEFFER, 1906): The name *Cricotopus angustus* was first described in a key by Goetghebuer (1927) who wrongly attributed the name to Verrall who had used the name in an unpublished manuscript. This name is missing from the Palaeartic Catalogue (Ashe & Cranston 1990).

- annulator** GOETGHEBUER, 1927, **CRICOTOPUS (CRICOTOPUS)**: The description of *C. (C.) annulator* is on page 54 and not page 52 (the species key) as given in Ashe & Cranston (1990: 171).
- anomalus** (KIEFFER, 1913), **CRICOTOPUS (ISOCLADIUS)**: The species *anomalus* was included in the subgenus *Isocladius* of the genus *Cricotopus* in Bhattacharyay, Ali & Chaudhuri (1991).
- anteilis** (ROBACK, 1957), **ORTHOCLADIUS (EUORTHOCLADIUS)**. The species *anteilis* is based on two adult female specimens (Roback, 1957) and in a subsequent paper Roback (1959) described and figured a male specimen from Montana. However, it is not yet possible to identify to species females of the subgenus *Euorthocladius* (Soptonis 1990: 17). The species *anteilis* is treated here as a valid in *Orthocladius (Euorthocladius)* based on male specimens from Montana and Idaho (Roback 1959, Soptonis 1990) but whether or not these represent the same species described as females from Utah by Roback (1957) can only be resolved by rearing males and females (with associated pupal exuviae) from the type-locality in Utah.
- aprilinus* GOETGHEBUER, 1932, **Nomina dubia in ORTHOCLADIINAE**: The correct year of publication of the paper which includes the description of *aprilinus* is 1932 and not 1931 – see Bibliography under Goetghebuer (1932).
- aquatilis* (GOETGHEBUER, 1921), questionable synonym of **SMITTIA contingens** (WALKER, 1856): The name *aquatilis* was originally described in the genus *Camptocladius* and not in *Smittia* as incorrectly given in the Palearctic Catalogue (Ashe & Cranston 1990: 228).
- aquilonaris* GOETGHEBUER, 1940, synonym of **ORTHOCLADIUS (ORTHOCLADIUS) nitidoscutellatus** LUNDSTRÖM, 1915: The name *aquilonaris* is included twice in the Palearctic Catalogue (Ashe & Cranston 1990) firstly and correctly on page 207 as a synonym of *Orthocladius (Orthocladius) nitidoscutellatus* and secondly and wrongly on page 239 as a nomen dubium in Orthoclaadiinae.
- arcuatus* KIEFFER, 1921, **Nomina dubia in ORTHOCLADIINAE**: The original

description of *Metriocnemus arcuatus* is on page 84 and not on page 81 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 240).

arenarius (REMMERT, 1955), synonym of **ALLOCLADIUS arenarius** (STRENZKE, 1960): Remmert (1955) mentioned *Pseudosmittia arenaria* five years before Strenzke (1960) described the species. Any potentially diagnostic character states for *arenaria* that Remmert (1955) may have presented were “not accompanied by a description or definition that states in words characters that are purported to differentiate the taxon” (ICZN 1999, Art. 13.1.1) and his use of the name is a nomen nudum.

articularis SANTOS-ABREU, 1918, **Nomina dubia in ORTHOCLADIINAE**: The correct original spelling of the name is *articularis* and not *articulatus* as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 240).

asiaticus SINYAGINA, 1958, **Nomina dubia in CRICOTOPUS**: The name *Cricotopus asiaticus* is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

atomaria (ZETTERSTEDT, 1850), **Nomina dubia in CORYNONEURA**: For the name *atomaria* the Palaearctic Catalogue (Ashe & Cranston 1990: 170) incorrectly gives the original genus as *Corynoneura* and the volume as volume 1 which are corrected to *Chironomus* and volume 9 respectively.

atratus KIEFFER, 1925, **Nomina dubia in ORTHOCLADIINAE**: The correct original spelling of the name is *atratus* and not *atractus* as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 240).

atritta PANKRATOVA, 1950, **Unavailable names in ORTHOCLADIINAE**: The name *atritta* is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

aurantiacus (KIEFFER, 1922), **Nomina dubia probably in ORTHOCLADIUS (ORTHOCLADIUS)**: According to Cranston (1999: 292), based on a re-examination of the male holotype, it is probably an undetermined species of *Orthocladius* (*Orthocladius*).

auripilus GOETGHEBUER, 1921, synonym of **METRIOCNEMUS fuscipes** (MEIGEN, 1818): The description begins on page 78 but the name *auripilus* is first

mentioned on page 79. Page 79 is therefore considered to be the correct page to cite.

AUSTROBRILLIA FREEMAN, 1961: Freeman (1961: 640) designated *Austrobrillia nudipennis* as the “Type and only known species” but the only species described is named *A. longipes*. The use of *A. nudipennis* is clearly a lapsus for *A. longipes*.

bacilliger KIEFFER, 1924, **Nomina dubia in ORTHOCLADIINAE**: See note on *Corynoneura marina* Kieffer, 1924.

balearicus BEZZI, 1913, **Nomina dubia in CLUNIO**: It is not possible to resolve the status of *C. balearicus* Bezzi from the original description and it is therefore treated as a nomen dubium.

balteatus (PHILIPPI, 1866), **Nomina dubia in CRICOTOPUS**: The year of publication of *C. balteatus* (Philippi) is changed from 1865 to 1866 – see note under Philippi (1866) in the Bibliography.

balticus HEIMBACH, 1978, **CLUNIO**: The species was described based on adult phenology alone but whether or not there are any morphological differences between the different stages and related species needs investigation.

barbatitarsis KIEFFER, 1916, **Nomina dubia in PSECTROCLADIUS**: The correct year of description of *barbatitarsis* is 1916 and not 1915 as given in the Palearctic Catalogue (Ashe & Cranston 1990: 219).

barbicornis LINNAEUS, 1767, **Nomina dubia in CHIRONOMIDAE**: According to Martin Spies (pers. comm. to P. Ashe) the type is lost and the use of this name in Chironomidae, usually in *Chironomus* or *Orthocladius*, as attributed either to Linnaeus or to Fabricius, are all misidentifications. In her revision of the Nearctic *Orthocladius* (*Orthocladius*) Soptonis (1977) did not recognise or even mention this species. Its treatment in the Nearctic Catalog (Oliver, Dillon & Cranston, 1990: 32) as a valid species in *Orthocladius* (*Orthocladius*) from the U.S.A. (Minnesota, South Dakota and Washington) is a misidentification and its inclusion was apparently based on it being listed in some older Nearctic

catalogs. The full entry for this species and a more detailed note will be included in Part 3 of the World Catalogue where it will be treated as a nomen dubium in Chironomidae.

barilochensis (EDWARDS, 1931), **AUSTROCLADIUS**: This species was previously treated as a valid but generically unplaced orthoclad but was included in *Austrocladius* in an unpublished list of type material in The Natural History Museum (London) (Spies & Reiss 1996: 91). However, the original description of *Spaniotoma (Orthocladus) barilochensis* is quite brief but states that it is a “Black species resembling *S. obliqua* rather closely, but differing as indicated below”. Therefore most of the descriptive features given for *S. obliqua* apply to both species except for the specific differences given for *S. (O.) barilochensis* but these differences fit within the range of variation in the generic diagnosis of Freeman (1961: 647-648). The fact that Freeman did not transfer the species to *Austrocladius* was probably an accidental omission. Based on the above data *S. (O.) barilochensis* is transferred to *Austrocladius* and becomes *A. barilochensis* (Edwards, 1931), **comb. nov.**

basalis (MALLOCH, 1915), synonym of **NANOCLADIUS (NANOCLADIUS) distinctus** (MALLOCH, 1915): The name *N. (N.) basalis*, which was originally described as a variety of *Orthocladus (Trichocladus) distinctus* Malloch, is missing from the Nearctic Catalog (Oliver, Dillon & Cranston 1990).

bastini (GOETGHEBUER, 1932), synonym of **PARACRICOTOPUS niger** (KIEFFER, 1921): The correct year of publication of the paper which includes the description of *bastini* is 1932 and not 1931 – see Bibliography under the relevant Goetghebuer (1932) paper.

bathophilus KIEFFER, 1916, **Nomina dubia in ORTHOCLADIINAE**: The correct year of description of *bathophilus* is 1916 and not 1915 and the correct original spelling is *bathophilus* and not *bathophila* as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 240).

baueri (GOETGHEBUER, 1955), synonym of **ACRICOTOPUS lucens** (ZETTERSTEDT,

1850): The name *baueri*, described as a variety of “*lucidus* Staeger”, was originally included in the genus *Trichocladius* and not in the genus *Chironomus* as given in the Nearctic Catalog (Oliver, Dillon & Cranston 1990: 20).

bavarica (GOETGHEBUER, 1934), **TVETENIA**: Nearctic records of *T. bavarica* from North Carolina and South Carolina are considered doubtful and excluded from the distribution data because Epler (2001: Chapter 7, p. 154-155) indicates that all examined larvae are referable to *T. paucunca* (Sæther).

beluina ANDERSEN, 1997, **DIPLOSMITTIA**: The description of *Diplosmittia beluina* was almost certainly published in 1997 and not 1996 – see note in the Bibliography under Andersen (1997).

bequaerti GOETGHEBUER, 1939, synonym of **LIMNOPHYES natalensis** (KIEFFER, 1914): The correct spelling of the name is *bequaerti* and not *bequarti* as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 196).

beringensis (CRANSTON & OLIVER, 1988), **METRIOCNEMUS (METRIOCNEMUS)**: The correct original spelling of the name is *beringensis* and not *beringiensis* as given in Sæther (1995: 59).

bernadetti LEHMANN, 1979, **PSEUDORTHOCLADIUS (PSEUDORTHOCLADIUS)**: The original description of *P. bernadetti* states that it lacks acrotrichials and has small pulvilli which if confirmed indicates that it does not belong in *Pseudorthocladius* or the *Pseudorthocladius* group of genera (Sæther & Andersen 1996: 253).

berthelemyi MOUBAYED, 1990, **PSEUDORTHOCLADIUS (PSEUDORTHOCLADIUS)**: The correct year of publication of the description of *Pseudorthocladius (Pseudorthocladius) berthelemyi* is 1990 and not 1989 – see note in Bibliography under Moubayed (1990).

bicolor KIEFFER, 1901, synonym of **CLUNIO marinus** HALIDAY, 1855: The description of *bicolor* begins on page 72 and not page 73 as given in Ashe & Cranston (1990: 167) and the correct year of publication is 1901 and not 1900.

bicolor MEIGEN, 1838, **Nomina dubia in ORTHOCLADIINAE**: See note on *N. (N.)*

dichromus (Kieffer, 1906).

bicolor SÆTHER, 1968, synonym of **ORTHOCLADIUS (ORTHOCLADIUS) excavatus** BRUNDIN, 1947: The name *O. (O.) bicolor* Sæther is missing from the Palaearctic Catalogue (Ashe & Cranston 1990). Soptonis (1977: 54) treated it as a junior synonym of *O. (O.) excavatus*.

bicolor WALTL, 1837, **Nomina dubia in ORTHOCLADIINAE**: See note on *Nanocladius (Nanocladius) dichromus* (Kieffer, 1906).

bicolor (ZETTERSTEDT, 1837), synonym of **NANOCLADIUS (NANOCLADIUS) dichromus** (KIEFFER, 1906): See note on *Nanocladius (Nanocladius) dichromus* (Kieffer, 1906).

bicolor (ZETTERSTEDT, 1838), synonym of **NANOCLADIUS (NANOCLADIUS) dichromus** (KIEFFER, 1906): See note on *Nanocladius (Nanocladius) dichromus* (Kieffer, 1906).

bidens KIEFFER, 1922, **Nomina dubia in ORTHOCLADIINAE**: The name *C. bidens* is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

bidentatus KIEFFER, 1924, **Nomina dubia in ORTHOCLADIINAE**: The description of *Dactylocladius bidentatus* begins on page 71 and not on page 69 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 240).

bidenticulatus (THIENEMANN, 1950), **Unavailable names in ORTHOCLADIUS (EUDACTYLOCLADIUS)**: The following note was prepared by Martin Spies (pers. comm. to P. Ashe). Cranston (1984: 886) considered the name *Eudactylocladius 'bidenticulatus'* as available, and proposed a male (at the Institut Royale des Sciences Naturelles de Belgique, Brussels) and the associated pupal exuviae and larval skin (both at the Zoologische Staatssammlung, Munich) as lectotype, apparently interpreting a phrase quoted from Thienemann (1950: 132) as “a statement that purports to give characters differentiating the taxon” (ICZN 1961: Article 13(a)(i); the Code provision in effect at the time of Cranston 1984), i.e. “characters purported to differentiate the taxon” (ICZN 1999: Article 13.1.1). However, the German phrase of

Thienemann's (1950) quoted by Cranston (1984) incorporates *E. 'bidenticulatus'* in a group of several species with identical pupal morphotype, rather than differentiating the former from any and all members of that group. Further evidence for this can be found in Thienemann (1944: 573), where the pupa of “*E. bidenticulatus*” was keyed as inseparable among the same group of species (again including “*E. adauctus*” and “*E. bipunctellus*”) referred to in Thienemann (1950). Consequently, *Eudactylocladius 'bidenticulatus'* in Thienemann (1944, 1950) is a nomen nudum, as it is in Thienemann (1954: 399), where no descriptive statement was given either. The lectotype designation in Cranston (1984), therefore, is invalid.

bifurcata KIEFFER, 1921, questionable synonym of **CORYNONEURA celeripes** WINNERTZ, 1852: The name *Corynoneura bifurcata* is included twice in the Palearctic Catalogue (Ashe & Cranston 1990) firstly and correctly on page 168 as a questionable synonym of *Corynoneura celeripes* and secondly and wrongly on page 170 as a nomen dubium in *Corynoneura*.

bilobulatus (GOETGHEBUER, 1942), **CHAETOCLADIUS (CHAETOCLADIUS)**: The correct original spelling of the species name is *bilobulatus* and not *bilobatus* as given in the Palearctic Catalogue (Ashe & Cranston 1990: 164).

binodulus KIEFFER, 1921, **Nomina dubia in ORTHOCLADIINAE**: The correct original spelling is *binodulus* and not *binodulosus* as given in the Palearctic Catalogue (Ashe & Cranston 1990: 241).

biuncus (KIEFFER, 1922), **Nomina dubia in LIMNOPHYES**: *Camptocladius biuncus* was first proposed in a key to European *Camptocladius* species by Kieffer (1922).

bivittata PHILIPPI, 1866, **Nomina dubia in ORTHOCLADIINAE**: The year of publication of *Spaniotoma melas* Philippi is changed from 1865 to 1866 – see note under Philippi (1866) in the Bibliography.

bizonatus FREEMAN, 1956, **CRICOTOPUS (CRICOTOPUS)**: The larval pecten epipharyngis of *C. (C.) bizonatus* consists of three scales of similar size based on the description and drawings in Harrison (1992: 160, Fig. 31). Consequently

the species belongs to the subgenus *Cricotopus*.

borealis (KIEFFER, 1913), **Nomina dubia in CRICOTOPUS (CRICOTOPUS)**: The name *Trichocladus borealis* Kieffer was included twice in the Palaearctic Catalogue (Ashe & Cranston 1990): firstly on page 181 for a subgenerically unplaced valid species of *Cricotopus*, and secondly on page 241 as a nomen dubium in Orthoclaadiinae (with the page number for the original description erroneously cited as "59"). Hirvenoja (1973: 153) speculated that *T. borealis* could be a synonym of either *C. (C.) gelidus* (Kieffer) or *C. (C.) lestralis* (Edwards). In any such synonymy, *T. borealis* would become the valid name. Hrafnisdottir (2005: 10) referred to some earlier speculation about *T. borealis*, but – in the absence of type or other material – found no sound basis for using the name as valid today. We concur and, therefore, treat *T. borealis* as a nomen dubium.

boreoalpina (GOETGHEBUER, 1944), **KRENOSMITTIA**: The Nearctic records from Canada of *Krenosmittia boreoalpina* are regarded as uncertain in Oliver, Dillon & Cranston (1990: 28).

boreoalpinus GOWIN & THIENEMANN, 1942, **PARAMETRIOCNEMUS**: In the Palaearctic Catalogue (Ashe & Cranston 1990: 211) the species was given incorrectly as *boreoalpina* when the correct (and original combination) was *Parametriocnemus boreoalpinus*. The authorship of *boreoalpinus* is credited to Gowin & Thienemann and not to Gowin in Gowin & Thienemann for the reasons given in Spies & Sæther (2004: 11).

brachydicrana (EDWARDS, 1927), **PSEUDOSMITTIA**: The species *P. brachydicrana* is widespread in the Pacific and its occurrence in Jamaica, with no other reported records from the Neotropical Region, may seem inexplicable. In our opinion, its occurrence in Jamaica is almost certainly due to human influence associated with the transport of potted Breadfruit plants from Tahiti to Jamaica in the late 18th Century (1793). The species may occur elsewhere in the Caribbean where Breadfruit is grown.

brachytoma KIEFFER, 1927, **Nomina dubia in PSECTROCLADIUS**: Originally

Psectrocladius brachytoma was described as a variety of *P. sphagnicola* Kieffer, 1925 and not as a variety of *P. sphagnorum* Kieffer, 1927, as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 221). In addition, the synonymy should apply to *sphagnicola* and not to *sphagnorum*.

brachytomus (KIEFFER, 1922), **LIMNOPHYES**: The original description of *brachytomus* is on page 22 and not page 21 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 241) and the species was listed as a nomen dubium in Orthocladiinae. A subsequent re-examination and redescription of the types (Sæther 1990: 49) has shown that it is a valid species of *Limnophyes*.

brasiliensis OLIVEIRA, 1950, **CLUNIO**: The record of *Clunio brasiliensis* from Puerto Rico in Roback (1971) is believed to represent a different species (Spies & Reiss 1996: 91) and its occurrence in Puerto Rico is therefore doubtful.

brevidensi ŞAHIN, 1987, **Nomina dubia in THIENEMANNIELLA**: *Thienemanniella brevidensi* was described in the larval stage only and consequently it is treated as a nomen dubium based on Fu, Sæther & Wang (2010: *Zootaxa* **2431**: 3).

brevinervis KIEFFER, 1916, synonym of **BRILLIA bifida** (KIEFFER, 1909): The description of *brevinervis* begins on page 515 and not on page 516 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 160).

brevipalpis (DORIER, 1926), synonym of **SYMBIOCLADIUS (SYMBIOCLADIUS) rhithrogenae** (ZAVŘEL, 1924): The name *Dactylocladius brevipalpis* is missing from most primary sources on Chironomidae (including the Palaearctic Catalogue); its existence was discovered by Martin Spies. It was published in two papers by Dorier (1926, 1927) with the 1926 paper taking priority. The species name is cited as “*Dactylocladius brevipalpis* Goetghebuer” in both works but the first paper reveals no nomenclaturally relevant contribution by Goetghebuer; hence authorship of the species name is credited to Dorier. The second paper (Dorier 1927) includes a more detailed description. The synonymy with *S. rhithrogenae* is based on the above deductions, Dorier's descriptions of the immature stages, and on the fact that only one species of *Symbiocladius* is

known throughout the Palaearctic region. Goetghebuer in Goetghebuer & Lenz (1950: 205) negated the synonymy – without explanation, presumably on account of differences he perceived in adult male morphology – but that opinion could become relevant only after revision of the features and type status of the single corresponding specimen.

brevipennis (BOHEMAN, 1865), **SMITTIA**: The adult female, which may be a parthenogenetic species, was re-described by Sæther (2004: *Zootaxa* **595**: 22-23) based on material from Russia (East Siberia).

brevis OLIVER, 1981, **EURYHAPSIS**: The description of *Euryhapsis brevis* begins on page 720 and not on page 714 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 186).

brevistilus (KIEFFER, 1921), synonym of *curtistylus* (GOETGHEBUER, 1944), **Nomina dubia in LIMNOPHYES**: The name *Camptocladius brevistilus* Kieffer, 1921 is preoccupied by *Camptocladius brevistylus* Kieffer, 1908, even though there is a one letter difference (i/y) in spelling. This is based on Code Article 58.2 (ICZN, 1999 4th Edition) which states that species-group names established for different nominal taxa that differ in spelling only in use of *ei*, *i* or *y* are deemed to be homonyms when the nominal taxa they denote are included in the same genus or collective group.

britae SÄWEDAL, 1976, **CHAETOCLADIUS (CHAETOCLADIUS)**: The correct original spelling of the species name is *britae* and not *brittae* as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 164).

brundini MAKARCHENKO & MAKARCHENKO, 2008, **Generically Unplaced Valid ORTHOCLADIINAE**: See note on *restricta* Brundin, a valid generically unplaced species of Orthoclaadiinae.

brunettii (KIEFFER, 1913), **CRICOTOPUS (ISOCLADIUS)**: The species *brunettii* was included in the subgenus *Isocladius* of the genus *Cricotopus* in Bhattacharyay, Ali & Chaudhuri (1991).

brunneri ASHE & O'CONNOR, 2000, **METRIOCNEMUS (CRYMALEOMYIA)**: The

following text in square brackets “[Abruzzi Glacier]” is part of the original type-locality data.

brunnipes (GOETGHEBUER, 1921), synonym of **PARACLADIUS conversus** (WALKER, 1856): The description, in a key, begins on page 98 but the name *brunnipes* is first mentioned on page 99. Page 99 is therefore considered to be the correct page to cite.

bryophilus (POTTHAST, 1914), synonym of **CRICOTOPUS (CRICOTOPUS) bicinctus** (MEIGEN, 1818): See note on *Hydrobaenus distylus* (Potthast, 1914).

bubrachiatus EPLER, 1986, **NANOCLADIUS (PLECOPTERACOLUTHUS)**: In the description heading the new species is given as “*Nanocladius bubrachiatus*” but throughout most of the paper it is consistently listed in the subgenus *Plecopteracoluthus* and therefore the original combination is considered to be *Nanocladius (Plecopteracoluthus) bubrachiatus*.

callinotus KIEFFER, 1911, **METRIOCNEMUS (METRIOCNEMUS)**: In the Oriental Catalog (Sublette & Sublette 1973: 400) the species *M. callinotus* was included as a valid but subgenerically unplaced species in the Orthocladiinae. Sinharay & Chaudhuri (1978) include a partial redescription of the species based on an examination of the fragmentary holotype and include it as a valid species in the genus *Metriocnemus*.

calonotum (EDWARDS, 1931), **STICTOCLADIUS**: The ending of the species name given as *calonotus* in the Neotropical Catalog (Spies & Reiss 1996: 78) is incorrect. According to Martin Spies (pers. comm. to P. Ashe) Edwards (1931) proposed several other new names in *Spaniotoma* in adjectival form as indicated by the feminine gender ending that was correct under the circumstances. Therefore, *calonotum* should be interpreted as intentionally formed as a noun in apposition (notum = dorsal parts of thorax) the ending of which remains unchanged.

calvescens (EDWARDS, 1929), **TVETENIA**: Nearctic records of *T. calvescens* from Georgia are considered doubtful and excluded from the distribution data because Epler (2001: Chapter 7, p. 154-155) indicates that all examined larvae

are referable to *T. paucunca* (Sæther).

CAMPTOCLADIUS WULP, 1874: The generic names *Camptocladus*, *Cricotopus*, *Eurycnemus*, *Metriocnemus* and *Orthocladus* were first published by Wulp (1874: *Tijdschrift voor Entomologie* **16**: LXIX-LXXI) which was a preliminary short paper which preceded more detailed descriptions in Wulp (1875: *Tijdschrift voor Entomologie* **17**(5): 113-148). See notes under Wulp (1874, 1875) in the Bibliography.

camptophleps (EDWARDS, 1929), **KRENOSMITTIA**: The Nearctic record of *Krenosmittia camptophleps* from Canada (British Columbia) is regarded as uncertain in Oliver, Dillon & Cranston (1990: 28).

carbonarius KIEFFER, 1923, **CRICOTOPUS** (Subgenerically Unplaced): The correct year of the description of *Cricotopus carbonarius* is 1923 and not 1922 as given in the Oriental Catalog (Sublette & Sublette 1965: 397).

CATALIPTUS BEZZI, 1916, **Nomina dubia in ORTHOCLADIINAE**: Until the status of the genus *Cataliptus* is resolved from the type material it is treated as a nomen dubium. However, the type-species, *C. peyerimhoffi* Bezzi, is regarded as a valid generically unplaced species of Orthocladiinae because the original description is sufficient distinct that the species should be easily identifiable if it is re-discovered.

caudicula SÆTHER & ANDERSEN, 2010, **FERRINGTONIA**: Krosch *et al.* (2011: 466) indicate that *F. caudicula* warrants separate generic status to the type-species of *Ferringtonia* (*F. patagonica* (Edwards)).

cavernae (FREEMAN, 1962), **PARAKIEFFERIELLA**: The species, originally described as *Eusmittia cavernae*, was recently transferred to the genus *Parakiefferiella* by Ferrington & Sæther (2011: 8).

cavicola KIEFFER, 1921, **METRIOCNEMUS (METRIOCNEMUS)**: The correct name for the species found in water-filled cavities in beech trees in Europe is *M. cavicola* and not *M. martinii* which is a nomen nudum as indicated in Spies & Sæther (2004: 24).

cheethami (EDWARDS, 1929), synonym of **PARAKIEFFERIELLA bathophila** (KIEFFER, 1912): The correct original spelling is *cheethami* and not *cheethamii* as given in the Palearctic Catalogue (Ashe & Cranston 1990: 209).

chilensis PAGGI, 1985, **CLUNIO**: The species *Clunio chilensis* is missing from the Neotropical Catalog (Spies & Reiss 1996).

ciliatipes (KIEFFER, 1924), synonym of **HYDROBAENUS pilipes** (MALLOCH, 1915): The description of *ciliatipes* begins on page 63 and is completed on page 64 but since it is only named on page 64 the latter page is therefore considered to be the correct page to cite.

claggi (TOKUNAGA, 1964), questionable synonym of **COMPTEROSMITTIA nerius** (CURRAN, 1930): *Metriocnemus claggi* appears to be identical to *C. nerius* but the condition of the type-material of *claggi* is too poor for confirmation of the synonymy (Mendes, Andersen & Sæther, 2004: 66, 69).

clavatiforceps (KIEFFER, 1922), **Nomina dubia in SMITTIA**: *Camptocladius clavatiforceps* was first proposed in a key to European *Camptocladius* species by Kieffer (1922).

clavatus ANDERSEN & MENDES, 2010, **BRYOPHAENOCLADIUS**: The square brackets, around the longitude and latitude, are part of the original type-locality data for *B. clavatus*.

clavatus (KIEFFER, 1924), questionable synonym of **PARATRICHOCLADIUS skirwithensis** (EDWARDS, 1929): The “Holstein” type-locality given in Kieffer (1924) for *Trichocladius clavatus* is apparently an error. The collecting date and documents (in the Zoologische Staatssammlung, Munich) indicate that the correct type-locality is that given in Thienemann (1926) (Martin Spies pers. comm. to P. Ashe).

claviculata (EDWARDS, 1931), **PARAKIEFFERIELLA**: This species was previously a valid unplaced orthoclad but recently Massafferro *et al.* (2009) confirm that it is a valid species of *Parakiefferiella*.

CLUNIONINAE KIEFFER, 1906: see note on Orthoclaadiinae Kieffer, 1911.

- clypeata** (THIENEMANN, 1919), **EUKIEFFERIELLA**: The text on the name “*Dactylocladius clypeatus*” in Thienemann (1919: 27) includes a reference to “Potthast p. 294”. On the cited page in Potthast (1914) there is a description of the pupa (under a provisional name, not as *clypeatus*). According to Martin Spies (pers. comm. to P. Ashe) this reference to Potthast (1914) in Thienemann (1919) constitutes a nomenclaturally acceptable form of description by “indication” (Code Article 12.2 - ICZN, 1999), and apparently all other formal requirements are satisfied as well. Consequently, the name *Dactylocladius clypeatus* is available from Thienemann (1919). The corresponding material – a rather numerous syntype series – is preserved in the Zoologische Staatssammlung (Munich).
- comprimata* PANKRATOVA, 1950, **Unavailable names in ORTHOCLADIINAE**: The original description of *comprimata* is on page 143 and not on page 145 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 252).
- conjungens** (BRUNDIN, 1947), **PSECTROCLADIUS (ALLOPSECTROCLADIUS)**: The correct original spelling is *conjungens* and not *conjugens* as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 164).
- conjungens* (KIEFFER, 1916), questionable synonym of **CRICOTOPUS (ISOCLADIUS) intersectus** (STAEGER, 1839): The correct original spelling is *conjungens* and not *conjugens* as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 177).
- CONOCLADIUS** KIEFFER, 1910, **Nomina dubia in ORTHOCLADIINAE**: The genus *Conocladius*, with one included species (*C. flavus*), appears to be quite distinctive due to a cone-shaped extension on the top of the head as illustrated in Kieffer (1910, Plate. XI, Fig. 15). However, the genus is inadequately described and characterised and may be a synonym of an existing genus and it is therefore best treated as a nomen dubium. The type-species, *C. flavus*, which should be recognisable from the figures and description, is treated as a generically unplaced valid species of Orthoclaadiinae.

constrictus (KIEFFER, 1922), **Nomina dubia in LIMNOPHYES**: *Camptocladius constrictus* was first proposed in a key to European *Camptocladius* species by Kieffer (1922).

cornis PANKRATOVA, 1972, **Nomina dubia in ORTHOCLADIINAE**: The name *Brillia cornis* is missing from the Palaeartic Catalogue (Ashe & Cranston 1990).

crassipes (MEIGEN in PANZER, 1810), **EURYCNUMUS**: The authorship and date of the species *E. crassipes* is credited to Meigen in Panzer (1810) and not to Panzer (1813) for the reasons given in Spies & Sæther (2004: 22). See also note under Panzer (1810) in the Bibliography.

crassus (KIEFFER, 1915), synonym of **CRICOTOPUS (ISOCLADIUS) sylvestris** (FABRICIUS, 1794): The name *crassus* was included twice in the Palaeartic Catalogue (Ashe & Cranston 1990) firstly and correctly on page 179 as a synonym of *Cricotopus (Isocladius) sylvestris* and secondly and incorrectly on page 204 as a nomen dubium probably in *Eudactylocladius*.

crescens (KIEFFER, 1916), **Nomina dubia in LIMNOPHYES**: The correct year of description of *crescens* is 1916 and not 1915 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 194). It is not a valid species because the female type is apparently lost and it should be treated as a nomen dubium (Sæther 1990: 83).

CRICOTOPUS WULP, 1874: See note under *Camptocladius* Wulp, 1874.

cryptodentatus SYCHEVA, 1955, **Nomina dubia probably in CRICOTOPUS**: The name *Cricotopus cryptodentatus* is missing from the Palaeartic Catalogue (Ashe & Cranston, 1990).

cubita (GARRETT, 1925), **Nomina dubia in THIENEMANNIELLA**: The name *C. cubita* was described based on the adult female only and consequently is treated as a nomen dubium in *Thienemanniella* in Fu, Sæther & Wang (2010: *Zootaxa* **2431**: 3).

cultriger KIEFFER, 1908, **DIPLOCLADIUS**: According to Sæther (1982: 471) *Diplocladius cultriger* is probably a complex of cryptic species and not a single

highly variable species. The Neotropical record is based on the finding of the species in the profundal of Lake Managua, Nicaragua, by Bylmaekers & Sobalvarro (1988: 34, 37).

cuneatus (EDWARDS, 1929), **Nomina dubia in PARAPHAENOCLADIUS:** *Paraphaenocladus cuneatus* (Edwards, 1929) was described based only on the adult female which could belong to a described species in which the female is unknown (Sæther & Wang 1995: 65). Consequently, until associated males are discovered, it is best to treat it as a nomen dubium.

currani SPIES & REISS, 1996, **Subgenerically unplaced valid species of CRICOTOPUS:** In Spies & Reiss (1996: 76) *C. currani* was proposed as a replacement name for *C. insolitus* Curran, 1928 which is preoccupied by the fossil species *C. insolitus* which was credited to “Kieffer” in Meunier, 1904 (Separate). However, in the footnote (see Bibliography) on the first page of Meunier (1904 - Separate) the words “*soumis à*” was mistranslated as “submitted by” Kieffer (indicating that Kieffer is the taxonomic author) rather than as “submitted to” Kieffer (which does not confer taxonomic authorship on Kieffer). Therefore, Meunier (1904 - Separate) is the sole author of *C. insolitus* and all other fossil chironomid species described in that work.

decempilosus SÆTHER, 1966, synonym of **DIPLOCLADIUS cultriger** KIEFFER, 1908: The name *decempilosus* Sæther is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

decorus GOETGHEBUER, 1927, synonym of **CRICOTOPUS (CRICOTOPUS) similis** GOETGHEBUER, 1921: The description of *C. (C.) decorus* is on page 54 and not page 53 (the species key) as given in Ashe & Cranston (1990: 175).

dentatus (KARL, 1937), **BRYOPHAENOCLADIUS:** In the Palaearctic Catalogue (Ashe & Cranston 1990: 166) it was listed as a nomen dubium in *Chaetocladus* but is now a valid species of *Bryophaenocladus* in Fauna Europaea (Sæther & Spies 2011).

dentatus TUISKUNEN, 1986, **DONCRICOTOPUS:** The paper in which *D. dentatus* was

described was published in 1986 and not 1985 – see note under Tuiskunen (1986) in the Bibliography.

dentifer SUBLETTE & WIRTH, 1980, **KUSCHELIUS**: The following text in square brackets “[Cove]” is part of the original type-locality data of *K. dentifer*.

despectus KIEFFER, 1923, **Generically Unplaced Valid ORTHOCLADIINAE**: The correct year of description of *Camptocladius despectus* is 1923 and not 1922 as given in the Oriental Catalog (Sublette & Sublette 1965: 400).

devius KIEFFER in THIENEMANN, 1916, **Nomina dubia in ORTHOCLADIINAE**: The correct year of description of *Camptocladius devius* is 1916 and not 1915 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 242).

dichromus (KIEFFER, 1906), **NANOCLADIUS (NANOCLADIUS)**: The species name *Nanocladius (N.) dichromus* (Kieffer, 1906) is missing from the Palaearctic Catalogue (Ashe & Cranston 1990) but was originally proposed as a replacement name and remains the valid name for *Chironomus bicolor* Zetterstedt as long as no older available name is demonstrated to be synonymous (Martin Spies pers. comm. to P. Ashe). For a resolution to the complex problem involving *N. (N.) dichromus*, *Chironomus bicolor* Waltl, 1837, *C. bicolor* Zetterstedt, 1837, *C. bicolor* Zetterstedt, 1838 and *C. bicolor* Meigen, 1838, we quote the following text from Spies & Sæther (2004: 24):-
“*Nanocladius dichromus* (Kieffer) = *Chironomus bicolor* Zetterstedt, not Waltl. Two identical combinations *Chironomus bicolor* were published in 1838 for different species, one by Meigen, the other by Zetterstedt. Edwards (1929: 351) knew this but could not establish priority and did not propose a solution. In fact, both names were published first in 1837: *C. bicolor* Waltl, 1837 (in *Isis* 1837/4: 279 — this is the same species as in Meigen, 1838: 7) is available, whereas *C. "bicolor"* of Zetterstedt (1837; in *Isis* 1837/1) is older but a nomen nudum (no description or equivalent included). Thus, Waltl's combination has priority, and in fact this has long been recognized and implemented: Kieffer (1906: 17 in his world catalog in Wytsman's "Genera insectorum" volume 42) has published

Chironomus dichromus as a replacement for *C. "bicolor"* of Zetterstedt.”

dilatatus (WULP, 1859), synonym of **ACRICOTOPUS lucens** (ZETTERSTEDT, 1850):

Chironomus dilatatus was described as new by Wulp in three separate papers all published in 1859. The earliest description, published on the 30 July 1859, is Wulp (1859: *Tijdschrift voor Entomologie* 2: 159-185) but this paper is frequently cited in the chironomid literature as 1858 but 1859 is the correct year. The second and third descriptions of *C. dilatatus* were published simultaneously in October 1859 in the same volume (Wulp, 1859: *Bouwstoffen voor eene fauna van Nederland* 3: 1-32) and (Wulp, 1859: *Bouwstoffen voor eene fauna van Nederland* 3: 32-33). In the Palaearctic Catalogue (Ashe & Cranston 1990), *C. dilatatus* was included in two places, firstly (on p. 159, misspelt as *dilatatus*) as a questionable synonym of *Acricotopus lucens* (Zetterstedt, 1850) and secondly (on p. 216) as a questionable synonym of *Psectrocladius (Allopsectrocladius) obvius* (Walker, 1856). In Fauna Europaea (Sæther & Spies 2011), *C. dilatatus* is a synonym of *A. lucens* but this was not corrected in this Catalogue at proof stage where the various “*dilatatus* Wulp” names are incorrectly synonymized with *P. (A.) obvius*. In the addendum on p. 968, this error is corrected.

discoloripes (GOETGHEBUER & THIENEMANN, 1936), **TVETENIA**: The authorship of *discoloripes* is credited to Goetghebuer & Thienemann in Thienemann and not to Goetghebuer in Thienemann for the reasons given in Spies & Sæther (2004: 11).

discretus (JOHANNSEN, 1932), **Nomina dubia in PARAPHAENOCLADIUS**: The type-material of *discretus* (Johannsen, 1932) is not present in the Johannsen collection in Cornell but the original description enables placement in *Paraphaenocladus* where it is a nomen dubium (Sæther & Wang, 1995: 65).

dispar GOETGHEBUER, 1942, **Nomina dubia probably in ORTHOCLADIUS (ORTHOCLADIUS)**: Until the status of *Orthocladus dispar* is resolved we treat it as a nomen dubium in (*Orthocladus (Orthocladus)*) because of the

problems concerning it and related species which are discussed in detail by Spies & Sæther (2004: 24-26).

distinctus CHAUDHURI & BHATTACHARYAY, 1989, synonym of **PARAPHAENOCLADIUS** *impensus* subsp. *croceus* CHAUDHURI & BHATTACHARYAY, 1989: See note on *P. impensus* subsp. *croceus* Chaudhuri & Bhattacharyay.

distylus (POTTHAST, 1914), **HYDROBAENUS**: Eight species names (*Trichocladus lambertoni*, *T. bryophilus*, *T. longistilus*, *T. niveimanus*, *Camptocladus foenisuga*, *Camptocladus hexatomus*, *Orthocladus distylus* and *Orthocladus rivinus*) were described for the first time based on the immature stages in Potthast (1914) that precede the adult descriptions in Kieffer (1915), or Kieffer (1921) or Kieffer (1923) – see Spies & Sæther (2004: 10-11). All the above eight names first published in Potthast (1914) have priority over those used by Kieffer but since Potthast did not use an expression such as “n. sp.” or equivalent the same names in Potthast (1915) do not constitute eight additional separately named taxa. See also the note under Potthast (1914) in the Bibliography.

dixidoides PANKRATOVA, 1950, **Unavailable names in ORTHOCLADIINAE**: The correct original spelling is *dixidoides* and not *dixioides* as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 252).

dobrogicus ALBU, 1964, **CRICOTOPUS (ISOCLADIUS)**: The correct original spelling of the species name is *dobrogicus* and not *dobroginus* as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 177).

doloplastoides LUNDSTRÖM, 1917, **Nomina dubia in ORTHOCLADIINAE**: The correct year of publication of the description of *Orthocladus doloplastoides* by Lundström is 1917 and not 1916 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 242) - see note under Poppius, Lundström & Frey (1917) in the Bibliography.

dorsalis KIEFFER, 1909, **Nomina dubia in PSECTROCLADIUS**: In the Palaeartic

Catalogue (Ashe & Cranston 1990: 220) for *dorsalis* under the type-locality is says “not given (Germany)” but this is incorrect as the village of Haltern is specified.

dupla (TOKUNAGA, 1964), **PSEUDOSMITTIA**: The record of *P. dupla* from the Oriental Region (Sagar Islands, West Bengal, India) in Mazumdar *et al.* (1997) is disregarded because the male hypopygium figured in the latter is quite different to that figured in Tokunaga (1964).

duplicata CASPERS, 1990, **PSEUDOSMITTIA**: The use of the name Changshu (a city in Jiangsu Province in Oriental China) in the type-locality data for *P. duplicata* is an error. The correct city name is Changchun which is in Jilin Province where the type material was collected.

dzintari PANKRATOVA, 1959, **Nomina dubia in EUKIEFFERIELLA**: The name *E. dzintari* is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

edwardsi BRUNDIN, 1949, synonym of **PSECTROCLADIUS (PSECTROCLADIUS) limbatellus** (HOLMGREN, 1869): The description of *edwardsi* begins on page 816 and not on page 815 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 218).

elegans MAKARCHENKO & MAKARCHENKO, 2002, **CHAETOCLADIUS (CHAETOCLADIUS)**: The paper in which *C. (C.) elegans* is described was published in 2002 and not 2001 – see note under Makarchenko & Makarchenko (2002) in the Bibliography.

ellipsoidalis (KIEFFER, 1923), questionable synonym of **CHAETOCLADIUS (CHAETOCLADIUS) perennis** (MEIGEN, 1830): See note on *Pachycladius* Kieffer, 1923.

eltoni (EDWARDS, 1922), **LIMNOPHYES**: The correct year of the description of *Camptocladius eltoni* is 1922 and not 1921 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 194).

ephemerae (KIEFFER, 1924), **EPOICOCLADIUS**: *Epoicocladius. ephemerae* and *E. flavens* (Malloch, 1915) are now regarded as separate valid species and not

synonyms of one another.

EPOICOCLADIUS ŠULC & ZAVŘEL, 1924: The correct page on which *Epoicocladius* is named is page 368 and not page 356 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 182).

equalis SINHARAY & CHAUDHURI, 1985, **NASUTICLADIUS**: The description of *N. equalis* was published in 1985 and not 1984 – see note under Sinharay & Chaudhuri (1985) in the Bibliography.

ERETMOPTERINAE KELLOGG, 1900: see note on Orthoclaadiinae Kieffer, 1911.

EUCLUNIO GOETGHEBUER, 1950: When Goetghebuer created the subgeneric name *Euclunio* he included four *Clunio* species from the Pacific but because he did not designate a type-species it is a nomen nudum. See Ashe (1983: 23) for additional details.

EUKIEFFERIELLA THIENEMANN, 1926: Thienemann's (1926) original designation of *Dactylocladius longicalcar* Kieffer, 1911, as the type-species of *Eukiefferiella*, was based on a misidentification. For more details and a resolution to the problem see Spies & Sæther (2004: 21).

EUPHAENOCLADIUS THIENEMANN, 1934: See note on *Phaenocladus* Kieffer.

europaeus TUISKUNEN, 1986, **PSILOMETRIOCNEMUS**: The paper in which *P. europaeus* was described was published in 1986 and not 1985 – see note under Tuiskunen (1986) in the Bibliography.

EURYCNEMUS WULP, 1874: All published records up to the present time of *Eurycnemus* from outside the Palaearctic are completely erroneous. See also note under *Camptocladus* Wulp, 1874.

excavatus BRUNDIN, 1947, **ORTHOCLADIUS** (**ORTHOCLADIUS**): Two competing taxonomic interpretations relevant to this name presently exist – see Spies & Sæther (2004: 24) for more details.

exilis (SANTOS-ABREU, 1918), synonym of **HALOCLADIUS** (**HALOCLADIUS**) **millenarius** (SANTOS-ABREU, 1918): The name *exilis*, originally described as one of five varieties of *millenarius*, is missing from the Palaearctic Catalogue

(Ashe & Cranston 1990).

extrema ALBU, 1972, **HELENIELLA**: The description of the species *H. extrema* in Albu (1972) begins on page 15 and not on page 16 as given in Ashe & Cranston (1990: 228).

faeroensis KIEFFER, 1915, **Nomina dubia in ORTHOCLADIINAE**: The correct original spelling is *faeroensis* and not *faroensis* as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 242).

fasciata KIEFFER, 1925, **Nomina dubia in CORYNONEURA**: The name *Corynoneura fasciata* is missing from the Palaeartic Catalogue (Ashe & Cranston 1990).

femoratus (STAEGER, 1839), **Nomina dubia in NANOCLADIUS (NANOCLADIUS)**: *Chironomus femoratus* was included twice in the Palaeartic Catalogue (Ashe & Cranston 1990) firstly on page 201 as a junior synonym of *Nanocladius* (*N.*) *bicolor* Zetterstedt, 1838, and secondly and wrongly on page 353 as a nomen dubium in Chironominae. The description of *Chironomus femoratus* was based on the adult female only and it is therefore now treated as a nomen dubium in *Nanocladius* (*Nanocladius*) until its true status is resolved.

filipes (SANTOS-ABREU, 1918), **BRYOPHAENOCLADIUS**: In the lectotype locality data for *B. filipes* in Cranston & Armitage (1988: 344) the word “Estio” is not relevant as it is part of the expression “en los meses de Estío” which means “in the Summer months”.

fischeri (KIEFFER, 1922), synonym of **LIMNOPHYES pentaplastus** (KIEFFER, 1921): *Camptocladius fischeri* was first proposed in a key to European *Camptocladius* species by Kieffer (1922).

fissicornis KIEFFER, 1906, **Nomina dubia in ORTHOCLADIINAE**: *Trichocladius fissicornis* is the only named species included in the subgenus *Trichocladius* in Kieffer (1906: *Genera Insectorum* 42: 27) and therefore the key characters used to define the subgenus also applies to and constitutes a valid description of *T. fissicornis*.

fissicornis KIEFFER, 1906, **Nomina dubia in ORTHOCLADIINAE**: In Kieffer (1906:

Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires) 30: 355) the species is described on page 355 as *Orthocladius fissicornis* but on page 356 it is designated as the type-species of a new subgenus, *Trichocladius*, of the genus *Orthocladius*. The original combination of the species is therefore considered to be *Orthocladius (Trichocladius) fissicornis*.

flava (KIEFFER, 1923), **Nomina dubia in THIENEMANNIELLA**: *Kribiocladius flava* was regarded as a doubtfully valid species of *Thienemanniella* in Freeman & Cranston (1980: 186). It was described based on an adult female only and the type is apparently lost (Fu *et al.* 2010: 1) and therefore it is regarded as a nomen dubium in *Thienemanniella*.

flavellus (TOKUNAGA, 1964), **PARAMETRIOCNEMUS**: The description of *flavellus* begins on page 204 and not on page 202 as given in Cranston & Martin (1989: 262).

flavens (MALLOCH, 1915), **EPOICOCCLADIUS**: See note on *E. ephemerae* (Kieffer, 1924).

flaviforceps (KIEFFER, 1911), synonym of **SYNORTHOCLADIUS semivirens** (KIEFFER, 1909): Several localities are mentioned in Thienemann (1912: 79, sub *breviradius* var. *flaviforceps*) and at least one of these almost certainly represents the actual type-locality of the specimens described by Kieffer (1911).

flavifrons (JOHANNSEN, 1905), **BRILLIA**: For several years the species *Brillia flavifrons* (Johannsen, 1905) was believed to be a senior synonym of *B. longifurca* Kieffer, 1921, but both are now regarded as distinct species. *Brillia flavifrons* is known to occur in the Nearctic and the Eastern Palaearctic (Japan and Russia (Far East, West Siberia)) but all published records from the Western Palaearctic (Europe, Near East and North Africa) are highly doubtful and probably misidentified specimens of *B. longifurca*.

flavipunctatus TOKUNAGA, 1936, **CRICOTOPUS (CRICOTOPUS)**: The species description of *C. (C.) flavipunctatus* begins on page 31 and not on page 20 as given in the Palaearctic Catalogue (Ashe & Cranston, 1990: 181).

flaviventris (SANTOS-ABREU, 1918), synonym of **HALOCLADIUS (HALOCLADIUS)**

millenarius (SANTOS-ABREU, 1918): The name *flaviventris*, originally described as one of five varieties of *millenarius*, is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

flavofasciatus KIEFFER, 1911, **Nomina dubia in PSECTROCLADIUS**: *Psectrocladius flavofasciatus* is described on page 185 and not page 184 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 220).

flavus KIEFFER, 1910, **Generically Unplaced Valid ORTHOCLADIINAE**: See note on *Conocladius* Kieffer.

flexidens (BRUNDIN, 1947), **BRYOPHAENOCLADIUS**: The correct page of the species description of *flexidens* is 24 and not 25 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 161).

fluviatilis (GOETGHEBUER, 1937), synonym of **PARATRISSOCLADIUS excerptus** subsp. **excerptus** (WALKER, 1856): The name *fluviatilis* was originally described in the genus *Trissocladius* and not in *Paratrissocladius* as given in Ashe & Cranston (1990: 214).

foenisuga (POTTHAST, 1914), synonym of **LIMNOPHYES minimus** (MEIGEN, 1818): See note on *Hydrobaenus distylus* (Potthast, 1914).

foliaceus (KIEFFER, 1921: 797), synonym of **CAMPTOCLADIUS stercorarius** (DE GEER, 1776): The name "*Psectrocladius foliaceus*" was included twice in the Palaearctic Catalogue (Ashe & Cranston 1990): firstly and correctly on page 163 as a synonym of *Camptocladius stercorarius* (De Geer), and secondly and wrongly on page 229 as a valid species name in *Smittia*.

foliaceus KIEFFER, 1921: 789, **Nomina dubia in ORTHOCLADIINAE**: The name *Camptocladius foliaceus* Kieffer, 1921: 789, is missing from the Palaearctic Catalogue (Ashe & Cranston 1990). The original description of an adult female does not suffice to recognize the genus or species at this time, and the type-material is apparently lost (Martin Spies pers. comm to P. Ashe). Therefore, the name is treated as a nomen dubium in Orthocladiinae.

foliata (KIEFFER, 1906), **Nomina dubia probably in SMITTIA**: The name *Camptocladius*

foliatus was listed in the Palearctic Catalogue (Ashe & Cranston 1990: 227) as a questionable synonym of *Smittia aterrima* (Meigen, 1818). However, the original description of an adult female suggests a member of the *Smittia pratorum* group sensu Moller Pillot (2008). With the type-material lost the species cannot be determined at this time (Martin Spies pers. comm. to P. Ashe). Therefore, the name is treated as a nomen dubium in *Smittia*.

foliosa (KIEFFER, 1921), **SMITTIA**: In the Palearctic Catalogue (Ashe & Cranston 1990: 229) the name *Psectrocladius foliaceus* Kieffer, 1921 was treated as the basis for a valid species name in *Smittia* (i.e., *S. foliacea*). However, this was incorrect, because *Psectrocladius foliaceus* was also included elsewhere (page 163) as a junior synonym of *Camptocladius stercorarius* (De Geer). The valid species name for the species incorrectly listed as “*S. foliacea*” is *Smittia foliosa* (Kieffer in Thienemann, 1921), which was listed in Ashe & Cranston (1990: 229) as a junior synonym of the former. The distribution data previously listed for “*S. foliacea*” now applies to *S. foliosa*.

fontinalis (CHERNOVSKII, 1949), questionable synonym of **ZALUTSCHIA tornetraeskensis** (EDWARDS, 1941): The description of *fontinalis*, in a key, begins on page 148 but the taxon is only formally named on page 149 and the latter is therefore considered to be the correct page to cite.

fontium KIEFFER, 1924, synonym of **ORTHOCLADIUS (EUDACTYLOCLADIUS) fuscimanus** KIEFFER, 1908: The name “*Dactylocladius fontium*” is included twice in the Palearctic Catalogue (Ashe & Cranston 1990) firstly and correctly on page 203 as a synonym of *Orthocladius (Eudactylocladius) fuscimanus* and secondly and wrongly on page 243 as a nomen dubium in Orthoclaadiinae.

forficata ANDERSEN, 1997, **DIPLOSMITTIA**: The description of *Diplosmittia forficata* was almost certainly published in 1997 and not 1996 – see note in the Bibliography under Andersen (1997).

formosae KIEFFER, 1923, **PSECTROCLADIUS (PSECTROCLADIUS)**:: The correct year of the description of *Psectrocladius formosae* is 1923 and not 1922 as

given in the Oriental Catalog (Sublette & Sublette 1965: 399).

formosanus KIEFFER, 1923, **Generically Unplaced Valid ORTHOCLADIINAE**: The correct year of the description of *Camptocladius formosanus* is 1923 and not 1922 as given in the Oriental Catalog (Sublette & Sublette 1965: 401).

frigidus (ZETTERSTEDT, 1838), **ORTHOCLADIUS (MESORTHOCLADIUS)**: The correct page on which the species *frigidus* is described is page 812 and not 811 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 205).

fujidecimus (SASA, 1985), **BRYOPHAENOCLADIUS**: The species *fujidecimus* does not belong in *Limnophyes* but possibly in *Bryophaenocladus* or to an unnamed genus according to Sæther (1990: 130).

fulvonotatus KIEFFER, 1922, **Nomina dubia in ORTHOCLADIINAE**: *Camptocladius fulvonotatus* was first proposed in a key to European *Camptocladius* species by Kieffer (1922).

fulvus KIEFFER, 1922, **Nomina dubia in ORTHOCLADIINAE**: The name *Camptocladius fulvus* is missing from the Palaeartic Catalogue (Ashe & Cranston 1990).

funebri (GOETGHEBUER, 1919), synonym of **ACRICOTOPUS lucens** (ZETTERSTEDT, 1850): The name *Trichocladus funebri* was first proposed based on the immature stages in Goetghebuer (1919) before the adult was described in Goetghebuer (1921) – see Spies & Sæther (2004: 10-11).

furcatus (KIEFFER, 1916), **BRYOPHAENOCLADIUS**: In order to maintain nomenclatural stability for this horticultural pest the widely used name *B. furcatus* has been given precedence by selecting the lectotype of *B. virgo* as the neotype of *B. furcatus* (Cranston 1987: 662, 664).

furtivus (SANTOS-ABREU, 1918), synonym of **HALOCLADIUS (HALOCLADIUS) millenarius** (SANTOS-ABREU, 1918): The name *furtivus*, originally described as one of five varieties of *millenarius*, is missing from the Palaeartic Catalogue (Ashe & Cranston 1990).

fuscipropes SÆTHER & WANG, 1993, **EURYHAPSIS**: The species *E. fuscipropes* was described in 1993 and not in 1992 – see note in the Bibliography under Sæther

& Wang (1993).

fuscitheca BHATTACHARYA, DUTTA & CHAUDHURI, 1986, **THIENEMANNIA**: The paper in which *T. fuscitheca* was described was published in 1986 and not 1985 – see note under Bhattacharya, Dutta & Chaudhuri (1986) in the Bibliography.

fuscithorax (KIEFFER, 1913), synonym of **RHEOCRICOTOPUS (RHEOCRICOTOPUS) fuscipes** (KIEFFER, 1909): The type-locality (“île de Rügen”) given in Kieffer (1913) is correct whereas the locality (“im Schlamm der Glinde bei Niedermarsberg”) for the earlier use of the name in Thienemann (1912) is incorrect (Martin Spies pers. comm. to P. Ashe).

fuscithorax (THIENEMANN, 1912), synonym of **RHEOCRICOTOPUS (RHEOCRICOTOPUS) fuscipes** (KIEFFER, 1909): See note above on *fuscithorax* (Kieffer, 1913).

fuscus (JOHANNSEN, 1903), synonym of **CARDIOCLADIUS obscurus** (JOHANNSEN, 1903): The correct page on which *Thalassomyia fusca* is named is page 400 and not page 437 as given in the Nearctic Catalog (Oliver, Dillon & Cranston, 1990: 21).

gayi SERRA-TOSIO, 1984, **PARATRICHOCLADIUS**: The pagination of the paper by Serra-Tosio (1984) is in roman numerals and the description of *P. gayi* begins on page XIV.

geminatus (SAY, 1823), **Nomina dubia in CRICOTOPUS**: Boesel (1983: 75) says that *Cricotopus geminatus* (Say) is not treated as a valid species since it “lacks the support of any solid records”. The name is therefore treated here as a nomen dubium in *Cricotopus*.

glacialis KIEFFER, 1922, **Nomina dubia in ORTHOCLADIINAE**: The description of *Trichocladus glacialis* begins on page 18 and not on page 19 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 243).

glacialis (KIEFFER, 1926), **Nomina dubia in SMITTIA**: The correct page of the description is 86 and not 85 as given in Oliver *et al.* (1990: 40). The type-material is lost and the name is treated as a nomen dubium in *Smittia* (Sæther *et al.* 1984: 273).

globifer (LUNDSTRÖM, 1915), synonym of **LIMNOPHYES pumilio** (HOLMGREN, 1869): The correct page of the description of *Camptocladus globifer* is 16 and not 15 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 194).

gracillima (KIEFFER, 1922), **PARAKIEFFERIELLA**: *Camptocladus gracillimus* was first proposed in a key to European *Camptocladus* species by Kieffer (1922). The name *gracillima* was included in two different places in the Palaearctic Catalogue (Ashe & Cranston 1990) firstly and correctly on page 210 as a valid species of *Parakiefferiella* and secondly and incorrectly as *gracillimus* on page 243 as a nomen dubium in Orthoclaadiinae.

griseipennis (KIEFFER, 1923), **Nomina dubia probably in ORTHOCLADIUS (POGONOCLADIUS)**: According to Cranston (1999: 292), based on a re-examination of two syntypes (one male, one female), it perhaps belongs in *Orthocladus (Pogonocladus)*.

guineensis (KIEFFER, 1918), **Nomina dubia in ORTHOCLADIINAE**: The name *Trichocladus guineensis* is missing from the Afrotropical Catalogue (Freeman & Cranston 1980). However, it is mentioned in Freeman (1956: 316) who says that the type (an adult female) is lost and therefore it is listed here as a nomen dubium in Orthoclaadiinae.

gunmatertia (SASA, 1996), **CHAETOCLADIUS (CHAETOCLADIUS)**: In the original description there are two different spellings of the name, as *gunmatertia* on page 87 and on page 89 (List of Figures) and as *gunmagrandis* on page 91 (Fig. 3 of Plate G 2). The spelling *gunmatertia* it is regarded as the correct original spelling because it is used twice in the publication by Sasa (1996).

GYMNOMETRIOCNEMUS EDWARDS, 1932: Spies & Sæther (2004: 22-23) have shown that the genus-group name *Gymnometriocnemus* is a valid available name that is attributable to Edwards (1932: 141) because he described it by inference (reference to Goetghebuer, 1932) and designated an eligible type-species.

halobius KIEFFER, 1925, questionable synonym of **CRICOTOPUS (ISOCLADIUS) ornatus** (MEIGEN, 1818): The Swedish type-locality for *Cricotopus halobius*

given in Kieffer (1925) is incorrect but the correct type-locality (from Germany) is specified in Thienemann (1926).

harnischi KIEFFER, 1924, **Nomina dubia in ORTHOCLADIINAE**: A type-locality for *harnischi* is not specified in the description on page 65. However, since it was named after Otto Harnisch it must have been collected by him at the locality specified on page 11 of the introduction, i.e. [Poland] “en Silésie, sur un haut plateau tourbeux, nommé Seefelder” [= in Silesia, on a highland moor, named Seefelder].

hepaticus PANKRATOVA, 1972, **Unavailable names in ORTHOCLADIINAE**: The name *hepaticus* Pankratova is missing from the Palearctic Catalogue (Ashe & Cranston 1990).

heptatomus KIEFFER, 1915, **Nomina dubia probably in ORTHOCLADIUS (EUDACTYLOCLADIUS)**: The name *heptatomus* was included twice in the Palearctic Catalogue (Ashe & Cranston 1990) firstly and correctly on page 204 as a nomen dubium probably in *Orthocladus (Eudactylocladius)* and secondly and incorrectly on page 244 as a nomen dubium in Orthocladiinae.

heptatomus KIEFFER, 1921, **Nomina dubia in ORTHOCLADIINAE**: The correct ending of the name is *heptatomus* and not *heptatoma* as given in the Palearctic Catalogue (Ashe & Cranston 1990: 244).

heterocerus KIEFFER, 1908, **TRISSOCLADIUS**: *Trissocladius heterocerus* was described on page 5 as a species and not on page 4 or “as var. of *brevipalpis*” as given in the Palearctic Catalogue (Ashe & Cranston 1990: 236).

heteropterus KIEFFER, 1911, **Generically Unplaced Valid ORTHOCLADIINAE**: The genus *Dolichocladus* is inadequately described and characterised and may be a synonym of an existing genus and it is therefore best treated as a nomen dubium. The type-species, *D. heteropterus*, is treated as a valid but generically unplaced species in the Orthocladiinae.

HETEROTANYTARSUS SPÄRCK, 1923: The genus *Heterotanytarsus* is named on page 92 and not on page 88 as given in the Palearctic Catalogue (Ashe & Cranston

1990: 190).

hexalobus (KIEFFER, 1924), **Nomina dubia in PSEUDOSMITTIA**: Sæther & Ferrington (2003: 5) treat *Camptocladius hexalobus* as a nomen dubium in *Pseudosmittia* but indicate that it is a likely senior synonym of either *P. trilobata* (Edwards) or *P. obtusa* Strenzke.

hexatomus (KIEFFER, 1921), synonym of **LIMNOPHYES minimus** (MEIGEN, 1818): The description of *Camptocladius hexatomus* Kieffer, 1921, is apparently a repeat description of *Camptocladius hexatomus* Kieffer, 1915, even though the type-localities of the two do not match. Differences in character states between the two adult female descriptions are negligible (Martin Spies pers. comm. to P. Ashe). The name *Camptocladius hexatomus* Kieffer, 1921, is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

hexatomus (POTTHAST, 1914), synonym of **LIMNOPHYES minimus** (MEIGEN, 1818): See note on *Hydrobaenus distylus* (Potthast, 1914).

hiberna POLISHCHUK, 1972, **Nomina dubia in ORTHOCLADIINAE**: The description of *Limnophyes hiberna* in Polishchuk (1972), based on the larval stage only, is regarded as a nomen dubium. Additional details, including figures of *L. hiberna*, are included in Polishchuk (1974).

himalayensis CHAUDHURI & SINHARAY, 1983, **RHEOCRICOTOPUS (PSILOCRICOTOPUS)**: The species *himalayensis* was included in the subgenus *Psilocricotopus* of the genus *Rheocricotopus* in Bhattacharyay, Ali & Chaudhuri (1991).

hirtellus GOETGHEBUER, 1919, **Nomina dubia in METRIOCNEMUS**: The name *Metriocnemus hirtellus* was first proposed based on the immature stages in Goetghebuer (1919) before the adult was described in Goetghebuer (1921) – see Spies & Sæther (2004: 10-11).

hirtellus GOETGHEBUER, 1921, **Nomina dubia in METRIOCNEMUS**: The description, in a key, begins on page 79 but the name *hirtellus* is first mentioned on page 80. Page 80 is therefore considered to be the correct page to cite.

- hirticercus* KIEFFER, 1922, **Nomina dubia in ORTHOCLADIINAE**: The name *Camptocladius hirticercus* is missing from the Palaeartic Catalogue (Ashe & Cranston 1990).
- hockaiensis* GOETGHEBUER, 1933, **Nomina dubia in ORTHOCLADIINAE**: The correct year of publication of the paper which includes the description of *hockaiensis* is 1933 and not 1932 – see Bibliography under Goetghebuer (1933).
- hoegeni* KIEFFER, 1918, **Nomina dubia in SMITTIA**: The correct page of the description of *hoegeni* is 79 and not 77 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 230).
- humphriesiae** DOWLING & MURRAY, 1980, **ZALUTSCHIA**: The correct original spelling is *humphriesiae* and not *humphresiae* as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 237).
- HYDROBAENINAE** TOWNES, 1945: Junior synonym of Orthoclaadiinae Kieffer, 1911. See comments in Ashe (1983: 5) concerning the use of the subfamily name Hydrobaeninae by Townes (1945).
- hygropetricus* KIEFFER, 1912, synonym of **METRIOCNEMUS (METRIOCNEMUS) eurynotus** (HOLMGREN, 1883): According to the Martin Spies (pers. comm. to P. Ashe) the Thienemann documents in the Zoologische Staatssammlung (Munich) show that Kieffer saw adult material from several widely separated localities some of which are mentioned in Thienemann (1912). Until investigated further it is not possible at present to include a list of all type-localities where *M. hygropetricus* was found.
- impensus** subsp. **croceus** CHAUDHURI & BHATTACHARYAY, 1989, **PARAPHAENOCLADIUS**: Two new *Paraphaenocladus* species, *croceus* and *distinctus*, described in Chaudhuri, Bhattacharyay & Dhutta (1989) are synonyms of one another and both were treated as junior synonyms of *P. impensus* subsp. *albusalatus* in Sæther and Wang (1995: 59-60) who examined the holotypes. However, it is demonstrated here that the paper by Chaudhuri & Sinharay (1989), in which *albusalatus* was described, was published in

November 1989 and not in 1987 – see note in the Bibliography under this reference. The paper by Chaudhuri, Bhattacharyay & Dhutta (1989) was published some months earlier on the 1 June 1989 and consequently both *croceus* and *distinctus* have seniority over *albusalatus*. The name *croceus* is selected here as the valid subspecies name to replace *albusalatus* which becomes a **syn. nov.** of the former.

incerta (BECHER, 1886), questionable synonym of **SMITTIA extrema** (HOLMGREN, 1869): The name is included twice in the Palaearctic Catalogue (Ashe & Cranston 1990) firstly and correctly on page 228 as a questionable synonym of *Smittia extrema* (Holmgren, 1869) and secondly and incorrectly on page 317 as a nomen dubium in Chironomini.

inconstans (BRUNDIN, 1947), **BRYOPHAENOCLADIUS**: Records of *B. inconstans*, *B. propinquus* and *B. scanicus* from the Russian Far East in Du, Wang & Sæther (2011) are incorrect (Dr E. Makarchenko pers. comm. to P. Ashe).

insulatus (BHATTACHARYAY & CHAUDHURI, 1988), **PARACRICOTOPUS**: The original placement of *insulatus* in *Nanocladius* (*Nanocladius*) is incorrect. According to Prof. O. A. Sæther (pers. comm. to P. Ashe) the original description and figures indicates that it is better placed in *Paracricotopus* where it is tentatively assigned pending re-examination of the type material. See note in the Bibliography under Bhattacharyay & Chaudhuri (1988) concerning the publication date.

intersectus (STAEGER, 1839), **CRICOTOPUS (ISOCLADIUS)**: *Cricotopus* (*Isocladius*) *intersectus* (Staeger, 1839), was originally published as *Chironomus intersectus*, which is a junior primary homonym of *Chironomus intersectus* Meigen, 1838. Zetterstedt (1850) therefore proposed the substitute name *Chironomus incisuratus*. However, neither *C. intersectus* Meigen nor *C. incisuratus* Zetterstedt have been used as valid during the past 100 years, whereas *Cricotopus intersectus* (Staeger) has been used frequently and widely. Consequently, *Cricotopus* (*Isocladius*) *intersectus* (Staeger) is maintained as

valid here in accordance with Code Article 23.2 (ICZN, 1999 4th Edition).

- ioergenseni* KIEFFER, 1910, questionable synonym of **lateralis** WALKER, 1837, **Generically Unplaced Valid ORTHOCLADIINAE**: In the Neotropical Catalog (Spies & Reiss 1996: 78) *Diplocladius ioergenseni* is listed as a nomen dubium in the Orthocladiinae and incorrectly dated as 1909. The correct year of publication is 1910 (see Bibliography) and we follow Edwards (1931: 277, as *jörgenseni*) and treat *Diplocladius ioergenseni* as a questionable junior synonym of *lateralis* Walker, a generically unplaced valid species of Orthocladiinae.
- ishimicus* CHERNOVSKII, 1949, questionable synonym of **PSECTROCLADIUS (PSECTROCLADIUS) barbimanus** (EDWARDS, 1929): The type-locality data is derived from the label on the slide of the type specimen (Dr Andrey Przhiboro pers. comm to P. Ashe).
- italicus* (KIEFFER, 1922), **Nomina dubia in LIMNOPHYTES**: *Camptocladius italicus* was first proposed in a key to European *Camptocladius* species by Kieffer (1922).
- jantschilicola* LIPINA, 1949, **Unavailable names in ORTHOCLADIINAE**: The name *jantschilicola* is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).
- jintuseptdecima** (SASA, 1996), **TOKUNAGAIA**: The original spelling of the name in Sasa (1996) is *jintuseptdecimus*; the ending changes (*jintuseptdecima*) when the name is combined with *Tokunagaia*. The original spelling was emended further to *jintuseptidecima* in Yamamoto (2004: 105), but according to the ICZN Code this emendation was unjustified. Consequently, *Tokunagaia jintuseptdecima* is the valid name and spelling at this time.
- johannseni* (SUBLETTE, 1967), synonym of **HYDROBAENUS nivoriundus** (JOHANNSEN, 1934): See note on *H. nivoriundus*.
- kadamtullaensis** MAHESHWARI & MAHESHWARI, 2002, **Generically Unplaced Valid ORTHOCLADIINAE**: The status and generic placement of this species, originally described as *Lindebergia kadamtullaensis*, is unresolved and it does not belong in *Allocladius* Kieffer with which *Lindebergia* Tuiskunen has

recently been synonymized. The type specimens will need to be re-examined to determine its correct generic placement and the species is therefore treated here as a generically unplaced valid Orthoclaadiinae. The paper describing *L. kadamtullaensis* was published in 2002 – see note under Maheshwari & Maheshwari (2002) in the Bibliography.

KARELIA CHERNOVSKII, 1939, synonym of *ZALUTSCHIA* LIPINA, 1939: The paper in which *Karelia* is named was published in 1939 and not 1938 – see note under Chernovskii (1939) in the Bibliography.

karicus CHERNOVSKII, 1949, **Nomina dubia in ORTHOCLADIINAE**: The species is cited as “*karicus* Birula” which is incorrect because Chernovskii (1949) created the name. Although Birula (1934) described a larva, which was assigned to the genus *Clunio*, he did not give it a Latin species name.

kiefferulus GOETGHEBUER, 1942, **Nomina dubia in ORTHOCLADIINAE**: The variant original spellings *Orthocladus* (*Eudactylocladius*) *kiefferulus* and *O. (E.) kiefferiellus* were proposed for a single taxonomic species in two successive instalments of *Die Fliegen der Palaearktischen Region*, part 13g. The epithet was first spelled “*Kiefferulus*” in a key on page 64 in the instalment published in 1942; the description section corresponding to the same species, but with the epithet spelled “*Kiefferiellus*”, appeared on page 68 in a subsequent instalment published in 1943.

korbuicola LIPINA, 1949, **Unavailable names in ORTHOCLADIINAE**: The name *korbuicola* is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

kribiensis (KIEFFER, 1923), questionable synonym of **CRICOTOPUS (CRICOTOPUS) albitibia** (WALKER, 1848): The name *Trichocladus kribiensis* is missing from the Afrotropical Catalogue of Freeman & Cranston (1980) but is given as a questionable synonym of *Cricotopus albitibia* in Freeman (1956: 306).

KRIBIOCLADIUS KIEFFER, 1923: The generic name *Kribiocladus* is listed as a questionable synonym of *Thienemanniella* in Freeman & Cranston (1980: 186). In the original description of *Kribiocladus* the first line of the species

description begins "*T. flava*" ["*T.*" = *Thienemanniella*] rather than "*K. flavus*" and it appears that Kieffer originally intended to describe the species in *Thienemanniella*. In *flava*, the eyes are described as pubescens which is the condition in many *Thienemanniella* species but in two related genera *Corynoneura* and *Corynoneurella* the eyes are bare. For the above reasons we therefore formally synonymize *Kribiocladius* with *Thienemanniella*.

kurobeokasia SASA & OKAZAWA, 1992, synonym of **HYDROSMITTIA oxoniana** (EDWARDS, 1922): In the original description there are two different spellings of the name, as *kurobeokasia* on pages 41 and 57, and as *kurobaokasia* on pages 72 and 80. Since the species is named after the Kurobe River the correct spelling is *kurobeokasia*.

lacroixi KIEFFER, 1922, **Nomina dubia in ORTHOCLADIINAE**: In the second description in Kieffer (1922) the species is mentioned in the introduction on page 26 as "*C. Lacroixi* n. sp." and the adult female is keyed, with diagnostic characters, on page 36.

lacteolus GOETGHEBUER, 1921, **METRIOCNEMUS (METRIOCNEMUS)**: The description, in a key, begins on page 80 but the species name *lacteolus* is first mentioned on page 81. Page 81 is considered to be the correct page to cite.

lacunarum GOETGHEBUER, 1932, **Nomina dubia in ORTHOCLADIINAE**: The correct year of publication of the paper which includes the description of *lacunarum* is 1932 and not 1931 – see Bibliography under Goetghebuer (1932).

lacustris KIEFFER, 1916, synonym of **CRICOTOPUS (CRICOTOPUS) festivellus** (KIEFFER, 1906): The name *Trichocladius lacustris* is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

lambertoni (POTTHAST, 1914), synonym of **CRICOTOPUS (CRICOTOPUS) algarum** (KIEFFER, 1911): See note on *Hydrobaenus distylus* (Potthast, 1914).

lanceolatus SINHARAY & CHAUDHURI, 1985, **NASUTICLADIUS**: The description of *N. lanceolatus* was published in 1985 and not 1984 – see note under Sinharay & Chaudhuri (1985) in the Bibliography.

lapponicus GOETGHEBUER, 1940, **ORTHOCLADIUS (ORTHOCLADIUS)**: The name *lapponicus* is included twice in the Palaearctic Catalogue (Ashe & Cranston 1990) firstly and correctly on page 205 as a valid species of *Orthocladius* (*Orthocladius*) and secondly and wrongly on page 245 as a nomen dubium in Orthoclaadiinae.

lebetis SUBLETTE, 1964, **CRICOTOPUS (ISOCLADIUS)**: The name *C. (I.) lebetis* was treated as a synonym of *C. (I.) tricinctus* (Meigen) in the Nearctic Catalog (Oliver *et al.* 1990) but was redescribed and treated as a valid species in Epler *et al.* (2000).

lemnae FRAUENFELD & SCHINER, 1867, synonym of **CORYNONEURA scutellata** WINNERTZ, 1846: The authorship of the species must be credited to both Frauenfeld and Schiner because the paper contains descriptions of the larva and pupa by Frauenfeld and the adult by Schiner (Martin Spies pers. comm. to P. Ashe). In addition, at the bottom of p. 972, Frauenfeld wrote that he had carried the sample containing the new *Corynoneura* species home for study, with the verb “tragen” suggesting that he had done so on foot. Since Frauenfeld home was in Vienna, Austria (where he lived and worked) this is regarded as the type-locality. The paper by Frauenfeld was published in 1867 and not 1866 – see note under Frauenfeld (1867) in the Bibliography.

leucolabis KIEFFER, 1915, **Nomina dubia probably in ORTHOCLADIUS (EUDACTYLOCLADIUS)**: The name “*Dactylocladius leucolabis*” was included twice in the Palaearctic Catalogue (Ashe & Cranston 1990) firstly and correctly on page 204 as a nomen dubium probably in *Orthocladius* (*Eudactylocladius*) and secondly and incorrectly on page 245 as a nomen dubium in Orthoclaadiinae.

lignicola KIEFFER, 1914, **ORTHOCLADIUS (SYMPOSIACLADIUS)**: The species *O. (S.) lignicola* was first described by Kieffer in a preprinted separate of Potthast (1914) which was published in the year prior to the journal version in 1915 – see note on Potthast (1914) in the Bibliography.

- limnobi*us KIEFFER, 1916, questionable synonym of **CRICOTOPUS (ISOCLADIUS) sylvestris** (FABRICIUS, 1794): The correct year of description of *limnobi*us is 1916 and not 1915 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 180).
- litigiosus* KIEFFER, 1922, **Nomina dubia in ORTHOCLADIINAE**: In the Palaearctic Catalogue (Ashe & Cranston 1990: 245) it was listed as “*ligitiosus*” which is an incorrect variant original spelling – the correct spelling is *litigiosus*.
- litoris* KIEFFER, 1924, **Nomina dubia in ORTHOCLADIINAE**: See note on *Corynoneura marina* Kieffer, 1924.
- litorosus* (SANTOS-ABREU, 1918), synonym of **HALOCLADIUS (HALOCLADIUS) millenarius** (SANTOS-ABREU, 1918): The name *litorosus*, originally described as one of five varieties of *millenarius*, is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).
- littorella* GOETGHEBUER, 1927, **Nomina dubia probably in SMITTIA**: The name was included twice in the Palaearctic Catalogue (Ashe & Cranston 1990) firstly and correctly on page 230 sub “*littorella* (GOETGHEBUER, 1927)” as a nomen dubium probably in *Smittia* and secondly and incorrectly as “*littorellus* GOETGHEBUER, 1926” on page 245 as a nomen dubium in Orthoclaadiinae. The correct year of publication of the original description is 1927 and not 1926.
- LJUNGNERIA** BRUNDIN, 1964, **Unavailable names in ORTHOCLADIINAE**: The correct year of publication of *Ljungneria* and the two included species (*maorii* Brundin and *patagonica* Brundin) is 1964 and not 1963 – see Brundin (1964) in the Bibliography. Although the generic name is a nomen nudum both *maorii* and *patagonica* are treated as generically unplaced valid species of Orthoclaadiinae.
- lobata* (KIEFFER, 1916), synonym of **THIENEMANNIA gracilis** KIEFFER, 1909: The description of *lobata* begins on page 513 and not on page 514 as given in Ashe & Cranston (1990: 233).
- lobiger** (FREEMAN, 1953), **SYNORTHOCLADIUS**: Based on the original description and figure of *Pseudorthocladius lobiger* in Freeman (1953) the adult male lacks an

anal point and has a tongue-shaped inferior volsella and may not belong in *Synorthocladius* but is tentatively retained in the latter genus until the type-material can be re-examined (Liu & Wang, 2005: 57-58).

lobuliferus GOETGHEBUER & TIMON-DAVID, 1939, **Nomina dubia in ORTHOCLADIINAE**: The original spelling, in the binominal combination *Orthocladius lobulifera*, must be corrected to *O. lobuliferus*. Authorship of the name must be Goetghebuer & Timon-David because there is no statement in the paper indicating that Goetghebuer is the sole author.

longicalcar KIEFFER, 1911, **Nomina dubia in EUKIEFFERIELLA**: The name *E. longicalcar* (Kieffer) is regarded as a nomen dubium for the reasons detailed in Spies & Sæther (2004: 22).

longicosta OLIVER, 1985, **IRISOBRILLIA**: The record and description of “*Eurycnemus* sp.” from St. Vincent in Sæther (1981) is a mis-identification and has since been included as a synonym of *Irisobrillia longicosta* in Andersen & Mendes (2004).

longicostalis (EDWARDS, 1931), **GYMNOMETRIOCNEMUS (GYMNOMETRIOCNEMUS)**: The two species *Metriocnemus longicostalis* and *M. ancludensis* Edwards, previously treated as valid generically unplaced Orthoclaadiinae, were included in *Gymnometriocnemus* in an unpublished list of type material in The Natural History Museum (London) (Spies & Reiss 1996: 91). Re-examination of the description of *M. longicostalis* and comparing it with the diagnoses for *Metriocnemus* and *Gymnometriocnemus* (in Cranston, Oliver & Sæther 1989) is particularly informative. The combination of: apex of antenna with several longish hairs, eyes without short wedge-shaped dorsomedial extension, acrostichal hairs apparently absent (probably present and not visible in pinned specimen), bare squama, almost the entire wing membrane densely hairy, and without distinct anal point (apparently absent) clearly indicates placement in *Gymnometriocnemus* and not *Metriocnemus*. In addition Edwards (1931: 274) states that *M. ancludensis* is allied to *M. longicostalis* and the latter “belongs to the same group as the British *M.*

subnudus, Edw., . . . other members [of the group] occurring in the Seychelles Is. and in New Zealand". The genus *Gymnometriocnemus* now includes *M. subnudus* as well as one Seychelles species (*G. (G.) mahensis* (Kieffer)) and one New Zealand species (*G. (G.) lobifer* (Freeman)). Based on the above data both *M. longicostalis* and *M. ancudensis* are transferred to *Gymnometriocnemus* (*Gymnometriocnemus*).

longifurca KIEFFER, 1921, **BRILLIA**: See note on *Brillia flavifrons* (Johannsen, 1905).

longimanus (KIEFFER, 1908), synonym of **ACRICOTOPUS lucens** (ZETTERSTEDT, 1850): In the original description of *longimanus* the only specified type-locality is "Greifswald" and not "near Greifswald, Koitenhagen" as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 159).

longipenis GHOSH & CHAUDHURI, 1984, **BRYOPHAENOCLADIUS**: The description of *B. longipenis* was published in 1984 and not 1983 – see note under Ghosh & Chaudhuri (1984) in the Bibliography.

longipennis (HOLMGREN, 1883), **METRIOCNEMUS (METRIOCNEMUS)**: The name *Smittia longipennis* was treated as a nomen dubium in the Orthoclaadiinae in Ashe & Cranston (1990: 245) but was redescribed as a valid species of *Metriocnemus* in Sæther (1989: 421).

longiseta (THIENEMANN, 1919), **PARALIMNOPHYES**: First described by Thienemann (1919) as indicated in Spies & Sæther (2004: 26) and not in Thienemann (1921) as given in Ashe & Cranston (1990: 210).

longistilus (POTTHAST, 1914), questionable synonym of **CRICOTOPUS (CRICOTOPUS) fuscus** (KIEFFER, 1909): See note on *Hydrobaenus distylus* (Potthast, 1914).

luciae LESAGE & HARRISON, 1981, **CRICOTOPUS (CRICOTOPUS)**: The species was described in 1981 and not 1980 — see note under LeSage & Harrison (1981) in the Bibliography. In the Nearctic Catalog (Oliver, Dillon & Cranston 1990: 23) the authority for the species is given as "*luciae* LeSage in LeSage & Harrison". However, in the original description by LeSage & Harrison (1980) there is no indication that LeSage is the sole author and in the adult keys to

males and females the species is referred to as “*C. luciae* LeSage & Harrison”.

lunzensis (THIENEMANN, 1944), **HYDROBAENUS**: The species was described first in Gowin & Thienemann (1942), but in that work the species name was not presented in unambiguous combination with a single genus name, thus constitutes a nomen nudum (Spies & Sæther 2004: 23). However, the name *Diplocladius lunzensis* is available from Thienemann (1944), as all requirements of the ICZN Code are met by the diagnosis in the larval key up to and on p. 638.

lutea BHATTACHARYA, DUTTA & CHAUDHURI, 1986, **THIENEMANNIA**: The paper in which *T. lutea* was described was published in 1986 and not 1985 – see note under Bhattacharya, Dutta & Chaudhuri (1986) in the Bibliography.

luteicornis (GOETGHEBUER in STRENZKE, 1941), **GEORTHOCLADIUS** (**GEORTHOCLADIUS**): Larvae were reported from four localities (p. 184 - one in Poland, two in Germany and one in Austria). However, the female adults, on which Goetghebuer based his description, were reared from the Plön (German) locality only. Therefore, the latter constitutes the type-locality. The type-locality data in the Palaearctic Catalogue (Ashe & Cranston 1990: 187) are incorrect because they refer to the Austrian locality from which only larvae were obtained.

luteolus GOETGHEBUER, 1921, **Nomina dubia in PSECTROCLADIUS**: The description, in a key, begins on page 101 but the name *luteolus* is first mentioned on page 102. Page 102 is therefore considered to be the correct page to cite.

luteus GOETGHEBUER, 1934, **Nomina dubia probably in ORTHOCLADIUS** (**ORTHOCLADIUS**): The name *luteus* is included twice in the Palaearctic Catalogue (Ashe & Cranston 1990) firstly and correctly on page 207 as a nomen dubium probably in *Orthocladius* (*Orthocladius*) and secondly and incorrectly on page 246 as a nomen dubium in Orthoclaadiinae.

macrobrachia EDWARDS, 1928, **PSEUDOSMITTIA**: The correct spelling of the species name is *macrobrachia* and not *macrobranchia* as given in Cranston and Martin

(1989: 262).

- macrostomus** SOPONIS, 1981, **PSEUDORTHOCLADIUS (PSEUDORTHOCLADIUS)**: The description of *P. (P.) macrostomus* was published in 1981 and not 1980 – see note under Soponis (1981) in the Bibliography.
- maeaeri** BRUNDIN 1949, **HETEROTRISSOCLADIUS**: The original spelling of the species is *Määri* which is not formed from a German word and it should have been corrected to *maari* and not *maeaeri*. However, the spelling *maeaeri* is in prevailing usage and is retained (Martin Spies pers. comm. to P. Ashe).
- mahensis** (KIEFFER, 1911), **SMITTIA**: The available male specimens are damaged (but have several distinctive features) and its queried placement in *Smittia* requires confirmation (Sæther 2004: 294). In the Afrotropical Catalogue (Freeman & Cranston, 1980: 186) it was placed in *Pseudosmittia*.
- mallochi* SUBLETTE, 1970, **Nomina dubia in THIENEMANNIELLA**: The name *T. mallochi* was described based on the adult female only and consequently was treated as a nomen dubium in *Thienemanniella* in Fu, Sæther & Wang (2010: *Zootaxa* **2431**: 3).
- manifestus** GHOSH & CHAUDHURI, 1984, **BRYOPHAENOCLADIUS**: The description of *B. manifestus* was published in 1984 and not 1983 – see note under Ghosh & Chaudhuri (1984) in the Bibliography.
- manii** (MAHESHWARI & MAHESHWARI, 2001), **PARALAUTERBORNIELLA**: See note on *Andamanus* Maheshwari & Maheshwari.
- maorii** BRUNDIN, 1964, **Generically Unplaced Valid ORTHOCLADIINAE**: See note on *Ljungneria* Brundin, 1964.
- marina** KIEFFER, 1924. **CORYNONEURA**: In the type-locality the Baltic Sea is specified but no country is identified. However, for another species, “*Psectrocladius versicolor* var. *marinus*”, described on page 61 in the same publication the type-locality is given as “Holstein, voltigeant au bord de la mer Baltique”. Therefore, for other species with a similarly phrased type-locality but lacking the word Holstein it can be assumed that the material was collected on the eastern (Baltic

Sea) coast of Schleswig-Holstein in Germany.

marinus HALIDAY, 1855, **CLUNIO**: *Clunio marinus* is widespread in Atlantic coastal areas of north-west Europe and probably occurs in the Mediterranean but we regard reports of the species from the Black Sea and Egypt (upper Red Sea) as doubtful and requiring investigation. There appear to be at least two distinct species in the Mediterranean. The species *C. mediterraneus* Neumann, 1971, is treated as valid but there are two older names from the Mediterranean Sea, *C. adriaticus* Schiner (1857) from Italy (Trieste) and *C. balearicus* Bezzi (1913) from the Balearic Islands, which are regarded as nomina dubia but either name could have priority over *C. mediterraneus*. See note on *Clunio ponticus* Michailova.

maritimus CHERNOVSKII, 1949, **Nomina dubia in ORTHOCLADIINAE**: The description of *maritimus*, in a key, begins on page 119 but the taxon is only formally named on page 120. Page 120 is therefore considered to be the correct page to cite.

maritimus (GOETGHEBUER & TIMON-DAVID, 1937), synonym of **HALOCLADIUS (HALOCLADIUS) millenarius** (SANTOS-ABREU, 1918): Authorship of the name must be Goetghebuer & Timon-David because there is no statement in the paper indicating that Goetghebuer is the sole author.

mediterraneus NEUMANN, 1971, **CLUNIO**: The species was first mentioned as “*Cl. mediterraneus* n. sp.” in Neumann (1966: 3) and many sources accepted the name as available from that work. However, re-examination of the paper shows that no species description was given and the name in Neumann (1966) is a nomen nudum. The name, *C. mediterraneus*, was validated by Neumann (1971: 10) based on the following translated lines in the second last paragraph on page 10:- “The Rovinj strain, together with other Mediterranean populations (Marseilles and Banyuls-sur-Mere, France), was assigned to a new *Clunio* species, *C. mediterraneus* (Neumann, 1966). Morphologically the Mediterranean species can be distinguished from *C. marinus* unambiguously by means of the pattern of intersegmental spinule rows of the pupal exuviae (Neumann, unpubl.)”. According to Martin Spies (pers. comm. to P. Ashe) the

last sentence quoted above mentions only a character, not a character state (or pair of mutually exclusive states), but nevertheless contains all elements necessary to satisfy Article (13.1.1) of the ICZN (1999) Code's conditions for availability. In a later paper Neumann *et al.* (1997) provided diagnostic character states of the pupal stage (including illustrations) to distinguish *C. mediterraneus* from *C. marinus*. See note on *Clunio marinus* Haliday.

medius CHERNOVSKII, 1949, questionable synonym of **PSECTROCLADIUS (PSECTROCLADIUS) simulans** (JOHANNSEN, 1937): The name *Psectrocladius medius* is described on page 112 and not on page 114 as given in the Palearctic Catalogue (Ashe & Cranston 1990: 219).

melanopus KIEFFER, 1921, **Nomina dubia in ORTHOCLADIINAE**: The correct original spelling is *melanopus* and not *melanops* as given in the Palearctic Catalogue (Ashe & Cranston 1990: 246).

melas PHILIPPI, 1866, questionable synonym of **lateralis** WALKER, 1837, **Generically Unplaced Valid ORTHOCLADIINAE**: Listed as a nomen dubium in the Orthocladiinae in the Neotropical Catalog (Spies & Reiss 1996: 78) but we follow Edwards (1931: 277) and treat *melas* Philippi as a questionable junior synonym of *lateralis* Walker, a generically unplaced valid species of Orthocladiinae. The year of publication of *C. melas* Philippi is changed from 1865 to 1866 – see note under Philippi (1866) in the Bibliography.

meridionalis GOETGHEBUER & TIMON-DAVID, 1939, **Nomina dubia in ORTHOCLADIINAE**: Authorship of the name must be Goetghebuer & Timon-David because there is no statement in the paper indicating that Goetghebuer is the sole author.

MESOPSECTROCLADIUS LAVILLE, 1972 (Subgenus of **PSECTROCLADIUS** KIEFFER, 1906): The publication in which *Mesopsectrocladius* was originally described was published in 1972 and not 1971 – see note under Laville (1972) in the Bibliography. The subgenus was listed as occurring in the Georgia in the Nearctic Region in Caldwell *et al.* (1997) but according to Dr Broughton

Caldwell (pers. comm. to P. Ashe) the record is doubtful and *Mesopsectrocladius* is not yet known from the Nearctic.

METRIOCNEMUS WULP, 1874: See note under *Camptocladius* Wulp, 1874.

micans KIEFFER, 1918, **Nomina dubia in ORTHOCLADIINAE**: The description of *micans* begins on page 122 and not on page 83 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 246).

microcladioides LIPINA, 1949, **Unavailable names in ORTHOCLADIINAE**: The name *microcladioides* Lipina is missing from the Palaeartic Catalogue (Ashe & Cranston 1990).

MICROCLADIUS KIEFFER, 1908, **Nomina dubia in ORTHOCLADIINAE**: The name “*Microcladius* n. g.” appears only in a key and other than characters in the key a complete description was never given. No species were originally or subsequently included in this genus which is therefore regarded as a nomen dubium.

MICROCRICOTOPUS GOETGHEBUER, 1944, a synonym of **NANOCLADIUS** KIEFFER, 1913: The name *Microcricotopus* was validated by Goetghebuer’s action (in Goetghebuer & Lenz 1944: 114) in designating a type-species.

micronesiana (TOKUNAGA, 1964), **PSEUDOSMITTIA**: The correct original spelling of the species is *micronesiana* and not *micronesia* as given in Cranston & Martin (1989: 262).

minima CURE, 1971, **Unavailable names in Orthoclaadiinae**: The name *minima* is missing from the Palaeartic Catalogue (Ashe & Cranston 1990).

minuta WINNERTZ, 1846, **Nomina dubia in CORYNONEURA**: *Corynoneura minuta* is described on page 13 and not page 16 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 170).

minutissimus (GOETGHEBUER, 1942), **CHAETOCLADIUS (CHAETOCLADIUS)**: The name *C. minutissimus* was originally described in *Orthoccladius (Chaetoccladius)* and not in *Chaetoccladius* as given in Ashe & Cranston (1990: 165). In addition, the preoccupied name *Orthoccladius (Chaetoccladius) minutus* Goetghebuer was

listed in Ashe & Cranston (1990: 247) as a nomen dubium in Orthoclaadiinae instead of being inserted on page 165 as a synonym of its replacement name *C. minutissimus*.

minutus (GOETGHEBUER, 1934), synonym of **CHAETOCLADIUS (CHAETOCLADIUS) minutissimus** (GOETGHEBUER, 1942): See note above under *Chaetocladius (Chaetocladius) minutissimus* (GOETGHEBUER, 1942).

mirabilis SERRA-TOSIO, 1984, **EUKIEFFERIELLA**: The pagination of the paper by Serra-Tosio (1984) is in roman numerals and the description of *E. mirabilis* begins on page XVII.

miricornis (KIEFFER, 1911), synonym of **SYNORTHOCLADIUS semivirens** (KIEFFER, 1909): A characteristic feature of the anal lobe of the pupa of *S. semivirens* is three consecutively smaller anal macrosetae with the largest of these towards the inside of the anal lobe. The anal lobe of the pupa of *Dactylocladius miricornis* in Potthast (1914, 1915, Fig. 55) is identical to that found in *S. semivirens* except that the largest and innermost seta is lost in the illustrated specimen. The name *D. miricornis* is therefore a **syn. nov.** of *S. semivirens*.

missilus CHAUDHURI & SOM, 1999, **PARACRICOTOPUS**: The correct year of the description of *P. missilus* is 1999 and not 1998 – see note on Chaudhuri & Som (1999) in the Bibliography.

mitis CURRAN, 1930, **Nomina dubia in TANYTARSINI**: The taxon was originally described as *Metriocnemus mitis* in the Orthoclaadiinae but Sublette (1966: *Journal of the Kansas Entomological Society* **39**(1): 30), after a re-examination of the female type, treated it as a nomen dubium in *Tanytarsus* Wulp but we regard it as nomen dubium in Tanytarsini (Subfamily Chironominae). The species is missing from the Nearctic Catalog (Oliver, Dillon & Cranston 1990). Complete data on this name will be included in Part 3 of the World Catalogue.

mixtus (HOLMGREN, 1869), **Nomina dubia probably in ORTHOCLADIUS (ORTHOCLADIUS)**: According to Cranston (1999: 293), based on a re-

examination of the female holotype, it does not belong in *Orthocladius* (*Eudactylocladius*) but is probably an undetermined species of *Orthocladius* (*Orthocladius*).

montana SÆTHER, 1968, synonym of **DIPLOCLADIUS cultriger** KIEFFER, 1908: The name *montana* Sæther is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

montana (STRENZKE, 1950), **HYDROSMITTIA**: In Sæther & Ferrington (2003: 5) *montana* was elevated to a full species from its previous status as a subspecies of *virgo* Strenzke, 1950. Both species have since been transferred to *Hydrosmittia* (Ferrington & Sæther 2011).

montanus GOETGHEBUER, 1933, synonym of **LIMNOPHYES pentaplastus** (KIEFFER, 1921): The correct year of publication of the paper which includes the description of *montanus* is 1933 and not 1932 – see Bibliography under Goetghebuer (1933).

murgabicus SINYAGINA, 1958, **Nomina dubia in PSECTROCLADIUS**: The name *Psectrocladius murgabicus* is missing from the Palaearctic Catalogue (Ashe & Cranston, 1990).

murodoensis (SASA, 1993), **Nomina dubia in PARAPHAENOCLADIUS**: *Gymnometriocnemus murodoensis*, described based on adult females only, was transferred to *Paraphaenocladus* by Sæther & Wang (1995: 66) who state that it could conceivably be a synonym of *P. penerasus*. Treated here as a nomen dubium in *Paraphaenocladus*.

murphyi SCHAEFFER, 1914, **ERETMOPTERA**: According to Allegrucci *et al.* (2012) preliminary DNA analysis on *E. murphyi* indicates that it may belong in the genus *Belgica* but further work, both molecular and morphological, is required before any formal change in the status of the species can be made.

nagaokensis (TOKUNAGA, 1964), **TVETENIA**: The name *nagaokensis* is included twice in the Palaearctic Catalogue (Ashe & Cranston 1990), on page 207 as a subgenerically unplaced valid species of *Orthocladius* and on page 247 as a

nomen dubium in Orthoclaadiinae. Since then the species has been recognised as a valid species in the genus *Tvetenia* (Yamamoto 2004).

nana SYCHEVA, 1955, **Nomina dubia probably in SMITTIA**: The name *Smittia nana* is missing from the Palearctic Catalogue (Ashe & Cranston, 1990).

nanseni (KIEFFER, 1926), **ALLOCLADIUS**: Kieffer (1926) proposed the name *nanseni* for three different orthoclad species, i.e. *Orthocladus nanseni*, *Psectrocladius nanseni* and *Camptocladus nanseni*. In Sæther, Sublette & Willassen (1984) *Orthocladus nanseni* is treated as a junior synonym of *Orthocladus (Eudactylocladius) gelidorum* (Kieffer, 1923), *Psectrocladius nanseni* became *Prosmittia nanseni* and *Camptocladus nanseni* became *Smittia nanseni*. The data on the three names is accurate in Sæther, Sublette & Willassen (1984) but in some subsequent literature sources the names *Psectrocladius nanseni* and *Camptocladus nanseni* became confused with one another. Most recently, in Ferrington & Sæther (2011: 66), “*Camptocladus nanseni*” is listed as a comb. nov. to *Allocladius* but this is an error and the taxon that should have been transferred is “*Psectrocladius nanseni*” – however the examined type-material is from the correct type-locality for “*Psectrocladius nanseni*”. The name “*Psectrocladius nanseni*” therefore becomes *Allocladius nanseni* **comb. nov.** See note on *Smittia nanseni* (Kieffer, 1926) below.

nanseni (KIEFFER, 1926), **Nomina dubia probably in SMITTIA**: The species *Camptocladus nanseni* was redescribed in *Smittia* by Sæther, Sublette & Willassen (1984: 262-263) but is only known from one male (which lacks the hypopygium) and two females and until more males are discovered to complete the description we treat it here as a nomen dubium in *Smittia*. In the Nearctic Catalog (Oliver, Dillon & Cranston 1990) “*Camptocladus nanseni*” is included twice, firstly and wrongly on page 37 in *Pseudosmittia* and secondly and correctly on page 38 in *Smittia*, but the Nearctic species “*Psectrocladius nanseni* Kieffer” is not included anywhere in their catalog. The name *Psectrocladius nanseni* should have been included on page 37 as a then valid

species of *Pseudosmittia* and this is the same species which now belongs in *Allocladius* – see note on *Allocladius nanseni* (Kieffer, 1926) above.

nanulus WULP, 1875, **Nomina dubia in ORTHOCLADIINAE**: The type-material of *Orthocladus nanulus* Wulp appears to be lost (M. Spies, pers. comm. to P. Ashe). Therefore, and in accordance with Spies (2007: 49), the name is treated as a nomen dubium in Orthoclaadiinae.

nerius (CURRAN, 1930), **COMPTEROSMITTIA**: Originally described as *Camptocladus nerius* but the ending of the species name remains unchanged. The distribution for Australasia and Oceania is queried because the synonymy between *nerius* and *claggi* is questionable. See note on *claggi* (Tokunaga, 1964).

niger (KIEFFER, 1913), **PARACRICOTOPUS**: The name *Cricotopus niger*, now in *Paracricotopus*, was first described by Kieffer (1913: 32) simultaneously with the description of a new variety, i.e. *niger* var. *muscicola*. *Cricotopus niger* was described a second time, as a new species, eight years later in Kieffer (1921: 801).

nigerrimus GOETGHEBUER, 1919, synonym of **TRISSOCLADIUS brevipalpis** KIEFFER, 1908: The name *Trissocladius nigerrimus* was first proposed based on the immature stages in Goetghebuer (1919) before the adult was described in Goetghebuer (1921) – see Spies & Sæther (2004: 10-11).

nigerrimus GOETGHEBUER, 1921, synonym of **TRISSOCLADIUS brevipalpis** KIEFFER, 1908: The description, in a key, begins on page 91 but the species name *nigerrimus* is first mentioned on page 92. Page 92 is therefore considered to be the correct page to cite.

nigra FREEMAN, 1956, synonym of **SMITTIA subnigra** FREEMAN, 1956: See note under *Smittia subnigra* Freeman.

nigripectus (BIGOT, 1888), **Nomina dubia in ORTHOCLADIINAE**: Originally described as *Camptocladus nigripectus* it was included among the nomina dubia in Chironomidae in the Neotropical Catalog (Spies & Reiss 1996: 83) but is included here as a nomen dubium in the Orthoclaadiinae.

nigriventris WULP, 1859, **Nomina dubia in ORTHOCLADIINAE**: The correct year of publication of the first description of *Chironomus nigriventris* Wulp is 1859 and not 1858.

NIKISMITTIA SASA, 1996, synonym of **PSEUDOSMITTIA** EDWARDS, 1932: All four species (*Pseudosmittia itachibifurca* Sasa & Kawai, 1987, *P. amamibifurca* Sasa, 1990, *P. hibarabifurca* Sasa, 1993 and *P. furudobifurca* Sasa & Arakawa, 1994) originally included in the subgenus *Nikismittia* (a nomen nudum because a type-species was not designated) are junior synonyms of *Pseudosmittia mathildae* Albu. Therefore, the name *Nikismittia* is a synonym of *Pseudosmittia* Edwards, 1932, as indicated in Sæther (2006: 24).

nivalis (GOETGHEBUER, 1938), **PARATRICHOCLADIUS**: The status of *P. nivalis* is uncertain as is treated by some authors as a synonym of *P. skirwithensis* and by others as a valid species. It is currently treated as a valid species in Fauna Europaea (Sæther & Spies 2011).

niveiforceps KIEFFER, 1924, **Nomina dubia probably in ORTHOCLADIUS (EUDACTYLOCLADIUS)**: The name *niveiforceps* is included twice in the Palaearctic Catalogue (Ashe & Cranston 1990) firstly and correctly on page 204 as a nomen dubium probably in *Orthocladus (Eudactylocladius)* and secondly and wrongly on page 247 as a nomen dubium in Orthocladiinae.

niveimanus (POTTHAST, 1914), synonym of **CRICOTOPUS (CRICOTOPUS) tremulus** (LINNAEUS, 1758): See note on *Hydrobaenus distylus* (Potthast, 1914).

nivoriundus (JOHANNSEN, 1934), **HYDROBAENUS**: Contrary to Sublette (1967: 504), the name *Orthocladus nivoriundus* is available from Johannsen (1934: 348), where it was proposed for the species described by Johannsen (1905: *Bulletin of the New York State Museum* **86**: 274-275) as “*Orthocladus nivoriundus* Fitch”, a misidentification of *Diamesa nivoriunda* (Fitch). Johannsen's (1934) act did not involve any homonymy between *Chironomus nivoriundus* Fitch (from then on exclusively treated as a diamesine) and *Orthocladus nivoriundus* Johannsen (an orthoclad). Consequently, the replacement of *O. nivoriundus* Johannsen

with *O. (O.) johannseni* by Sublette, 1967 is unnecessary and invalid (Martin Spies pers. comm. to P. Ashe).

noctivagus KIEFFER, 1911, **Nomina dubia in ORTHOCLADIINAE**: The name *Dactylocladius noctivagus* is missing from the Palearctic Catalogue (Ashe & Cranston 1990).

novaesemliae (KIEFFER, 1922), **BRYOPHAENOCLADIUS**: The correct original spelling is *novaesemliae* and not *novosemliae* as given in the Palearctic Catalogue (Ashe & Cranston 1990: 162).

nudipes (GOETGHEBUER, 1921), synonym of **PARATRICHOCLADIUS rufiventris** (MEIGEN, 1830): The description, in a key, begins on page 99 but the species name *nudipes* is first mentioned on page 100 which is therefore considered to be the correct page to cite.

nupharis KIEFFER, 1925, **Nomina dubia in CORYNONEURA**: According to Martin Spies (pers. comm. to P. Ashe) there are probably two German type-localities for *C. nupharis* and the latter may be a junior synonym of *C. celeripes* Winnertz but further investigation is required.

obicola LIPINA, 1949, **Unavailable names in ORTHOCLADIINAE**: The name *obicola* Lipina is missing from the Palearctic Catalogue (Ashe & Cranston, 1990). It was originally included in the Diamesinae by Lipina (1949) but is included here in the Orthoclaadiinae and may belong in the genus *Propsilocerus*.

obumbratus JOHANNSEN, 1905, **ORTHOCLADIUS (ORTHOCLADIUS)**: Published records of this species from Europe are regarded as doubtful and require further investigation because of possible confusion with related species – see comments in Spies & Sæther (2004: 24).

oceanicus (PACKARD, 1869), synonym of **HALOCLADIUS (HALOCLADIUS) variabilis** (STAEGER, 1839): *Chironomus oceanicus* was described simultaneously in two papers by Packard with identical publications dates determined as March 1869 by Caldwell (2009). Caldwell (2009: 208), acting as First Reviser under the Zoological Code, has fixed precedence of the species name to derive from

Packard (1869: *Communications of the Essex Institute* 6: 41-46).

ochraceus WULP, 1859, **Nomina dubia in ORTHOCLADIINAE**: The correct year of publication of the species description of *Chironomus ochraceus* Wulp is 1859 and not 1858.

octomaculatus WÜLKER, 1956, **PSECTROCLADIUS (PSECTROCLADIUS)**: In Wülker (1956) the type-locality for *P. octomaculatus* is not clearly specified but on page 16 it states that the holotype and paratypes are in the Falkau Collection. All the material of *P. octomaculatus* in the Falkau Collection is listed on page 48 and this is the basis of the type-locality data quoted under the species entry.

oligosetus WÜLKER, 1956, **PSECTROCLADIUS (PSECTROCLADIUS)**: In Wülker (1956) the type-locality for *P. oligosetus* is not clearly specified but on page 23 it states that the holotype and paratypes are in the Falkau Collection. All the material of *P. oligosetus* in the Falkau Collection is listed on page 51 and this is the basis of the type-locality data quoted under the species entry.

olivacea (KIEFFER, 1922), **Nomina dubia in SMITTIA**: *Camptocladus olivacea* was first proposed in a key to European *Camptocladus* species by Kieffer (1922).

olivaceus CURE, 1971, **Nomina dubia in ORTHOCLADIINAE**: The name *Trissocladus olivaceus* is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

oppertus (WALKER, 1856), synonym of **PSECTROCLADIUS (ALLOPSECTROCLADIUS) obvius** (WALKER, 1856): The correct page number for *oppertus* is 183 and not 174 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 216).

ORTHOCLADIINAE KIEFFER, 1911: The family-group name Orthoclaadiinae Kieffer, 1911 and other family-group names based on *Orthocladus* Wulp, 1874 have precedence over Eretmopterinae Kellogg, 1900 (based on *Eretmoptera* Kellogg, 1900) and Clunioninae Kieffer, 1906 (based on *Clunio* Haliday, 1855) whenever the respective type-genera are placed in the same family-group taxon (International Commission on Zoological Nomenclature, 2008, Opinion 2206, *Bulletin of Zoological Nomenclature* 65(3): 229-231).

ORTHOCLADIINI KIEFFER, 1911: See note above on Orthocladiinae Kieffer, 1911.

ORTHOCLADIUS WULP, 1874: See note under *Camptocladius* Wulp, 1874.

otujimaculata SASA & OKAZAWA, 1994, **HELENIELLA**: There are two different spellings of the species name in the original description, as *otujimaculata* on page 77 and as *otujisecunda* in the legend for Fig. 9 (Plate 6) on page 86. Yamamoto (2004: 39) has acted as the First Reviser in the sense of the Zoological Code (ICZN 1999, Article 24), thereby fixing *H. otujimaculata* as the valid name.

oxiana PANKRATOVA, 1950, **Nomina dubia in EUKIEFFERIELLA**: The correct original spelling of the name is *oxiana* and not *oxoniana* as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 186).

ozhegovae AKHROROV, 1968, **Nomina dubia in ORTHOCLADIINAE**: The correct year of publication of the name *ozhegovae* is 1968 and not 1967 – see note under Akhrorov (1968) in the Bibliography.

PACHYCLADIUS KIEFFER, 1923, synonym of **CHAETOCLADIUS** KIEFFER, 1911: In Kieffer (1923: 143) *Pachycladius* is described as a subgenus of *Orthocladius*. The original type-species combination is now considered to be *Orthocladius* (*Pachycladius*) *ellipsoidalis* and not just *Pachycladius ellipsoidalis* as given in Ashe (1983: 38) and Ashe & Cranston (1990: 164).

pallidicollis (SANTOS-ABREU, 1918), synonym of **HALOCLADIUS (HALOCLADIUS) millenarius** (SANTOS-ABREU, 1918): The name *pallidicollis*, originally described as one of five varieties of *millenarius*, is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

palpideminutus MAKARCHENKO & MAKARCHENKO, 2002, **NANOCLADIUS (NANOCLADIUS)**: The paper in which *N. (N.) palpideminutus* is described was published in 2002 and not 2001 – see note under Makarchenko, Zorina, Makarchenko & Sergeeva (2002) in the Bibliography.

paludicola (KIEFFER, 1925), **Nomina dubia in PSECTROCLADIUS**: The paper in which *Psectrocladius paludicola* was described by Kieffer was published in 1925 and

not in 1924 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 220).

paluster KIEFFER, 1925, **Nomina dubia in ORTHOCLADIINAE**: The paper in which *Camptocladus paluster* was described by Kieffer was published in 1925 and not in 1924 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 248).

paluster KIEFFER, 1925, **Nomina dubia in ORTHOCLADIINAE**: The paper in which *Orthocladus paluster* was described by Kieffer was published in 1925 and not in 1924 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 248).

PARAKIEFFERIELLA THIENEMANN, 1936: The first use of the name *Parakiefferiella* (in Thienemann, 1936: *Stettiner Entomologische Zeitung* **97**(1): 43) is a nomen nudum and predates the valid *Parakiefferiella* description (in Thienemann, 1936: *Archiv für Hydrobiologie* **30**(2): 198) by a few months.

parataticus (CHERNOVSKII, 1949), synonym of **HETEROTRISSOCLADIUS subpilosus** (KIEFFER, 1911): Since 1975 *paratatica* had been treated as a valid species of *Zalutschia* but has recently been shown to be a junior synonym of *H. subpilosus* by Przhiboro & Sæther (2008).

parimberbus WANG & DU, 2010, **BRYOPHAENOCLADIUS**: The species *B. parimberbus* is known from two Chinese provinces (Henan and Shaanxi) which are bisected by the boundary between the Palaeartic and Oriental Regions (see Fig. 4, China map). The Henan locality is in Palaeartic China whereas the Shaanxi locality is in Oriental China.

parvibarba EDWARDS, 1939, **LAPPOSMITTIA**: The correct original binomen is *Lapposmittia parvibarba* and not *Smittia parvibarba* as given in Ashe (1983: 31).

patagonica BRUNDIN, 1964, **Generically Unplaced Valid ORTHOCLADIINAE**: See note on *Ljungneria* Brundin, 1964.

paucunca (SÆTHER, 1969), **TVETENIA**: See notes on *Tvetenia bavarica* (Goetghebuer) and *Tvetenia calvescens* (Edwards).

- penerasus** (EDWARDS, 1929), **PARAPHAENOCLADIUS**: For *P. penerasus* part of the type-locality data, i.e. “Hertfordshire, Bricket Wood, Yorkshire (England)”, as given in Ashe & Cranston (1990: 212) is incorrect.
- pentachaetus* (KIEFFER, 1923), synonym of **CHAETOCLADIUS (CHAETOCLADIUS)**
perennis (MEIGEN, 1830): The original description of *Dactylocladius pentachaetus* is on page 141 and not on page 62 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 165).
- pentatomus* (KIEFFER, 1915), **Nomina dubia in LIMNOPHYES**: In the Palaearctic Catalogue (Ashe & Cranston 1990: 195) *Limnophyes pentatomus* (Kieffer, 1915) was treated as a valid species and *L. turfaceous* (Kieffer, 1925) as a synonym of the former. Neither name is mentioned in the revision of *Limnophyes* by Sæther (1990) and until their status is resolved both are treated as separate nomina dubia in *Limnophyes*.
- perexilis* (WALKER, 1856), **Nomina dubia in NANOCLADIUS (NANOCLADIUS)**: The description of *Chironomus perexilis* was based on the adult female only and it is therefore treated as a nomen dubium in *Nanocladius (Nanocladius)* until its true status is resolved.
- perfilievi* (CHERNOVSKII, 1939), synonym of **ZALUTSCHIA zalutschicola** LIPINA, 1939: The paper in which *perfilievi* was described was published in 1939 and not 1938 – see note under Chernovskii (1939) in the Bibliography.
- perniger** (ZETTERSTEDT, 1850), **CRICOTOPUS (ISOCLADIUS)**: The description of *C. perniger* begins on page 3524 and not on page 3523 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 178).
- petraeus* KIEFFER, 1919, **Nomina dubia in ORTHOCLADIINAE**: The name *Dactylocladius petraeus* was first described by Kieffer (1919: 117) simultaneously with the description of a new variety, i.e. *D. petraeus* var. *ursinus*.

petrophilus CRANSTON & EDWARD, 1999, **BOTRYOCLADIUS**: For the species *Botryocladius petrophilus* the following text in square brackets “[Olgas]” is part of the original type-locality data.

PHAENOCLADIUS KIEFFER, 1921: *Phaenocladus “foliatus K.”* was designated as the type-species of *Phaenocladus* by Kieffer in Thienemann (1921: 845). The available name referred to there is *Camptocladus foliatus* Kieffer, 1906, but the original description of the latter differs significantly from the diagnosis of “*P. foliatus* (K.)” in Thienemann (1921). With its “narrowly lanceolate” antennal sensilla the species so described by Kieffer (1906) runs to “*P. foliosus*” rather than to “*P. foliatus*” in the key in Thienemann (1921). In the current system (e.g., Moller Pillot 2008), the corresponding sensilla shapes are ascribed to two different *Smittia* species groups. For these reasons, “*P. foliatus*” sensu Kieffer in Thienemann (1921) is considered here as a misidentification of *Camptocladus foliatus* Kieffer, 1906. The former is treated as conspecific with *S. aterrima* (Meigen), the latter as a nomen dubium in *Smittia* (see the respective catalogue entries).

Consequently, the type-species designations for *Phaenocladus* by Kieffer in Thienemann (1921) and for *Euphaenocladus* by Thienemann (1934) are found to constitute cases of misidentified type species in the sense of the ICZN (1999) Code. The respective type-species fixations enacted in the present catalogue part preserve nomenclatural stability by maintaining *Phaenocladus* Kieffer and *Euphaenocladus* Thienemann as objective synonyms due to identical type species, and both names as junior subjective synonyms of *Smittia* Holmgren.

picipes (MEIGEN, 1818), **METRIOCNEMUS** (**METRIOCNEMUS**): The original description of *M. picipes* is on page 52 of Meigen (1818) and not on page 50 as given in the Palearctic Catalogue (Ashe & Cranston 1990: 199).

pictus (FREEMAN, 1959), **STICTOCLADIUS**: The description of *S. pictus* begins on page 416 and not page 417 as given in Cranston & Martin (1989: 263).

- planus** BOOTHROYD, 1990, **CRICOTOPUS (CRICOTOPUS)**: All six named *Cricotopus* species known from New Zealand, including *C. planus* and *C. vincenti*, belong in *Cricotopus* s. str. (Boothroyd, 2002: 776).
- plasensis* STROBL, 1898, **Nomina dubia in ORTHOCLADIINAE**: *Chironomus plasensis* was described twice, firstly in Strobl (1898) and secondly in Strobl (1900), but only the second of these was cited in the Palaearctic Catalogue (Ashe & Cranston 1990: 247) where it was treated as a questionable synonym of *Chironomus minutus* Zetterstedt, 1850. Since *C. minutus* is itself a nomen dubium in the Orthoclaadiinae the questionable synonymy between *C. minutus* and *C. plasensis* is removed.
- plasensis* STROBL, 1900, **Nomina dubia in ORTHOCLADIINAE**: See previous note on *Chironomus plasensis* Strobl, 1898.
- ploenensis* (THIENEMANN, 1933), synonym of **LIMNOPHYES pumilio** (HOLMGREN, 1869): The authorship of the name *ploenensis* is credited to Thienemann and not Kieffer for the reasons given in Spies & Sæther (2004: 23).
- ponticus** MICHAILOVA, 1980, **CLUNIO**: In the Black Sea, *C. ponticus* Michailova (1980) is known from Bulgaria and the Ukraine but whether or not records of *C. marinus* from the coasts of Romania and Russia (Southern European Territory) are misidentifications of *C. ponticus* is unclear.
- porteri* BRÈTHES, 1913, **Nomina dubia in ORTHOCLADIINAE**: The year of publication of the paper describing *Pseudhydrobaenus porteri* is almost certainly 1913 and not 1912 – see note under Brèthes (1913) in the Bibliography.
- postcinctura** (TOKUNAGA, 1964), **CORYNONEURA**: Treated as a valid species of *Corynoneura* in Ferrington & Sæther (2006) and removed from synonymy with *Pseudosmittia maculiventris* Edwards.
- praecox* GOETGHEBUER, 1944, **Nomina dubia in ORTHOCLADIINAE**: The name *Limnophyes praecox* is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

prolongatus KIEFFER, 1916, synonym of **CRICOTOPUS (ISOCLADIUS) trifasciatus** (MEIGEN, 1810): The correct year of description of *prolongatus* is 1916 and not 1915 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 180).

propinquus (BRUNDIN, 1947), **BRYOPHAENOCLADIUS**: See note on *B. inconstans* (Brundin, 1947).

proprius CHAUDHURI & SINHARAY, 1989, **PARAPHAENOCLADIUS**: The paper in which *P. proprius* was described was published in 1989 and not 1987 – see note under Chaudhuri & Sinharay (1989) in the Bibliography.

PROPSILOCERUS KIEFFER, 1923: Preliminary molecular data in Cranston, Hardy & Morse (2012) indicates that *Propsilocerus* should be placed in the Prodiamesinae but no formal change is made here because several primitive basal Orthoclaadiinae genera have not yet been examined and future molecular work may produce different results which might either confirm the current placements or indicate alternative subfamily placements for a number of genera.

PSEUDHYDROBAENUS BRÈTHES, 1913, **Nomina dubia in ORTHOCLADIINAE**: The year of publication of the paper describing *Pseudhydrobaenus* is almost certainly 1913 and not 1912 – see note under Brèthes (1913) in the Bibliography. In the original description of the genus there are two spellings “*Pseudhydrobænus*” and “*Pseudhidrobænus*” but the correct spelling is *Pseudhydrobaenus* since the suffix is based on the existing generic name *Hydrobaenus* Fries.

pseudoictericus SANTOS-ABREU, 1918, **Nomina dubia in ORTHOCLADIINAE**: The correct original spelling of the name is *pseudoictericus* and not *pseudictericus* as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 248).

pseudoligni MAKARCHENKO & MAKARCHENKO, 2002, **CHAETOCLADIUS (CHAETOCLADIUS)**: The paper in which *C. (C.) pseudoligni* was described was published in 2002 and not 2001 – see note under Makarchenko & Makarchenko (2002) in the Bibliography.

pseudopumilio MAKARCHENKO & MAKARCHENKO, 2002, **LIMNOPHYTES**: The

paper in which *L. pseudopumilio* was described was published in 2002 and not 2001 – see note under Makarchenko & Makarchenko (2002) in the Bibliography.

pseudosimilis GOETGHEBUER & TIMON-DAVID, 1939, synonym of **CRICOTOPUS (CRICOTOPUS) vierriensis** GOETGHEBUER, 1935: Authorship of the name must be Goetghebuer & Timon-David because there is no statement in the paper indicating that Goetghebuer is the sole author.

PSEUDOSMITTIA EDWARDS, 1932: Spies & Reiss (1996: 91) have shown that the genus-group name *Pseudosmittia* is a valid available name that is attributable to Edwards (1932: 141) because he described it by inference (reference to Goetghebuer, 1932) and designated an eligible type-species.

pulchellus (MEIGEN, 1830), synonym of **CRICOTOPUS (CRICOTOPUS) triannulatus** (MACQUART, 1826): The name *pulchellus* Meigen was originally described in the genus *Chironomus* and not in the genus *Trichocladus* as erroneously given in the Palaearctic Catalogue (Ashe & Cranston 1990: 176).

punctipennis (GOETGHEBUER, 1919), **LIMNOPHYES**: The designation in Sæther (1990: *Entomologica Scandinavica Supplement* 35: 67) of an adult female as lectotype for *punctipennis* is invalid for the reasons given in Spies & Sæther (2004: 23).

punctipennis (GOETGHEBUER, 1921), synonym of **LIMNOPHYES punctipennis** (GOETGHEBUER, 1919): The description, in a key, begins on page 90 but the name *punctipennis* is first mentioned on page 91. Page 91 is therefore considered to be the correct page to cite.

puripennis KIEFFER, 1922, **Nomina dubia in ORTHOCLADIINAE**: *Camptocladus puripennis* was first proposed in a key to European *Camptocladus* species by Kieffer (1922).

reductus HIRVENOJA, 1973, **CRICOTOPUS (ISOCLADIUS)**. The species *Cricotopus (Isocladius) reductus* is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

- reductus* PANKRATOVA, 1972, **Unavailable names in ORTHOCLADIINAE**: The name *reductus* Pankratova is missing from the Palaeartic Catalogue (Ashe & Cranston 1990).
- remotus* KIEFFER, 1916, questionable synonym of **PSECTROCLADIUS (PSECTROCLADIUS) sordidellus** (ZETTERSTEDT, 1838): The correct year of description of *remotus* is 1916 and not 1915 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 219).
- restricta** BRUNDIN, 1956, **Generically Unplaced Valid ORTHOCLADIINAE**: *Pseudosmittia restricta* Brundin and *Pseudosmittia brundini* Makarchenko & Makarchenko, which may be synonyms or closely related sister species, do not belong in *Pseudosmittia* but most likely deserve a separate genus (Ferrington & Sæther 2011: 15). Until the status of both names is resolved they are treated as valid generically unplaced species of Orthoclaadiinae.
- retezati** (ALBU, 1972), **GEORTHOCLADIUS (GEORTHOCLADIUS)**: The correct original spelling of the species name in Albu (1972: 17) is *retezati* and not *retezat* as given in the Palaeartic Catalogue (Ashe & Cranston, 1990: 208).
- rhabani* (KIEFFER, 1923), questionable synonym of **EUKIEFFERIELLA brevicar** (KIEFFER, 1911): The description of *rhabani* is on page 141 and not on page 162 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 183).
- rhacusensis* STROBL, 1898, **Nomina dubia in ORTHOCLADIINAE**: *Chironomus rhacusensis* was described twice, firstly in Strobl (1898) and secondly in Strobl (1900), but only the second of these was cited in the Palaeartic Catalogue (Ashe & Cranston 1990: 249).
- RHEOCRICOTOPUS** BRUNDIN, 1956: Evenhuis *et al.* (2008, *Zootaxa* 1912: 29) have stated that *Rheocricotopus* in Thienemann & Harnisch (1932) is a nomen nudum due to the lack of a type-species fixation, but that the name is available from and attributable to Brundin (1956: 118), who gave a diagnosis for the genus and designated an eligible type-species. Martin Spies (pers. comm. to P.

Ashe), whom Evenhuis *et al.* had contacted prior to their publication, confirms those facts.

rhithrogenae (ZAVŘEL, 1924), **SYMBIOCLADIUS (SYMBIOCLADIUS)**: The description of *S. rhithrogenae* begins on page 372 and not on page 371 as given in the Palaearctic Catalogue (Ashe & Cranston, 1990: 232). The record of *Symbiocladius* larvae from East Siberia, “Baical Lake region” in Matěna & Soldán (1983: 85), may be referable to *S. rhithrogenae* since the species is known from the adjoining Russian Far East.

rhyacobius KIEFFER, 1911, **ORTHOCLADIUS (ORTHOCLADIUS)**: Records of this species from some European countries are regarded as doubtful and require confirmation. There are also doubtful records from North Africa, the Near East, the East Palaearctic and the Nearctic (Sæther & Spies 2011) which are even more highly suspect and these are not included here in the distribution data because of the problems concerning this and related species (including *O. (O.) rhyacophilus* Kieffer, 1911 and *O. (O.) dispar* Goetghebuer, 1942) which are discussed in detail by Spies & Sæther (2004: 24-26).

rhyacophilus KIEFFER, 1911, **Nomina dubia probably in ORTHOCLADIUS (ORTHOCLADIUS)**: Until the status of *Orthocladius rhyacophilus* is resolved we prefer to treat it as a nomen dubium in (*Orthocladius (Orthocladius)*) because of the problems concerning it and related species which are discussed in detail by Spies & Sæther (2004: 24-26).

rivinus POTTHAST, 1914, **ORTHOCLADIUS (ORTHOCLADIUS)**: See note on *Hydrobaenus distylus* (Potthast, 1914).

rostratus ANDERSEN & MENDES, 2010, **BRYOPHAENOCLADIUS**: The square brackets, around the longitude and latitude, are part of the original type-locality data.

rostratus KIEFFER, 1922, **Nomina dubia in ORTHOCLADIINAE**: The name *Camptocladius rostratus* is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

- ruber** ROBACK, 1960, **Subgenerically unplaced valid species of CRICOTOPUS**: The incorrect original spelling, as *Cricotopus rubrum*, was corrected to *Cricotopus ruber* in Spies & Reiss (1996: 76) based on requirements of Articles 31.2 and 32.3 of the Zoological Code (ICZN 1999).
- rubicundus** (MEIGEN, 1818), **ORTHOCLADIUS (ORTHOCLADIUS)**: In the Palaeartic Catalogue (Ashe & Cranston, 1990: 206) under the type-locality for *O. (O.) rubicundus*, it says “not given (?Aachen)”. However, this is incorrect because in Meigen (1818) the phrase “Nicht selten in Hessen” [= Not rare in Hessen] is used.
- rusticus** GOETGHEBUER, 1932, **CHAETOCLADIUS (CHAETOCLADIUS)**: The name *rusticus* is included twice in the Palaeartic Catalogue (Ashe & Cranston 1990) firstly on page 166 as a nomen dubium probably in *Chaetocladius* and secondly on page 205 as a nomen dubium perhaps in *Orthocladius (Euorthocladius)*. The holotype was redescribed by Sponis (1986) and treated as a valid species of *Chaetocladius*.
- sagittalis* (KIEFFER, 1908), synonym of **ACRICOTOPUS lucens** (ZETTERSTEDT, 1850): In the original description of *sagittalis* the only specified type-locality is “Insel Rügen” and not “Rügen, Halbinsel Jasmund, Küsterkoppel” as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 159) - the latter quoted text is derived from locality data in the lectotype designation.
- sahariensis* KIEFFER, 1926, **Nomina dubia in ORTHOCLADIINAE**: The correct original spelling of the name is *sahariensis* and not *saharensis* as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 249).
- saliniensis* PANKRATOVA, 1959, **Nomina dubia probably in LIMNOPHYES**: The name *L. saliniensis* is missing from the Palaeartic Catalogue (Ashe & Cranston 1990).
- saxicola* KIEFFER, 1916, synonym of **CRICOTOPUS (ISOCLADIUS) sylvestris** (FABRICIUS, 1794): A type-locality is specified and the description of *saxicola* begins on page 511 and not on page 512 as given in the Palaeartic Catalogue

(Ashe & Cranston 1990: 179).

scalpellatus BRUNDIN, 1947, **Nomina dubia in LIMNOPHYES**: *Limnophyes scalpellatus* is treated as a nomen dubium in Sæther (1990: 8) because the type material, believed to be in the Swedish Museum of Natural History (Stockholm), could not be located.

scanicus (BRUNDIN, 1947), **BRYOPHAENOCLADIUS**: See note on *B. inconstans* (Brundin, 1947).

schlienzi WÜLKER, 1956, **PSECTROCLADIUS (PSECTROCLADIUS)**: In Wülker (1956) the type-locality for *P. schlienzi* is not clearly specified but on page 18 it states that the holotype and paratypes are in the Falkau Collection. All the material of *P. schlienzi* in the Falkau Collection is listed on page 49 and this is the basis of the type-locality data quoted under the species entry.

schoschcae MARTYNOVA, 1969, **Unavailable names in ORTHOCLADIINAE**: The correct original spelling of the name is *schoschcae* and not *schoschae* as given in the Palearctic Catalogue (Ashe & Cranston 1990: 253).

scirpicola (KIEFFER, 1924), synonym of **CRICOTOPUS (ISOCLADIUS) intersectus** (STAEGER, 1839): The name *Trichocladius scirpicola* is missing from the Palearctic Catalogue (Ashe & Cranston 1990). However, it is included in Hirvenoja (1973: 312) as a synonym of *Cricotopus (Isocladius) intersectus*.

scottae FREEMAN, 1956, **CRICOTOPUS (CRICOTOPUS)**: The larval pecten epipharyngis of *scottae* consists of three scales of similar size based on the description and drawings in Harrison (1992: 174, Fig. 75). Consequently the species belongs to the subgenus *Cricotopus*.

seitenstettensis (STROBL, 1880), **Nomina dubia in BRILLIA**: The name *seitenstettensis* is included twice in the Palearctic Catalogue (Ashe & Cranston 1990) firstly and correctly on page 161 as a nomen dubium in *Brillia* and secondly and wrongly on page 249 as a nomen dubium in Orthocladiinae.

seonwui REE & JEONG, 2010, **Subgenerically unplaced valid species of ORTHOCLADIUS**: Originally described as *Orthocladius seonwui* but they

indicate placement in the subgenus *Pogonocladus* based on the strongly produced anal lobe of the wing. However, the male hypopygium is atypical for the subgenus and does not resemble that of *O. (P.) consobrinus* (Holmgren) the only species that is definitely assigned to *Pogonocladus*. We therefore prefer to treat it as subgenerically unplaced valid species of *Orthocladus*.

septentrionalis CHERNOVSKII, 1949, **Nomina dubia in LIMNOPHYES**: The description of *Limnophyes septentrionalis*, in a key, begins on page 147 but the species is only formally named on page 148 and the latter is therefore considered to be the correct page to cite.

septentrionalis CHERNOVSKII, 1949, **Nomina dubia in ORTHOCLADIINAE**: The description of *Smittia septentrionalis*, in a key, begins on page 150 but is only formally named on page 151 and the latter is therefore considered to be the correct page to cite.

setiger (KIEFFER, 1908), synonym of **CHAETOCLADIUS (CHAETOCLADIUS) perennis** (MEIGEN, 1830): The name *Dactylocladius setiger* Kieffer was described twice, in 1908 and 1911, but the 1908 description is missing from the Palaeartic Catalogue (Ashe & Cranston 1990).

shadini (PANKRATOVA, 1968), synonym of **EURYCNEMUS crassipes** (MEIGEN, 1810): The description of *shadini* in Pankratova (1968) begins on page 254 and not page 253 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 253).

SHINANOUYUSURIKA SASA & HIRABAYASHI, 1991, synonym of **PROSMITTIA BRUNDIN**, 1956: There are two different spellings of the genus name in the original description, once on page 116 as “*Shinanoyasurika*” and three times as “*Shinanoyusurika*” (twice on page 116, and once on page 119 in the figure legend). The Japanese common name for a chironomid is yusurika and therefore the correct original spelling of the genus name is *Shinanoyusurika*.

sibiricola LIPINA, 1949, **Unavailable names in ORTHOCLADIINAE**: The name *sibiricola* Lipina is missing from the Palaeartic Catalogue (Ashe & Cranston, 1990).

simulans (CHERNOVSKII, 1949), synonym of **ABISKOMYIA virgo** EDWARDS, 1937:

The description of *simulans*, in a key, begins on page 116 but the species is only formally named on page 118 and the latter is therefore considered to be the correct page to cite.

smolandicus BRUNDIN, 1947, **ORTHOCLADIUS (SYMPOSIACLADIUS)**: The type-locality data for *smolandicus*, “Kvarbejs, Möär (Sweden)”, as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 206) is incorrect.

sp.: CRANSTON, BARLEY, LANGLEY (née CHASE), DIEFFENBACHER-KRALL, LONGMUIR, & ZLOTY, 2011, **PROPSILOCERUS**: The only record of an extant population of the genus in the Nearctic is that detailed for Canada (British Columbia). Subfossil larval records are reported from Canada (Yukon Territory) and U.S.A. (Maine) (Cranston *et al.* 2011) but whether or not extant populations still exist in these areas is unknown.

sp.: FITTKAU, 1974, **ICHTHYOCLADIUS**: There is some overlap in the host fish species from localities 1 (Trinidad), 2 (Venezuela, Orinoco) and 3 (Guiana [= Guyana]) detailed in Fittkau (1974: 103 and 105 - Fig. 17) which could indicate that a single *Ichthyocladius* species is involved.

sp.: OSPINA-TORRES, RISS & RUIZ, 1999, **NANOCLADIUS (NANOCLADIUS)**: The figure of the mentum of *Nanocladius* in Ospina-Torres *et al.* (1999: 376, Fig. 10) indicates that the larva belongs in the subgenus *Nanocladius*.

sp.: (ROBACK & COFFMAN, 1983), **OLIVEIRIELLA**: The pupal type described as “Genus 5 sp.” in Roback & Coffman (1983: 48) has been shown by Wiedenbrug & Fittkau (1997) to belong to the genus *Oliveiriella*. A comparison of the pupal description of this species with those of *O. almeidai* and *O. sanjavieri* indicates that the unnamed species from Venezuela represents a different species.

sp.: ROBACK & COFFMAN, 1983, **PARAPHAENOCLADIUS**: The abbreviated locality code data for Bolivia and Peru in Roback & Coffman (1983) is fully detailed in an earlier paper by Roback *et al.* (1980).

sp.: ROBACK & COFFMAN, 1983, **Subgenerically unplaced species of**

RHEOCRICOTOPUS: The abbreviated locality code data for Peru in Roback & Coffman (1983) is fully detailed in an earlier paper by Roback *et al.* (1980).

SPANIOTOMA PHILIPPI, 1866: The year of publication of *Spaniotoma* Philippi is changed from 1865 to 1866 – see note in the Bibliography under Philippi (1866). The reasons for regarding *Spaniotoma* as a nomen dubium are detailed in Ashe (1983: 49).

spatulicornis (KIEFFER, 1913), **CRICOTOPUS (ISOCLADIUS):** The species *spatulicornis* was included in the subgenus *Isocladius* of the genus *Cricotopus* in Bhattacharyay, Ali & Chaudhuri (1991).

sphagnicola (KIEFFER, 1925), **Nomina dubia in PSECTROCLADIUS:** The paper in which *Psectrocladius sphagnicola* was described by Kieffer was published in 1925 and not in 1924 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 220).

sphagnophilus KIEFFER, 1925, **Nomina dubia in ORTHOCLADIINAE:** The paper in which *Camptocladius sphagnophilus* was described by Kieffer was published in 1925 and not in 1924 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 250).

sphagnorum KIEFFER, 1925, **Nomina dubia in ORTHOCLADIINAE:** The paper in which *Trichocladius sphagnorum* was described by Kieffer was published in 1925 and not in 1924 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 250).

spitzbergensis (KIEFFER, 1919), **Nomina dubia probably in ORTHOCLADIUS (EUDACTYLOCLADIUS):** The name was originally described in *Dactylocladius* and not in *Orthocladius* or *Camptocladius*. It was included twice in the Palaeartic Catalogue (Ashe & Cranston 1990) firstly and correctly on page 204 as a nomen dubium in *Orthocladius (Eudactylocladius)* and secondly and wrongly on page 250 as a nomen dubium in Orthoclaadiinae. It was treated as a valid subgenerically unassigned species of *Orthocladius* in the Nearctic Catalog (Oliver *et al.* 1990) but the reason is unclear.

- squamatus* (KIEFFER, 1921), **Nomina dubia in LIMNOPHYES**: The original description begins on page 95 and not page 94 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 196).
- squamiger* (KIEFFER, 1922), **Nomina dubia in LIMNOPHYES**: *Camptocladius squamiger* was first proposed in a key to European *Camptocladius* species by Kieffer (1922).
- squamosus* KIEFFER, 1922, **Nomina dubia in ORTHOCLADIINAE**: *Camptocladius squamosus* was first proposed in a key to European *Camptocladius* species by Kieffer (1922).
- stagnalis* GOETGHEBUER, 1933, **Nomina dubia in ORTHOCLADIINAE**: The correct year of publication of the paper which includes the description of *stagnalis* is 1933 and not 1932 – see Bibliography under Goetghebuer (1933).
- stiliger* KIEFFER & THIENEMANN, 1921, **Nomina dubia probably in ORTHOCLADIINAE**: The authorship of the name must be credited to both Kieffer and Thienemann because the paper contains descriptions of the adult (quoted text from Kieffer) and the immature stages (by Thienemann).
- strandii* LUNDSTRÖM, 1914, **Nomina dubia in ORTHOCLADIINAE**: The correct year of publication of the paper which includes the description of *strandii* is 1914 and not 1913 – see note under Lundström (1914) in the Bibliography.
- strenzkei* (GOETGHEBUER, 1943), **Nomina dubia in SMITTIA**: The name *strenzkei* was originally described in *Smittia* (*Pseudosmittia*) and not in *Pseudosmittia* as incorrectly given in Ashe & Cramston (1990: 224). According to Ferrington & Sæther (2011: 14) the type females of *S. strenzkei* are lost and an apparently associated larva indicates placement in *Smittia* where it is now regarded as a nomen dubium.
- stylatus* (KIEFFER, 1924), synonym of **PARAMETRIOCNEMUS stylatus** (SPÄRCK, 1923): See note on *stylatus* (Spärck, 1923).
- stylatus** (SPÄRCK, 1923), **PARAMETRIOCNEMUS**: The use of the name *Metriocnemus stylatus* in Spärck (1923) when describing the immature stages constitutes a

valid description with Spärck as the author of the name – see Spies & Sæther (2004: 10-11). The adult of *Metriocnemus stylatus* was described as a new species by Kieffer (1924). The separate descriptions of *Metriocnemus stylatus* by Spärck and by Kieffer are homonyms and synonyms of one another. The only record (Canada, Ontario) of *P. stylatus* from the Nearctic is considered doubtful in Fauna Europaea (Sæther & Spies 2011) and it is therefore excluded from the distribution data.

subaptera GOETGHEBUER, 1934, **Nomina dubia in SMITTIA**: Two examined paratype females confirm that it is a *Smittia* with reduced wings (Ferrington & Sæther 2011: 10) but since the species is only known as adult females it is treated here as a nomen dubium in *Smittia*.

subcoeruleus EDWARDS, 1929, synonym of **CRICOTOPUS (CRICOTOPUS) annulator** GOETGHEBUER, 1927: The correct original spelling is *subcoeruleus* and not *subcoerulescens* as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 171). In addition, *subcoeruleus* was originally described as a variety of “*motitator*” which is a misspelling of *motatrix* Linnaeus, 1758.

subnigra FREEMAN, 1956, **SMITTIA**: Freeman (1956) included *Allocladius niger* Kieffer (1913) in *Smittia*, which then became *Smittia nigra* Kieffer and the latter then had priority over *Smittia nigra* Freeman (1953). Freeman (1956) proposed *Smittia subnigra* as the replacement name for *Smittia nigra* Freeman. Under the Zoological Code the valid name for the species is still *Smittia subnigra* Freeman (synonym *S. nigra* Freeman) irrespective of the fact that *Allocladius niger* Kieffer is no longer in *Smittia*.

subnudicollis (EDWARDS, 1931), **LIMNOPHYES**: The description of *L. subnudicollis* is on page 294 and not page 309 as given in the Neotropical Catalog (Spies & Reiss 1996: 77).

suecica (KIEFFER, 1922), **Nomina dubia in SMITTIA**: The name *Camptocladius suecica* was first proposed in a key to European *Camptocladius* species by Kieffer (1922).

- superans* KIEFFER, 1916, synonym of **CRICOTOPUS (ISOCLADIUS) sylvestris** (FABRICIUS, 1794): A type-locality is specified and the description of *superans* begins on page 537 and not on page 538 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 179).
- sylvestris* GOETGHEBUER, 1921, synonym of **BRILLIA bifida** (KIEFFER, 1909): The description begins on page 81 but the species name *sylvestris* is first mentioned on page 82. Page 82 is therefore considered to be the correct page to cite.
- symbioticus* AKHROROV, 1977, synonym of **PSECTROCLADIUS (PSECTROCLADIUS) barbimanus** (EDWARDS, 1929): The name *P. symbioticus* was described on page 548 and not on page 545 as given in Ashe & Cranston (1990: 217).
- tadshikistanicus* AKHROROV, 1977, synonym of **PSECTROCLADIUS (PSECTROCLADIUS) barbimanus** (EDWARDS, 1929): The name *P. tadshikistanicus* was described on page 544 and not on page 545 as given in Ashe & Cranston (1990: 217).
- takahashii** (TOKUNAGA, 1939), **LOBOSMITTIA**: The species *takahashii* Tokunaga was recently transferred to the genus *Lobosmittia* by Ferrington & Sæther (2011: 15).
- teletzkensis* LIPINA, 1949, **Nomina dubia in ORTHOCLADIINAE**: The correct original spelling of the name is *teletzkensis* and not *teletskensis* as given in the Palaearctic Catalogue (Ashe & Cranston, 1990: 250).
- tenebrosa* GOETGHEBUER, 1943, questionable synonym of **PSEUDOSMITTIA simplex** STRENZKE & THIENEMANN, 1942: The name *tenebrosa* is described on page 109 and not page 108 as given in Ashe & Cranston (1990: 224). Sæther & Ferrington (2003: 5) state that the damaged type is probably a synonym of *P. simplex*.
- tenuinervis* (ANDERSEN, 1937), synonym of **LIMNOPHYES pumilio** (HOLMGREN, 1869): The proposal of the new name *Smittia tenuinervis* Andersen for “*pumilio* var. *tenuinervis* Kieff. 1922” was unnecessary because all Andersen had to do

was elevate the status of *tenuinervis* Kieffer from a variety to that of a full species. The name *Smittia tenuinervis* Andersen is missing from the Nearctic Catalog (Oliver, Dillon & Cranston 1990).

tenuisetosus CHAUDHURI & GHOSH, 1980, **CRICOTOPUS (ISOCLADIUS)**: The species *tenuisetosus* was included in the subgenus *Isocladius* of the genus *Cricotopus* in Bhattacharyay, Ali & Chaudhuri (1991).

terrester PAGAST, THIENEMANN & KRÜGER, 1941, **METRIOCNEMUS (METRIOCNEMUS)**: The authorship of the species *M. (M.) terrester* is not attributed to Pagast alone but to Pagast, Thienemann & Krüger as given in the updated Chironomidae section of the Fauna Europaea website (Sæther & Spies 2011).

terrestris (KRÜGER, THIENEMANN & GOETGHEBUER, 1941), **GYMNOMETRIOCNEMUS (GYMNOMETRIOCNEMUS)**: The authorship of the species is now credited to Krüger, Thienemann & Goetghebuer (Martin Spies pers. comm. to P. Ashe).

terrestris (THIENEMANN & STRENZKE, 1941), **SMITTIA**: The description of the larva and pupa in Thienemann & Strenzke (1941: 251, sub *Euphaenocladus (Smittia) terrestris*) published on the 1 April 1941 predates the adult description in Goetghebuer (1941: 289, sub *Smittia terrestris*) published on the 28 August 1941. Therefore the species name is available from and credited to Thienemann & Strenzke (1941), with their specimens constituting most (or possibly all) of the type material. The type material of Thienemann and Strenzke is a mixed series and includes representatives of at least two species in at least two genera, one is *Smittia terrestris* and the second is *Parasmittia carinata* Strenzke. To avoid nomenclatural confusion only those specimens which are referable to *Smittia* (and *S. terrestris*) should be considered as candidates for eventual lectotype designation - the specimens of *P. carinata* should be excluded from consideration. A lectotype designation, based on Thienemann's and Strenzke's material of *S. terrestris*, should be avoided until such time as a comprehensive revision of this particular

case is undertaken which provides sufficient taxonomic information on the type series to ensure that the most appropriate specimen is selected to justify fixing it as the sole name-bearing type (Martin Spies pers. comm. to P. Ashe). The most recent examination of two female specimens of *S. terrestris* Goetghebuer, within the same Goetghebuer preparation, by Ferrington & Sæther (2011) supports probable placement in *Smittia* but they indicate that the species may deserve a separate genus. It is possible that these two adult females, described by Goetghebuer (1941, 1943), were reared and may be associated with pupal exuviae in Thienemann's and Strenzke's type material.

tetrasema KIEFFER, 1922, **Nomina dubia in ORTHOCLADIINAE**: In the second description in Kieffer (1922) the name is mentioned in the introduction on page 26 as "*C. tetrasema* n. sp." and the adult female is keyed, with diagnostic characters, on page 33.

thalassobia GOETGHEBUER, 1937, synonym of **SMITTIA thalassicola** GOETGHEBUER, 1943: The name *Smittia thalassobia* was wrongly included as a nomen dubium in the Orthocladiinae in the Palaearctic Catalogue (Ashe & Cranston, 1990: 251) but it should have been listed as a synonym of *Smittia thalassicola*.

thalassophila (BEQUAERT & GOETGHEBUER, 1914), **THALASSOSMITTIA**: The paper in which *thalassophila* was described was published in 1914 and not 1913 – see note in Bibliography under Bequaert & Goetghebuer (1914).

thermicola (TUXEN, 1944), synonym of **CRICOTOPUS (ISOCLADIUS) sylvestris** (FABRICIUS, 1794): The form *thermicola* was described in the genus *Eucricotopus* and not *Cricotopus* as given in the Palaearctic Catalogue (Ashe & Cranston, 1990: 179). Several other localities are mentioned in Tuxen (1944) but only those which relate to the form *thermicola* are listed in the type-localities.

tiltinshi PANKRATOVA, 1959, **Unavailable names in ORTHOCLADIINAE**: The name *tiltinshi* is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

- timoni* GOETGHEBUER & TIMON-DAVID, 1939, **Nomina dubia in ORTHOCLADIINAE**: The name *Orthocladus timoni* is described on page 69 and not on page 68 as given in the Palearctic Catalogue (Ashe & Cranston 1990: 251). Authorship of the name must be Goetghebuer & Timon-David because there is no statement in the paper indicating that Goetghebuer is the sole author.
- tobaunvicesima* KIKUCHI & SASA, 1990, synonym of **PSEUDOSMITTIA guineensis** (KIEFFER, 1918): The name *tobaunvicesima* (a synonym of *P. guineensis*), is spelt correctly in Ferrington & Sæther (2011) on pages 12, 16 and 158 but incorrectly as *tobaundecima* on page 155.
- tokunagai** HIRVENOJA, 1973, **CRICOTOPUS (CRICOTOPUS)**: The correct original spelling is *tokunagai* and not *tokunagaia* as given in the Palearctic Catalogue (Ashe & Cranston 1990: 181).
- tornetraeskensis** (EDWARDS & THIENEMANN in THIENEMANN, 1941), **ZALUTSCHIA**: Spies & Sæther (2004: 29) selected *tornetraeskensis* as the correct original spelling, in order to stabilize nomenclature, with *Trissocladius tornetraeskensis* being the correct original binominal combination. In the Palearctic Catalogue (Ashe & Cranston 1990: 238) the authorship (Edwards), original genus (*Orthocladus*) and species spelling (*tornetraskensis*) are incorrect for the reasons given in Spies & Sæther (2004: 29).
- transcaucasicus* CHERNOVSKII, 1949, **Nomina dubia in ORTHOCLADIINAE**: The type-locality data is derived from the label on the slide of the type specimen (Dr Andrey Przhiboro pers. comm to P. Ashe). The name *Limnophyes transcaucasicus* is missing from the Palearctic Catalogue (Ashe & Cranston, 1990).
- triangulifer* (SPÄRCK, 1923), synonym of **Heterotrissocladus marcidus** (WALKER, 1856): The use of the name *Metriocnemus triangulifer* in Spärck (1923) when describing the immature stages constitutes a valid description with Spärck as the author of the name – see Spies & Sæther (2004: 10-11). The adult of

Metriocnemus triangulifer was described as a new species by Kieffer (1924). The separate descriptions of *Metriocnemus triangulifer* by Spärck and by Kieffer are homonyms and synonyms of one another.

triangulifer (KIEFFER, 1924), synonym of **Heterotrissocladus marcidus** (WALKER, 1856): See previous note on *triangulifer* (Spärck, 1923).

triannulatus (MACQUART, 1826), **CRICOTOPUS (CRICOTOPUS)**: In Goetghebuer (1921: 171) the use of “n. sp.” after the name *Cricotopus triannulatus* is an error and instead the name Macquart should have been inserted.

triappendiculata (GOETGHEBUER, 1932), synonym of **PSEUDOSMITTIA forcipata** (GOETGHEBUER, 1921): The description of *triappendiculata* begins on page 217 and the correct volume number is 71 – in the Palaearctic Catalogue (Ashe & Cranston 1990: 224) they were incorrectly given as page 216 and volume 73. In addition, the correct year of publication of the paper which includes the description of *triappendiculata* is 1932 and not 1931 – see Bibliography under Goetghebuer (1932).

trichialis CHAUDHURI & SINHARAY, 1989, synonym of **PARAPHAENOCLADIUS impensus** subsp. **croceus** CHAUDHURI & BHATTACHARYAY, 1989: The paper in which *P. trichialis* was described was published in 1989 and not 1987 – see note under Chaudhuri & Sinharay (1989) in the Bibliography.

TRICHOCLADIUS KIEFFER, 1906, **Nomina dubia in ORTHOCLADIINAE**: *Trichocladus*, with a type-species from Chile, is missing from the Neotropical Catalog of Spies & Reiss (1996).

tridentiger KIEFFER, 1925, **Nomina dubia probably in ORTHOCLADIUS (EUDACTYLOCLADIUS)**: The name *O. tridentiger* is included twice in the Palaearctic Catalogue (Ashe & Cranston 1990) firstly and correctly on page 204 as a nomen dubium probably in *Orthocladus (Eudactylocladius)* and secondly and wrongly on page 251 as a nomen dubium in Orthoclaadiinae.

- trifoliatus* KIEFFER, 1924, **Nomina dubia in ORTHOCLADIINAE**: The name *Camptocladus trifolius*, because the type could not be located, is regarded as a nomen dubium (Sæther & Ferrington 2003: 5).
- trigonus** (GOETGHEBUER, 1950), **BRYOPHAENOCLADIUS**: In the Palaeartic Catalogue (Ashe & Cranston 1990: 197) listed as a nomen dubium in *Limnophyes* but now a valid species in *Bryophaenocladus* in Fauna Europaea (Sæther & Spies 2011).
- trinotatus* KIEFFER, 1922, questionable synonym of **METRIOCNEMUS ursinus** (HOLMGREN, 1869): The name *trinotatus* is described on page 11 and not on page 10 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 200).
- triplex** STRENZKE, 1950, **PSEUDOSMITTIA**: An examination of the type material by Sæther & Ferrington (2003: 5) has shown that *P. triplex* is a valid species and not a synonym of *P. forcipata* (Goetghebuer, 1921) as given in Ashe & Cranston (1990: 223).
- triquetra** (PANKRATOVA, 1970), **PARAKIEFFERIELLA**: The description of the species *P. triquetra* begins on page 206 and not page 106 as given in Ashe & Cranston (1990: 210).
- triquetrius** CHAUDHURI & BHATTACHARYAY, 1989, **PARAMETRIOCNEMUS**: The species *triquetrius* was originally described in *Paraphaenocladus* but was subsequently transferred to *Parametriochnemus* by Sæther & Wang (1995: 65).
- triseta* KIEFFER, 1925, **Nomina dubia in ORTHOCLADIINAE**: The paper in which *Camptocladus triseta* was described by Kieffer was published in 1925 and not in 1924 as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 251).
- tritonus* KIEFFER, 1921, **Nomina dubia in ORTHOCLADIINAE**: The original spelling is *tritonus* and not *tritoma* as given in the Palaeartic Catalogue (Ashe & Cranston 1990: 251).
- truncatocaudatus** (TOKUNAGA, 1939), **LIMNOPHYES**: The species *truncatocaudata* Tokunaga was recently transferred to the genus *Limnophyes* by Ferrington & Sæther (2011: 15).

TSHERNOVSKIELLA ZVEREVA, 1950: In the Palearctic Catalogue (Ashe & Cranston 1990: 239) the spelling is incorrectly given as *Tschernovskiella*.

tshernovskii (PANKRATOVA, 1968), **TVETENIA**: Przhiboro & Sæther (2010) state that Pankratova (1968) did not describe or define the species and misapplied the term 'nomen novum' but by referring to the species diagnosis of Chernovskii (1949) made the name available in accordance with the Code (ICZN 1999: Article 13.1). A full list of all the type material is given in Przhiboro & Sæther (2010).

tsubakuroensis (SASA & OKAZAWA, 1994), **PSEUDORTHOCLADIUS (PSEUDORTHOCLADIUS)**: There are two different spellings of the species name in the original description, as *tubakuroensis* on page 79 and as *tsubakuroensis* in the legend for Fig. 11 (Plate 7) on page 87. Since the species is named after Mount Tsubakuro the correct spelling is *tsubakuroensis*.

tsushimaensis TOKUNAGA, 1933, **CLUNIO**: The taxon *minor* was originally described as a variety of *C. tsushimaensis* based on some differences in the antennae of the adults. When Tokunaga (1935) described the pupa and larva of both he found small differences between *minor* and *tsushimaensis*. Adults from Hawaii were identified as *tsushimaensis* by Tokunaga. Hardy (1960: 153) states that the antennae of the adults from Hawaii best fit *minor* but he does not regard the differences to be of any importance. Until the problem can be investigated further it is best to treat *minor* as a synonym, rather than as a subspecies, of *tsushimaensis*.

turfaceus (KIEFFER, 1925), **Nomina dubia in LIMNOPHYES**: The paper in which *Camptocladius turfaceus* was described by Kieffer was published in 1925 and not in 1924 as given in the Palearctic Catalogue (Ashe & Cranston 1990: 195). See note on *Limnophyes pentatomus* (Kieffer, 1915).

turficola KIEFFER, 1925, **Nomina dubia probably in ORTHOCLADIUS (EUDACTYLOCLADIUS)**: The paper in which *Orthocladius turficola* was described by Kieffer was published in 1925 and not in 1924 as given in the

Palaeartic Catalogue (Ashe & Cranston 1990: 251). In addition, *O. turficola* was included twice in the Palaeartic Catalogue (Ashe & Cranston 1990) firstly and correctly on page 204 as a nomen dubium probably in *Orthocladus* (*Eudactylocladius*) and secondly and wrongly on page 251 as a nomen dubium in Orthocladiinae.

tusimoneoa SASA & SUZUKI, 1999, **TOKUNAGAIA**: There are two different spellings of the species name in the original description, as *tusimolemeus* on page 90 and as *tusimoneous* in the legend for Fig. 18 on page 120. The correct spelling of the species name is *tusimoneous* but since the species is included in *Tokunagaia* the ending must be corrected to *tusimoneoa*.

tusimouveus (SASA & SUZUKI, 1999), **PARAMETRIOCNEMUS**: Although it states in the original description that the species *tusimouveus* was found at four different localities on Tsushima Island these specific localities are not identified.

unicolor PHILIPPI, 1866, **Nomina dubia in ORTHOCLADIINAE**: The year of publication of *Spaniotoma unicolor* Philippi is changed from 1865 to 1866 – see note under Philippi (1866) in the Bibliography.

unicus MAKARCHENKO & MAKARCHENKO, 2002, **CHAETOCLADIUS (CHAETOCLADIUS)**: The paper in which *C. (C.) unicus* was described was published in 2002 and not 2001 – see note under Makarchenko & Makarchenko (2002) in the Bibliography.

unizonatus HARRISON, 1992, **CRICOTOPUS (CRICOTOPUS)**: The larval pecten epipharyngis of *unizonatus* consists of three scales of similar size based on the description and drawings in Harrison (1992: 176, Fig. 85). Consequently the species belongs to the subgenus *Cricotopus*.

ursinus ANDERSEN, 1937, **Nomina dubia in ORTHOCLADIINAE**: The proposal of the new name *Limnophyes ursinus* Andersen for *Dactylocladius petraeus* var. *ursinus* Kieffer was unnecessary because all Andersen had to do was elevate the status of *ursinus* Kieffer from a variety to that of a full species. The name *Limnophyes ursinus* Andersen is missing from the Nearctic Catalog (Oliver,

Dillon & Cranston, 1990).

ursinus (HOLMGREN, 1869), **METRIOCNEMUS (METRIOCNEMUS)**: The original description of the species is on page 39 and not page 30 as incorrectly given in the Palaearctic Catalogue (Ashe & Cranston 1990: 200).

vagans STONE & WIRTH, 1947, **CLUNIO**: Most specimens of *Clunio vagans* were found on coastal sites. However, at one location (Wailua Falls, Wailua River, Kauai Island), about four miles from the sea, adult males (with wingless females attached in copulo) were observed flitting at the water line around spray-drenched boulders where the water ran swiftest in a completely freshwater section of the river. The immature stages were not found at this location but whether or not the adults travel up the river from the coast or breed in the freshwater of the falls is unknown. The first three miles of the river is tidal. If *C. vagans* is proven to breed in freshwater it would represent another case (similar to that found in some Telmatogetoninae) of a predominantly marine genus colonising freshwater.

vagans (THIENEMANN, 1950), synonym of **ORTHOCLADIUS (EUDACTYLOCLADIUS) olivaceus** (KIEFFER, 1911): The following note was prepared by Martin Spies (pers. comm. to P. Ashe). Cranston (1984: 890) considered the name *Eudactylocladius 'vagans'* as available, and proposed a male (at the Institut Royale des Sciences Naturelles de Belgique, Brussels) and the associated pupal exuviae and larval skin (both at the Zoologische Staatssammlung, Munich) as lectotype, apparently interpreting a phrase quoted from Thienemann (1950: 132) as “a statement that purports to give characters differentiating the taxon” (ICZN 1961: Article 13(a)(i); the Code provision in effect at the time of Cranston 1984), i.e. “characters purported to differentiate the taxon” (ICZN 1999: Article 13.1.1). However, the German phrase of Thienemann’s (1950) quoted by Cranston (1984) incorporates *E. 'vagans'* in a grouping with *E. olivaceus*, with identical pupal morphotype, rather than differentiating the former species from the latter. Further evidence for this can

be found in Thienemann (1944: 573), where the pupa of “*E. vagans*” was keyed as inseparable from *E. olivaceus*. Consequently, *Eudactylocladius* ‘*vagans*’ in Thienemann (1944, 1950) is a nomen nudum. The lectotype designation in Cranston (1984), therefore, is invalid.

variiforceps KIEFFER, 1916, questionable synonym of **CRICOTOPUS (ISOCLADIUS) sylvestris** (FABRICIUS, 1794): The correct year of description of *variiforceps* is 1916 and not 1915 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 180).

ventae PANKRATOVA, 1959, **Unavailable names in ORTHOCLADIINAE**: The name *ventae* is missing from the Palaearctic Catalogue (Ashe & Cranston 1990).

vernalis MALLOCH, 1915, **PSECTROCLADIUS (PSECTROCLADIUS)**: The species *vernalis* was originally described in the genus *Psectrocladius* and not in the genus *Orthocladius* as given in the Nearctic Catalog (Oliver, Dillon & Cranston 1990: 35).

veronicae ROSSARO, 1992, **PARATRICHOCLADIUS**: Species described in 1992 and not 1991 – see note under Rossaro (1992) in the Bibliography.

verralli (EDWARDS, 1929), **TVETENIA**: Nearctic records of *T. calvescens* (in Georgia) are considered doubtful and excluded from the distribution data because Epler (2001: Chapter 7, p. 155) indicates that larvae could belong to several different species.

versatilis LINEVICH, 1963, **PSECTROCLADIUS (PSECTROCLADIUS)**: The species description of *P. versatilis* begins on page 35 and not on page 39 as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 221). The species was redescribed, as adult male, pupa and larva, in Zelentzov (1980: 219-222) and is now treated as a valid in *Psectrocladius* (*Psectrocladius*).

verticillatus KIEFFER, 1922, **Nomina dubia in ORTHOCLADIINAE**: The name *Camptocladius verticillatus* was first proposed in a key to European *Camptocladius* species by Kieffer (1922).

vesparum (GOETGHEBUER, 1921), **SMITTIA**: The species *vesparum* was originally

described in the genus *Camptocladius* and not in *Smittia* as incorrectly given in the Palaearctic Catalogue (Ashe & Cranston 1990: 229).

vicana (GOETGHEBUER, 1943), **Nomina dubia in PSEUDOSMITTIA**: Originally described as *Smittia* (*Pseudosmittia*) *vicana* and not in the genus *Pseudosmittia* as incorrectly given in Ashe & Cranston (1990: 224). It has previously been regarded as a valid species of *Pseudosmittia* but Sæther & Ferrington (2003: 5) state that the female holotype could not be found and treat it as a nomen dubium in *Pseudosmittia*.

vincenti BOOTHROYD, 1990, **CRICOTOPUS (CRICOTOPUS)**: All six named *Cricotopus* species known from New Zealand, including *C. planus* and *C. vincenti*, belong in *Cricotopus* s. str. (Boothroyd, 2002: 776).

violaceus SPÄRCK, 1923, synonym of **METRIOCNEMUS (METRIOCNEMUS) eurynotus** (HOLMGREN, 1883): The use of the name *Metriocnemus violaceus* in Spärck (1923) when describing the immature stages constitutes a valid description with Spärck as the author of the name – see Spies & Sæther (2004: 10-11). The adult of *Metriocnemus violaceus* was subsequently described as a new species by Kieffer (1925). The separate descriptions of *Metriocnemus violaceus* by Spärck and by Kieffer are homonyms and synonyms of one another.

violaceus KIEFFER, 1925, synonym of **METRIOCNEMUS (METRIOCNEMUS) eurynotus** (HOLMGREN, 1883): See previous note on *violaceus* (Spärck, 1923).

virginianus PAGGI, 1985, **CLUNIO**: The species *Clunio virginianus* is missing from the Neotropical Catalog of Spies & Reiss (1996).

virgo THIENEMANN & STRENZKE, 1940, synonym of **BRYOPHAENOCLADIUS furcatus** (KIEFFER, 1916): The authorship of *B. virgo* is attributed to Thienemann & Strenzke as given in Sæther & Spies (2011) and not to Thienemann in Thienemann & Strenzke.

vitellinus KIEFFER, 1913, **NANOCLADIUS (NANOCLADIUS)**: The record of *N. (N.)*

vitellinus, an Afrotropical species, from Qinghai Province in Palaeartic China is based on larval specimens. The record is now considered doubtful (Fu & Wang 2009: 1) and is excluded from the distribution data of the species.

vrangelensis MAKARCHENKO & MAKARCHENKO, 2002, **LIMNOPHYES**: The paper in which *L. vrangelensis* was described was published in 2002 and not 2001 – see note under Makarchenko & Makarchenko (2002) in the Bibliography.

vshivkovae MAKARCHENKO & MAKARCHENKO, 2002, **PARAKIEFFERIELLA**: The paper in which *P. vshivkovae* was described was published in 2002 and not 2001 – see note under Makarchenko, Zorina, Makarchenko & Sergeeva (2002) in the Bibliography.

whangaroa (LEADER, 1975), **SEMIOCLADIUS**: In Leader (1975), specific type-locality data for *whangaroa* appears to have been accidentally omitted from the paper. Data for the other two described species is from several seashore sites in Auckland Province on the North Island and presumably the holotype of *whangaroa* is from one of these sites.

willemi GRIPEKOVEN, 1913, synonym of **CRICOTOPUS (ISOCLADIUS) trifasciatus** (MEIGEN, 1810): For the purposes of nomenclature, Griepkoven (1913) and Griepkoven (1914) are separate works. In an addendum (“Nachtrag”) on page 96 of Griepkoven (1913) [and page 224 of Griepkoven (1914)] he states that *C. willemi* is a Kieffer manuscript name but when Kieffer (1910) described the species he instead used the name *C. limnanthemis* and authorship of the name *C. willemi*, based solely on the immature stages, must be credited to Griepkoven. In the same addendum Griepkoven synonymizes *C. willemi* with *C. limnanthemis* which also means that *C. willemi* was first published in synonymy and is a nomen nudum. Griepkoven (1913) did not use an expression such as “n. sp.” or equivalent for *C. willemi* and the identical usage of the same name and text in Griepkoven (1914) does not constitute a separately named taxon and only the first usage, *C. willemi* Griepkoven (1913), is listed. The name *C. willemi* is missing from the Palaeartic Catalogue (Ashe & Cranston, 1990). See

note in the Bibliography under Gripekoven (1913).

yakytriangulata (SASA & SUZUKI, 2000), **RHEOSMITTIA**: The species, originally described as *Parakiefferiella yakytriangulata*, was transferred to *Pseudosmittia* by Yamamoto (2004: 90) but since then it has been tentatively assigned to *Rheosmittia* by Sæther (2006: 24).

yamashioprimus SASA, 1994, synonym of **RHEOCRICOTOPUS (PSILOCRICOTOPUS) chalybeatus** subsp. **chalybeatus** (EDWARDS, 1929): There are two different spellings of the species name in the original description, as *yamasiroprimus* on page 30 and as *yamashioprimus* in the legend for Fig. 4 (Plate 3) on page 57. Since the species is named after the town of Yamashiro the correct spelling is *yamashioprimus*.

yunoquartus SASA, 1984, **PSECTROCLADIUS (PSECTROCLADIUS)**: In the original publication there are three different spellings of the species name, *yunoquartus* (on pages ix, 21-24, 103, 106, 114, 182-185), *yunoguartus* (on page 25) and *yunoduarts* (on page 69). The most frequently used spelling, *yunoquartus*, is the correct spelling.

zavreli FITTKAU, SCHLEE & REISS, 1967, **Nomina dubia probably in SMITTIA**: The correct authorship for the name *Smittia zavreli* is Fittkau, Schlee & Reiss and not “Fittkau *in* Fittkau, Schlee and Reiss” as given in the Palaearctic Catalogue (Ashe & Cranston 1990: 231).

zernovi AKHROROV, 1977, synonym of **PSECTROCLADIUS (PSECTROCLADIUS) barbimanus** (EDWARDS, 1929): The name *P. zernovi* was described on page 547 and not on page 545 as given in Ashe & Cranston (1990: 217).

ABBREVIATIONS USED IN BIBLIOGRAPHY

- No symbol = The actual day/month/year, e.g. [**19 March 1975**], is given if specified in the original publication and not disproven by external evidence. When a specified date of publication is known to be incorrect an explanation is given with the reference. For some references specific dates of publication were not given but in several cases these have been determined by contacting the editor – an explanation is given with the reference in such cases.
- Asterisk Symbol: The library receiving date stamp, e.g. [***18 November 1922**], for a publication or the relevant part of a publication (e.g. issue of a journal or periodical) is taken as the earliest demonstrated date in the absence of more direct evidence. The number of asterisks identifies the relevant library as indicated below:-
- * = Receipt date in the Natural History Museum Library, London.
 - ** = Receipt date in the Smithsonian Institution Library, Washington, D. C. [data from Evenhuis (1989)].
 - *** = Receipt date in the Bishop Museum Library, Honolulu [data from Evenhuis (1989)].
 - **** = Receipt date in the British Library, London.
 - + = The last day of the year, e.g. [**+31 December 1900**], or the last day of the month, e.g. [**+30 June 1962**], is taken as the date of publication if a more precise date than the year, or the month and year, cannot, (a) be determined from the original work, or (b) be taken from other sources.
 - ≤ = The “less than or equals sign” is used to indicate that there is evidence that a particular reference was published “on or before a specified date”, e.g. [**≤21 September 1800**]. The example is from Evenhuis (1997: 530) who indicates that Meigen (1800) was published prior to the 22 September 1800. Therefore the earliest provable date at present is on or before, as the symbol “≤” implies, the 21 September 1800.

BIBLIOGRAPHY

NOTE: Wherever an actual publication date is cited in the Bibliography this refers to the date on which printed copies of the corresponding work were issued. Under the International Code of Zoological Nomenclature, all information likely to affect nomenclature must be published in one of the forms specified in the Code (ICZN 1999: Chapter 3). So far, online or web-based versions of a work are not accepted as published in the sense of the Code. Therefore, any new taxon name or other change to nomenclature proposed in such a work remains unavailable and/or invalid. Invalid proposals of names or nomenclatural acts always generate risks of confusion and instability in subsequent usage, thus should be avoided wherever possible. If such a proposal has been made, e.g. in an online version issued before the printed version of a paper, it should be referred to only if absolutely necessary, and with a clear disclaimer that it constitutes formally invalid data.

A WORLD CATALOGUE OF CHIRONOMIDAE (DIPTERA). PART 2.

- Aagaard, K. (1979) [5 October 1979] *Eukiefferiella sivertseni* n. sp. from Norway (Diptera: Chironomidae). In Sæther, O. A. (ed.). *Recent development in chironomid studies (Diptera: Chironomidae)*. *Entomologica Scandinavica Supplement* **10**: 95-97.
- Aagaard, K., Hoffrichter, O., Spies, M., Daverdin, M. and Ekrem, T. (2012) [4 May 2012] An Online Bibliography of the Chironomidae. NTNU Museum of Natural History and Archaeology, Trondheim, Norway: <http://literature.vm.ntnu.no/Chironomidae/> [This online bibliography was first made available on the 4th May 2012 which is regarded as the date of publication.]
- Akhrorov, F. (1968) [11 April 1968] Novye vidy khironomid (Diptera, Chironomidae) iz ozer Yashil'-Kul' i Bulun-Kul' (Pamir) [New chironomid species (Diptera, Chironomidae) from the lakes Yashil-Kul and Bulun-Kul (Pamir)]. *Doklady Akademii Nauk Tadzhikskoi SSR* **10**(11): 68-70.
[The paper was published in the 11th of 12 parts and has been previously wrongly cited as 1967. In the 11th part, on the reverse of the inner title page, it states that it was "Podpisano k pečati 3/I-1968" [= Passed for publication on the 3rd January 1968]. There is no actual publication date specified in the bound volume or on the issue covers. However, the issue was received by the Zoological Institute in Leningrad (now St Petersburg), on the 11 April 1968, according to the card index of the library (Dr Andrey Przhiboro pers. comm. to P. Ashe), which is currently regarded as the earliest provable date of publication.]
- Akhrorov, F. (1975) [19 March 1975] Novye formy lichinok khironomid (Diptera, Chironomidae) iz Kairak-Kumskogo vodokhranilishcha [New larval forms of chironomids (Diptera, Chironomidae) from the Kairak-Kum Reservoir]. *Gidrobiologicheskii Zhurnal* **11**(2): 66-71.
- Akhrorov, F. (1977) [10 May 1977] Novye vidy roda *Psectrocladius* (Diptera, Chironomidae) s Pamira i ikh metamorfoz. (New species of the genus *Psectrocladius* (Diptera, Chironomidae) from Pamir and their metamorphosis). *Zoologicheskii Zhurnal* **56**(4): 538-549.
[The above issue of the journal was received by the Zoological Institute in Leningrad (now St Petersburg), on the 10 May 1977, according to the card index of the library (Dr Andrey Przhiboro pers. comm. to P. Ashe), which is currently regarded as the earliest provable date of publication.]
- Albrecht, O. (1924) [+31 December 1924] Die Chironomidenlarven des Mittersees bei Lunz (Nieder-Oesterreich). *Verhandlungen der Internationalen Vereinigung für theoretische und angewandte Limnologie* **2**: 183-223.
- Albu, P. (1964) [+31 December 1964] A new species of Chironomidae (Diptera) in the Rumanian fauna: *Cricotopus dobrogicus* n. sp. *Revue Roumaine de Biologie, Série de Zoologie* **9**(5): 307-312.
- Albu, P. (1968) [3 January 1968] *Pseudosmittia mathildae* sp. n. (Diptera, Chironomidae). Pp 4-5. In Palmén, E. (ed.) *The Second International Symposium on Chironomid Research, Helsinki 1967*. *Annales Zoologici Fennici* **5**: 1-158.
- Albu, P. (1970) [*6 April 1970] *Smittia antelobata*, o nouă specie din Familia Chironomidae (Diptera) [*Smittia antelobata*, a new species of the family Chironomidae (Diptera)].

- Studii și Cercetări de Biologie, Série de Zoologie* **22**(2): 101-104.
- Albu, P. (1972) [*15 February 1972] Două specii de chironomide noi pentru știință în Masivul Retezat [Two species of chironomids new to science from the Retezat Mountains]. *Studii și Cercetări de Biologie, Série Biologie animală* **24**(1): 15-20.
- Albu, P. (1974) [+31 December 1974] A new subgenus of the genus *Bryophaenocladus* and two new species (Diptera, Chironomidae). Pp. 9-12. In Brundin, L. (ed.) *Proceedings of the 5th International Symposium on Chironomidae, Abisko, 7-9 August 1973. Entomologisk Tidskrift Supplement* **95**.
- Alexander, C. P. (1981) [31 March 1981] 22. Tanyderidae. Pp. 149-151. In *Manual of Nearctic Diptera*. Volume 1. Agriculture Canada Monograph **27**. 674 pp.
[Publication date is from the Evenhuis 1989 catalog.]
- Allegrucci, G., Carchini, G., Convey, P. and Sbordoni, V. (2012) [+30 June 2012] Evolutionary geographic relationships among orthocladine chironomid midges from maritime Antarctic and sub-Antarctic islands. *Biological Journal of the Linnean Society* **106**(2): 258-274.
- Alverdes, F. (1911) [28 February 1911] *Trichocladus marinus* n. sp., eine neue marine Chironomide aus den norwegischen Skärgeard. *Zeitschrift für Wissenschaftliche Insektenbiologie* **7**(2): 58-63.
- Andersen, F. S. (1937) [28 July 1937] Ueber die Metamorphose der Ceratopogoniden und Chironomiden Nordost-Grönlands. *Meddelelser om Grønland* **116**(1): 1-95.
- Andersen, T. (1997) [*12 March 1997] New species of *Diplosmittia* Sæther, 1981 from Costa Rica (Chironomidae, Orthoclaadiinae). *Acta Zoologica Academiae Scientiarum Hungaricae* **42**(2): 127-132.
[The paper was accepted on the 20th December 1996 but was almost certainly published in 1997 because in other issues in the same volume there is a delay of a few months between acceptance and publication.]
- Andersen, T. and Contreras-Ramos, A. (1999) [15 July 1999] First record of *Antillocladius* Sæther from continental South America (Chironomidae, Orthoclaadiinae). *Acta Zoologica Academiae Scientiarum Hungaricae* **45**(2): 149-154.
- Andersen, T. and Mendes, H. F. (2002) [1 July 2002] Neotropical and Mexican *Mesosmittia* Brundin, with the description of four new species (Insecta, Diptera, Chironomidae). *Spixiana* **25**(2): 141-155.
- Andersen, T. and Mendes, H. F. (2004) [1 October 2004] *Irisobrillia longicosta* Oliver, 1985 (Diptera: Chironomidae: Orthoclaadiinae) taken in south Brazil. *Biota Neotropica* **4**(2): 109-113.
[The pagination of this paper is often given as 1-5 but in the online version of the journal it is given as 109-113.]
- Andersen, T. and Mendes, H. F. (2007) [18 April 2007] Five enigmatic new orthoclad genera from Brazil (Diptera: Chironomidae, Orthoclaadiinae). Pp 17-52. In Andersen, T. (ed.) *Contributions to the systematics and ecology of aquatic Diptera: - a tribute to Ole A. Sæther*. The Caddis Press, Columbus, Ohio.
[According to Prof. Trond Andersen (pers. comm. to P. Ashe) the volume was published on the 18 April 2007.]

- Andersen, T. and Mendes, H. F. (2010) [31 March 2010] Order Diptera, family Chironomidae (with the exception of the tribe Tanytarsini). *Arthropod Fauna of the UAE* **3**: 564-598.
- Andersen, T. and Mendes, H. F. (2012) [12 July 2012] *Miamberea miae* n. gen., n. sp. from southern Brazil (Diptera: Chironomidae, Orthocladiinae). *Biota Neotropica* **12**(1): 105-110.
[The publication of the printed version of volume 12 (part 1) is the 12th July 2012 (Dr Humberto Mendes pers. comm. to P. Ashe.)]
- Andersen, T. and Mendes, H. F. (2012) [12 July 2012] A new species of *Rheocricotopus* Brundin from Mato Grosso, Brazil (Diptera: Chironomidae, Orthocladiinae). *Biota Neotropica* **12**(1): 111-116.
[The publication of the printed version of volume 12 (part 1) is the 12th July 2012 (Dr Humberto Mendes pers. comm. to P. Ashe.)]
- Andersen, T. and Mendes, H. F. (2012) [12 July 2012] *Maximberus maxi* n. gen., n. sp. from southern and southeastern Brazil (Diptera: Chironomidae, Orthocladiinae). *Biota Neotropica* **12**(1): 117-122.
[The publication of the printed version of volume 12 (part 1) is the 12th July 2012 (Dr Humberto Mendes pers. comm. to P. Ashe.)]
- Andersen, T. and Sæther, O. A. (1993) [1 July 1993] *Lerheimia*, a new genus of Orthocladiinae from Africa (Diptera, Chironomidae). *Spixiana* **16**(2): 105-122.
- Andersen, T. and Sæther, O. A. (1994) [29 March 1994] *Colosmittia clavata* gen. n., sp. n., a new orthoclad from the West Usambara Mountains, Tanzania (Diptera: Chironomidae). *Journal of the Kansas Entomological Society* **66**(4): 439-443.
[Published in the last issue (October) for 1993 which was not published until the 29th March 1994.]
- Andersen, T. and Sæther, O. A. (1994) [1 April 1994] *Usambaromyia nigrala* gen. n., sp. n., and Usambaromyiinae, a new subfamily among the Chironomidae (Diptera). *Aquatic Insects* **16**(1): 21-29.
- Andersen, T. and Sæther, O. A. 2005 [26 April 2005] *Onconeura*, a new Neotropical orthoclad genus (Chironomidae, Orthocladiinae). *Zootaxa* **957**: 1-16.
- Andersen, T. and Schnell, Ø. A. (2000) [10 February 2000] New species of *Bryophaenocladus* Thienemann, 1934 from Tanzania, with bare squama (Diptera: Chironomidae). *Aquatic Insects* **22**(1): 48-57.
- Andersen, T. and Wang, X. (1997) [1 July 1997] Darkwinged *Heleniella* Gowin, 1943 from Thailand and China (Insecta, Diptera, Chironomidae, Orthocladiinae). *Spixiana* **20**(2): 151-160.
- Andersen, T., Contreras-Ramos, A. and Spies, M. (2000) [+31 December 2000] Chironomidae (Diptera). Pp 581-591. In Llorente Bousquets, J. E., González Soriano, E. and Papavero, N. (eds): *Biodiversidad, taxonomía y biogeografía de artrópodos de México: hacia una síntesis de su conocimiento* **2**: 581-591. Universidad Nacional Autónoma de México, Mexico City. xvi + 676 pp.

- Andersen, T., Mendes, H. F. and Hagenlund, L.K. (2011) [12 September 2011] A new species of *Colosmittia* Andersen et Sæther from Costa Rica (Chironomidae: Orthocladiinae). *Biota Neotropica* **11**(3): 211-213.
[The printed version of Volume 11 (Issue 3) was published on the 12th September 2012 (Humberto Mendes pers. comm. to P. Ashe).]
- Andersen, T., Mendes, H. F. and Pinho, L.C. (2010) [10 September 2010] Four new species of *Saetherocladius* Andersen et Mendes from Mata Atlântica, Brazil (Diptera: Chironomidae: Orthocladiinae). *Zootaxa* **2608**: 45-56.
- Andersen, T., Mendes, H. F. and Pinho, L.C. (2012) [6 March 2012] A new species of *Saetherocryptus* Andersen et Mendes, 2007 from Brazil (Diptera: Chironomidae, Orthocladiinae). *Biota Neotropica* **11**(4): 73-76.
[The publication of the printed version of volume 11 (part 4) is the 6th March 2012 (Dr Humberto Mendes pers. comm. to P. Ashe.)]
- Andersen, T., Mendes, H. F. and Pinho, L.C. (2012) [4 May 2012] Two new species of *Saetherolabis* Andersen et Mendes, 2007 from Brazil (Diptera: Chironomidae, Orthocladiinae). *Zootaxa* **3300**: 62-68.
- Andersen, T., Sæther, O. A. and Mendes, H. F. (2010) [14 May 2010] Neotropical *Allocladius* Kieffer, 1913 and *Pseudosmittia* Edwards, 1932 (Diptera: Chironomidae). *Zootaxa* **2472**: 1-77.
- Armitage, P. D. (1986) [≤21 April 1986] A new species of the genus *Limnophyes* Eaton from S. E. England (Diptera, Chironomidae). In Fittkau, E. J. (ed.): *Beiträge zur Systematik der Chironomidae, Diptera. Spixiana Supplement* **11**: 139-142.
[Published in 1986 and not on the 30 December 1985 as indicated on the title page. Records in the library of the Zoologische Staatssammlung, Munich, show that Supplement 11 was available for distribution on the 21 April 1986]
- Armitage, P. D. (1986) [1 August 1986] A redescription of male *Eukiefferiella atlantica* Storå (Chironomidae, Diptera) based on type material and recently collected specimens from Tenerife, Canary Islands. *Aquatic Insects* **8**(2): 105-109.
- Armitage, P. D. (1987) [4 March 1987] A new species of the genus *Bryophaenocladus* Thienemann, (Diptera: Chironomidae) from Tenerife, Canary Islands. *Aquatic Insects* **9**(1): 33-38.
- Ashe, P. (1983) [2 December 1983] A catalogue of chironomid genera and subgenera of the world including synonyms (Diptera: Chironomidae). *Entomologica Scandinavica Supplement* **17**: 1-68.
- Ashe, P. (1990) [+31 December 1990] Ecology, zoogeography and diversity of Chironomidae (Diptera) in Sulawesi with some observations relevant to other aquatic insects. Pp 261-268. In Knight, W. J. and Holloway, J. D. (eds) *Insects and the rain forests of South East Asia (Wallacea)*. The Royal Entomological Society of London, London.
- Ashe, P. and Cranston, P. S. (1990) [30 November 1990] Family Chironomidae. Pp 113-355. In Soós, Á. and Papp, L. (eds) *Catalogue of Palaearctic Diptera. Volume 2*. Akadémiai Kiadó, Budapest.
[According to Dr Laszlo Papp (pers. comm. to P. Ashe), the Akadémiai Kiadó (Hungarian) edition of Volume 2 was published on the 30 November 1990. The

Elsevier (Dutch) edition, irrespective of the fact that it says 1991 on the inner title page, was published at the same time as the Hungarian edition and was supplied to Elsevier in Holland, for sale in western countries, by the Akadémiai Kiadó in Hungary.]

Ashe, P. and Murray, D. A. (1980) [≤10 April 1980] *Nostococladius*, a new subgenus of *Cricotopus* (Diptera : Chironomidae). Pp 105-111. In Murray, D. A. (ed.) *Chironomidae - Ecology, Systematics, Cytology and Physiology. Proceedings of the 7th International Symposium on Chironomidae, Dublin, August 1979*. Pergamon Press, Oxford. 354 pp.

[Dr P. Ashe's personal copy of the above symposium volume was received on the 10th April 1980 which is probably the date the consignment of copies from the publisher, for distribution to symposium attendees, arrived in University College Dublin. The above date is currently the earliest provable date of publication.]

Ashe, P. and O'Connor, J. P. (2000) [21 August 2000] *Metriocnemus (Crymaleomyia) brunneri* n. subgen., n. sp., from glacial melt-water in the Karakorum Mountains, Pakistan (Insecta: Diptera: Chironomidae: Orthoclaadiinae). Pp 25-34. In Hoffrichter, O. (ed.) *Late 20th century research on Chironomidae: an anthology from the 13th International Symposium on Chironomidae, Freiburg, 5-9 September 1997*. Shaker Verlag, Aachen. 661pp.

[According to Dr Odwin Hoffrichter (pers. comm. to P. Ashe) the Proceedings from the Freiburg Symposium were published on the 21 August 2000.]

Ashe, P. and O'Connor, J. P. (2002) [31 January 2002] A review of the known associations, commensal, phoretic and ectoparasitic, involving the aquatic stages of Chironomidae (Diptera) and Chironomidae. Pp 467-480. *Proceedings of the 10th International Symposium on Trichoptera. Nova Supplementa Entomologica* 15.

Ashe, P. and O'Connor, J. P. (2007) [18 April 2007] A new genus and species of Orthoclaadiinae (Diptera: Chironomidae) from Sulawesi, Indonesia. Pp 53-59. In Andersen, T. (ed.) *Contributions to the systematics and ecology of aquatic Diptera: - a tribute to Ole A. Sæther*. The Caddis Press, Columbus, Ohio.

[According to Prof. Trond Andersen (pers. comm. to P. Ashe) the volume was published on the 18 April 2007.]

Ashe, P. and O'Connor, J. P. (2009) [30 December 2009] *A World Catalogue of Chironomidae (Diptera). Part 1. Buchonomyiinae, Chilenomyiinae, Podonominae, Aphroteniinae, Tanypodinae, Usambaromyiinae, Diamesinae, Prodiamesinae and Telmatogetoninae*. Irish Biogeographical Society & National Museum of Ireland, Dublin. 445pp.

Ashe, P. and O'Connor, J. P. (2012) [In Press] Additions and corrections to Part 1 of 'A World Catalogue of Chironomidae (Diptera)'. In Ekrem, T., Stur, E and Aagaard, K. (eds): *Proceedings of the 18th International Symposium on Chironomidae, Trondheim, 4-6 July 2011. Fauna Norvegica* 31.

[The above publication is in press but the pagination is not yet known.]

- Ashe, P. and Spies, M. (2011) [10 June 2011] A chronological bibliography, with dates of publication, of J. J. Kieffer's works on Chironomidae (Diptera). Pp 2-14. In Wang, X. and Liu, W. (eds) *Contemporary Chironomid Studies —Proceedings of the 17th International Symposium on Chironomidae (July 6-9, 2009 Nankai University, China)*. Nankai University Press. 412 pp, 18 plates.
[According to Dr Xinhua Wang (pers. comm. to P. Ashe) the proceedings were published on the 10 June 2011.]
- Ashe, P., Murray, D. A. and Reiss, F. (1987) [*15 July 1987] The zoogeographical distribution of Chironomidae (Insecta: Diptera). *Annales de Limnologie* **23**(1): 27-60.
- Azar, D. and Nel, A. (2012) [22 February 2012] Evolution of hematophagy in “non-biting midges” (Diptera: Chironomidae). *Terrestrial Arthropod Reviews* **5**(1): 15-34.
[Printed version of volume **5**(1) was published on the 22 February 2012 (Dr Margarita C. Cuevas Gozalo pers. comm. to P. Ashe).]
- Baranov, V. A. (2011) [31 October 2011] New and rare species of Orthoclaadiinae (Diptera, Chironomidae) from the Crimea, Ukraine. *Vestnik Zoologi* **45**(5): 405-410.
- Barendrecht, G. & Kruseman Jr, G., (1957) [17 April 1957] A propos du centenaire du Tijdschrift voor Entomologie. *Tijdschrift voor Entomologie* **100**: 1-4.
- Barthelmes, D. (1964) [+31 December 1964] Metamorphose und Ökologie der Chironomide *Prosilocerus lusatiensis* n. sp. (Diptera, Nematocera). *Internationale Revue der gesamten Hydrobiologie und Hydrographie* **49**(4): 611-628.
- Becher, E. (1886) [*6 August 1886] Die internationale Polarforschung 1882-1883. Die Oesterreichische Polarstation Jan Mayen ausgerüstet durch seine Excellenz Graf Hanns Wilczek geleitet vom K. K. Corvetten-Capitan Emil Edlen von Wohlgemuth. F. Insekten von Jan Mayen. Gesammelt von Dr. F. Fischer, Arzt der österreichischen Expedition auf Jan Mayen. *Beobachtungs-Ergebnisse / Die Internationale Polarforschung, 1882-1883*, **3**: 59-66.
- Beck Jr., W. M. and Beck, E. C. (1964) [+30 September 1964] New Chironomidae from Florida (Diptera). *Florida Entomologist* **47**(3): 201-207.
- Becker, T. (1908) [+31 July 1908] Dipteren der Kanarischen Inseln. *Mitteilungen aus dem Zoologischen Museum in Berlin* **4**: 1-180.
- Bequaert, M. and Goetghebuer, M. (1914) [2 January 1914] Deux Chironomides marins capturés sur le littoral belge (*Clunio marinus* Haliday et *Camptocladius thalassophilus* nov. spec.). *Annales de la Société Entomologique de Belgique* **57**: 370-377.
[This reference is usually cited as 1913 which is incorrect because “2-I 1914” (for 2 January 1914) is printed on the bottom of pp. 369 and 385 and therefore 1914 is the correct year.]
- Berczik, Á. (1959) [+31 December 1959] Chironomidenlarven aus dem Gebiete des Gran Flusses (Tschechoslowakei). *Annales Universitatis Scientiarum Budapestinensis de Rolando Eötvös Nominatae, Sectio Biologica* **2**: 43-48.
- Bezzi, M. (1913) [5 February 1913] *Clunio adriaticus* Schiner, var. *balearicus* nov. (Diptères.). *Archives de Zoologie Expérimentale et Générale* **51**(4): 501-519.

- Bezzi, M. (1916) [15 April 1916] Sur un genre nouveau de Diptère subaptère des cavités souterraines du Djurdjura. *Bulletin de la Société d'Histoire Naturelle de l'Afrique du Nord* 7: 90-99.
- Bhattacharyay, S. and Chaudhuri, P.K. (1988) [+31 December 1988] *Nanocladius* (*Nanocladius*) *insulatus* sp. nov., a montane orthoclad midge from India (Diptera: Chironomidae). *Burdwan University Science Journal* 4-5: 60-62.
[The bottom of the title page has the wording "Vol. 4-5, 1987-88" which indicates that the paper was not published in 1987. Dr Abhijit Mazumdar (pers. comm to P. Ashe) states that the volume was published in 1988 but the day or month of publication is not specified and until proven otherwise the +31 December 1988 is accepted here as the date of publication.]
- Bhattacharyay, S. and Chaudhuri, P. K. (1990) [30 September 1990] Two Indian species of *Pseudorthocladus* Goetghebuer (Diptera, Chironomidae). *Revista Brasileira de Entomologia* 34(2): 331-335.
- Bhattacharyay, S., Ali, A. and Chaudhuri, P. K. (1991) [+31 December 1991] Orthoclads of tribe Orthoclaadiini (Diptera : Chironomidae) from India. *Beiträge zur Entomologie* 41(2): 333-349.
- Bhattacharyay, S., Chattopadhyay, S. and Chaudhuri, P. K. (1993) [25 March 1993] Four new species of *Chaetocladius* (Diptera, Chironomidae) from India. *European Journal of Entomology* 90(1): 87-94.
- Bhattacharya, S., Dutta, T. K. and Chaudhuri, P. K. (1986) [+31 October 1986] A study on Orthoclaadiinae (Diptera : Chironomidae) in India. Genus *Thienemannia* Kieffer. *Journal of the Bengal Natural History Society* (New Series) 4(1): 40-48.
[The paper appeared in the June 1985 issue which was not published until October 1986 and therefore the publication date is the +31 October 1986.]
- Bigot, J. M. F. (1888) [15 February 1888] Diptères [section v.]. *Mission scientifique du Cap Horn 1882-1883*. Tome VI. Zoologie. Pt 2. Insectes. Gauthier-Villars et Fils, Paris. 45pp., 4 pls.
[Publication date is from Evenhuis (1997: 92).]
- Birula, A. (1934) [+31 December 1934] Über das Vorkommen der Chironomiden-Gattung *Clunio* im Kara-Busen (Südküste des Kara-Meer). *Internationale Revue der gesamten Hydrobiologie und Hydrographie* 31(5/6): 436-439.
- Boesel, M. W. (1983) [15 June 1983] A review of the genus *Cricotopus* in Ohio, with a key to adults of species of the northeastern United States (Diptera, Chironomidae). *Ohio Journal of Science* 83(3): 74-90.
- Boesel, W. M. and Winner, R. W. (1980) [31 July 1980] Corynoneurinae of northeastern United States, with a key to adults and observations on their occurrence in Ohio (Diptera: Chironomidae). *Journal of the Kansas Entomological Society* 53(3): 501-508.
- Boheman, C. H. (1865) [+31 December 1865] Spetsbergens insekt-fauna. *Öfversigt af Kongl. Vetenskaps-Akademiens Förhandlingar* 22: 563-577.
- Boothroyd, I. K. G. (1990) [23 October 1990] Additions to the Chironomidae (Diptera: Insecta) of New Zealand: *Cricotopus* van der Wulp species from a North Island

- stream. *New Zealand Journal of Zoology* **17**(3): 419-436.
- Boothroyd, I. K. G. (1994) [28 September 1994] Description of *Naonella* n. gen. (Diptera: Chironomidae: Orthocladiinae). *New Zealand Journal of Zoology* **21**(3): 309-315.
- Boothroyd, I. K. G. (1999) [13 September 1999] Description of *Kaniwhaniwhanus* gen. n. (Diptera: Chironomidae: Orthocladiinae) from New Zealand. *New Zealand Journal of Marine and Freshwater Research* **33**(3): 341-349.
- Boothroyd, I. K. G. (2002) [14 November 2002] *Cricotopus* and *Paratrichocladus* (Chironomidae: Insecta) in New Zealand, with description of *C. hollyfordensis* n. sp., and redescriptions of adult and immature stages of *C. zealandicus* and *P. pluriserialis*. *New Zealand Journal of Marine and Freshwater Research* **36**(4): 775-788
- Boothroyd, I. K. G. (2005) [+31 January 2005] A new species of *Naonella* Boothroyd (Chironomidae: Orthocladiinae) from New Zealand. *New Zealand Entomologist* **27**: 11-15.
[The paper is in volume 27 (no separate issues) for 2004 which was published in January 2005]
- Boothroyd, I. K. G. and Cranston, P. 1995) [1 January 1995] Two Orthocladiinae (Chironomidae) genera common to New Zealand and Australia: *Pirara* n. gen. and *Eukiefferiella* Thienemann. Pp 389-408. In Cranston, P. S. (ed.) *Chironomids: from genes to ecosystems, Proceedings of the 12th International Symposium on Chironomidae, Canberra, January 23-26, 1994*. CSIRO Australia, East Melbourne.
[According to Dr Peter Cranston (pers. comm. to P. Ashe), the Proceedings from the Canberra Symposium were available for distribution on the 1 January 1995 which is considered to be the actual date of publication.]
- Borkent, A. (2012) [23 July 2012] The pupae of the families of Culicomorpha - morphology and a new phylogenetic tree. *Zootaxa* **3396**: 1-98.
- Botnariuc, N. and Albu, P. (1956) [*31 October 1956] *Prosilocerus danubialis* n.sp. (Diptera, Tendipedidae). *Buletin Ştiinţific Academia Republicii Populare Române* **8**(2): 497-504.
- Botnariuc, N. and Cîndea-Cure, V. (1954) [+31 December 1954] Noi larve de Tendipedidae din R.P.R. (Nouvelles larves de Tendipedidae dans la R epublique Populaire Roumaine). *Buletin Ştiinţific Academia Republicii Populare Române* **6**(4): 1233-1248.
- Botnariuc, N. and Cure, V. (1956) [22 December 1956] Noi larve de Tendipedide g asite  n fauna Republicii Populare Rom ine. *Analele Institutului de Cercetari Piscicole al Romaniei* **17**: 257-271.
- Br ethes, J. (1913) [+31 December 1913] Description d'un nouveau Chironomid e du Chili. *Boletin del Museo Nacional de Chile* **4**(2): 219-220.
[A second (non-chironomid paper) by Br ethes in the same issue as the above paper was sent by him on the 25 December 1912 from Buenos Aires presumably by post to Santiago in Chile and publication on or before the 31 December 1912 is highly improbable. The issue was probably published in the first quarter of 1913 but currently the earliest provable date of publication is the +31 December 1913.]

- Brodin, Y., Lundström, J. O. and Paasivirta, L. (2008) [27 November 2008] *Tavastia yggdrasilia*, a new orthoclad midge (Diptera: Chironomidae) from Europe. *Aquatic Insects* **30**(4): 261-267.
- Brundin, L. (1947) [29 September 1947] Zur Kenntnis der Schwedischen Chironomiden. *Arkiv för Zoologi* **39A**: 1-95.
- Brundin, L. (1949) [+31 December 1949] Chironomiden und andere Bodentiere der südschwedischen Urgebirgsseen. Ein Beitrag zur Kenntnis der bodenfaunistischen Charakterzüge schwedischer oligotropher Seen. *Reports from the Institute of Freshwater Research, Drottningholm* **30**: 1-914.
- Brundin, L. (1956) [*14 May 1956] Zur Systematik der Orthocladiinae (Dipt. Chironomidae). *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 5-185.
- Brundin, L. (1956) [*14 May 1956] Die bodenfaunistischen Seentypen und ihre Anwendbarkeit auf die Südhalbkugel. Zugleich eine Theorie der produktionsbiologischen Bedeutung der glazialen Erosion. *Reports from the Institute of Freshwater Research, Drottningholm* **37**: 186-235.
- Brundin, L. (1962) [15 December 1962] Insects of Macquarie Island. Diptera: Chironomidae. *Pacific Insects* **4**(4): 945-954.
- Brundin, L. (1964) [24 February 1964] Limnic Diptera in their bearings on the problem of transantarctic faunal connections. In Gressitt, J. L. (ed.): *Pacific Basin Biogeography*, pp. 425-434. Bishop Museum, Honolulu.
- Brundin, L. (1966) [+31 December 1966] Transantarctic relationships and their significance, as evidenced by chironomid midges. With a monograph of the subfamilies Podonominae and Aphroteniinae and the austral Heptagytiae. *Kungliga Svenska VetenskapsAkademiens Handlingar* **11**(1): 1-472.
- Brundin, L. (1970) [+30 September 1970] Diptera: Chironomidae of South Georgia. *Pacific Insects Monographs* **23**: 276.
- Brundin, L. (1983) [15 April 1983] *Chilenomyia paradoxa* gen. n., sp. n. and Chilenomyiinae, a new subfamily among the Chironomidae (Diptera). *Entomologica Scandinavica* **14**(1): 33-45.
- Bylrmakers, L. and Sobalvarro, A. I. (1988) [+30 November 1984] Ecological studies on the profundal benthic invertebrate fauna of Lake Managua, Nicaragua. *Tropical Freshwater Biology* **1**(1): 30-41.
- Caldwell, B. A. (1984) [+30 September 1984] Two new species and records of other chironomids from Georgia (Diptera: Chironomidae) with some observations on ecology. *Georgia Journal of Science* **42**(4): 81-96.
- Caldwell, B. A. (1985) [25 November 1985] *Paracricotopus millrockensis*, a new species of Orthocladiinae (Diptera: Chironomidae) from the southeastern United States. *Brimleyana* **11**: 161-168.
- Caldwell, B. A. (1996) [2 August 1996] Two new Nearctic species of small Orthocladiinae (Diptera: Chironomidae) with notes on ecology. *Hydrobiologia* **328**(1): 1-7.
- Caldwell, B. A. (1997) [*22 April 1997] The American *Chaetocladius stamfordi* (Johannsen), a synonym of *C. piger* (Goetghebuer) from the Palaearctic (Diptera: Chironomidae). *Aquatic Insects* **19**(2): 117-122.

[According to the current editor of *Aquatic Insects*, Dr Arnold H. Staniczek (pers. comm. to P. Ashe), no accurate publication dates for issues in volume 19 are available. For issue number 2 the receipt date stamp of the *22 April 1997 in the Natural History Museum Library (London) is currently the earliest provable date of publication.]

- Caldwell, B. A. (2009) [4 June 2009] *Chironomus oceanicus* Packard, 1869, a new junior synonym of *Halocladius variabilis* (Staeger, 1839) (Diptera: Chironomidae). *Boletim do Museu Municipal do Funchal (História Natural)*, Suplemento N.º 13: 207-212.
[The front cover of the supplement volume indicates December 2008 as the publication date but Dr P. Ashe's personal copy was posted from Funchal on the 4 June 2009 which is currently regarded as the earliest provable date of publication.]
- Callisto, M. and Goulart, M. D. C. (2000) [30 September 2000] Phoretic association between *Nanocladius (Plecopteracoluthus)* sp. (Chironomidae: Diptera) and *Thraulodes* sp. (Leptophlebiidae: Ephemeroptera). *Anais da Sociedade Entomológica do Brasil* 29(3): 605-608.
- Casas, J. J. and Vilchez-Quero, A. (1992) [6 March 1992] *Cricotopus (Cricotopus) nevadensis* sp. n. (Diptera, Chironomidae) from Sierra Nevada (southern Spain). *Hydrobiologia* 230(2): 71-78.
- Caspers, H. (1951) [1 April 1951] Biozönotische Untersuchungen über die Strandarthropoden im bulgarischen Küstenbereich des Schwarzen Meeres. (Untersuchungen über die bulgarische Küstentierwelt [3]). *Hydrobiologia* 3(2): 131-193.
- Caspers, N. (1987) [31 August 1987] *Chaetocladius insolitus* n.sp. (Diptera: Chironomidae) from Lunz, Austria. Pp 133-135. In Sæther, O. A. (ed.): *A conspectus of contemporary studies in Chironomidae (Diptera). Contributions from the IXth International Symposium on Chironomidae, Bergen, Norway, 1985. Entomologica Scandinavica Supplement* 29: 1-393.
- Caspers, N. (1987) [22 October 1987] *Rheocricotopus (Psilocricotopus) notabilis* spec. nov. from Portugal (Diptera, Nematocera, Chironomidae). *Aquatic Insects* 9(3): 169-175.
- Caspers, N. (1988) [15 July 1988] Zwei neue *Smittia*-Arten aus dem süddeutschen Raum (Diptera, Chironomidae). In Fittkau, E. J. (ed.): *Festschrift zu Ehren von Lars Brundin. Spixiana Supplement* 14: 175-181.
- Caspers, N. (1990) [10 July 1990] *Pseudosmittia duplicata* sp.nov. und *Pseudosmittia forcipata* (Goetghebuer, 1921) aus China (Diptera, Chironomidae). *Entomofauna* 11(12): 217-225.
- Caspers, N. (1990) [9 April 1990] *Eukiefferiella halvorseni* sp. n. from Kashmir (India) (Diptera, Nematocera, Chironomidae). *Aquatic Insects* 12(1): 27-32.
- Caspers, N. and Reiss, F. (1987) [1 March 1987] Chironomidae des Lunzer Seengebietes in Niederösterreich (Insecta, Diptera, Nematocera). *Spixiana* 10(1): 13-35.
- Caspers, N. and Reiss, F. (1989) [25 May 1989] Die Chironomidae (Diptera, Nematocera) der Türkei. Teil I: Podonominae, Diamesinae, Prodiamesinae, Orthoclaadiinae. *Entomofauna* 10(8): 105-160.
- Caspers, N. and Siebert, M. (1980) [31 July 1980] *Pseudorthoclaadius rectangilobus* sp. n., eine neue Chironomide aus dem Hunsrück (Deutschland) (Diptera: Chironomidae).

- Mitteilungen der Schweizerischen Entomologischen Gesellschaft* **53**(2/3): 181-183.
- Chattopadhyay, S. and Chaudhuri, P. K. (1991) [25 November 1991] *Eukiefferiella oryza* sp. n., an orthoclaadiid midge from the rice paddy of West Bengal (Insecta, Diptera: Chironomidae). *Reichenbachia* **28**(33): 177-179.
- Chaudhuri, P. K. (1988) [6 January 1988] A new name for *Limnophyes montanus* Chaudhuri, Sinharay & Das Gupta (Diptera: Chironomidae) from India. *Aquatic Insects* **9**(4): 228.
- Chaudhuri, P. K. and Bhattacharyay, S. (1989) [10 April 1989] *Indocladius*, a new orthoclaadiid genus from India (Insecta, Diptera: Chironomidae). *Reichenbachia* **26**(29): 169-171.
- Chaudhuri, P. K. and Bhattacharyay, S. (1989) [15 November 1989] Orthoclaids of the genus *Smittia* Holmgren from India (Diptera, Chironomidae). *Deutsche Entomologische Zeitschrift* (Neue Folge) **36**(4/5): 413-420.
- Chaudhuri, P. K. and Ghosh, M. (1980) [8 December 1980] The Orthoclaadiinae (Diptera: Chironomidae) of India. Genus *Cricotopus* van der Wulp. *Aquatic Insects* **2**(3): 147-152.
- Chaudhuri, P. K. and Ghosh, M. (1982) [30 June 1982] Record of *Chaetocladius* Kieffer (Diptera: Chironomidae) from India. *Folia Entomologica Hungarica* **43**(1): 5-7.
- Chaudhuri, P. K. and Ghosh, M. (1982) [15 December 1982] Orthoclaadiid midges of genus *Orthocladius* Van Der Wulp (Diptera, Chironomidae) from Eastern Himalayas. *Annales Zoologici (Warszawa)* **36**(25): 491-500.
- Chaudhuri, P. K. and Ghosh, M. (1985) [15 March 1985] *Cricotopus (Cricotopus) pyrus* sp.n., an orthoclaadiid species from Bhutan (Diptera: Chironomidae). *Aquatic Insects* **7**(1): 45-48.
- Chaudhuri, P. K. and Guha, D. K. (1987) [31 August 1987] A conspectus of chironomid midges (Diptera: Chironomidae) of India and Bhutan. *Entomologica Scandinavica Supplement*. Pp 23-33. In Sæther, O. A. (ed.): *A conspectus of contemporary studies in Chironomidae (Diptera). Contributions from the IXth International Symposium on Chironomidae, Bergen, Norway, 1985. Entomologica Scandinavica Supplement* **29**: 1-393.
- Chaudhuri, P. K. and Nandi, S. K. (1981) [28 March 1981] On a new species of the genus *Allotrissocladius* Freeman (Diptera, Chironomidae) from India. *Journal of the Bombay Natural History Society* **77**(2): 292-294.
[The paper is sometimes cited as 1979 or 1980 and the issue has "AUGUST 1980" on the cover but these dates are inaccurate since it was actually published on the 28 March 1981 – see Pittie (2003: 606)]
- Chaudhuri, P. K. and Sinharay, D. C. (1983) [30 November 1983] A study on Orthoclaadiinae (Diptera, Chironomidae) of India. The genus *Rheocricotopus* Thienemann & Harnisch. *Entomologica Basiliensia* **8**: 398-407.
- Chaudhuri, P. K. and Sinharay, D. C. (1989) [+30 November 1989] A study of Orthoclaadiinae (Diptera, Ceratopogonidae) of India. Part V. Genus *Paraphaenocladius* Thienemann. *Bulletin of Entomology* **28**(2): 95-103.
[This paper appeared in the "December 1987" issue which was not published until

- November 1989 and consequently the paper is usually wrongly cited as 1987. The title of the paper says Ceratopogonidae rather than Chironomidae.]
- Chaudhuri, P. K. and Som, D. K. (1999) [1 February 1999] *Paracricotopus missilus* sp.n., a new orthoclad species from Darjeeling Himalayas of India (Diptera: Chironomidae). *Russian Entomological Journal* 7(1/2): 51-56.
[This paper is usually cited as 1998 which is incorrect because it was published on the 1st February 1999]
- Chaudhuri, P. K., Bhattacharyay, S. and Dutta, T. (1989) [1 June 1989] Adults of orthoclaadiid midges of *Metricnemus* group (Diptera: Chironomidae) from India. *Oriental Insects* 23: 307-327.
- Chaudhuri, P. K., Sinharay, D. C. and Das Gupta, S. K. (1979) [15 August 1979] A study of Orthoclaadiinae (Diptera: Chironomidae) of India, Part II. Genus *Limnophyes* Eaton. *Aquatic Insects* 1(2): 107-134.
- Cheng, L. and Hogue, C. L. (1975) [21 May 1975] New distribution and habitat records of biting midges and mangrove flies from the coasts of Southern Baja California, Mexico (Diptera: Ceratopogonidae, Culicidae, Chironomidae, and Phoridae). *Entomological News* 85(7/8): 211-218.
[This paper is usually wrongly cited as 1974 which is incorrect because it was published on the 21 May 1975.]
- Chernovskii, A. A. (1939) [*24 June 1939] Vertikal'noe raspredelenie zhivotnykh v tolshche ila nekotorykh ozer okrestnostei Leningrada (The vertical distribution of animals in the bottom of some lakes in the vicinity of Leningrad). *Zoologicheskii Zhurnal* 17(6): 1030-1054.
[This paper has been previously wrongly cited as 1938 but was published in 1939. At the bottom of the last page of the 6th part it states "Podp. k pechati 13.II.1939" [= Passed for publication on the 13th February 1939]. There is no actual publication date specified in the bound volume or on the issue covers and the receipt date stamp of the *24 June 1939 in the Natural History Museum Library (London) is currently the earliest provable date of publication.]
- Chernovskii, A. A. (1949) [+31 December 1949] Opredelitel' lichinok komarov semeistva Tendipedidae [Identification of larvae of the midge family Tendipedidae]. *Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* 31: 1-186. Izdatel'stvo Akademii Nauk SSSR, Leningrad.
- Chevrel, R. (1894) [+31 December 1894] Sur un Diptère marin du genre *Clunio* Haliday. *Archives de Zoologie Expérimentale et Générale* (3^e Série) 2(4): 583-598.
- Cîndea, V. (1954) [+31 December 1954] O larvă nouă de tendipedid *Orthocladus* l. *barbata* Cîndea și două tendipedide noi pentru fauna Republicii Populare Romîne (Une nouvelle larve de tendipéde, l'*Orthocladus* l. *barbata* Cîndea et deux tendipédidés nouveaux pour la faune de la République Populaire Roumaine). *Buletin Științific Academia Republicii Populare Române* 6(1): 309-317.
- Claassen, P. W. (1922) [+31 October 1922] The larva of a chironomid (*Trissocladus equitans* n. sp.) which is parasitic upon a may-fly nymph (*Rhithrogena* sp.). *Kansas University Science Bulletin* 14(16): 395-405.

- Cobo, F., Gonzalez, M. and Vieira-Lanero, R. (1995) [+31 December 1995] Notes on some taxonomic problems in the Iberian species of *Brillia* Kieffer, 1913 (Diptera: Chironomidae), with a description of *B. pudorosa* sp. n. *Annales de Limnologie* **31**(4): 245-252.
- Coffman, W. P. and Ferrington Jr, L. C. (1984) [+31 December 1984] Chironomidae. Pp 551-652. In Merritt, R. W. and Cummins, K. W. (eds.): *An Introduction to the Aquatic Insects of North America*, 2nd ed. Kendall/Hunt Publishing Co., Dubuque, Iowa. 722 pp.
- Coffman, W. P. and Roback, S. S. (1984) [28 December 1984] *Lopescladius* (*Cordiella*) *hyporheicus*, a new subgenus and species (Diptera: Chironomidae: Orthocladiinae). *Proceedings of the Academy of Natural Sciences of Philadelphia* **136**: 130-144.
- Coffman, W. P., Yurasits, L. A. and de la Rosa, C. (1988) [15 July 1988] Chironomidae of South India. I. Generic composition, biogeographical relationships and description of two unusual pupal exuviae (Diptera, Chironomidae). Pp 155-165. In Fittkau, E. J. (ed.): *Festschrift zu Ehren von Lars Brundin. Spixiana Supplement* **14**.
- Coquillett, D. W. (1900) [7 December 1900] Papers from the Harriman Alaska Expedition. IX. Entomological results (3): Diptera. *Proceedings of the Washington Academy of Sciences* **2**: 389-464.
- Coquillett, D. W. (1901) [27 March 1901] New Diptera in the U. S. National Museum. *Proceedings of the United States National Museum* **23**: 593-618.
- Coquillett, D. W. (1902) [12 September 1902] New Diptera from North America. *Proceedings of the United States National Museum* **25**: 83-126.
- Coquillett, D. W. (1904) [4 January 1904] Several new Diptera from North America. *Canadian Entomologist* **36**(1): 10-12.
- Coquillett, D. W. (1905) [**5 June 1905] New nematoceros Diptera from North America. *Journal of the New York Entomological Society* **13**(2): 56-69.
- Coquillett, D. W. (1910) [4 August 1910] The type-species of the North American genera of Diptera. *Proceedings of the United States National Museum* **37**: 499-647.
- Craig, D. A. (2003) [+30 November 2003] Geomorphology, development of running water habitats, and evolution of black flies on Polynesian islands. *BioScience* **53**(11): 1079-1093.
- Craig, D. A., Currie, D. C. and Joy, D. A. (2001) [+31 December 2001] Geographical history of the central-western Pacific black fly subgenus *Inseliellum* (Diptera: Simuliidae: *Simulium*) based on a reconstructed phylogeny of the species, hot-spot archipelagoes and hydrological considerations. *Journal of Biogeography* **28**(9): 1101-1127.
- Cranston, P. S. (1979) [2 November 1979] The development stages of *Limnophyes globifer* (Lundström) (Diptera: Chironomidae). *Hydrobiologia* **67**(1): 19-25.
- Cranston, P. S. (1982) [15 December 1982] The metamorphosis of *Symposiocladius lignicola* (Kieffer) n.gen., n.comb., a wood-mining Chironomidae (Diptera). *Entomologica Scandinavica* **13**(4): 419-429.
- Cranston, P. S. (1985) [15 January 1985] The taxonomy and ecology of *Orthocladius* (*Eudactylocladius*) *fuscimanus* (Kieffer), a hygropetric chironomid (Diptera). *Journal of Natural History* **18**(6): 873-895.

- [This paper is usually cited as 1984 but was published on the 15th January 1985 based on Evenhuis, 2003: 60.]
- Cranston, P. S. (1987) [30 November 1987] A non-biting midge (Diptera: Chironomidae) of horticultural significance. *Bulletin of Entomological Research* **77**(4): 661-667.
[The Natural History Museum (London) receipt date for issue 4 is the 10 December 1987 and the publication date is given as "00 November 1987" in the volume contents pages which is evidently an error for the 30 November 1987 based on the fact that the other three issues for 1987 were all received within 12 days or less of the publication date.]
- Cranston, P. S. (1997) [+28 February 1997] Identification guide to the Chironomidae of New South Wales. *AWT Identification Guide Number 1*: 1-375. Australian Water Technologies, West Ryde, New South Wales, Australia.
- Cranston, P. S. (1999) [15 September 1999] Nearctic *Orthocladius* subgenus *Eudactylocladius* revised (Diptera: Chironomidae). Pp 272-295. In Berg, M. B., Ferrington Jr, L. C. and Hayford, B. L. (eds.): *A festschrift honoring Mary and Jim Sublette. Part 1: Taxonomy and systematics of Chironomidae. Journal of the Kansas Entomological Society* **71**(3).
- Cranston, P. S. (2000) [+30 April 2000] *Parapsectrocladius*: a new genus of orthocladiine Chironomidae (Diptera) from Patagonia, the southern Andes. *Insect Systematics and Evolution* **31**(1): 103-120.
- Cranston, P. S. (2000) [1 July 2000] *Austrobrillia* Freeman: immature stages, and new species from the Neotropics (Insecta, Diptera, Chironomidae, Orthocladiinae). In Baehr, M. and Spies, M. (eds): *Contributions to chironomid research in memory of Dr. Friedrich Reiss (Insecta, Diptera). Spixiana* **23**(2): 101-111.
- Cranston, P. S. (2000) [31 December 2000] Three new species of Chironomidae (Diptera) from the Australian Wet Tropics. *Memoirs of the Queensland Museum* **46**(1): 107-128.
- Cranston, P. S. (2001) [+28 February 2001] Validation of *Parapsectrocladius escondido* Cranston & Añón Suárez (Diptera: Chironomidae) by declaration of type depository. *Insect Systematics and Evolution* **31**(4): 440.
- Cranston, P. S. (2007) [1 June 2007] The identity of *Dactylocladius commensalis* (Diptera: Chironomidae) revealed. *Aquatic Insects* **29**(2): 103-114.
- Cranston, P. S. (2009) [1 May 2009] A new genus of trans-Tasman midge: *Anzacladius* gen. n. (Diptera: Chironomidae: Orthocladiinae). *Australian Journal of Entomology* **48**(2): 130-139.
- Cranston, P. S. and Armitage, P. D. (1988) [15 September 1988] The Canary Islands Chironomidae described by T. Becker and by Santos Abreu. *Deutsche Entomologische Zeitschrift (Neue Folge)* **35**(4/5): 341-354.
- Cranston, P. S. and Edward, D. H. D. (1999) [*18 October 1999] *Botryocladius* gen.n.: a new transantarctic genus of orthocladiine midge (Diptera: Chironomidae). *Systematic Entomology* **24**(4): 305-333.
- Cranston, P. S. and Judd, D. D. (1987) [3 December 1987] *Metriocnemus* (Diptera: Chironomidae) — an ecological survey and description of a new species. *Journal of*

- the New York Entomological Society* **95**(4): 534-546.
- Cranston, P. S. and Judd, D. D. (1989) [31 December 1989] Diptera: Fam. Chironomidae of the Arabian Peninsula. *Fauna Saudi Arabia* **10**: 236-289.
- Cranston, P. S. and Krosch, M. (2011) [+28 February 2011] The life-history and relationships of '*Orthocladius*' *pictipennis* Freeman (Diptera: Chironomidae). *New Zealand Entomologist* **34**: 77-81.
- Cranston, P. S. and Krosch, M. N. (2011) [+31 October 2011] *Barbadocladius* Cranston & Krosch, a new genus of Orthocladiinae (Diptera: Chironomidae) from South America. *Neotropical Entomology* **40**(5): 560-567.
- Cranston, P. S. and Martin, J. (1989) [23 August 1989] Family Chironomidae. Pp 252-274, 800. In Evenhuis, N. L. (ed.) *Catalog of the Diptera of the Australasian and Oceanic Regions*. Bishop Museum Press, Honolulu and E. J. Brill, Leiden.
[Date of publication is from Evenhuis (2008: 402).]
- Cranston, P. S. and Oliver, D. R. (1988) [15 July 1988] Aquatic xylophagous Orthocladiinae - systematics and ecology (Diptera, Chironomidae). Pp 143-154. In Fittkau, E. J. (ed.): *Festschrift zu Ehren von Lars Brundin. Spixiana Supplement* **14**.
- Cranston, P. S. and Oliver, D. R. (1988) [+30 May 1988] Additions and corrections to the Nearctic Orthocladiinae (Diptera: Chironomidae). *Canadian Entomologist* **120**(5): 425-462.
- Cranston, P. S. and Sæther, O. A. (1982) [15 March 1982] A redefinition of *Acamptocladius* Brundin, 1956 (syn. *Phycoidella* Sæther, 1971, n. syn.) (Diptera: Chironomidae), with the description of *A. reissi* n.sp. *Entomologica Scandinavica* **13**(1): 25-32.
- Cranston, P. S. and Sæther, O. A. (1986) [14 January 1986] *Rheosmittia* (Diptera: Chironomidae): a generic validation and revision of the western Palaearctic species. *Journal of Natural History* **20**(1): 31-51.
[Publication date is from Evenhuis, 2003: 60]
- Cranston, P. S. and Sæther, O. A. (2010) [+31 May 2010] Australasian *Stictocladius* Edwards (Diptera: Chironomidae) diagnosed and described. *Australian Journal of Entomology* **49**(2): 126-144.
- Cranston, P. S., Benigno, G. M. and Dominguez, M. (2007) [18 April 2007] *Hydrobaenus saetheri* Cranston, new species, an aestivating, winter-emerging chironomid (Diptera: Chironomidae) from California. Pp 73-79. In Andersen, T. (ed.) *Contributions to the systematics and ecology of aquatic Diptera: - a tribute to Ole A. Sæther*. The Caddis Press, Columbus, Ohio.
[According to Prof. Trond Andersen (pers. comm. to P. Ashe) the volume was published on the 18 April 2007.]
- Cranston, P. S., Hardy, N. B. and Morse, G. E. (2012) [12 January 2012] A dated molecular phylogeny for the Chironomidae (Diptera). *Systematic Entomology* **37**(1): 172-188.
- Cranston, P. S., Oliver, D. R. and Sæther, O. A. (1983) [15 December 1983] The larvae of Orthocladiinae (Diptera: Chironomidae) of the Holarctic region-Keys and diagnoses. Pp 149-291. In Wiederholm, T. (ed.): *Chironomidae of the Holarctic region. Keys and diagnoses. Part 1 - Larvae. Entomologica Scandinavica Supplement* **19**.
- Cranston, P. S., Oliver, D. R. and Sæther, O. A. (1989) [15 October 1989] The adult males of

- Orthoclaadiinae (Diptera: Chironomidae) of the Holarctic region - Keys and diagnoses. Pp 165-352. In Wiederholm, T. (ed.): *Chironomidae of the Holarctic region. Keys and diagnoses. Part 3 - Adult males. Entomologica Scandinavica Supplement 34*.
- Cranston, P. S., Hardy, N. B., Morse, G. E., Puslednik, L. and McCluen, S. R. (2010) [16 September 2010] When molecules and morphology concur : the 'Gondwanan' midges (Diptera: Chironomidae). *Systematic Entomology* **35**(4): 636-648.
- Cranston, P. S., Barley, E., Langley (née Chase), G. E., Dieffenbacher-Krall, A., Longmuir, A. and Zloty, J. (2011) [16 December 2011] *Prosilocerus* Kieffer (Diptera: Chironomidae) from the Nearctic. *Aquatic Insects* **33**(4): 343-350.
[The publication date of issue 4 (Volume 33) is the 16th December 2011 (Jayne Kay pers. comm. to P. Ashe).]
- Cure, V. (1971) [+31 December 1971] Contribuții la cunoașterea faunei de Chironomide (Diptera) din România [Contributions to the knowledge of the chironomid fauna (Diptera) in Romania]. *Buletinul de Cercetări Piscicole* **30**(3/4): 5-39.
- Curran, C. H. (1928) [+31 December 1928] Insects of Porto Rico and the Virgin Islands. Diptera or two-winged flies. Chironomidae. Pp 10-13. In *Scientific Survey of Porto Rico and the Virgin Islands* **11**(1): 1-118. New York Academy of Science.
- Curran, C. H. (1929) [5 January 1929] New Diptera in the American Museum of Natural History. *American Museum Novitates* **339**: 1-13.
- Curran, C. H. (1930) [14 June 1930] Report on the Diptera collected at the station for the study of insects, Harriman Interstate Park, N. Y. *Bulletin of the American Museum of Natural History* **61**: 21-115.
- Curtis, J. (1825) [1 October 1825] *British entomology; being illustrations and descriptions of the genera of insects found in Great Britain and Ireland: containing coloured figures from nature of the most rare and beautiful species, and in many instances of the plants upon which they are found.* **2**(22): plates 87-90. London. [Publication date is from Evenhuis (1997: 164).]
- De Geer, C. (1776) [+31 December 1776] *Mémoires pour servir à l'histoire des insectes. Tome sixième.* P. Hesselberg, Stockholm. viii + 523pp.
- Delfinado, M. D. and Hardy, D. E. (eds) (1973) [26 June 1973] A catalog of the Diptera of the Oriental Region. Volume 1. Suborder Nematocera. University of Hawai'i Press, Honolulu. vii + 618pp.
- Dendy, J. S. and Sublette, J. E. (1959) [15 September 1959] The Chironomidae (= Tendipedidae: Diptera) of Alabama with descriptions of six new species. *Annals of the Entomological Society of America* **52**: 506-519.
- Dettinger-Klemm, P.-M. A. (2001) [20 April 2001] The metamorphosis of *Orthocladus* (*Symposiocladius*) *holsatus* Goetghebuer, 1937, with the description of *Orthocladus* (*Symposiocladius*) *lunzensis* sp. n. (Diptera: Chironomidae). *Aquatic Insects* **23**(1): 45-62.
- Dimitrov, M. (1963) [+31 December 1963] Prinos kum izuchavaneto na khironomidnata fauna (larvae) na Bulgariya [Beitrag zur Erforschung der Chironomidenfauna

- (Larvae) Bulgariens]. *Izvestiya na opitnata Stantsiya po sladkovodno Ribarstvo Plovdiv* **2**: 5-24.
- Donato, M. (2011) [28 April 2011] A new species of the genus *Mesosmittia* Brundin, 1956 (Diptera: Chironomidae) from the Neotropics with a cladistic analysis of the genus using quantitative characters. *Zootaxa* **2836**: 51-61.
- Donato, M. (2011) [21 December 2011] A new species of *Bryophaenocladus* (Diptera: Chironomidae) from Argentina. *Revista de la Sociedad Entomologica Argentina* **70**(3/4): 207-212.
- Donato, M. and Paggi, A. C. (2005) [16 September 2005] A new Neotropical species of the genus *Metriocnemus* van der Wulp (Chironomidae: Orthoclaadiinae) from *Eryngium* L. (Apiaceae) phytotelmata. *Zootaxa* **1050**: 1-14.
- Donato, M. and Siri, A. (2010) [*18 March 2010] A new species of *Metriocnemus* van der Wulp (Diptera: Chironomidae) with a tentative phylogeny of the genus. *Neotropical Entomology* **39**(1): 50-60.
- Dorier, A. (1926) [8 November 1926] Sur le commensalisme de la larve de *Dactylocladius brevipalpis* Goetghebuer (Chironomide). *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **183**(19): 809-811.
- Dorier, A. (1927) [*31 December 1927] Un Chironomide (*Dactylocladius brevipalpis* Goetghebuer) à larve commensale d'une nymphe d'Ephéméride (*Rhithrogena semicolorata* Curt.). *Travaux du Laboratoire d'Hydrobiologie et de Pisciculture de l'Université de Grenoble* **11**: 63-72.
- Dorvillé, L. F. M., Nessimian, J. L. and Sanseverino, A. M. (2000) [+31 August 2000] First record of symphoresy between nymphs of the stonefly *Kempnyia tijucana*, and chironomid larvae, *Nanocladius* (*Plecopteracoluthus*) sp., in the Neotropics. *Studies on Neotropical Fauna and Environment* **35**(2): 109-114.
- Dowling, C. (1980) [≤10 April 1980] Preliminary investigations on the Chironomidae (Insecta, Diptera) from some lotic environments in Iran. Pp. 131-137. In Murray, D. A. (ed.): *Chironomidae. Ecology, systematics, cytology and physiology. Proceedings of the 7th International Symposium Chironomidae, Dublin, August 1979*. Pergamon Press, Oxford, N. Y., Toronto, Sydney, Frankfurt.
[Dr P. Ashe's personal copy of the above symposium volume was received on the 10th April 1980 which is probably the date the consignment of copies from the publisher, for distribution to symposium attendees, arrived in University College Dublin. The above date is currently the earliest provable date of publication.]
- Dowling, C. and Murray, D. A. (1980) [+31 December 1980] *Zalutschia humphriesae* sp. n., a new species of Orthoclaadiinae (Diptera, Chironomidae) from Ireland. Pp 49-58. In Lellák, J. (ed.) *Proceedings of the 6th International Symposium on Chironomidae, Prague, 17-20 August 1976. Acta Universitatis Carolinae Biologica* **1978**.
- Dratnal, E. (1979) [+30 September 1979] *Eukiefferiella szczensnyi*, sp.n. (Diptera, Chironomidae). *Bulletin de l'Académie Polonaise des Sciences, Série des Sciences Biologiques* **27**(3): 183-193.

- Du, J. and Wang, X. (2010) [+31 October 2010] Three new species of *Bryophaenocladius* Thienemann, from Oriental China, with inconspicuous inferior volsella (Diptera, Chironomidae). *Acta Zootaxonomica Sinica* **35**(4): 750-755.
- Du, J., Wang, X. and Sæther, O. A. (2011) [18 January 2011] Redescriptions of species of *Bryophaenocladius* Thienemann, 1934 (Diptera: Chironomidae) described by Brundin (1947). *Zootaxa* **2743**: 40-48.
- Eaton, A. E. (1875) [+31 August 1875] Breves Dipterarum uniusque Lepidopterarum insulae Kerguelensi indigenarum diagnoses. *Entomologist's Monthly Magazine* **12**: 58-61.
- Edwards, F. W. (1919) [1 February 1919] Some parthenogenetic Chironomidae. *Annals and Magazine of Natural History* (9) **3**: 222-228.
[Publication date is from Evenhuis, 2003: 41.]
- Edwards, F. W. (1922) [1 August 1922] Results of the Oxford University Expedition to Spitsbergen, 1921.—No. 14. Diptera Nematocera. *Annals and Magazine of Natural History* (9) **10**: 193-215.
[Publication date is from Evenhuis, 2003: 43.]
- Edwards, F. W. (1923) [*31 August 1923] Diptera Nematocera from Rodriguez Island. *Annals and Magazine of Natural History* (9) **12**: 330-337.
- Edwards, F. W. (1924) [1 July 1924] Results of the Merton College Expedition to Spitsbergen, 1923.—No. 4. Diptera Nematocera. *Annals and Magazine of Natural History* (9) **14**: 162-174.
[Publication date is from Evenhuis, 2003: 43.]
- Edwards, F. W. (1924) [+31 August 1924] Some British species of *Corynoneura* (Diptera-Chironomidae). *Entomologist's Monthly Magazine* **60**: 182-189.
- Edwards, F. W. (1926) [15 September 1926] On marine Chironomidae (Diptera); with descriptions of a new genus and four new species from Samoa. *Proceedings of the Zoological Society of London* **51**: 779-806.
- Edwards, F. W. (1927) [1 July 1927] Diptera Nematocera from the South Pacific collected by the "St. George" Expedition, 1925. *Annals and Magazine of Natural History* (9) **20**: 136-244.
[Publication date is from Evenhuis, 2003: 44]
- Edwards, F. W. (1928) [23 June 1928] Nematocera. *Insects of Samoa* **6**: 23-102.
- Edwards, F. W. (1929) [10 May 1929] Philippine nematoceros Diptera II. *Notulae Entomologicae* **9**(1): 1-14.
- Edwards, F. W. (1929) [31 December 1929] British non-biting midges (Diptera, Chironomidae). *Transactions of the Entomological Society of London* **77**: 279-430.
[The journal did not include the word "Royal" in the title until Volume 81 in 1933 when it became the *Transactions of the Royal Entomological Society of London*.]
- Edwards, F. W. (1931) [28 November 1931] Chironomidae. *Diptera of Patagonia and South Chile* **2**(5): 233-331.
- Edwards, F. W. (1932) [*29 February 1932] Notes on Highland Diptera, with descriptions of six new species. *Scottish Naturalist* **194**: 43-52.
- Edwards, F. W. (1932) [*6 June 1932] Recent literature, Faune de France: 23. Diptères: Chironomidae IV par M. Goetghebuer. Paris (Lechevalier) 1932. *Entomologist* **65**:

140-141.

- Edwards, F. W. (1933) [****3 May 1933] Some Pertshire Diptera. *Scottish Naturalist* **201**: 87-92.
- Edwards, F. W. (1933) [29 July 1933] Mycetophilidae, Culicidae, and Chironomidae and additional records of Simuliidae, from the Marquesas Islands. *Bernice P. Bishop Museum Bulletin* **114**: 85-92.
- Edwards, F. W. (1935) [*30 March 1935] Diptera Nematocera from East Greenland. *Annals and Magazine of Natural History* (10) **15**: 467-473.
- Edwards, F. W. (1937) [1 July 1937] Chironomidae (Diptera) collected by Prof. Aug. Thienemann in Swedish Lapland. *Annals and Magazine of Natural History* (10) **20**: 140-148.
[Publication date is from Evenhuis, 2003: 48.]
- Edwards, F. W., Krüger, F. and Thienemann, A. 1939 [15 September 1939] *Lapposmittia parvibarba* n. sp. Chironomiden aus Lapland. *V. Zoologischer Anzeiger* **127**(9/10): 259-264.
- Enderlein, G. (1912) [27 December 1912] Die Insekten des Antarkto-Archiplatea-Gebietes (Feuerland, Falklands Inseln, Süd-Georgien). *Kunliga Svenska VetenskapsAkademiens Handlingar* **48**(3): 1-170.
- Englund, R. A. (2002) [+30 June 2002] The loss of native biodiversity and continuing nonindigenous species introductions in freshwater, estuarine, and wetland communities of Pearl Harbor, Oahu, Hawaiian Islands. *Estuaries* **25**(3): 418-430.
- Epler, J. H. (1986) [8 August 1986] A novel new Neotropical *Nanocladius* (Diptera: Chironomidae), symphoretic on *Traverella* (Ephemeroptera: Leptophlebiidae). *Florida Entomologist* **69**(2): 319-327.
- Epler, J. H. (2001) [27 September 2001] *Identification Manual for the larval Chironomidae (Diptera) of North and South Carolina. A guide to the taxonomy of the midges of the southeastern United States, including Florida.* North Carolina Department of Environment and Natural Resources, Raleigh, North Carolina, and St. Johns River Water Management District, Palatka, Florida. Special Publication SJ2001-SP13, 526 pp.
- Epler, J. H. (2010) [1 October 2010] A new genus from bromeliads in Florida and Brazil (Diptera: Chironomidae: Orthoclaadiinae). Pp 285-293. In Ferrington Jr, L. C. (ed.) *Proceedings of the XV International Symposium on Chironomidae, St. Paul, Minnesota, 12-14 August 2003.* University of Minnesota, St. Paul, Minnesota.
- Epler, J. H. (2012) [22 June 2012] A brachypterous *Bryophaenocladus* (Diptera: Chironomidae: Orthoclaadiinae) with hypopygium inversum from Heggie's Rock, Georgia, U.S.A. *Zootaxa* **3355**: 51-61.
- Epler, J. H. and de la Rosa, C. L. (1995) [****29 March 1995] *Tempisquitoneura*, a new genus of Neotropical Orthoclaadiinae (Diptera: Chironomidae) symphoretic on *Corydalis* (Megaloptera: Corydalidae). *Journal of the North American Benthological Society* **14**(1): 50-60.

- Epler, J. H., Cuda, J. P. and Center, T. D. (2000) [30 June 2000] Redescription of *Cricotopus lebetis* (Diptera: Chironomidae), a potential biocontrol agent of the aquatic weed *Hydrilla* (Hydrocharitaceae). *Florida Entomologist* **83**(2): 171-180.
- Evenhuis, N. L. (ed.) (1989) [23 August 1989] *Catalog of the Diptera of the Australasian and Oceanic Regions*. Bishop Museum Press, Honolulu and E. J. Brill, Leiden. 1155pp. [Date of publication is from Evenhuis (2008: 402).]
- Evenhuis, N. L. (1989) [9 June 1989] Dating of *Encyclopédie Entomologique* Série B. II. Diptera. *Archives of Natural History* **16**(2): 209-211.
- Evenhuis, N. L. (1994) [29 July 1994] *Catalogue of the Fossil Flies of the World (Insecta: Diptera)*. Backhuys Publishers, Leiden. 600 pp. [Date of publication is from Evenhuis (2008: 402).]
- Evenhuis, N. L. (1997) [10 October 1997] *Literatura taxonomica dipterorum (1758-1930)*. Vol. 1: A-K, 1-426. Vol. 2: L-Z, 427-871. Backhuys Publishers, Leiden. [According to Dr Neal Evenhuis (pers. comm. to P. Ashe) the two volumes were published on the 10 October 1997.]
- Evenhuis, N. L. (2003) [16 December 2003] Publication and dating of the journals forming the *Annals and Magazine of Natural History* and the *Journal of Natural History*. *Zootaxa* **385**: 1-68.
- Evenhuis, N. L. (2008) [29 October 2008] Dates of publication of regional and world Diptera Catalogs. *Studia Dipterologica* **14**(2): 397-403.
- Evenhuis, N. L., Pape, T. and Pont, A. C. (2008) [22 October 2008] The problems of subsequent typification in genus-group names and use of the *Zoological Record*: a study of selected post-1930 Diptera genus-group names without type species designations. *Zootaxa* **1912**: 1-44.
- Fabricius, J. C. (1794) [+31 December 1794] *Entomologia systematica emendata et aucta, secundum classes, ordines, genera, species, adjectis synonymis, locis, descriptionibus*. **4**: 1-472. Hafniae. [Publication date is from Evenhuis (1997: 248).]
- Ferrington Jr, L. C. and Sæther, O. A. (1987) [28 August 1987] Male, female, and pupa of *Oliveridia hugginsi*, n. sp. (Chironomidae: Diptera) from Kansas. *Journal of the Kansas Entomological Society* **60**(3): 451-461.
- Ferrington Jr, L. C. and Sæther, O. A. (1995) [1 January 1995] Afrotropical species of *Parakiefferiella* Thienemann, with a review of species with palpal projections (Diptera: Chironomidae). Pp 360-377. In Cranston, P. S. (ed.), *Chironomids: from genes to ecosystems. Proceedings of the 12th International Symposium on Chironomidae, Canberra, January 23-26, 1994*. CSIRO Australia, East Melbourne. [According to Dr Peter Cranston (pers. comm. to P. Ashe) the Proceedings from the Canberra Symposium were available for distribution on the 1st January 1995 which is considered to be the actual date of publication.]
- Ferrington Jr, L. C. and Sæther, O. A. (1995) [30 January 1995] *Physoneura*, a new genus of Orthoclaadiinae from Patagonia and South Chile (Diptera: Chironomidae). *Aquatic Insects* **17**(1): 57-63.
- Ferrington Jr, L. C. and Sæther, O. A. (2006) [15 December 2006] *Rhagosmittia* and *Trondia*,

- two new genera of Orthoclaadiinae from Oceania and Australia (Diptera: Chironomidae). *Aquatic Insects* **28**(4): 243-250.
- Ferrington Jr, L. C. and Sæther, O. A. (2011) [29 April 2011] A revision of the genera *Pseudosmittia* Edwards, 1932, *Allocladius* Kieffer, 1913, and *Hydrosmittia* gen. n. (Diptera: Chironomidae, Orthoclaadiinae). *Zootaxa* **2849**: 1-314.
- Fittkau, E. J. (1956) [+31 December 1956] *Heterotanytarsus brundini* n. spec. Chironomidenstudien V. *Bericht der Limnologischen Flußstation Freudenthal* **7**: 9-18.
- Fittkau, E. J. (1974) [+31 December 1974] *Ichthyocladus* n.gen., eine neotropische Gattung der Orthoclaadiinae (Chironomidae, Diptera) deren Larven epizoisch auf Welsen (Astroblepidae und Loricariidae) leben. Pp. 91-106. In Brundin, L. (ed.): *Proceedings of the 5th International Symposium on Chironomidae, Abisko, 7-9 August 1973*. *Entomologisk Tidskrift Supplement* **95**.
- Fittkau, E. J. and Lehmann, J. (1970) [*17 September 1970] Revision der Gattung *Microcricotopus* Thien. u. Harn. (Dipt., Chironomidae). *Internationale Revue der gesamten Hydrobiologie und Hydrographie* **55**(3): 391-402.
- Fittkau, E. J., Schlee, D. and Reiss, F. (1967) [*25 April 1967] Chironomidae. Pp 346-381. In Illies, J. (ed.) *Limnofauna Europaea*. G. Fischer, Stuttgart.
- Forsyth, D. J. (1971) [+30 November 1971] Some New Zealand Chironomidae (Diptera). *Journal of the Royal Society of New Zealand* **1**(2): 113-144.
- Frauenfeld, G. (1867) [28 February 1867] Zoologische Miscellen. X. Darin: Schiner: *Corynoneura lemnae* n.sp. *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **16**(4): 961-982.
[According to Dr Neal Evenhuis, for almost all years, the last part of each volume of the journal appeared months into the following year. This Frauenfeld reference in Chironomidae has always been previously cited as 1866. However, current research by Dr Neal Evenhuis (unpublished data), clearly shows that the 4th part (Heft) which includes Frauenfeld's paper has a date of receipt at the Akademie Wissenschaften Wien of the 28 February 1867 which is currently regarded as the earliest provable date of publication.]
- Freeman, P. (1953) [15 August 1953] Chironomidae (Diptera) from Western Cape Province—I. *Proceedings of the Royal Entomological Society (Series B)* **22**(7/8): 127-135.
- Freeman, P. (1953) [31 December 1953] Chironomidae (Diptera) from Western Cape Province—II. *Proceedings of the Royal Entomological Society (Series B)* **22**(11/12): 201-213.
- Freeman, P. (1954) [22 October 1954] Chironomidae (Diptera) from Western Cape Province—IV. *Proceedings of the Royal Entomological Society (Series B)* **23**(9/10): 172-180.
- Freeman, P. (1954) [+28 February 1954] East African Chironomidae and Ceratopogonidae (Dipt.). (Ergebnisse der Deutschen Zoologischen Ostafrika-Expedition 1951/52, Gruppe Lindner-Stuttgart, Nr. 9). *Archiv für Hydrobiologie* **48**(4): 441-446.
- Freeman, P. (1955) [30 July 1955] Chironomidae (Diptera Nematocera). *Exploration du Parc National Albert Mission G. F. de Witte* **83**: 3-41.

- Freeman, P. (1955) [+31 December 1955] Chapter XV. Diptera (Nematocera): Chironomidae. *South African Animal Life* **2**: 361-381.
- Freeman, P. (1956) [24 July 1956] A study of African Chironomidae (Diptera) of Africa south of the Sahara. II. *Bulletin of the British Museum (Natural History) Entomology* **4**(7): 287-368.
- Freeman, P. (1959) [30 January 1959] A study of the New Zealand Chironomidae (Diptera, Nematocera). *Bulletin of the British Museum (Natural History) Entomology* **7**(9): 395-437.
- Freeman, P. (1961) [+31 October 1961] The Chironomidae (Diptera) of Australia. *Australian Journal of Zoology* **9**(4): 611-737.
- Freeman, P. (1961) [+31 December 1961] A collection of Chironomidae and Culicidae subfamily Dixinae (Diptera, Nematocera) from Madagascar. *Mémoires de l'Institut Scientifique de Madagascar (Série E)* **12**: 237-255.
- Freeman, P. (1962) [5 February 1962] Chironomidae from the Batu Caves, Malaya (Diptera: Nematocera). *Pacific Insects* **4**(1): 129-131.
[Dated from <http://hbs.bishopmuseum.org/dating/pacinsects.html>.]
- Freeman, P. (1964) [17 November 1964] Notes on Chironomidae (Diptera : Nematocera). *Proceedings of the Royal Entomological Society (Series B)* **33**(9/10): 147-150.
- Freeman, P. and Cranston, P. S. (1980) [10 July 1980] Family Chironomidae. Pp 175-202. In Crosskey, R. W. (ed.) *Catalogue of the Diptera of the Afrotropical Region*. Trustees of the British Museum (Natural History), London.
[Date of publication is from Evenhuis (2008: 401).]
- Fries, B. F. (1830) [+31 December 1830] Beskrifning öfver ett nytt slägte, *Hydrobaenus*, hörande till Tipulariae (Description of a new genus *Hydrobaenus* belonging to Tipulariæ). *Kungliga Svenska VetenskapsAkademiens Handlingar* **1829**: 176-187.
- Fries, B. F. (1831) [+31 December 1831] Beschreibung einer neuen Gattung *Hydrobaenus* zu Tipulariae gehörend. *Isis* (Oken's) **15**(12): 1350-1357.
[The paper appeared in the 12th issue (of 12) for 1831 which was presumably published in December 1831 and therefore the publication date unless proven otherwise is the +31 December 1831.]
- Frison, T. H. (1927) [+28 February 1927] A list of the insect types in the collections of the Illinois State Natural History Survey and the University of Illinois. *Bulletin of the Illinois State Natural History Survey* **16**: 137-309.
- Fu, Y. and Wang, X. (2008) [30 September 2008] A new species of *Paratrichocladus* Santos Abreu (Diptera: Chironomidae) from China. *Sichuan Journal of Zoology* **27**(5): 728-730.
- Fu, Y. and Wang, X. (2009) [21 January 2009] Four new species of *Nanocladius* Kieffer from Oriental China (Diptera: Chironomidae: Orthoclaadiinae). *Zootaxa* **1985**: 43-51.
- Fu, Y., Hestenes, T. C. and Sæther, O. A. (2010) [19 January 2010] Review of Afrotropical *Thienemanniella* Kieffer (Diptera: Chironomidae: Orthoclaadiinae). *Zootaxa* **2338**: 1-22.

- Fu, Y., Sæther, O. A. and Wang, X. (2009) [11 November 2009] *Corynoneura* Winnertz from East Asia, with a systematic review of the genus (Diptera: Chironomidae: Orthoclaadiinae). *Zootaxa* **2287**: 1-44.
- Fu, Y., Sæther, O. A. and Wang, X. (2010) [20 April 2010] *Thienemanniella* Kieffer from East Asia, with a systematic review of the genus (Diptera: Chironomidae: Orthoclaadiinae). *Zootaxa* **2431**: 1-42.
- Fu, Y., Wang, X. and Andersen, T. (2010) [13 May 2010] Chinese *Paracladius* Hirvenoja, with the description of *P. ovatus* sp. n. (Chironomidae: Orthoclaadiinae). *Zootaxa* **2453**: 62-68.
- Garrett, C. B. D. (1925) [31 December 1925] *Seventy New Diptera - key to the Pseudoleria, Helomyzidae, Tipulidae, Chironomidae, Dixinae, Orphnephilidae, Mycetophilidae*. Cranbrook, B. C. 16pp.
- Ghosh, M. and Chaudhuri, P. K. (1984) [+30 June 1984] Indian species of the genus *Bryophaenocladus* Thienemann (Diptera Diptera, Chironomidae) Chironomidae). *Journal of the Bengal Natural History Society* (New Series) **2**(1): 27-33.
[The paper appeared in the June 1983 issue which was not published until June 1984 and therefore the publication date is the +30 June 1984.]
- Giberson, D. J., MacInnis, A. J. and Blanchard, M. (1996) [+31 December 1996] Seasonal frequency and positioning of parasitic midges (Chironomidae) on *Pteronarcys biloba* nymphs (Plecoptera:Pteronarcyidae). *Journal of the North American Benthological Society* **15**(4): 529-536.
- Gimmerthal, B. A. (1846) [+31 December 1846] Zweiter Beitrag zur Dipterologie Russlands. *Bulletin de la Société Impériale des Naturalistes de Moscou* **19**(2): 3-82.
[A notice in Russian is printed on the unnumbered page 2 opposite the title page [p. 3] of the reference that states – permission to publish granted on the 23 April 1846. However, no actual publication date is specified in the issue and currently the earliest provable date of publication is the +31 December 1846.]
- Goetghebuer, M. (1912) [+31 December 1912] Quelques Chironomides nouveaux de Belgique. *Annales de Biologie Lacustre* **5**(4): 204-214.
- Goetghebuer, M. (1913) [+31 October 1913] Description de Chironomides nouveaux récoltés en Belgique. *Annales de Biologie Lacustre* **6**(2/3): 148-172.
- Goetghebuer, M. (1919) [+31 December 1919]. Observations sur les larves et les nymphes de quelques Chironomides de Belgique. *Annales de Biologie Lacustre* **9**(1/3): 51-78.
- Goetghebuer, M. (1921) [1 October 1921] Chironomides de Belgique et spécialement de la zone des Flandres. *Mémoires du Musée Royal d'Histoire Naturelle de Belgique* **8** (Fascicule 4, Mémoire 31): 1-208 + [2] p.
- Goetghebuer, M. (1923) [*1 October 1923] Nouveaux matériaux pour l'étude de la faune des Chironomides de Belgique. 2^e note. *Annales de Biologie Lacustre* **12**(1/2): 103-120.
- Goetghebuer, M. (1926) [15 April 1926] Description d'un nouveau Chironomide des flaques supralittorales de l'Algérie. *Bulletin de la Société d'Histoire Naturelle de l'Afrique du Nord* **17**: 153-154.
- Goetghebuer, M. (1927) [28 February 1927] Les *Cricotopus* de Belgique (Dipt. Chironomides). *Bulletin et Annales de la Société Entomologique de Belgique* **67**(1/2):

51-54.

- Goetghebuer, M. (1927) [*22 July 1927] Nouveaux matériaux pour l'étude de la faune des Chironomides de Belgique. 3^e note. *Annales de Biologie Lacustre* **15**: 93-104.
[In volume 15 there are no numbered parts.]
- Goetghebuer, M. (1929) [15 December 1929] Chironomides nouveaux au rares d'Europe. *Encyclopédie Entomologique, B-II, Diptera* **5**: 163-168.
[Date of publication is from Evenhuis (1989: 210).]
- Goetghebuer, M. (1931) [*10 August 1931] [Materiali zoologici raccolti della spedizione Albertini nello Svalbard Nord-Orientale] III. Chironomides. *Bollettino di Zoologia* **2**: 135-136.
- Goetghebuer, M. (1932) [5 February 1932] Ceratopogonidae et Chironomidae nouveaux d'Europe. *Bulletin et Annales de la Société Entomologique de Belgique* **71**(11): 211-218.
[This paper is usually cited as 1931 but it was included in the last issue of the year which was not published until the 5th February 1932.]
- Goetghebuer, M. (1932) [*7 May 1932] Diptères. Chironomidae IV. (Orthoclaudiinae, Corynoneurinae, Clunioninae, Diamesinae). *Faune de France* **23**: 1-204.
- Goetghebuer, M. (1932) [30 June 1932] Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe. *Bulletin et Annales de la Société Entomologique de Belgique* **72**(5): 125-130.
- Goetghebuer, M. (1933) [20 February 1933] Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe (Deuxième note). *Bulletin et Annales de la Société Entomologique de Belgique* **72**(11/12): 287-294.
[This paper is usually cited as 1932 but it was included in the last issue of the year which was not published until the 20th February 1933.]
- Goetghebuer, M. (1933) [30 May 1933] [Zoological results of the Norwegian Scientific Expeditions to East Greenland. II.] Chironomides du Groenland oriental, du Svalbard et de la Terre de François Joseph. *Skifter om Svalbard og Ishavet* **53**: 19-31.
- Goetghebuer, M. (1933) [30 September 1933] Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe (Troisième note). *Bulletin et Annales de la Société Entomologique de Belgique* **73**(8/9): 209-221.
- Goetghebuer, M. (1933) [30 November 1933] Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe (Quatrième note). *Bulletin et Annales de la Société Entomologique de Belgique* **73**(11): 353-361.
- Goetghebuer, M. (1934) [26 March 1934] Ceratopogonidae et Chironomidae récoltés par M. le Prof. Thienemann dans les environs de Garmisch-Partenkirchen (Haute-Bavière). *Bulletin et Annales de la Société Entomologique de Belgique* **74**(3): 87-95.
- Goetghebuer, M. (1934) [15 May 1934] Cératopogonides et Chironomides du Congo Belge. – 2^e Note. *Revue de Zoologie et de Botanique Africaines* **25**: 191-205.
- Goetghebuer, M. (1934) [26 June 1934] Ceratopogonides et Chironomidae recueillis en Palestine. *Bulletin et Annales de la Société Entomologique de Belgique* **74**(5/6): 214-216.
- Goetghebuer, M. (1934) [25 August 1934] Ceratopogonidae et Chironomidae nouveaux ou

- peu connus d'Europe (Cinquième note). *Bulletin et Annales de la Société Entomologique de Belgique* **74**(8): 287-294.
- Goetghebuer, M. (1934) [28 October 1934] Ceratopogonidae et Chironomidae récoltés par M. le Prof. Thienemann dans les environs de Garmisch-Partenkirchen (Haute-Bavière) et par M. Geijskes près de Bâle, dans le Röserenbach. *Bulletin et Annales de la Société Entomologique de Belgique* **74**(10): 334-350.
- Goetghebuer, M. (1934) [28 December 1934] Note sur un nouveau Chironomide brachyptère. *Bulletin et Annales de la Société Entomologique de Belgique* **74**(12): 388-390.
- Goetghebuer, M. [= Getgebyur] (1934) [+31 December 1934]. O khironomidakh severo-vostochnogo poberezh'ya Kaspiya (Note sur les Chironomides provenant de Nord-Est de la Mer Caspienne). *Trudy Karelo-Finskogo Filiala Akademii Nauk SSSR* **3**: 133-134.
- Goetghebuer, M. (1935) [*1 June 1935] Tendipedidae (= Chironomidae, Dipt.). In Visser, C. und Visser-Hooft, J. (eds.) *Wissenschaftliche Ergebnisse der Niederländischen Expeditionen in den Karakorum und die angrenzenden Gebiete in den Jahren 1922, 1925 und 1929/30* **1**: 393-394. F. A. Brockhaus, Leipzig.
- Goetghebuer, M. (1935) [*4 October 1935] Diagnose de trois Chironomides nouveaux. *Archiv für Hydrobiologie* **28**: 603-604.
- Goetghebuer, M. (1935) [5 December 1935] Chironomides du Congo belge. *Revue de Zoologie et de Botanique Africaines* **27**: 351-366.
- Goetghebuer, M. (1935) [1 December 1935] Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe. 6^e Note. *Encyclopédie Entomologique, B-II, Diptera* **8**: 3-14. [Date of publication is from Evenhuis (1989: 210).]
- Goetghebuer, M. (1935) [31 December 1935] Ceratopogonidae et Chironomidae récoltés pour la première fois en Belgique. *Bulletin et Annales de la Société Entomologique de Belgique* **75**(11/12): 413-418.
- Goetghebuer, M. (1936) [18 September 1936] Chironomides du Congo Belge. *Revue de Zoologie et de Botanique Africaines* **28**: 453-492.
- Goetghebuer, M. (1937) [*11 June 1937] Quatre Chironomides nouveaux d'Allemagne. *Archiv für Hydrobiologie* **31**: 508-510.
- Goetghebuer, M. (1937) [28 June 1937] Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe (7^e note). *Bulletin et Annales de la Société Entomologique de Belgique* **77**(6): 273-280.
- Goetghebuer, M. (1938) [28 February 1938] Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe (Huitième Note). *Bulletin et Annales de la Société Entomologique de Belgique* **78**(1/2): 56-64.
- Goetghebuer, M. (1938) [28 March 1938] Additions au Catalogue des Cératopogonides et des Chironomides de Belgique. *Bulletin et Annales de la Société Entomologique de Belgique* **78**(3): 131-136.
- Goetghebuer, M. (1938) [26 November 1938] Quelques Chironomides nouveaux de l'Europe. *Bulletin et Annales de la Société Entomologique de Belgique* **78**(11): 453-464.
- Goetghebuer, M. (1939) [25 February 1939] Cératopogonides et Chironomides recueillis en Algérie. *Bulletin et Annales de la Société Entomologique de Belgique* **79**(1/2): 59-62.

- Goetghebuer, M. (1939) [27 May 1939] Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe (Neuvième Note). *Bulletin et Annales de la Société Entomologique de Belgique* **79**(4/5): 219-229.
- Goetghebuer, M. (1939) [+30 September 1939] Études biospéologiques. XVI (1). Deux Chironomidae (Diptera) de Roumanie. *Bulletin du Musée Royal d'Histoire Naturelle de Belgique* **15**(56): 1-2.
- Goetghebuer, M. (1939) [28 November 1939] Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe (Dixième Note). *Bulletin et Annales de la Société Entomologique de Belgique* **79**(10/11): 379-389.
- Goetghebuer, M. (1940) [20 February 1940] Chironomides de Laponie Suédoise. *Bulletin et Annales de la Société Entomologique de Belgique* **80**(1): 55-72.
- Goetghebuer, M. (1941) [+30 June 1941] Quelques Chironomides du Tyrol. *Bulletin du Musée Royal d'Histoire Naturelle de Belgique* **17**(37): 1-8.
- Goetghebuer, M. (1941) [28 August 1941] Ceratopogonide et Chironomides nouveaux d'Allemagne. *Archiv für Hydrobiologie* **38**: 288-290.
- Goetghebuer, M. (1941) [+30 November 1941] Notes sur la faune des Hautes-Fagnes en Belgique. V. Diptera : Chironomidae, Ceratopogonidae. *Bulletin du Musée Royal d'Histoire Naturelle de Belgique* **17**(67): 1-12.
- Goetghebuer, M. (1942) [+31 October 1942] Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe, (11^e note). *Bulletin du Musée Royal d'Histoire Naturelle de Belgique* **18**(46): 1-16.
- Goetghebuer, M. (1942) [+31 December 1942] Diagnose de trois Orthocladines nouveaux. *Archiv für Hydrobiologie* **38**: 663-664.
- Goetghebuer, M. (1944) [+31 December 1944] Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe (Douzième note). *Biologisch Jaarboek* **11**: 35-44.
- Goetghebuer, M. (1944) [+31 December 1944] Scientific results of Prof^r D^r P. van Oye's expedition in Iceland: XV. Deux Chironomides d'islande (Diptères). *Biologisch Jaarboek* **11**: 163-164.
- Goetghebuer, M. (1948) [+31 December 1948] Deux Diptères nouveaux de Belgique. *Bulletin et Annales de la Société Entomologique de Belgique* **84**(1/2): 36-39.
- Goetghebuer, M. (1949) [+31 May 1949] Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe, (Treizième note). *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* **25**(14): 1-8.
- Goetghebuer, M. (1950) [+30 November 1950] Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe (Quatorzième note). *Bulletin de l'Institut Royal des Sciences Naturelles de Belgique* **26**(47): 1-15.
- Goetghebuer, M. (1955) [+31 December 1955] Expéditions polaires françaises (Groenland) (Collection A.Bauer du Musée Zoologique de Strasbourg). Deux Chironomides nouveaux du Groenland (Dipt. Nemat.). *Bulletin de l'Association Philomathique d'Alsace et de Lorraine* **9**: 167.
- Goetghebuer, M. and Dorier, A. (1932) [+31 December 1932] Les métamorphoses d'*Orthocladus* (*Dactylocladius*) *dorieri* Goetghebuer. *Travaux du Laboratoire d'Hydrobiologie et de Pisciculture de l'Université de Grenoble* **23**: 61-65.

[This publication is usually incorrectly cited as 1931. The title page of the volume has the words “Année 1931” but with “1932” at the bottom of the page and therefore the correct year of publication is 1932.]

- Goetghebuer, M. and Dorier, A. (1939) [+31 January 1939] Description sommaire de la nymphe et de l'adulte d'*Orthocladius fusiformis* Goetgh. [Dipt. Chironomidae]. *Bulletin de la Société Entomologique de France* **54**: 30-32.
- Goetghebuer, M. and Lenz, F. (1939) [10 October 1939] Subfamilie Corynoneurinae. Pp 1-19. In Lindner, E. (ed.) *Die Fliegen der Palaearktischen Region* **13f**. [Publication date is from Evenhuis (1997: 461).]
- Goetghebuer, M. and Lenz, F. (1940) [+31 December 1940] Subfamilie Orthocladiinae. Pp 1-24. In Lindner, E. (ed.) *Die Fliegen der Palaearktischen Region* **13g**.
- Goetghebuer, M. and Lenz, F. (1942) [+31 December 1942] Subfamilie Orthocladiinae. Pp 25-64. In Lindner, E. (ed.) *Die Fliegen der Palaearktischen Region* **13g**.
- Goetghebuer, M. and Lenz, F. (1943) [23 July 1943] Subfamilie Orthocladiinae. Pp 65-112. In Lindner, E. (ed.) *Die Fliegen der Palaearktischen Region* **13g**. [Publication date is from Evenhuis (1997: 461).]
- Goetghebuer, M. and Lenz, F. (1944) [17 March 1944] Subfamilie Orthocladiinae. Pp 113-144. In Lindner, E. (ed.) *Die Fliegen der Palaearktischen Region* **13g**. [Publication date is from Evenhuis (1997: 461).]
- Goetghebuer, M. and Lenz, F. (1950) [*16 May 1950] Subfamilie Orthocladiinae. Pp 145-208. In Lindner, E. (ed.) *Die Fliegen der Palaearktischen Region* **13g**.
- Goetghebuer, M. and Lenz, F. (1950) [+31 December 1950] Subfamilie Clunioninae. Pp 1-23 + [1]. In Lindner, E. (ed.) *Die Fliegen der Palaearktischen Region* **13h**.
- Goetghebuer, M. and Timon-David, J. T. (1937) [30 November 1937] Contribution à l'étude des Diptères halophiles et halobies du littoral méditerranéen. Chironomides et Cératopogonides de l'îlot de Planier. *Bulletin et Annales de la Société Entomologique de Belgique* **77**(11): 409-416.
- Goetghebuer, M. and Timon-David, J. T. (1939) [25 February 1939] Nouvelles observations sur les Chironomides et Cératopogonides marins des îles du Golfe de Marseille. *Bulletin et Annales de la Société Entomologique de Belgique* **79**(1/2): 63-70.
- Goetghebuer, M., Humphries, C. F. and Fitzgerald, A. M. (1949) [30 September 1949] Metamorphosis of the Chironomidae. I. A description of the larvae, pupae and imagines of some members of the genus *Eukiefferiella* (Kieff.); of the larva of *Orthocladius crassicornis* (Goetgh.) and of the imago of *Orthocladius flaveolus* (Goetgh.). *Hydrobiologia* **1**(3): 410-424.
- Golubeva, G. V. (1980) [29 September 1980] Novyi vid komarov-zvontsov roda *Metriocnemus* v. d. Wulp (Diptera, Chironomidae) iz Yaroslavskoi oblasti (A new species of the genus *Metriocnemus* v. d. Wulp (Diptera, Chironomidae) from Yaroslavl Province). *Entomologicheskoe Obozrenie* **59**(3): 654-659. [The above issue of the journal was received by the Zoological Institute in Leningrad (now St Petersburg), on the 29 September 1980, according to the card index of the library (Dr Andrey Przhiboro pers. comm. to P. Ashe), which is currently regarded as the earliest provable date of publication.]

- Gonser, T. and Spies, M. (1997) [+31 December 1997] Southern hemisphere *Symbiocladius* (Diptera, Chironomidae) and their mayfly hosts (Ephemeroptera, Leptophlebiidae). Pp 455-466. In Landolt, P. and Sartori, M. (eds.): *Ephemeroptera & Plecoptera: Biology - Ecology - Systematics*. MTL, Fribourg. 569 pp.
- Gouin, F. (1936) [30 July 1936] Métamorphoses de quelques Chironomides d'Alsace et de Lorraine avec la description de trois espèces nouvelles par M. Goetghebuer. *Revue Française d'Entomologie* **3**: 151-173.
- Gowin, F. (1943) [19 February 1943] Orthocladiinen aus Lunzer Fließgewässern II. *Archiv für Hydrobiologie* **40**(1): 114-122.
- Gowin, F. and Thienemann, A. (1942) [1 December 1942] Zwei neue Orthocladiinen-Arten aus Lunz (Niederdonau). Chironomiden aus dem Lunzer Seengebiet VII. *Zoologischer Anzeiger* **140**(7/8): 101-109.
- Griepkoven, H. (1913) [+31 December 1913] Minierende Tendipediden. *Archiv für Hydrobiologie Supplement* **2** [Preprint]: Pp. [1-2] + 1-101 + [1-3], pl. I-IV. [Preprinted separate of Griepkoven (1914)].
[According to Spies & Sæther (2004: 11) Griepkoven's work was distributed in 1913 as preprinted separates — which qualify as relevant publications under the Zoological Code (ICZN, 1999, Article 21.8) — before the journal version (below) was published in 1914.]
- Griepkoven, H. (1914) [28 March 1914] Minierende Tendipediden. *Archiv für Hydrobiologie Supplement* **2**(1): 129-230, pl. XIII-XVI.
- Guo, Y. and Wang, X. (2005) [30 May 2005] Description of four new species of *Krenosmittia* Thienemann & Krüger from China (Diptera: Chironomidae: Orthocladiinae). *Studia Dipterologica* **11**(2): 493-499.
- Haase, R. and Nolte, U. (2008) [+30 September 2008] The invertebrate species index (ISI) for streams in southeast Queensland, Australia. *Ecological Indicators* **8**(5): 599-613.
- Hagenlund, L. K., Andersen, T. and Mendes, H. F. (2010) [22 December 2010] New species of *Lopescladius* (*Cordiella*) Coffman *et* Roback (Chironomidae: Orthocladiinae) from Brazil. *Zootaxa* **2728**: 39-49.
- Haliday, A. H. (1855) [1 May 1855] Descriptions of insects figured, and references to plates illustrating the notes on Kerry insects. *Natural History Review (Proceedings)* **2**: 59-64.
- Halvorsen, G. A. (1982) [4 November 1982] *Saetheriella amplicristata* gen. n., sp. n., a new Orthocladiinae (Diptera, Chironomidae) from Tennessee. *Aquatic Insects* **4**(3): 131-136.
- Halvorsen, G. A. and Sæther, O. A. (1987) [31 August 1987] Redefinition and revision of the genus *Tokunagaia* Sæther, 1973 (Diptera: Chironomidae). Pp 173-188. In Sæther, O. A. (ed.): *A conspectus of contemporary studies in Chironomidae (Diptera). Contributions from the IXth International Symposium on Chironomidae, Bergen, Norway, 1985*. *Entomologica Scandinavica Supplement* **29**: 1-393.
- Hardy, D. E. (1960) [31 March 1960] Diptera: Nematocera-Brachycera (except Dolichopodidae). Family Chironomidae Newman. Non-biting midges. Pp 94-165. In Hardy, D. E.: *Insects of Hawaii. A manual of the insects of the Hawaiian Islands*,

including an enumeration of the species and notes on their origin, distribution, hosts, parasites, etc., Volume **10**: *Diptera: Nematocera – Brachycera*: 94-165. University of Hawaii Press, Honolulu. i-vii, 1-368.

- Harrison, A. D. (1992) [30 June 1992] Chironomidae from Ethiopia, Part 2. Orthocladiinae with two new species and a key to *Thienemanniella* Kieffer (Insecta, Diptera). *Spixiana* **15**(2): 149-195.
- Harrison, A. D. (1994) [1 March 1994] *Nanocladius* (N.) Kieffer from Africa south of the Sahara, with two new species and key (Insecta, Diptera, Chironomidae, Orthocladiinae). Pp 99-114. In Baehr, M. (ed.): *Contributions to the systematics of the Chironomidae (Insecta, Diptera)*. *Spixiana Supplement* **20**.
- Harrison, A. D. (1997) [20 August 1997] Two small Orthocladinae (Chironomidae, Diptera) from the Western Cape Province, South Africa. *Annals of the Cape Provincial Museums (Natural History)* **19**(8): 375-386.
- Harrison, A. D. (2000) [4 August 2000] Four new genera and species of Chironomidae (Diptera) from Southern Africa. *Aquatic Insects* **22**(3): 219-236.
- Harrison, A. D. (2002) [*27 August 2002] Chironomidae (Diptera) in the Albany Museum Part 1. *Annals of the Eastern Cape Museums* **2**: 9-18.
[The year 2001 is given on the volume cover but the correct year of publication is 2002 which is specified on the bottom of page 9 (and other uneven page numbers). The earliest provable date is currently the date receipt stamp of the *27 August 2002 in the Natural History Museum Library (London).]
- Harrison, A.D. (2004) [+29 February 2004] *Metriocnemus capicola*, a replacement name for *Metriocnemus capensis* Harrison 2002. *Annals of the Eastern Cape Museums* **3**: 15.
- Harrison, A. D. and Cranston, P. S. (2007) [+31 March 2007] *Elpiscladius* Harrison and Cranston, a new orthoclad (Diptera: Chironomidae) in the Brillia-group from South Africa. *Annals of the Eastern Cape Museums* **6**: 1-11.
- Hashimoto, H. (1962) [26 March 1962] A new species of clunionine chironomid from Japan. *Science Reports of the Tokyo Kyoiku Daigaku (Section B)* **10**: 285-296.
- Hashimoto, H. (1973) [+31 December 1973] Marine chironomids from Australia, with description of a new species of the genus *Clunio* (Diptera: Chironomidae). *Bulletin of the Faculty of Education, Shizuoka University, National Science Service* **24**: 1-17.
- Hashimoto, H. (1974) [+31 December 1974] A new species of Clunionini chironomid from North America. Pp. 108-114. In Brundin, L. (ed.) *Proceedings of the 5th International Symposium on Chironomidae, Abisko, 7-9 August 1973*. *Entomologisk Tidskrift Supplement* **95**.
- Hayashi, F. (1998) [19 November 1998] *Nanocladius* (*Plecopteracoluthus*) *asiaticus* sp. n. (Diptera: Chironomidae) phoretic on dobsonfly and fishfly larvae (Megaloptera: Corydalidae). *Aquatic Insects* **20**(4): 215-229.
- Hayashi, F. and Kobayashi, T. (2000) [1 August 2000] Commensal and parasitic chironomids of Japan. *Hyogo Freshwater Biology* **51/52**: 281-303.
- Hayes, B. P. and Murray, D. A. (1988) [22 February 1988] *Tokunagaia obriaini* — a new species of Orthocladiinae (Diptera: Chironomidae) from Northwest Territories, arctic Canada. *Entomologica Scandinavica* **18**(4): 361-366.

- Hazra, N. and Chaudhuri, P. K. (2002) [10 June 2002] A new primitive orthoclad species, *Brillia argentituba* sp. n., from the Darjeeling-Sikkim Himalayas of India (Insecta: Diptera: Chironomidae). *Reichenbachia* **34**(46): 381-387.
- Hazra, N. and Chaudhuri, P. K. (2004) [+31 December 2004] A new orthoclad species of *Rheocricotopus* Thienemann & Harnisch (Diptera, Chironomidae) from the Darjeeling-Sikkim Himalayas in India. *Animal Biodiversity and Conservation* **27**(2): 1-4.
- Hazra, N. and Das, N. (2011) [+30 November 2011] A new species of *Bryophaenocladus* Thienemann, 1934 (Diptera: Chironomidae) from Darjeeling Himalayas, India. *International Journal of Dipterological Research* **22**(3): 139-143.
- Hazra, N., Majumdar, U. and Mazumdar, A. (2008) [+30 June 2008] Species composition, relative abundance, spatial diversity and heterogeneity of chironomid midges (Diptera : Chironomidae) of the springs of Darjeeling-Sikkim Himalayas of India. *Environment and Ecology* **26**(2A): 907-914.
- Hazra, N., Nath, S. and Chaudhuri, P. K. (2003) [30 April 2003] The genus *Corynoneura* Winnertz (Dipt., Chironomidae) from the Darjeeling-Sikkim Himalayas of India with descriptions of three new species. *Entomologist's Monthly Magazine* **139**: 69-82.
- Hazra, N., Saha, G. K. and Chaudhuri, P. K. (2002) [15 April 2002] Records of Orthoclad species from the Darjeeling-Sikkim Himalayas of India (Diptera: Chironomidae), with notes on their ecology. *Hydrobiologia* **474**: 41-55.
- Heimbach, F. (1978) [3 February 1978] Sympatric species, *Clunio marinus* Hal. and *Cl. balticus* n. sp. (Dipt., Chironomidae), isolated by differences in diel emergence time. *Oecologia* **32**(2): 195-202.
- Hesse, A. J. (1937) [14 August 1937] A new species of clunionine-chironomid from the coast of southern Africa (Diptera). *Proceedings of the Royal Entomological Society London (Series B)* **6**(8): 165-168.
- Hestenes, T. C. and Sæther, O. A. (2000) [21 August 2000] Three new Nearctic *Thienemanniella* Kieffer species with a review of the Nearctic species. Pp 103-127. In Hoffrichter, O. (ed.) *Late 20th century research on Chironomidae: an anthology from the 13th International Symposium on Chironomidae, Freiburg, 5-9 September 1997*. Shaker Verlag, Aachen. 661pp.
[According to Dr Odwin Hoffrichter (pers. comm. to P. Ashe) the Proceedings from the Freiburg Symposium were published on the 21 August 2000.]
- Hirvenoja, M. (1973) [30 April 1973] Revision der Gattung *Cricotopus* van der Wulp und ihrer Verwandten (Diptera, Chironomidae). *Annales Zoologici Fennici* **10**: 1-363.
- Hirvenoja, M. (1986) [≤21 April 1986] New species of the genera *Cricotopus* v. d. Wulp and *Paratrichocladus* Santos Abreu from Himalaya (Diptera, Chironomidae). In Fittkau, E. J. (ed.): *Beiträge zur Systematik der Chironomidae, Diptera. Spixiana Supplement* **11**: 161-166.
[Published in 1986 and not on the 30 December 1985 as indicated on the title page. Records in the library of the Zoologische Staatssammlung, Munich, show that Supplement 11 was available for distribution on the 21 April 1986.]

A WORLD CATALOGUE OF CHIRONOMIDAE (DIPTERA). PART 2.

- Hirvenoja, M. (1989) [29 December 1989] *Cricotopus (Isocladius) polychaetus*, spec. nov. and designations of some other type specimens of the genus *Cricotopus* v. d. Wulp (Diptera, Chironomidae). *Spixiana* **12**(3): 275-278.
- Hirvenoja, M. and Hirvenoja, E. (1988) [15 July 1988] *Corynoneura brundini* spec. nov. Ein Beitrag zur Systematik der Gattung *Corynoneura* (Diptera, Chironomidae). In Fittkau, E. J. (ed.): *Festschrift zu Ehren von Lars Brundin*. *Spixiana Supplement* **14**: 213-238.
- Holmgren, A. E. (1869) [10 March 1869] Bidrag til Kännedomen om Beeren Eilands och Spetsbergens Insekt-Fauna. *Kungliga Svenska VetenskapsAkademiens Handlingar* **8**(5): 1-56.
- Holmgren, A. E. (1883) [+31 December 1883] Insecta a viris doctissimis Nordenskiöld illum ducem sequentibus in insulis Waigatsch et Novaja Semlia anno 1875 collecta. Diptera. *Entomologisk Tidskrift* **4**(3/4): 162-190.
- Hrafnisdottir, T. (2005) [+31 December 2005] Diptera 2 (Chironomidae). The Zoology of Iceland **III**, **48b**: 1-169.
- Hubault, E. (1927) [*11 February 1927] Contribution a l'étude des invertébrés torrenticoles. *Bulletin Biologique de la France et de Belgique, Supplément* **9**: 159-164.
- Humphries, C. F. (1951) [1 July 1951] Metamorphosis of the Chironomidae. II. A description of the imago, larva, and pupa of *Trichocladius arduus*, n.sp., Goetghebuer and of the larvae and pupa of *Trichocladius trifascia*, Edwards. *Hydrobiologia* **3**(3): 209-216.
- Hutton, F. W. (1902) [+31 July 1902] Additions to the Diptera fauna of New Zealand. *Transactions and Proceedings of the New Zealand Institute* **34**: 179-196.
- Hynes, H. B. N. (1976) [30 June 1976] *Symbiocladius aurifodinae* sp. nov. (Diptera, Chironomidae), a parasite of nymphs of Australian Leptophlebiidae (Ephemeroptera). *Memoirs of the National Museum of Victoria* **37**: 47-52.
- ICZN (1961) [9 November 1961] *International Code of Zoological Nomenclature. First Edition*, International Trust for Zoological Nomenclature, London. xviii + 176pp.
- ICZN (1999) [+31 December 1999] *International Code of Zoological Nomenclature. Fourth Edition*, International Trust for Zoological Nomenclature, London. xxix + 306pp.
[The full bibliographic authorship for the above publication is the International Commission on Zoological Nomenclature but because it is so frequently cited it is abbreviated to ICZN.]
- International Commission on Zoological Nomenclature (2007) [28 September 2007] Opinion 2179 (Case 3344). *Pseudorthocladius* Goetghebuer, 1943 and *Mesosmittia* Brundin, 1956 (Insecta, Diptera, Chironomidae): generic names conserved. *Bulletin of Zoological Nomenclature* **64**(3): 198-199.
- International Commission on Zoological Nomenclature (2008) [30 September 2008] Opinion 2206 (Case 3355). *Orthocladiinae* Kieffer, 1911 and *Orthocladius* van der Wulp, 1874 (Diptera, Chironomidae): subfamilial name conserved and type species fixed. *Bulletin of Zoological Nomenclature* **65**(3): 229-231.
- Jacobs, J. C. (1900) [29 March 1900] [Diagnoses d'insectes recueillis par l'expédition antarctique belge]. Diptères. *Annales de la Société Entomologique de Belgique* **44**(3): 106-107.

- Jacobsen, R. E. (1999) [15 September 1999] The symbiotic relationship of a chironomid with its ephemeropteran host in an Arizona mountain stream. Pp 426-438. In Berg, M. B., Ferrington Jr, L. C. and Hayford, B. L. (eds.): *A festschrift honoring Mary and Jim Sublette. Part 2: Biology, ecology and natural history of Chironomidae. Journal of the Kansas Entomological Society* **71**(3).
- Jacobsen, R. E. (2007) [18 April 2007] *Orthocladius (Orthocladius) saetheri*, new species, from the Appalachian Mountains (Diptera: Chironomidae). Pp. 137-143. In Andersen, T. (ed.) *Contributions to the systematics and ecology of aquatic Diptera: - a tribute to Ole A. Sæther*. The Caddis Press, Columbus, Ohio.
[According to Prof. Trond Andersen (pers. comm. to P. Ashe) the volume was published on the 18 April 2007.]
- Jacobson, G. (1898) [+31 December 1898] Compte rendu de l'expédition envoyée par l'Académie Impériale des Sciences à Novaia Zemlia en été 1896. IV. *Zapiski Imperatorskoi Akademii Nauk* (8) **8**: 171-244.
- Johannsen, O. A. (1903) [+31 August 1903] Aquatic nematoceros Diptera. Pp 328-441. In Needham, J. G., MacGillivray, A. D., Johannsen, O. A. and Davis, K. C. (eds) *Aquatic insects of New York State. Bulletin of the New York State Museum* **68**: 328-441.
- Johannsen, O. A. (1905) [+30 June 1905] Aquatic nematoceros Diptera II. Chironomidae. Pp 76-330, 333-352, pls 16-29. In Needham, J. G., Morton, K. J. and Johannsen, O. A. (eds) *May flies and midges of New York. Bulletin of the New York State Museum* **86**: 1-352.
- Johannsen, O. A. (1908) [15 October 1908] New North American Chironomidae. Pp 264-285. In Felt, E. P. (ed.) *23rd report of the State Entomologist on injurious and other insects of the State New York, 1907. Bulletin of the New York State Museum* **124**.
- Johannsen, O. A. (1928) [*5 July 1928] Two new species of western Chironomids (Diptera). *Journal of Entomology and Zoology* **20**(2): 33-35.
- Johannsen, O. A. (1932) [*19 April 1932] Orthocladiinae of the Malayan subregion of the Dutch East Indies. *Archiv für Hydrobiologie Supplement* **9**: 715-732.
- Johannsen, O. A. (1934) [+30 September 1934] New species of North American Ceratopogonidæ and Chironomidæ. *Journal of the New York Entomological Society* **42**: 343-352.
- Johannsen, O. A. (1937) [+30 June 1937] Aquatic Diptera. Part III. Chironomidae: Subfamilies Tanypodinae, Diamesinae and Orthocladiinae. *Memoirs Cornell University Agricultural Experiment Station* **205**: 3-84.
- Johannsen, O. A. (1938) [+31 May 1938] New species of Nematocera from Puerto Rico. *Journal of Agriculture of the University of Puerto Rico* **22**: 219-226.
- Johannsen, O. A. (1942) [20 March 1942] Immature and adult stages of new species of Chironomidae (Diptera). *Entomological News* **53**(3): 70-75.
- Johannsen, O. A. (1943) [7 April 1943] Adult and immature stages of *Cricotopus elegans* n. sp. (Chironomidae, Diptera). *Entomological News* **54**(3): 77-79.
- Johannsen, O. A. (1946) [20 December 1946] Some new species of nematoceros Diptera from Guam. *Bernice P. Bishop Museum Bulletin* **189**: 187-193.

- Johannsen, O. A. (1947) [27 October 1947] A new species of *Hydrobaenus* (*Chaetocladius*) from Connecticut with notes on related forms (Diptera, Chironomidae). *Entomological News* **58**(7): 171-174.
- Jones, F. M. (1916) [31 October 1916] Two insect associates of the California pitcher-plant, *Darlingtonia californica* (Dipt.). *Entomological News* **27**(9): 385-392.
- Karl, O. (1937) [13 September 1937] *Orthocladius* (*Chaetocladius*) *dentatus* n. spec., eine neue Chironomide aus Deutschland. *Arbeiten über Morphologische und Taxonomische Entomologie* **4**(3): 235.
- Kawai, K. (1991) [+31 July 1991] Seven new chironomid species (Diptera, Chironomidae) from Japan. *Japanese Journal of Limnology* **52**(3): 161-171.
- Kawai, K. and Sasa, M. (1985) [+31 January 1985] Seven new species of chironomid midges (Diptera, Chironomidae) from the Ohta River, Japan. *Japanese Journal of Limnology* **46**(1): 15-24.
- Kawai, K., Okamoto, H. and Imabayashi, H. (2002) [15 June 2002] Five new chironomid species of five genera from Japan. *Medical Entomology and Zoology* **53**(2): 73-82.
- Kellogg, V.L. (1900) [+31 January 1900] An extraordinary new maritime fly. *Biological Bulletin* **1**(2): 81-87.
- Kevan, D. K. McE. and Cutten-Ali-Khan, F. E. A. (1975) [+30 June 1975] Canadian Nymphomyiidae (Diptera). *Canadian Journal of Zoology* **53**(6): 853-866.
- Kieffer, J. J. (1899) [*23 April 1899] Description d'un nouveau genre et tableau des genres européens de la famille des Chironomides (Dipt.). *Bulletin de la Société Entomologique de France* **1899**: 66-70.
- Kieffer, J. J. (1900) [+30 June 1900] Observations sur le groupe *Chironomus* avec description de quelques espèces nouvelles. *Annales de la Société Entomologique de France* **68**: 821-830.
- Kieffer, J. J. (1901) [+31 December 1901] In Gadeau de Kerville, H. (ed.): Description, par l'abbé J.-J. Kieffer, d'une nouvelle espèce de Diptère marin de la famille des Chironomides (*Clunio bicolor*), et renseignements sur cette espèce, découverte par M. Hendri Gadeau de Kerville dans l'anse de Saint-Martin (côte septentrionale du département de la Manche) et trouvée par M. René Chevrel à Saint-Briac (Ille-et-Vilaine). *Bulletin de la Société des Amis des Sciences Naturelles de Rouen P.-v. Séance 8. Nov. 1900*: 72-73.
- Kieffer, J. J. (1906) [*1 May 1906] Diptera Fam. Chironomidae. Pp 1-78, 4 pls. In Wytsman, P. (ed.) *Genera Insectorum* **42**.
- Kieffer, J. J. (1906) [*22 September 1906] Description de nouveaux Diptères Nématocères d'Europe. *Annales de la Sociétés Scientifique de Bruxelles, 2^e partie (Mémoires)* **30**: 311-348.
- Kieffer, J. J. (1906) [*22 September 1906] Description d'un genre nouveau et de quelques espèces nouvelles de Diptères de l'Amérique du Sud. *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **30**: 349-358.
- Kieffer, J. J. (1908) [*17 March 1908] Chironomidae. *Denkschriften der Medizinisch-Naturwissenschaftlichen Gesellschaft zu Jena* **13**: 155-162.
- Kieffer, J. J. (1908) [*16 November 1908] Description de deux nouveaux Chironomides.

- Bulletin de l'Académie Royale de Belgique, Classe des Sciences* **1908** (8): 705-707.
- Kieffer, J. J. (1909) [+31 December 1909] Diagnoses de nouveaux chironomides d'Allemagne. *Bulletin de la Société d'Histoire Naturelle de Metz* **26**: 37-56.
- Kieffer, J. J. (1910) [*29 April 1910] Description de « *Cricotopus limnanthemis* » n. sp. ♂♀. *Bulletin de l'Académie Royale de Belgique, Classe des Sciences* **1910** (1): 37-39, 1 plate fig.
- Kieffer, J. J. (1910) [4 July 1910] Description de quelques Diptères exotiques. *Bollettino del Laboratorio di Zoologia Generale e Agraria della Reale Scuola Superiore d'Agricoltura in Portici* **4**: 327-328.
- Kieffer, J. J. (1910) [+31 August 1910] Etude sur les Chironomides des Indes Orientales, avec description de quelques nouvelles espèces d'Egypte. *Memoirs of the Indian Museum* **2**(4): 181-242.
- Kieffer, J. J. (1911) [17 May 1911] Nouveaux Tendipédides du groupe *Orthocladius* [Dipt.]. (1^{re} note). *Bulletin de la Société Entomologique de France* **1911**: 181-187.
- Kieffer, J. J. (1911) [28 May 1911] Nouveaux Tendipédides du groupe *Orthocladius* [Dipt.]. (2^{me} note). *Bulletin de la Société Entomologique de France* **1911**: 199-202.
- Kieffer, J. J. (1911) [+31 July 1911] Descriptions de nouveaux Chironomides de l'Indian Museum de Calcutta. *Records of the Indian Museum* **6**(3): 113-177.
- Kieffer, J. J. (1911) [+30 September 1911] Diptera, Chironomidæ der Seychellen-Inseln, aus der Sammlung von Mr H. Scott. *Transactions of the Linnean Society of London (2nd Series, Zoology)* **14**: 331-366.
- Kieffer, J. J. (1911) [+31 December 1911] Les Chironomides (Tendipedidae) de l'Himalaya et d'Assam. *Records of the Indian Museum* **6**(5): 319-349.
- Kieffer, J. J. (1912) [+31 January 1912] Nouveaux chironomides (Tendipedidae) de Ceylan. *Spolia Zeylanica* **8**: 1-24.
- Kieffer, J. J. (1912) [28 February 1912] Quelques nouveaux Tendipédides [Dipt.] obtenus d'éclosion (1^{re} note). *Bulletin de la Société Entomologique de France* **1912**: 86-88.
- Kieffer, J. J. (1912) [13 March 1912] Quelques nouveaux tendipédides [Dipt.] obtenus d'éclosion (2^e note). *Bulletin de la Société Entomologique de France* **1912**: 101-103.
- Kieffer, J. J. (1912) [1 August 1912] [H. Sauter's Formosa-Ausbeute.] Tendipedidae (Chironomidae) [Dipt.]. *Supplementa Entomologica* **1**: 27-43, pl. II.
- Kieffer, J. J. (1913) [25 June 1913] Description de quelques nouveaux Chironomides [Dipt.]. *Bulletin de la Société Entomologique de France* **1913**: 279-280.
- Kieffer, J. J. (1913) [*5 July 1913] Nouveaux Chironomides (Tendipédides) d'Allemagne. *Bulletin de la Société d'Histoire Naturelle de Metz* **28**: 7-35.
- Kieffer, J. J. (1913) [*5 July 1913] Contribution à la connaissance des Chironomides d'Islande. *Bulletin de la Société d'Histoire Naturelle de Metz* **28**: 57-62.
- Kieffer, J. J. (1913) [+31 July 1913] Nouvelle étude sur les Chironomides de l'Indian Museum de Calcutta. *Records of the Indian Museum* **9**(3): 119-197.
- Kieffer, J. J. (1913) [15 August 1913] Chironomidae et Cecidomyidae - Voyage de Ch. Alluaud et R. Jeannel en Afrique Orientale (1911-1912). *Résultats Scientifiques Voyage de Ch. Alluaud et R. Jeannel en Afrique Orientale (1911-1912) (Diptères)* **1**: 1-43, Paris.

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- Kieffer, J. J. (1914) [7 May 1914] South African Chironomidae (Diptera). *Annals of the South African Museum* **10**: 259-270.
- Kieffer, J. J. (1915) [+31 May 1915] Neue Chironomiden aus Mitteleuropa. *Brotéria, Série Zoológica* **13**: 65-87.
- Kieffer, J. J. (1915) [8 June 1915] Neue halophile Chironomiden. *Archiv für Hydrobiologie Supplement* **2**(2): 472-482.
- Kieffer, J. J. (1915) [+31 July 1915] Über dänische Chironomiden. *Entomologische Meddelelser* **10**: 280-284. [Part]
[See note below on the +31 December 1915 Kieffer reference.]
- Kieffer, J. J. (1915) [8 October 1915] Tendipedidae (Chironomidae). Pp 103-120. In *Fauna Færøensis. Zoologische Jahrbücher, Abteilung Systematik, Ökologie und Geographie der Tiere* **39**.
- Kieffer, J. J. (1915) [+31 December 1915] Über dänische Chironomiden. *Entomologische Meddelelser* **10**: 285-297. [Part]
[The first part of this paper by Kieffer was published in July 1915 (see above, pp. 280-284) and the second part was published in December 1915 (pp. 285-297) – these are references **54** and **56** respectively in Ashe & Spies (2011: 9). All the new Chironomidae species were published in the second (December) part.]
- Kieffer, J. J. (1916) [25 June 1916] Tendipedides (Chironomides) de Formose conservés au Muséum National Hongrois de Budapest et déterminés par J. J. Kieffer. *Annales Historico-Naturales Musei Nationalis Hungarici* **14**: 81-121.
- Kieffer, J. J. (1917) [15 September 1917] Chironomides d'Australie conservés au Musée National Hongrois de Budapest. *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 175-228.
- Kieffer, J. J. (1917) [31 December 1917] Chironomides d'Amérique conservés au Musée National Hongrois de Budapest. *Annales Historico-Naturales Musei Nationalis Hungarici* **15**: 292-364.
- Kieffer, J. J. (1918) [1 June 1918] Beschreibung neuer, auf Lazarettsschiffen des östlichen Kriegsschauplatzes und bei Ignalino in Litauen von Dr. W. Horn gesammelter Chironomiden, mit Übersichtstabellen einiger Gruppen von paläarktischen Arten (Dipt.). *Entomologische Mitteilungen* **7**: 94-110.
- Kieffer, J. J. (1918) [30 August 1918] Chironomides d'Afrique et d'Asie conservés au Musée National Hongrois de Budapest. *Annales Historico-Naturales Musei Nationalis Hungarici* **16**: 31-136.
- Kieffer, J. J. (1919) [13 July 1919] Observations sur les Chironomides [Dipt.] décrits par J. R. Malloch. *Bulletin de la Société Entomologique de France* **1919**: 191-194.
- Kieffer, J. J. (1919) [15 December 1919] Microdiptères d'Afrique. *Bulletin de la Société d'Histoire Naturelle de l'Afrique du Nord* **10**: 191-206.
- Kieffer, J. J. (1921) [30 June 1921] Chironomides de Courlande. *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **40**: 275-298.
- Kieffer, J. J. (1921) [14 July 1921] Chironomides des Philippines et de Formose. *Philippine Journal of Science* **18**: 557-593.
- Kieffer, J. J. (1921) [26 November 1921] Neue Chironomiden aus Mitteleuropa. *Archiv für*

Hydrobiologie Supplement **2**(4): 785-808.

- Kieffer, J. J. (1921) [*7 December 1921] Chironomides nouveaux ou peu connus de la région paléarctique. *Bulletin de la Société d'Histoire Naturelle de la Moselle* **29**: 51-109.
- Kieffer, J. J. 1922 [6 March 1922] Étude sur les Chironomides de Formose. *Annales de la Société Linnéenne de Lyon* **68**: 149-163.
 [The 6 March 1922 date on the above paper is from a record of receipt on the copy at the Bavarian State Library in Munich; this date precedes the one of receipt at the NHM library, London (*12 September 1922) by nearly six months. The element of this paper relevant to Chironomidae is the introduction, which provides essential data on the provenance of chironomid material treated in a subsequent paper by Kieffer, J. J. (1923) [+31 December 1923] Étude sur les chironomides de Formose. *Annales de la Société Linnéenne de Lyon* **69**: 27-41.]
- Kieffer, J. J. (1922) [23 August 1922] Chironomides de la Nouvelle-Zemble. *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **2**: 1-24.
- Kieffer, J. J. (1922) [14 December 1922] Chironomides nouveaux ou peu connus de la région paléarctique. *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 71-128.
- Kieffer, J. J. (1922) [+31 December 1922] Synopse des représentants européens du genre *Camptocladus* (Diptères). *Mémoires de la Société de Vulgarisation des Sciences Naturelles des Deux-Sèvres* **4**: 26-37.
- Kieffer, J. J. (1923) [7 March 1923] Chironomides nouveaux ou peu connus de la région paléarctique. *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **42**: 138-180.
- Kieffer, J. J. (1923) [16 July 1923] Nouvelle contribution à l'étude des Chironomides de la Nouvelle-Zemble. *Report of the Scientific Results of the Norwegian Expedition to Novaya Zemlya* **9**: 3-11.
- Kieffer, J. J. (1923) [10 October 1923] Chironomides de l'Afrique Équatoriale. (3^e partie). *Annales de la Société Entomologique de France* **92**: 149-204.
- Kieffer, J. J. (1923) [+31 December 1923] Étude sur les chironomides de Formose. *Annales de la Société Linnéenne de Lyon* **69**: 27-41.
 [Essential data on the provenance of chironomid material published in the above paper (Ashe & Spies, 2011) is included in the introduction to Kieffer, J. J. 1922 [6 March 1922] Étude sur les chironomides de Formose. *Annales de la Société Linnéenne de Lyon* **68**: 149-163.]
- Kieffer, J. J. (1924) [22 March 1924] Six nouveaux Chironomides d'Afrique. *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **43**: 255-261.
- Kieffer, J. J. (1924) [22 March 1924] Chironomides non piqueurs de Java. *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **43**: 262-270.
- Kieffer, J. J. (1924) [18 June 1924] Quelques Chironomides nouveaux et remarquables du Nord de l'Europe. *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **43**: 390-397.
- Kieffer, J. J. (1924) [18 December 1924] Quelques nouveaux Chironomides de Scandinavie. *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 80-

86.

- Kieffer, J. J. (1924) [+31 December 1924] Chironomides nouveaux ou rares de l'Europe centrale. *Bulletin de la Société d'Histoire Naturelle de la Moselle* **30**: 11-110.
- Kieffer, J. J. (1925) [20 March 1925] Chironomides capturés sur les bords de la Mer Baltique. *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 227-230.
- Kieffer, J. J. (1925) [20 March 1925] Chironomides de la République Argentine. *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **44**: 73-92.
- Kieffer, J. J. (1925) [+31 March 1925] Chironomiden der Hochmoore Nordeuropas und des östlichen Mitteleuropas. In Dampf, A.: *Zur Kenntnis der estländischen Hochmoorfauna (III. Beitr.)*. *Beiträge zur Kunde Estlands* **10**: 145-163.
- Kieffer, J. J. (1925) [31 March 1925] Deux nouveaux genres des groupes *Corynoneura* et *Bezzia* [Dipt. Chironomidae]. *Annales de la Société Entomologique de France* **94**: 54.
- Kieffer, J. J. (1925) [29 May 1925] Nouveaux représentants de la tribu des Orthocladariæ (Diptères Chironomides). *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 382-388.
- Kieffer, J. J. (1925) [20 December 1925] Quatre nouveaux représentants du genre *Thienemanniella* Kieff. [Dipt. Chironomidae]. *Bulletin de la Société Entomologique de France* **1925**: 285.
- Kieffer, J. J. (1925) [29 December 1925] Deux genres nouveaux et plusieurs espèces nouvelles du groupe des Orthocladariæ (Diptères, Chironomides). *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **44**: 555-566.
- Kieffer, J. J. (1925) [+31 December 1925] Chironomides d'Égypte, (Dipt.). *Bulletin de la Société Royale Entomologique d'Égypte* **8** (1924): 244-313.
- Kieffer, J. J. (1926) [20 March 1926] Neue Chironomiden aus dem Deutschen Entomologischen Institut zu Berlin-Dahlem (Dipt.). *Entomologische Mitteilungen* **15**: 103-106.
- Kieffer, J. J. (1926) [30 March 1926] Quelques nouveaux Diptères du groupe Chironominae. *Annales de la Société Scientifique de Bruxelles, 1^{re} partie (Comptes Rendus)* **45**: 97-103.
- Kieffer, J. J. (1926) [11 May 1926] Chironomiden der 2. Fram-Expedition (1898-1902). *Norsk Entomologisk Tidsskrift* **2**: 78-89.
- Kieffer, J. J. (1927) [12 January 1927] Weitere Beiträge zur Chironomidenfauna Estlands. *Sitzungsberichte der Naturforscher-Gesellschaft bei der Universität Tartu* **33**: 59-70.
- Kieffer, J. J. (1929) [+31 December 1929] Zur Kenntnis der Chironomiden (Zuckmücken) des Zehlaubruches. *Schriften der Physikalisch-Ökonomischen Gesellschaft zu Königsberg* **66**: 287-312.
- Kieffer, J. J. and Lundbeck, W. (1911) [*22 November 1911] Diptera. Pp 272-275. In Koenig, A. (ed.) *Avifauna Spitsbergensis. Forschungsreisen nach der Bären-Insel und dem Spitsbergen-Archipel, mit ihrem faunistischen und floristischen Ergebnissen*. Bonn.
- Kieffer, J. J. and Thienemann, A. (1906) [18 June 1906] Über die Chironomidengattung *Orthocladius*. I. Zwei neue *Orthocladius*-Arten [Kieffer, J. J.: 143-146]. II. Larven

- und Puppen der Gattung *Orthocladius* [Thienemann, A.: 146-156]. *Zeitschrift für Wissenschaftliche Insektenbiologie* **2**: 143-156.
- Kieffer, J. J. and Thienemann, A. (1908) [5 March 1908] Neue und bekannte Chironomiden und ihre Metamorphose. I. Neue und bekannte Chironomiden. *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 1-10.
- Kieffer, J. J. and Thienemann, A. (1908) [5 March 1908] Neue und bekannte Chironomiden und ihre Metamorphose. I. Neue und bekannte Chironomiden. *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 33-39.
- Kieffer, J. J. and Thienemann, A. (1908) [26 March 1908] Neue und bekannte Chironomiden und ihre Metamorphose. I. Neue und bekannte Chironomiden. *Zeitschrift für Wissenschaftliche Insektenbiologie* **4**: 78-84.
- Kieffer, J. J. and Thienemann, A. (1909) [+31 December 1909] Beiträge zur Kenntnis der westfälischen Süßwasserfauna. I. Chironomiden. *Jahresberichte des Westfälischen Provinzial-Vereins für Wissenschaft und Kunst* **37**: 30-37.
- Kieffer, J. J. and Thienemann, A. (1919) [8 February 1919] Chironomiden, gesammelt von Dr. A. Koch (Münster i. W.) auf den Lofoten, der Bäreninsel und Spitzbergen (Dipt.). (Vorwort von A. Koch: 38-39). Chironomiden der nördlichen Polarregion. *Entomologische Mitteilungen* **8**: 38-48.
- Kieffer, J. J. and Thienemann, A. (1919) [14 June 1919] Chironomiden, gesammelt von Dr. A. Koch (Münster i. W.) auf den Lofoten, der Bäreninsel und Spitzbergen (Dipt.). (Vorwort von A. Koch: 38-39). Chironomiden der nördlichen Polarregion. *Entomologische Mitteilungen* **8**: 110-120.
- Kikuchi, M. and Sasa, M. (1990) [15 December 1990] Studies on the chironomid midges (Diptera, Chironomidae) of the Lake Toba area, Sumatra, Indonesia. *Japanese Journal of Sanitary Zoology* **41**(4): 291-329.
- Kikuchi, M. and Sasa, M. (1994) [+31 December 1994] Part 5. The chironomid species collected from fountain waters in Akagi and Kannami. *Research Report Toyama Prefectural Environmental Pollution Research Center* **1994**: 112-124.
- Knab, F. (1905) [**5 June 1905] A chironomid inhabitant of *Sarracenia purpurea*, *Metriocnemus knabi* Coq. *Journal of the New York Entomological Society* **13**(2): 69-73.
- Kobayashi, T. (1994) [25 December 1994] Synonymic notes on a genus and a species of the Orthoclaadiinae (Diptera, Chironomidae) from Japan. *Japanese Journal of Entomology* **62**(4): 745-746.
- Kobayashi, T. (1998) [25 March 1998] *Eurycnemus nozakii* sp. nov. (Diptera: Chironomidae), the second named *Eurycnemus* species. *Entomological Science* **1**(1): 109-114.
- Kobayashi, T. (2012) [12 March 2012] A new distinctive species of the genus *Orthocladius* with hairy eyes from Japan (Diptera: Chironomidae). *Zootaxa* **3230**: 52-58.
- Kobayashi, T. and Sæther, O. A. (1999) [15 July 1999] *Sasacricotopus*, a new orthoclad genus from Japan (Diptera, Chironomidae). *Acta Zoologica Academiae Scientiarum Hungaricae* **45**(2): 155-159.

- Kobayashi, T. and Sasa, M. (1991) [15 June 1991] Description of two new species of the chironomid midges collected from the Tama River, Tokyo (Diptera, Chironomidae). *Japanese Journal of Sanitary Zoology* **42**(2): 71-75.
- Kobayashi, T. and Suzuki, H. (1999) [22 September 1999] The first record of the genus *Apometriocnemus* Sæther, 1985: *A. japonicus* sp. n. from the Palaearctic Region (Diptera: Chironomidae). *Tijdschrift voor Entomologie* **142**(1): 65-67.
- Kobayashi, T., Oktaka, A., Kasuya, S. and Kaga, K. (2011) [10 June 2011] *Hydrobaenus tsugaruensis* sp.n. with extremely short male antenna from Tsugaru peninsula, northern Japan (Diptera: Chironomidae). Pp 73-87. In Wang, X. and Liu, W. (eds) *Contemporary Chironomid Studies —Proceedings of the 17th International Symposium on Chironomidae (July 6-9, 2009 Nankai University, China)*. Nankai University Press. 412 pp, 18 plates.
[According to Dr Xinhua Wang (pers. comm. to P. Ashe) the proceedings were published on the 10 June 2011.]
- Kong, F. and Wang, X. (2011) [6 January 2011] *Heterotrissocladius* Spärck from China (Diptera: Chironomidae). *Zootaxa* **2733**: 63-68.
- Kong, F., Sæther, O. A. and Wang, X. (2012) [11 June 2012] A review of the subgenus *Eudactylocladius* from China (Diptera: Chironomidae). *Zootaxa* **3341**: 46-53.
- Kong, F., Liu, W. and Wang, X. (2011) [+31 October 2011] *Mesosmittia* Brundin from China (Diptera, Chironomidae). *Acta Zootaxonomica Sinica* **36**(4): 890-895.
- Kong, F., Liu, W. and Wang, X. (2012) [+31 January 2012] Two new record subgenera of *Orthocladius* from China (Diptera, Chironomidae). *Acta Zootaxonomica Sinica* **37**(1): 181-184.
- Konstantinov, A. S. (1948) [6 December 1948] O Chironomidae basseina r. Amur (On the Chironomidae of the basin of the River Amur). *Doklady Akademii Nauk SSSR* **63**(3): 333-336.
[The above issue of the journal was received by the Zoological Institute in Leningrad (now St Petersburg), on the 6 December 1980, according to the card index of the library (Dr Andrey Przhiboro pers. comm. to P. Ashe), which is currently regarded as the earliest provable date of publication.]
- Konstantinov, A. S. (1952) [+31 December 1952] Novye lichinki khironomid iz basseina Amura [New chironomid larvae from the basin of the River Amur]. *Trudy Amurskoi Ikhtiologicheskoi Ekspeditsii 1945-1949 gg. 3. Materialy k Poznaniyu Fauny i Flory SSSR (N. S.)* **32**: 390-395.
- Kownacki, A. and Zosidze, R. (1973) [+31 March 1973] *Parametriocnemus stylatus adzharicus* n.ssp. (Chironomidae, Diptera). *Bulletin de la Académie Polonaise des Sciences, Série des Sciences Biologiques* **21**(2): 127-130.
- Krasheninnikov, A. B. (2012) [13 April 2012] Novyi i maloizvestnye vidy khironomid podsemeistva Orthocladiinae (Diptera, Chironomidae) Urala (A new and little known chironomid species of subfamily Orthocladiinae (Diptera, Chironomidae) from the Urals) *Evraziatskii Entomologicheskii Zhurnal* **11**(1): 83-86.
- Krasheninnikov, A. B. and Makarchenko, M. A. (2008) [+31 December 2008] *Prosmittia verae* sp. n. – novyi vid komarov-zvontsov (Diptera: Chironomidae: Orthocladiinae)

- iz okrestnostei Sochi (Severnyi Kavkaz) (*Prosmittia verae* sp. n. - a new chironomid species (Diptera: Chironomidae: Orthocladiinae) from the environs of Sochi town (the northern Caucasus)). *Kavkazskii Entomologicheskii Byulleten* **4**(3): 359-361.
- Krasheninnikov, A. B. and Makarchenko, E. A. (2009) [29 April 2009] Novye i maloizvestnyi vidy khironomid (Diptera, Chironomidae, Orthocladiinae) iz Visherskogo gosudarstyennogo prirodnogo zapovednika (Severnyi Ural) (New and little known species of chironomids (Diptera, Chironomidae, Orthocladiinae) of the Vishersky Nature Reserve (north Ural). *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 97-101.
- Krasheninnikov, A. B. and Makarchenko, E. A. (2011) [16 June 2011] *Hydrobaenus vernus* sp.n. (Diptera, Chironomidae, Orthocladiinae) from the Kama River Basin of the Middle Urals (Perm Territory, Russia). *Evraziatskii Entomologicheskii Zhurnal* **10**(2): 201-202.
- Krestian, B. J., Kosnicki, E., Spindler, P. H., Stringer, S. and Epler, J. H. (2010) [13 May 2010] First Nearctic records of *Oliveiriella* Wiedenbrug and Fittkau, with new distributional records for two other New World species of Orthocladiinae (Diptera: Chironomidae). *Entomological News* **120**(4): 349-362.
- Krosch, M. N., Baker, A. M., Mather, P. B. and Cranston, P. S. (2011) [+31 May 2011] Systematics and biogeography of the Gondwanan Orthocladiinae (Diptera: Chironomidae). *Molecular Phylogenetics and Evolution* **59**(2): 458-468.
- Krüger, F. and Thienemann, A. (1941) [15 September 1941] Terrestrische Chironomiden. XI. Die Gattung *Gymnometriocnemus* Goetgh. (Mit einem Beitrag von M. Goetghebuer, Gent.). *Zoologischer Anzeiger* **135**(9/10): 185-195.
- Langton, P. H. (1985) [30 March 1985] Review of type specimens of the *limbatellus* group, with a provisional key to known females of *Psectrocladius* Kieffer (Diptera: Chironomidae). *Entomologica Scandinavica* **15**(4): 477-485.
- Langton, P. H. and Cobo, F. (1992) [+31 October 1992] *Hydrobaenus cranstoni* n. sp. (Diptera: Chironomidae) from north-west Spain. *British Journal of Entomology and Natural History* **5**(4): 139-141.
- Langton, P. H. and Cobo, F. (1997) [31 October 1997] *Metriocnemus (Inermipupa) carmentitabertarum* subgen. n., sp. n. (Diptera: Chironomidae) from Spain and Portugal. *Entomologist's Gazette* **48**: 263-271.
- Langton, P. H. and Cranston, P. S. (1991) [+30 April 1991] Pupae in nomenclature and identification: West Palaearctic *Orthocladius* s. str. (Diptera: Chironomidae) revised. *Systematic Entomology* **16**(2): 239-252.
- Langton, P. H. and Moubayed, J. (2001) [28 August 2001] *Limnophyes roquehautensis* sp. n. and *L. inanispatina* sp. n. from southern France (Diptera, Chironomidae). *Nouvelle Revue d'Entomologie (Nouvelle Série)* **18**(1): 3-8.
- Langton, P. H. & Visser, H. (2003) [5 June 2003] *Chironomidae exuviae – a key to pupal exuviae of the West Palaearctic Region*. CD-ROM, Expert Center for Taxonomic Information, Amsterdam.
- [Martin Spies (pers. comm. to P. Ashe) received his copy on the 5th June 2003 which is regarded as the publication date until proven otherwise.]

- Laurence, B. R. (1951) [15 June 1951] On two neglected type designations in the genus *Hydrobaenus* Fries, 1830 (Dipt., Chironomidae). *Entomologist's Monthly Magazine* **86**: 164-165.
- Laville, H. (1972) [+31 January 1972] Recherches sur les Chironomides [Diptera] lacustres du Massif de Néouvielle (Hautes-Pyrénées). Première partie: Systématique, écologie, phénologie. *Annales de Limnologie* **7**(2): 173-332.
[This publication is usually wrongly cited as 1971 but the volume includes the wording "Achévé d'imprimer en janvier 1972" (= printed in January 1972) and currently the earliest provable date of publication is +31 January 1972.]
- Laville, H. and Moubayed, Z. (1985) [*15 July 1985] Les Chironomidés (Diptera) du Liban. II. Description de l'imago ♂ et de la nymphe de *Thienemannia libanica* n.sp. *Annales de Limnologie* **21**(1): 77-82.
- Leader, J. P. (1975) [5 March 1975] Three new chironomids (Diptera: Chironomidae) from the New Zealand seashore. *New Zealand Journal of Zoology* **2**(2) 209-214.
[Date of publication for the May 1975 issue which includes Leader (1975) is the 5 March 1975 and not the 26 May 1975 as given in Evenhuis (1989: 904) which is the date of publication of the next (August 1975) issue.]
- Léger, L. and Motaş, C. (1928) [*4 May 1928] Parasitisme et phénomène de transport d'un Hydracarien chez un Chironomide du genre *Cricotopus*. *Comptes Rendus Hebdomadaires des Séances de l'Académie des Sciences* **186**(18): 1238-1239.
- Lehmann, J. (1969) [*23 December 1969] Die europäischen Arten der Gattung *Rheocricotopus* Thien. und Harn. und drei neue Artvertreter dieser Gattung aus der Orientalis (Diptera, Chironomidae). *Archiv für Hydrobiologie* **66**(3): 348-381.
- Lehmann, J. (1972) [+31 December 1972] Revision der europäischen Arten (Puppen ♂♂ und Imagines ♂♂) der Gattung *Eukiefferiella* Thienemann. *Beiträge zur Entomologie* **22**(7/8): 347-405.
- Lehmann, J. (1979) [1 September 1979] Chironomidae (Diptera) aus Fließgewässern Zentralafrikas (Systematik, Ökologie, Verbreitung und Produktionsbiologie). I. Teil: Kivu-Gebiet, Ostzaira. *Spixiana Supplement* **3**: 1-144.
- Lehmann, J. (1981) [1 June 1981] Chironomidae (Diptera) aus Fließgewässern Zentralafrikas. Teil II: Die region um Kisangani, Zentralzaira. *Spixiana Supplement* **5**: 1-85.
- Lellák, J. (1971) [+30 April 1971] Klíč k určení larev pakomárů čeledi Chironomidae (se zřetelem k fauně Československa) (Key to the determination of chironomid larvae of the Family Chironomidae). *Acta Universitatis Carolinae Biologica* **1** **1970**: 1-110.
- LeSage, L. and Harrison, A. D. (1981) [+30 April 1981] Taxonomy of *Cricotopus* species (Diptera: Chironomidae) from Salem Creek, Ontario. *Proceedings of the Entomological Society of Ontario* **111**: 57-114.
[The paper appeared in volume 111 for the year 1980 but it was not published until April 1981 and currently the earliest provable date of publication is the +30 April 1981.]
- Linevich, A. A. (1953) [26 November 1953] Tendipedidy verkhnego uchastka r. Angary [The Tendipedidae of the upper reach of the River Angara]. *Trudy Irkutskogo Gosudarstvennogo Universiteta imeni A. A. Zhdanova* **7**(1/2): 153-175.

[The above issue of the journal was received by the Zoological Institute in Leningrad (now St Petersburg), on the 26 November 1953, according to the card index of the library (Dr Andrey Przhiboro pers. comm. to P. Ashe), which is currently regarded as the earliest provable date of publication.]

- Linevich, A. A. (1957) [27 April 1957] O lichinkakh tendipedid verkhnego otrezka r. Angary ot istoka do g. Irkutsk [On the tendipedid larvae of the upper section of the River Angara from the source to Irkutsk]. *Izvestiya Biologo-geograficheskogo Nauchno-issledovatel'skogo Instituta pri Irkutskom Gosudarstvennom Universitete imeni A. A. Zhdanova* **17**(1/4): 144-154.

[The above issue of the journal was received by the Zoological Institute in Leningrad (now St Petersburg), on the 27 April 1957, according to the card index of the library (Dr Andrey Przhiboro pers. comm. to P. Ashe), which is currently regarded as the earliest provable date of publication.]

- Linevich, A. A. (1961) [28 October 1961] K voprosu o formirovanii fauny tendipedid (Diptera, Tendipedidae) ozera Baikal. (On the problem of the tendipedid fauna (Diptera, Tendipedidae) formation of Lake Baikal). *Entomologicheskoe Obozrenie* **40**(3): 501-511.

[The above issue of the journal was received by the Zoological Institute in Leningrad (now St Petersburg), on the 28 October 1961, according to the card index of the library (Dr Andrey Przhiboro pers. comm. to P. Ashe), which is currently regarded as the earliest provable date of publication.]

- Linevich, A. A. (1963) [14 February 1963] K biologii komarov semeistva Tendipedidae [Contribution to the biology of midges of the family Tendipedidae]. *Trudy Limnologicheskogo Instituta* **1**: 3-48.

[The above issue of the journal was received by the Zoological Institute in Leningrad (now St Petersburg), on the 14 February 1963, according to the card index of the library (Dr Andrey Przhiboro pers. comm. to P. Ashe), which is currently regarded as the earliest provable date of publication.]

- Linevich, A. A. (1970) [+31 December 1970] K sistematike massovykh vidov roda *Orthocladius* Wulp. iz litorali Baikala [On the systematics of mass species of the genus *Orthocladius* Wulp from the littoral of Lake Baikal]. *Izvestiya Biologo-geograficheskogo Nauchno-issledovatel'skogo Instituta pri Irkutskom Gosudarstvennom Universitete imeni A. A. Zhdanova* **23**(1): 118-130.

- Linevich, A. A., Makarchenko, E. A. and Aleksandrov, V. N. (2002) [+31 December 2002] *Khironomidy Baikala i Pribaikal'ya: Tanypodiinae, Diamesinae, Prodiamesinae, Orthocladiinae* (Chironomids of Baikal and Cisbaikalia: Podonominae, Tanypodiinae, Diamesinae, Prodiamesinae, Orthocladiinae). Nauka, Novosibirsk: 1-135.

- Linnaeus, C. (1758) [1 January 1758] *Systema naturæ per regna tria naturæ, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis. Tomus I. Editio decima, reformata*. L. Salvius, Holmiae [= Stockholm]. [iv] + 824pp. [Date of publication fixed as the 1 January 1758 in Article 3 of the *International Code of Zoological Nomenclature* (1999).]

- Linnaeus, C. (1767) [14 June 1767] *Systema naturæ, per regna tria naturæ, secundum classes, ordines, genera, species, cum characteribus, differentiis, synonymis, locis. Editio duodecima, reformata. Tomus I. Pars 2.* L. Salvii, Holmiae [= Stockholm]. 533-1327 + [36] pp.
[Publication date is from Evenhuis (1997: 482). Linnaeus was enobled by the Swedish King in 1761 which entitled him to use the surname Linné which was used on the title page of the above 1767 work (Martin Spies pers. comm. to P. Ashe). However, to avoid creating unnecessary confusion, in literature citation and as the authority of several chironomid taxa, we prefer to only use the name Linnaeus.]
- Lipina, N. N. (1939) [+31 December 1939] Novye formy molodykh stadii Chironomidae podopytnykh ozer sapropelovoi stantsii v Zaluchie. (New forms of young stages of Chironomidae in the experimental lakes of sapropel station in Zaluchie.). *Trudy Laboratorii Sapropelovykh Otlozhenii Akademii Nauk SSSR* **1**: 90-107.
- Lipina, N. N. (1949) [+31 December 1949] Lichinki tendipedid oz. Teletskogo, ego pritokov i reki Bii (The tendipedid larvae of Lake Teletskoe, its tributaries, and of the River Biya). *Trudy Zoologicheskogo Instituta, Leningrad* **7**: 193-212.
- Liu, Y. and Wang, X. (2005) [10 January 2005] A review of the genus *Parorthocladius* Thienemann from China (Diptera: Chironomidae: Orthoclaadiinae). *Zootaxa* **802**: 1-8.
- Liu, Y. and Wang, X. (2005) [4 October 2005] *Synorthocladius* Thienemann from China, with a review of the genus (Diptera: Chironomidae: Orthoclaadiinae). *Zootaxa* **1057**: 51-60.
- Liu, Y. and Wang, X. (2006) [24 April 2006] *Tokunagaia* Sæther from China (Diptera: Chironomidae: Orthoclaadiinae). *Zootaxa* **1183**: 43-56.
- Loew, H. (1864) [+28 February 1864] Diptera Americae septentrionalis indigena. Centuria quinta. *Berliner Entomologische Zeitschrift* **8**(1/2): 49-104.
- Lundbeck, W. (1898) [+31 December 1898] Diptera groenlandica. *Videnskabelige Meddelelser fra Dansk Naturhistorisk Forening i Kjøbenhavn* **5**: 236-314.
- Lundström, C. (1910) [+31 December 1910] Beiträge zur Kenntnis der Dipteren Finnlands. VI. Chironomidæ. *Acta Societatis pro Fauna et Flora Fennica* **33**(10): 1-46.
- Lundström, C. (1914) [22 April 1914] Verzeichnis mehrerer von Dr. E. Strand in Norwegen gesammelten Diptera Nematocera. *Nytt Magazin for Naturvidenskaberne* **51**(4): 310-319.
[This paper is usually incorrectly cited as 1913 but was published on the 22 April 1914 as indicated on the reverse of page 383 of the issue.]
- Lundström, C. (1915) [+28 February 1915] Diptera Nematocera aus den arctischen Gegenden Sibiriens. *Résultats scientifiques de l'Expédition Polaire Russe en 1900-1903, sous la direction du Baron E. Toll. Section E: Zoologie* 2(8). *Zapiski Imperatorskoi Akademii Nauk, Série 8, Classe physico-mathématique* **29**(8): 1-33.
- Macquart, J. (1826) [16 September 1826] Insectes diptères du Nord de la France. I. Tipulaires. *Recueil des Travaux de la Société d'Amateurs des Sciences, de l'Agriculture et des Arts de Lille* **1823-1824**: 59-224.
[Publication date is from Evenhuis (1997: 510).]

- Macquart, J. (1834) [31 March 1834] *Histoire naturelle des insectes. Ouvrage accompagné de planches. Diptères*. Vol. 1. N. E. Roret, Paris. 578pp., 12pls.
[Publication date for Vol. 1 is from Evenhuis (1997: 510), Vol. 2 not relevant for Chironomidae was published in 1835.]
- Maheshwari, G. and Maheshwari, G. (2002) [26 February 2002] Some new Chironomidae from South and Middle Andaman Islands, India (Diptera: Chironomidae). *Journal of the Bombay Natural History Society* **98**(3): 406-421.
[The publication date given in square brackets in Pittie (2003: 609) of the 26th February 2002 is considered to be the correct publication date and not the 1st December 2001.]
- Makarchenko, E. A. (1977) [1 April 1977] Nekotorye Diamesinae i Orthoclaadiinae (Diptera, Chironomidae) zapovednika "Kedrovaya pad" [Some Diamesinae and Orthoclaadiinae (Diptera, Chironomidae) from "Kedrovaya pad" Nature Reserve]. In *Presnovodnaya Fauna Zapovednika "Kedrovaya pad". Trudy Biologo-Pochvennogo Instituta Dal'nevostochnogo Nauchnogo Tsentra Akademii Nauk SSSR (Novaia Seria)* **45**: 109-125.
[Dr E. A. Makarchenko (pers. comm. to P. Ashe) has determined that the paper was published on the 1st April 1977 – the "+31 December 1977" publication date given in Ashe & O'Connor (2009: 393) is incorrect.]
- Makarchenko, E. A. (2000) [1 July 2000] *Cricotopus (Cricotopus) reissi*, spec. nov. from Chukchi Peninsula, northeastern Russia (Insecta, Diptera, Chironomidae). In Baehr, M. and Spies, M. (eds): *Contributions to chironomid research in memory of Dr. Friedrich Reiss (Insecta, Diptera)*. *Spixiana* **23**(2): 113-116.
- Makarchenko, E. A. and Makarchenko, M. A. (2002) [11 February 2002] Fauna khironomid podsemeistva Orthoclaadiinae (Diptera, Chironomidae) ostrova Vrangelya [Chironomid fauna of the subfamily Orthoclaadiinae (Diptera, Chironomidae) of Wrangel Island]. In *Chteniya Pamyati Vladimira Yakovlevicha Levanidova (Vladimir Ya. Levanidov's Biennial Memorial Meetings)* **1**: 174-186. Dal'nauka, Vladivostok.
[Dr E. A. Makarchenko (pers. comm. to P. Ashe) has determined that the paper was published on the 11th February 2002 and not in 2001.]
- Makarchenko, E. A. and Makarchenko, M. A. (2003) [31 March 2003] Novyi vid *Psectrocladius* Kieffer (Diptera, Chironomidae, Orthoclaadiinae) s yuga rossiiskogo Dal'nego Vostoka (A new species of *Psectrocladius* Kieffer (Diptera, Chironomidae, Orthoclaadiinae) from the south of Russian Far East). *Evrziatskii Entomologicheskii Zhurnal* **2**(1): 61-66.
- Makarchenko, E. A. and Makarchenko, M. A. (2003) [25 June 2003] Novyi i maloizvestnyi vidy *Stilocladius* Rossaro, 1979 (Diptera, Chironomidae, Orthoclaadiinae) s rossiiskogo Dal'nego Vostoka (A new and little known species of *Stilocladius* Rossaro, 1979 (Diptera, Chironomidae, Orthoclaadiinae) from the Russian Far East). *Evrziatskii Entomologicheskii Zhurnal* **2**(2): 135-140.
- Makarchenko, E. A. and Makarchenko, M. A. (2003) [20 December 2003] Novyi i maloizvestnyi vidy komarov-zvontsov (Diptera, Chironomidae) iz Yuzhnogo Primor'ya (Dal'nii Vostok Rossii) (New and little known species of non-biting

- midges (Diptera, Chironomidae) from South Primorye (Russian Far East). *Evrziatskii Entomologicheskii Zhurnal* **2**(3): 215-219.
- Makarchenko, E. A. and Makarchenko, M. A. (2003) [3 November 2003] Novye i maloizvestnye vidy khironomid (Diptera, Chironomidae) Rossiiskogo Dal'nego Vostka (New and little-known species of chironomid (Diptera, Chironomidae) of the Russian Far East). In *Chteniya Pamyati Vladimira Yakovlevicha Levanidova (Vladimir Ya. Levanidov's Biennial Memorial Meetings)* **2**: 204-217. Dal'nauka, Vladivostok.
[Dr E. A. Makarchenko (pers. comm. to P. Ashe) has determined that the paper was published on the 3rd November 2003.]
- Makarchenko, E. A. and Makarchenko, M. A. (2004) [30 December 2004] *Ninelia* gen.n. – novyi pod Orthoclaadiinae (Diptera, Chironomidae) iz Yuzhnogo Primor'ya (rossiiskii Dal'nii Vostok) (*Ninelia* gen.n., a new genus of Orthoclaadiinae (Diptera, Chironomidae) from South Primorye (Russian Far East). *Evrziatskii Entomologicheskii Zhurnal* **3**(4): 307-310.
- Makarchenko, E. A. and Makarchenko, M. A. (2004) [30 December 2004] Khironomidy roda *Chaetocladius* Kieffer (Diptera, Chironomidae, Orthoclaadiinae) rossiiskogo Dal'nego Vostoka (*Chaetocladius* Kieffer (Diptera, Chironomidae, Orthoclaadiinae) in the Russian Far East). *Evrziatskii Entomologicheskii Zhurnal* **3**(4): 311-317.
- Makarchenko, E. A. and Makarchenko, M. A. (2004) [25 October 2004] Novye i maloizvestnyi vidy komarov-zvontsov podsemeistva Orthoclaadiinae (Diptera, Chironomidae) s ostrova Sakhalin (New and little-known chironomids of the subfamily Orthoclaadiinae (Diptera, Chironomidae) from Sakhalin Island). Pp 214-223. In Storozhenko, S.Yu. (Ed.) *Flora and fauna of Sakhalin Island*. (Material of International Sakhalin Project). Part 1. Dalnauka, Vladivostok. 256 pp.
[Dr E. A. Makarchenko (pers. comm. to P. Ashe) has determined that the paper was published on the 25th October 2004.]
- Makarchenko, E. A. and Makarchenko, M. A. (2005) [31 March 2005] K sistematike nekotorykh Orthoclaadiinae (Diptera, Chironomidae) rossiiskogo Dal'nego Vostoka (On the taxonomy of some Orthoclaadiinae (Diptera, Chironomidae) of the Russian Far East). *Evrziatskii Entomologicheskii Zhurnal* **4**(1): 69-80.
- Makarchenko, E. A. and Makarchenko, M. A. (2005) [30 June 2005] Khironomidy roda *Rheocricotopus* Thienemann et Harnisch, 1932 (Diptera, Chironomidae, Orthoclaadiinae) rossiiskogo Dal'nego Vostoka (Chironomids of the genus *Rheocricotopus* Thienemann et Harnisch, 1932 (Diptera, Chironomidae, Orthoclaadiinae) of the Russian Far East). *Evrziatskii Entomologicheskii Zhurnal* **4**(2): 125-136.
- Makarchenko, E. A. and Makarchenko, M. A. (2005) [30 November 2005] A new species, *Aagaardia oksanae* sp.n. (Diptera, Chironomidae, Orthoclaadiinae) from Sikhotealin' Biosphere Nature Reserve. *Evrziatskii Entomologicheskii Zhurnal* **4**(3): 235-236.
- Makarchenko, E. A. and Makarchenko, M. A. (2005) [4 July 2005] Novye vidy khironomid (Diptera, Chironomidae) Rossiiskogo Dal'nego Vostka (New species of chironomids

- (Diptera, Chironomidae) of the Russian Far East). In *Chteniya Pamyati Vladimira Yakovlevicha Levanidova (Vladimir Ya. Levanidov's Biennial Memorial Meetings)* **3**: 374-382. Dal'nauka, Vladivostok.
- [Dr E. A. Makarchenko (pers. comm. to P. Ashe) has determined that the paper was published on the 4th July 2005.]
- Makarchenko, E. A. and Makarchenko, M. A. (2006) [+28 February 2006] Chironomids of the genus *Bryophaenocladus* Thienemann, 1934 (Diptera, Chironomidae, Orthoclaadiinae) from the Russian Far East. *Far Eastern Entomologist* **158**: 1-24.
- Makarchenko, E. A. and Makarchenko, M. A. (2006) [28 April 2006] Novye vidy khironomid roda *Orthocladus* van der Wulp, 1874 (Diptera, Chironomidae) s Rossiiskogo Dal'nego Vostoka (New chironomid species of the genus *Orthocladus* van der Wulp, 1874 (Diptera, Chironomidae) from the Russian Far East). *Evraziatskii Entomologicheskii Zhurnal* **5**(1): 57-67.
- Makarchenko, E. A. and Makarchenko, M. A. (2006) [30 June 2006] Khironomidy rodov *Corynoneura* Winnertz, 1846 i *Thienemanniella* Kieffer, 1919 (Diptera, Chironomidae, Orthoclaadiinae) rossiiskogo Dal'nego Vostoka (Chironomids of the genera *Corynoneura* Winnertz, 1846 and *Thienemanniella* Kieffer, 1919 (Diptera, Chironomidae, Orthoclaadiinae) of the Russian Far East). *Evraziatskii Entomologicheskii Zhurnal* **5**(2): 151-162.
- Makarchenko, E. A. and Makarchenko, M. A. (2006) [6 July 2006] Three new species of chironomids (Diptera: Chironomidae: Orthoclaadiinae) from the Russian Far East. *Russian Entomological Journal* **15**(1): 73-77.
- Makarchenko, E. A. and Makarchenko, M. A. (2006) [6 July 2006] Novye i maloizvestnyi vidy khironomid podsemeistva Orthoclaadiinae (Diptera: Chironomidae) s rossiiskogo Dal'nego Vostoka (New or little-known chironomids of Orthoclaadiinae (Diptera: Chironomidae) from the Russian Far East). *Russian Entomological Journal* **15**(1): 83-92.
- Makarchenko, E. A. and Makarchenko, M. A. (2006) [29 December 2006] *Chaetocladus* (s. str.) *amurensis* sp.n. (Diptera, Chironomidae, Orthoclaadiinae) from the Amur River basin (Russian Far East). *Evraziatskii Entomologicheskii Zhurnal* **5**(4): 276-277.
- Makarchenko, E. A. and Makarchenko, M. A. (2006) [1 August 2006] Podsemeistva Orthoclaadiinae (Subfamily Orthoclaadiinae). Pp 280-372, 482-530, 623-671. *Opredelitel' nasekomykh Dal'nego Vostoka Rossii. Dvukrylye i blokhi* (Key to the insects of Russian Far East. Diptera and Siphonaptera). Volume **6** (Part 4): 1-934. Dal'nauka Vladivostok.
- [Dr E. A. Makarchenko (pers. comm. to P. Ashe) has determined that the above publication was published on the 1st August 2006.]
- Makarchenko, E. A. and Makarchenko, M. A. (2007) [31 March 2007] Chironomids of *Prosmittia* Brundin (Diptera: Chironomidae: Orthoclaadiinae) from the Russian Far East. *Russian Entomological Journal* **16**(1): 119-122.
- Makarchenko, E. A. and Makarchenko, M. A. (2007) [18 April 2007] A review of *Tokunagaia* Sæther (Diptera, Chironomidae) from the Russian Far East, with the description of four new species. Pp 181-192. In Andersen, T. (ed.) *Contributions to*

the systematics and ecology of aquatic Diptera: - a tribute to Ole A. Sæther. The Caddis Press, Columbus, Ohio.

[According to Prof. Trond Andersen (pers. comm. to P. Ashe) the volume was published on the 18 April 2007.]

- Makarchenko, E. A. and Makarchenko, M. A. (2007) [23 November 2007] Novye nakhodki khironomid (Diptera, Chironomidae) na rossiiskom Dal'nem Vostoke. I. Podsemeistvo Orthoclaadiinae (New records of chironomids (Diptera, Chironomidae) in the Russian Far East. I. Subfamily Orthoclaadiinae). *Evraziatskii Entomologicheskii Zhurnal* **6**(3): 299-310.
- Makarchenko, E. A. and Makarchenko, M. A. (2007) [28 December 2007] Novye nakhodki khironomid (Diptera, Chironomidae, Orthoclaadiinae) na Dal'nem Vostoke i sopredel'nykh territoriyakh. II. *Cricotopus* van der Wulp, 1874 (New records of chironomids Diptera, Chironomidae, Orthoclaadiinae) from the Far East and bordering territories. II. *Cricotopus* van der Wulp, 1874). *Evraziatskii Entomologicheskii Zhurnal* **6**(4): 439-447.
- Makarchenko, E. A. and Makarchenko, M. A. (2008) [7 April 2008] *Doithrix doriceni* sp.n. (Diptera, Chironomidae, Orthoclaadiinae) from South Primorye of the Russian Far East. *Evraziatskii Entomologicheskii Zhurnal* **7**(1): 68-70.
- Makarchenko, E. A. and Makarchenko, M. A. (2008) [18 November 2008] Novye nakhodki khironomid (Diptera, Chironomidae, Orthoclaadiinae) na Dal'nem Vostoke i sopredel'nykh territoriyakh. III. *Orthocladius* van der Wulp (New findings of chironomids (Diptera, Chironomidae, Orthoclaadiinae) in Far East and bordering territories. III. *Orthocladius* van der Wulp). *Evraziatskii Entomologicheskii Zhurnal* **7**(3): 243-262.
- Makarchenko, E. A. and Makarchenko, M. A. (2008) [12 November 2008] Review of the genus *Pseudosmittia* Edwards (Diptera, Chironomidae, Orthoclaadiinae) from the Russian Far East. *Russian Entomological Journal* **17**(2): 217-228.
- Makarchenko, E. A. and Makarchenko, M. A. (2009) [17 April 2009] New findings of chironomids (Diptera, Chironomidae) in Far East and bordering territories. IV. Subfamily Orthoclaadiinae. *Evraziatskii Entomologicheskii Zhurnal* **8**(1): 117-124.
- Makarchenko, E. A. and Makarchenko, M. A. (2009) [29 April 2009] Novye nakhodki khironomid (Diptera, Chironomidae, Orthoclaadiinae) na Dal'nem Vostoke i sopredel'nykh territoriyakh. VII. *Bryophaenocladius* Thienemann (New records of chironomids (Diptera, Chironomidae, Orthoclaadiinae) in Far East and bordering territories. VII. *Bryophaenocladius* Thienemann). *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 51-63.
- Makarchenko, E. A. and Makarchenko, M. A. (2009) [29 April 2009] Pervye sredeniya po faune khironomid (Diptera, Chironomidae) basseina reku Langry (Severo-Zapadnyi Sakhalin) (First data on the chironomid fauna (Diptera, Chironomidae) of the Langry River basin (north west part of Sakhalin Island). *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 71-77.

- Makarchenko, E. A. and Makarchenko, M. A. (2009) [17 August 2009] *Propsilocerus amurensis* sp.n. (Diptera, Chironomidae, Orthocladiinae) from Amur River basin (Russian Far East. *Evrziatskii Entomologicheskii Zhurnal* **8**(2): 261-263.
- Makarchenko, E. A. and Makarchenko, M. A. (2009) [24 November 2009] Novye nakhodki khironomid (Diptera, Chironomidae) na Dal'nem Vostoke i sopredel'nykh territoriyakh. VIII. Podsemeistvo Orthocladiinae (New records of chironomids (Diptera, Chironomidae) from the Far East and bordering territories. VIII. Subfamily Orthocladiinae). *Evrziatskii Entomologicheskii Zhurnal* **8**(3): 326-334.
- Makarchenko, E. A. and Makarchenko, M. A. (2009) [23 December 2009] New data on the taxonomy and distribution of *Tokunagaia* Sather (Diptera, Chironomidae, Orthocladiinae) in the Russian Far East. *Evrziatskii Entomologicheskii Zhurnal* **8**(4): 421-428.
- Makarchenko, E. A. and Makarchenko, M. A. (2010) [11 May 2010] Novye nakhodki khironomid (Diptera, Chironomidae, Orthocladiinae) na Dal'nem Vostoke i sopredel'nykh territoriyakh. IX. Rod *Eukiefferiella* Thienemann (New findings of chironomids (Diptera, Chironomidae, Orthocladiinae) from the Far East and bordering territories. IX. Genus *Eukiefferiella* Thienemann). *Evrziatskii Entomologicheskii Zhurnal* **9**(1): 65-82.
- Makarchenko, E. A. and Makarchenko, M. A. (2010) [22 November 2010] Novye dannye po faune i taksonomii khironomid roda *Corynoneura* Winnertz (Diptera, Chironomidae, Orthocladiinae) rossiiskogo Dal'nego Vostoka i sopredel'nykh territorii (New data on the fauna and taxonomy of *Corynoneura* Winnertz (Diptera, Chironomidae, Orthocladiinae) for the Russian Far East and bordering territories). *Evrziatskii Entomologicheskii Zhurnal* **9**(3): 353-370.
- Makarchenko, E. A. and Makarchenko, M. A. (2010) [22 November 2010] Obzor khironomid roda *Parakiefferiella* Thienemann (Diptera, Chironomidae, Orthocladiinae) rossiiskogo Dal'nego Vostoka (A review of *Parakiefferiella* Thienemann (Diptera, Chironomidae, Orthocladiinae) from the Russian Far East). *Evrziatskii Entomologicheskii Zhurnal* **9**(3): 397-410.
- Makarchenko, E. A. and Makarchenko, M. A. (2010) [22 November 2010] *Hydrobaenus tiunovi* sp.n. (Diptera, Chironomidae, Orthocladiinae) from Sokhondinsky State Biosphere Reserve (Zabaikal'sky Territory, Russia. *Evrziatskii Entomologicheskii Zhurnal* **9**(3): 411-412.
- Makarchenko, E. A. and Makarchenko, M. A. (2011) [12 December 2011] *Chaetocladius* (s. str.) *antipovae* sp.n. (Diptera, Chironomidae, Orthocladiinae) from the Amur River basin (Russian Far East). *Evrziatskii Entomologicheskii Zhurnal* **10**(3): 383-384.
- Makarchenko, E. A. and Makarchenko, M. A. (2011) [12 December 2011] Novye i maloizvestnye vidy khironomid (Diptera, Chironomidae) iz Yuzhnoi Yakutii i sopredel'noi territorii (New or little-known species of chironomids (Diptera, Chironomidae) from South Yakutia and bordering territory). *Evrziatskii Entomologicheskii Zhurnal* **10**(3): 389-396.
- Makarchenko, E. A. and Makarchenko, M. A. (2011) [30 December 2011] Obzor khironomid roda *Krenosmittia* Thienemann et Krüger, 1939 (Diptera, Chironomidae,

- Orthoclaadiinae) rossiiskogo i sopredel'noi territorii (Review of the genus *Krenosmittia* Thienemann et Krüger, 1939 (Diptera, Chironomidae, Orthoclaadiinae) from the Russian Far East and bordering territory). *Evraziatskii Entomologicheskii Zhurnal* **10**(4): 495-506.
- Makarchenko, E. A. and Makarchenko, M. A. (2012) [13 April 2012] Obzor khironomid roda *Pseudorthocladus* Goetghebuer, 1943 (Diptera, Chironomidae, Orthoclaadiinae) rossiiskogo Dal'nego Vostoka (Review of the genus *Pseudorthocladus* Goetghebuer, 1943 (Diptera, Chironomidae, Orthoclaadiinae) from the Russian Far East). *Evraziatskii Entomologicheskii Zhurnal* **11**(1): 75-82.
- Makarchenko, E. A. and Makarchenko, M. A. (2012) [28 June 2012] Preimaginal'nye stadii razvitiya nekotorykh dal'nevostochnykh khironomid podsemeistva Orthoclaadiinae (Diptera, Chironomidae) (Immature stages of some Far-Eastern Orthoclaadiinae (Diptera, Chironomidae)). *Evraziatskii Entomologicheskii Zhurnal* **11**(2): 115-128.
- Makarchenko, E. A., Makarchenko, M. A. and Bazova, N. V. (2010) [22 November 2010] Predvaritel'nye dannye po faune khironomid (Diptera, Chironomidae) basseina r. Selenga (Respublika Buryatiya) i sopredel'noi territorii (Preliminary data on the chironomid fauna (Diptera, Chironomidae) of Selenga River Basin (Buryat Republic) and bordering territory). *Evraziatskii Entomologicheskii Zhurnal* **9**(3): 310-318.
- Makarchenko, E. A., Makarchenko, M. A. and Yavorskaya, N. M. (2009) [29 April 2009] Novye nakhodki khironomid (Diptera, Chironomidae, Orthoclaadiinae) na Dal'nem Vostoke i sopredel'nykh territoriyakh. VI. *Hydrobaenus* Fries (New records of chironomids (Diptera, Chironomidae, Orthoclaadiinae) in Far East and bordering territories. (New records of chironomids (Diptera, Chironomidae, Orthoclaadiinae) in Far East and bordering territories. VI *Hydrobaenus* Fries). *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 33-50.
- Makarchenko, E. A., Zorina, O. V., Makarchenko, M. A. and Sergeeva, I. V. (2002) [11 February 2002] Fauna khironomid (Diptera, Chironomidae) basseina ozera Khanka (Primorskii krai) [Chironomid fauna (Diptera, Chironomidae) of the Lake Khanka basin (Primorye Krai)]. In *Chteniya Pamyati Vladimira Yakovlevicha Levanidova (Vladimir Ya. Levanidov's Biennial Memorial Meetings)* **1**: 152-173. Dal'nauka, Vladivostok.
- [Dr E. A. Makarchenko (pers. comm. to P. Ashe) has determined that the paper was published on the 11th February 2002 and not in 2001.]
- Malloch, J. R. (1915) [+30 May 1915] The Chironomidae, or midges, of Illinois, with particular reference to the species occurring in the Illinois River. *Bulletin of the Illinois State Laboratory of Natural History* **10**: 273-543.
- Malloch, J. R. (1915) [12 March 1915] Four new North American Diptera. *Proceedings of the Biological Society of Washington* **28**: 45-48.
- Malloch, J. R. (1918) [+30 April 1918] A new species of *Orthocladus* (Chironomidae, Diptera). *Bulletin of the Brooklyn Entomological Society* **13**(2): 42.
- Malloch, J. R. (1923) [20 June 1923] [Diptera of the Pribilof Islands, Alaska (except Tipulidae, Thyphidae and Calliphoridae). A biological survey of the Pribilof Islands,

- Alaska]. Diptera. (Except Tipulidae, Thyphidae and Calliphoridae). *North American Fauna* **46**: 170-227.
- Malloch, J. R. (1934) [18 June 1934]. III. Chironomidae, Sciaridae, Phoridae, Syrphidae, Piophilidae, Helomyzidae, Calliphoridae, Oestridae, and Tachinidae. Pp 13-32. In Holland, W. J. (ed.) *The exploration of Southampton Island, Hudson Bay, by George Miksch Sutton sponsored by Mr. John Bonner Semple 1929-1930. Memoirs of the Carnegie Museum* **12**.
- Marcuzzi, G. (1947) [4 June 1947] Descrizione di tre nuove specie di *Smittia* della laguna di Venezia. *Bollettino della Societa Entomologica Italiana* **77**(1/2): 9-13.
- Marcuzzi, G. (1949) [15 February 1949] Contributions to the knowledge of Tendipedidae of Padova and Venice. *Hydrobiologia* **1**(2): 183-209.
- Marcuzzi, G. (1950) [+31 December 1950] Descrizione di nuove specie de Tendipedidae (Diptera) del bacino del Mediterraneo. *Annalen des Naturhistorischen Museums in Wien* **57**: 273-280.
- Marshall, C. R., Raff, E. C. and Raff, R. A. (1994) [+31 December 1994] Dollo's law and the death and resurrection of genes (development/gene inactivation/functional constraint/evolutionary reversal/molecular evolution). *Proceedings of the National Academy of Sciences of the United States of America* **91**: 12283-12287.
- Martynova, E. G. (1969) [+31 December 1969] Novye formy lichinok khironomid (New forms of chironomid larvae). *Gidrobiologicheskii Zhurnal* **5**(6): 92-95.
- Massaferro, J., Donato, M, and Brooks, S. J. (2009) [4 June 2009] New placement for *Spaniotoma (Eukiefferiella) claviculata* Edwards, 1931 (Diptera: Chironomidae). *Zootaxa* **2125**: 67-68.
- Matěna, J. and Soldán, T. (1983) [*25 April 1983] [Dipterologica Bohemoslovaca III] Taxonomy and ecology of the subgenus *Symbiocladius* s. str. (Diptera, Chironomidae). *Folia Facultatis Scientiarum Naturalium Universitatis Purkynianae Brunensis (Biologia 74)* **23**(7): 83-86.
- Matěna, J. and Soldán, T. (1986) [+31 December 1986] Nové nálezy larev rodu *Epoicocladius* (Diptera, Chironomidae) (New findings of larvae of the genus *Epoicocladius* (Diptera, Chironomidae)). *Dipterologica Bohemoslovaca IV* (1986): 39-41.
- Mazumdar, A., Hazra, N. and Chaudhuri, P. K. (1997) [+30 June 1997] Record of two orthoclad genera in the mangrove ecosystem of West Bengal, India (Diptera: Chironomidae). *Journal of the Bengal Natural History Society (New Series)* **16**(1): 35-42.
- McAlpine, J. F. (1981) [31 March 1981] 2. Morphology and terminology — adults. Pp. 9-63. In *Manual of Nearctic Diptera*. Volume 1. Agriculture Canada Monograph **27**. 674 pp.
[Publication date is from the Evenhuis 1989 catalog.]
- Meigen, J. W. (1800) [≤21 September 1800] *Nouvelle classification des mouches à deux ailes (Diptera L.) d'après un plan tout nouveau*. J. J. Fuchs, Paris. 40pp.

- [Evenhuis (1997: 530) indicates that Meigen (1800) was published before the 22 September 1800 and therefore the earliest provable date at present is on or before, as the symbol “≤“ implies, the 21 September 1800.]
- Meigen, J. W. (1804) [5 November 1804] *Klassifikation und Beschreibung der europäischen zweiflügeligen Insekten. (Diptera Linn.)*. Erster Band. K. Reichard, Braunschweig [= Brunswick]. *Abt. I.* xxviii + 152pp., pls 1-8. *Abt. II.* vi + 152-314pp., pls 9-15.
[Publication date is from Evenhuis (1997: 531).]
- Meigen, J. W. (1818) [+31 October 1818] *Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten. Erster Teil.* F. W. Forstmann, Aachen. xxxvi + 332 + [1]pp., 11pls.
[A publication date of October 1818 is given in Evenhuis (1997: 533) and therefore the last day of October 1818, as indicated above, is currently the earliest provable date of publication.]
- Meigen, J. W. (1830) [+31 December 1830] *Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten. Sechster Teil.* Schulz, Hamm. xi + 401 + [3]pp., 8pls.
[Evenhuis (1997: 533) indicates that it was published after the 1 September 1830 but at present the earliest provable date of publication is the +31 December 1830.]
- Meigen, J. W. (1838) [21 September 1838] *Systematische beschreibung der bekannten europäischen zweiflügeligen insekten. Siebenter theil oder supplementband.* Schulz, Hamm. xii + 434 + [1]pp., 8pls.
[Date of 21 September 1838 recorded in *Allgemeine Bibliographie für Deutschland No. 38.*]
- Mendes, H. F. and Andersen, T. (2002) [1 June 2002] Two new species of *Qiniella* Wang & Sæther (Diptera: Chironomidae) from Southeast Asia. *Tijdschrift voor Entomologie* **145**(1): 89-93.
- Mendes, H. F. and Andersen, T. (2008) [29 September 2008] A review of *Antillocladius* Sæther, 1981 and *Litocladius* Mendes, Andersen et Sæther, with the description of two new Neotropical genera (Diptera, Chironomidae, Orthoclaadiinae). *Zootaxa* **1887**: 1-75.
- Mendes, H. F. and Andersen, T. (2009) [*26 November 2009] First record of the genus *Colosmittia* Andersen & Sæther (Chironomidae: Orthoclaadiinae) from the Neotropical region. *Neotropical Entomology* **38**(5): 649-652.
- Mendes, H. F. and Andersen, T. (2012) [6 March 2012] *Iporangomberus pei* n. gen., n. sp. from southeastern Brazil (Diptera: Chironomidae: Orthoclaadiinae). *Biota Neotropica* **11**(4): 67-71.
[The publication of the printed version of volume 11 (part 4) is the 6th March 2012 (Dr Humberto Mendes pers. comm. to P. Ashe.)]
- Mendes, H. F. and Andersen, T. (2012) [12 July 2012] A new species of *Lyrocladius* Mendes et Andersen from Brazil (Diptera: Chironomidae, Orthoclaadiinae). *Biota Neotropica* **12**(1): 77-80.
[The publication of the printed version of volume 12 (part 1) is the 12th July 2012 (Dr Humberto Mendes pers. comm. to P. Ashe.)]

- Mendes, H. F., Andersen, T. and Hagenlund, L. K. (2011) [13 June 2011] New species and records of *Antillocladius* Sæther and *Litocladius* Mendes, Andersen et Sæther from Brazil and Costa Rica (Chironomidae: Orthoclaadiinae). *Zootaxa* **2915**: 39-51.
- Mendes, H. F., Andersen, T. and Pinho, L. C. (2007) [14 December 2007] *Corytibacladius* Oliveira, Messias & Santos, 1995, a junior synonym of *Limnophyes* Eaton, 1875 (Diptera: Chironomidae: Orthoclaadiinae). *Aquatic Insects* **29**(4): 255-261.
- Mendes, H. F., Andersen, T. and Sæther, O. A. (2004) [+30 April 2004] New species of *Ichthyoclaadius* Fittkau, a member of the *Corynoneura*-group (Diptera: Chironomidae: Orthoclaadiinae), with a review of the genus. *Studies on Neotropical Fauna and Environment* **39**(1): 15-35.
- Mendes, H. F., Andersen, T. and Sæther, O. A. (2004) [6 August 2004] A review of *Antillocladius* Sæther, 1981; *Comptosmittia* Sæther, 1981 and *Litocladius* new genus (Chironomidae, Orthoclaadiinae). *Zootaxa* **594**: 1-82.
- Mendes, H. F., Sæther, O. A. and Andrade-Morrays, M. (2005) [16 May 2005] *Gynoclaadius scalpellosus* n. gen., n. sp. from Brazil (Diptera: Chironomidae: Orthoclaadiinae). *Zootaxa* **979**: 1-12.
- Mercier, L. (1923) [25 May 1923] Diptères de la Cote du Calvados IV^{me} Liste. (Avec la description de deux espèces nouvelles et d'une variété nouvelle de Chironomides marins par J. J. Kieffer). *Annales de la Société Entomologique de Belgique* **63**: 9-20.
- Messias, M. C. and Oliveira, S. J. de (2000) [21 August 2000] On a new species of the genus *Bryophaenoclaadius* (Chironomidae: Orthoclaadiinae). Pp 189-191. In Hoffrichter, O. (ed.) *Late 20th century research on Chironomidae: an anthology from the 13th International Symposium on Chironomidae, Freiburg, 5-9 September 1997*. Shaker Verlag, Aachen. 661pp.
[According to Dr Odwin Hoffrichter (pers. comm. to P. Ashe) the Proceedings from the Freiburg Symposium were published on the 21 August 2000.]
- Meunier, F. (1904) [*6 February 1904] Monographie des Cecidomyidae, des Sciaridae, des Mycetophilidae et des Chironomidae de l'ambre de la Baltique. *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **28**: 12-92.
[Evenhuis (1994: 530) states "This article was published in two issues of this journal as well as being reprinted separately". See next two Meunier items for more details.]
- Meunier, F. (1904) [9 July 1904] Monographie des Cecidomyidae, des Sciaridae, des Mycetophilidae et des Chironomidae de l'ambre de la Baltique. Separate. Brussels. 1-264 pp.
[Evenhuis (1994: 530) states "This is the separate of the journal version for which pages 82-264 (corresponding to journal pages 93-275) predate the journal version. The footnote to the first page of the separate (not present in the journal version) states "Le manuscrit des Cecidomyidae, Sciaridae et Chironomidae a été soumis à M. l'abbé J.J. Kieffer, de Bitche, et celui des Mycetophilidae à M. Rübsaamen, de Berlin"" which translates as:- The manuscript of the Cecidomyidae, Sciaridae and Chironomidae has been submitted to the abbot J.J. Kieffer, of Bitche and that of the Mycetophilidae to Mr Rübsaamen, of Berlin.]
- Meunier, F. (1904) [*6 August 1904] Monographie des Cecidomyidae, des Sciaridae, des

Mycetophilidae et des Chironomidae de l'ambre de la Baltique. *Annales de la Société Scientifique de Bruxelles, 2^e partie (Mémoires)* **28**: 93-275.

[This article was published in two different issues with an Natural History Museum (London) Library received date of the *6 February 1904 for the first issue (included pages 12-92) and the *6 August 1904 for the second issue (included pages 93-275). The latter issue (with the Chironomidae) appeared after the separate version (see above), which includes all the relevant text.]

- Michailova, P. (1980) [+31 December 1980] A review of the European species of genus *Clunio* Haliday, 1855 (Diptera, Chironomidae). *Zoologischer Anzeiger* **205**(5/6): 417-432.
- Moller Pillot, H. K. M. (2008) [1 December 2008] Identification and ecology of the genus *Smittia* Holmgren in the Netherlands (Diptera: Chironomidae). *Tijdschrift voor Entomologie* **151**(2): 245-270.
- Moubayed, J. (1994) [*21 February 1994] *Parakiefferiella wuelkeri* n. sp. (Diptera: Chironomidae) from western Europe and North Africa. *British Journal of Entomology and Natural History* **7**(1): 7-10.
- Moubayed, J. and Langton, P. H. (1999) [31 December 1999] Description of *Parametricnemus valescurensis* sp. n. from temporary streams and helocrenes in southern France (Diptera, Chironomidae). *Nouvelle Revue d'Entomologie (Nouvelle Série)* **16**(2): 155-160.
- Moubayed, Z. (1985) [+30 June 1985] Les Chironomides (Diptera) du Liban. III. *Hydrobaenus dentistylus* n. sp. (Orthocladiinae). *Bulletin de la Société d'Histoire Naturelle de Toulouse et de Midi-Pyrénées* **121**: 73-76.
- Moubayed, Z. (1989) [22 November 1989] Description of *Chaetocladius algericus* sp n. and *Smittia durandae* sp.n. (Dipt., Chironomidae, Orthocladiinae). *Hydrobiologia* **185**(2): 91-94.
- Moubayed, Z. (1990) [+31 January 1990] Description de *Pseudorthocladius (Pseudorthocladius) berthelemyi* n. sp. (Dipt. Chironomidae, Orthocladiinae). *Bulletin de la Société d'Histoire Naturelle de Toulouse et de Midi-Pyrénées* **125**: 87-90.
- [The front cover has the year 1989 but the unnumbered page inside the rear volume cover has the expression “Dépôt légal : Janvier 1990” and therefore the date of publication is +31 January 1990]
- Moubayed, Z. (1991) [30 August 1991] Male, female and pupa of *Parakiefferiella pyrenaica* sp. n. (Diptera, Chironomidae). *Nouvelle Revue d'Entomologie (Nouvelle Série)* **8**(1): 71-75.
- Moubayed, Z. and Hirvenoja, M. (1986) [+31 October 1986] Les Chironomides du Liban. IV. *Cricotopus (Cricotopus) levantinus* n. sp. (Diptera : Chironomidae, Orthocladiinae). *Bulletin de la Société d'Histoire Naturelle de Toulouse et de Midi-Pyrénées* **122**: 169-173.
- Moubayed-Breil, J. & Ashe, P. (2011) [+30 November 2011] Taxonomic notes on *Cricotopus levantinus* Moubayed & Hirvenoja and *Limnophyes gelasinus* Sæther [Diptera, Chironomidae]. *Ephemera* **12**(1): 7-15.

- Moubayed-Breil, J. and Langton, P. H. (2008) [+31 July 2008] Description of *Parakiefferiella normandiana* sp. n. from France [Diptera: Chironomidae]. *Ephemera* **9**(1): 9-16.
- Murray, D. A. (2007) [18 April 2007] *Limnophyes platystylus* new species (Diptera: Chironomidae, Orthoclaadiinae) from Ireland. Pp. 215-218. In Andersen, T. (ed.) *Contributions to the systematics and ecology of aquatic Diptera: - a tribute to Ole A. Sæther*. The Caddis Press, Columbus, Ohio.
[According to Prof. Trond Andersen (pers. comm. to P. Ashe) the volume was published on the 18 April 2007.]
- Neumann, D. (1966) [+31 December 1966] Die lunare und tägliche Schlüpfperiodik der Mücke *Clunio*. Steuerung und Abstimmung auf die Schlüpfperiodik. *Zeitschrift für vergleichende Physiologie* **53**(1): 1-61.
- Neumann, D. (1971) [25 November 1971] Eine nicht-reziproke Kreuzungssterilität zwischen ökologischen Rassen der Mücke *Clunio marinus*. *Oecologia* **8**(1): 1-20.
- Neumann, D., Kaminsky, R. and Heimbach, F. (1997) [+30 September 1997] Timing of eclosion in marine insects on Mediterranean shores – studies on *Clunio mediterraneus*, *C. ponticus* and *Thalassomyia frauenfeldi* (Diptera: Chironomidae). *Marine Biology* **129**: 513-521.
- Niitsuma, H. (1990) [25 March 1990] *Paracricotopus* (Diptera, Chironomidae) from Japan, with description of a new species. *Japanese Journal of Entomology* **58**(1): 95-107.
- Niitsuma, H. (1991) [25 June 1991] *Nanocladius* (Diptera, Chironomidae) from Japan, with description of a new species. *Japanese Journal of Entomology* **59**(2): 343-355.
- Niitsuma, H. (1991) [25 December 1991] A new genus and species of the primitive Orthoclaadiinae (Diptera, Chironomidae) from Japan. *Japanese Journal of Entomology* **59**(4): 707-716.
- Nishida, H. (1987) [25 September 1987] *Pseudocricotopus*, a new subgenus of the genus *Cricotopus* (Diptera, Chironomidae) from Japan. *Kontyu* **55**(3): 459-476.
- Oliveira, S. J. de (1946) [19 August 1946] Sôbre um novo Orthoclaadiinae neotrópico (Diptera, Chironomidae). *Papéis Avulsos do Departamento de Zoologia, Secretaria da Agricultura, São Paulo* No. **31**: 279-282.
- Oliveira, S. J. de (1949) [+31 March 1949] Sôbre uma nova espécie neotrópica do gênero “*Cardiocladius*” Kieffer, 1912 (Diptera, Chironomidae). *Revista Brasileira de Biologia* **9**(1): 5-8.
- Oliveira, S. J. de (1950) [+31 December 1950] Sôbre uma nova espécie neotrópica do gênero “*Clunio*” Haliday, 1855 (Diptera, Chironomidae). *Revista Brasileira de Biologia* **10**(4): 493-500.
- Oliveira, S. J. de (1951) [25 August 1951] Nova espécie neotrópica do gênero “*Cardiocladius*” Kieffer, 1912 (Diptera, Chironomidae). *Papéis Avulsos do Departamento de Zoologia, Secretaria da Agricultura, São Paulo* **10**(6): 133-138.
- Oliveira, S. J. de (1967) [+31 December 1967] Nôvo gênero de Chironomidae da Amazônia (Insecta, Diptera). *Atas do Simpósio sôbre a Biota Amazônica* **5** (Zoologia): 417-419.
- Oliveira, S. J. de, Messias, M. C. and Santos, A. R. dos (1995) [1 January 1995] A new genus and new species of Neotropical Orthoclaadiinae (Diptera, Chironomidae). Pp 409-412. In Cranston, P. S. (ed.) *Chironomids: from genes to ecosystems, Proceedings of the*

12th International Symposium on Chironomidae, Canberra, January 23-26, 1994.
CSIRO Australia, East Melbourne.

[According to Dr Peter Cranston (pers. comm. to P. Ashe), the Proceedings from the Canberra Symposium were available for distribution on the 1 January 1995 which is considered to be the actual date of publication.]

- Oliver, D. R. (1970) [*2 June 1970] Designation and description of lectotypes of the six Greenland Orthoclaadiinae (Dipt., Chironomidae) described by Lundbeck in 1898. *Entomologica Scandinavica* **1**(2): 102-108.
- Oliver, D. R. (1976) [23 November 1976] Chironomidae (Diptera) of Char Lake, Cornwallis Island, N.W.T., with description of two new species. *Canadian Entomologist* **108**(10): 1053-1064.
- Oliver, D. R. (1977) [+31 January 1977] *Bicinctus*-group of the genus *Cricotopus* van der Wulp (Diptera: Chironomidae) in the Nearctic with a description of a new species. *Journal of the Fisheries Research Board of Canada* **34**(1): 98-104.
- Oliver, D. R. (1981) [23 October 1981] Description of *Euryhapsis* new genus including three new species (Diptera: Chironomidae). *Canadian Entomologist* **113**(8): 711-722.
- Oliver, D. R. (1981) [+31 December 1981] Redescription and systematic placement of *Oreadomyia albertae* Kevan and Cutten-Ali-Khan (Diptera: Chironomidae). *Quaestiones Entomologicae* **17**: 121-128.
- Oliver, D. R. (1982) [+28 February 1982] *Xylotopus*, a new genus of Orthoclaadiinae (Diptera: Chironomidae). *Canadian Entomologist* **114**(2): 167-168.
- Oliver, D. R. (1984) [+31 October 1984] Description of a new species of *Cricotopus* van der Wulp (Diptera: Chironomidae) associated with *Myriophyllum spicatum*. *Canadian Entomologist* **116**(10): 1287-1292.
- Oliver, D. R. (1985) [+30 September 1985] Review of *Xylotopus* Oliver and description of *Irisobrillia* n. gen. (Diptera: Chironomidae). *Canadian Entomologist* **117**(9): 1093-1110.
- Oliver, D. R. and Dillon, M. E. (1988) [+30 May 1988] Review of *Cricotopus* (Diptera: Chironomidae) of the Nearctic arctic zone with description of two new species. *Canadian Entomologist* **120**(5): 463-496.
- Oliver, D. R. and Roussel, M. E. (1983) [+31 March 1983] Redescription of *Brillia* Kieffer (Diptera: Chironomidae) with descriptions of Nearctic species. *Canadian Entomologist* **115**(3): 257-279.
- Oliver, D. R., Dillon, M. E. and Cranston, P. S. (1990) [+31 December 1990] A catalog of Nearctic Chironomidae. *Agriculture Canada, Publication* **1857/B**: 1-89.
- Oosterbroek, P. and Courtney, G. (1995) [13 November 1995] Phylogeny of the nematoceros families of Diptera (Insecta). *Zoological Journal of the Linnean Society* **115**(3): 367-411.
- Ospina-Torres, R., Riss, W. and Ruiz, J. L. (1999) [+30 November 1999] Guía para la identificación genérica de larvas de quironomidos (Diptera: Chironomidae: Orthoclaadiinae) de la Sabana de Bogotá. I. Subfamilia Orthoclaadiinae. Pp. 363-384. In Amat-G., G., Andrade-C., M. G. and Fernández, F. (eds): *Insectos de Colombia II*.

- Academia Colombiana de Ciencias Exactas, Físicas y Naturales, Colección Jorge Alvarez Lleras, No. 13, Bogotá.
- Osten Sacken, C. R. (1877) [30 April 1877] Western Diptera: descriptions of new genera and species of Diptera from the region west of the Mississippi and especially from California. *Bulletin of the United States Geological and Geographical Survey of the Territories* **3**: 189-354.
- Packard, A. S. (1869) [+31 March 1869] On insects inhabiting salt water. *Communications of the Essex Institute* **6**: 41-46.
- Packard, A. S. (1869) [+31 March 1869] Diptera, Pp 358-419. *Guide to the study of insects, and a treatise on those injurious and beneficial to crops: for the use of colleges, farm-schools, and agriculturists*. 1st edition. Essex Institute Press, 702 pp.
- Pagast, F. (1936) [5 December 1936] Chironomidenstudien II. *Stettiner Entomologische Zeitung* **97**(2): 270-278.
- Pagast, F., Thienemann, A. and Krüger, F. (1941) [15 March 1941] Terrestrische Chironomiden. VIII. *Metriocnemus fuscipes* Mg. und *Metriocnemus terrester* n. sp. Pagast. *Zoologischer Anzeiger* **133**(9/10): 202-213.
- Paggi, A. C. (1985) [26 April 1985] Two new species of the genus *Clunio* (Diptera: Chironomidae). *Proceedings of the Entomological Society of Washington* **87**(2): 460-466.
- Paggi, A. C. (1985) [1 June 1985] *Thienemanniella desertica* sp. nov. de la Republica Argentina (Diptera Chironomidae Orthocladiinae). *Neotropica* **31**(85): 49-53.
- Paggi, A. C. (1993) [*19 October 1993] Redescription of *Pseudosmittia bilobulata* (Edw.) comb. n. (= *Spaniotoma (Smittia) bilobulata* Edwards 1931) and description of *P. neobilobulata* sp.n. (Diptera : Chironomidae) from Argentina. *Annales de Limnologie* **29**(2): 171-174.
- Paggi, A. C. (2007) [18 April 2007] A new neotropical species of the genus *Thienemanniella* Kieffer, 1911 (Diptera: Chironomidae, Orthocladiinae). Pp 247-254. In Andersen, T. (ed.) *Contributions to the systematics and ecology of aquatic Diptera: - a tribute to Ole A. Sæther*. The Caddis Press, Columbus, Ohio.
[According to Prof. Trond Andersen (pers. comm. to P. Ashe) the volume was published on the 18 April 2007.]
- Palmén, E. (1959) [4 June 1959] *Microcricotopus balticus* n. sp. (Dipt., Chironomidae) aus dem Brackwasser des Finnischen Meerbusens. *Annales Entomologici Fennici* **25**(2): 61-65.
- Pankratova, V. Ya. (1950) [+31 December 1950] Fauna lichinok semeistva Tendipedidae basseina Amu-Dar'i [Fauna of larvae of the family Tendipedidae of the Amu-Daria basin]. *Trudy Zoologicheskogo Instituta, Leningrad* **9**(1): 116-198.
- Pankratova, V. Ya. (1954) [+31 December 1954] Fauna lichinok tendipedid i geleid bolot okrestnostei «Zaluch'ya» [Fauna of the tendipedid and heleid larvae of the swamps near Zaluchie]. *Zoologicheskii Zhurnal* **33**(6): 1293-1306.
- Pankratova, V. Ya. (1959) [+31 December 1959] Fauna lichinok semeistva tendipedid (khironomid) vodoemov basseina reki Venty (Larvae fauna of the family tendipedid

- (chironomid) of the Venta River basin). *Rybnoe Khozyaistvo Vnutrennykh Vodoemov Latviiskoi SSR* **3**: 181-197. *Trudy Instituta Biologii Latviiskoi SSR* **8**.
- Pankratova, V. Ya. (1959) [+31 December 1959] Lichinki tendipedid nekotorykh rek Krasnodarskogo kraja [The tendipedid larvae from some rivers of the Krasnodar Territory]. *Trudy Zoologicheskogo Instituta, Leningrad* **26**: 365-374.
- Pankratova, V. Ya. (1968) [*22 August 1968] Lichinki khironomid (tendipedid) reki Nevy [Larvae of chironomids (tendipedids) from the River Neva]. *Trudy Zoologicheskogo Instituta, Leningrad* **45**: 247-257.
- Pankratova, V. Ya. (1970) [2 September 1970] *Lichinki i kukolki komarov podsemeistva Orthoclaadiinae fauny SSSR (Diptera, Chironomidae = Tendipedidae) (Larvae and pupae of midges of the subfamily Orthocladinae (Diptera, Chironomidae = Tendipedidae) of the USSR fauna). Opredeliteli po Faune SSSR, izdavaemye Zoologicheskim Institutom AN SSSR* **102**: 1-344. Izdatel'stvo Nauka, Leningrad.
[The above volume was received by the Zoological Institute in Leningrad (now St Petersburg), on the 2 September 1970, according to the card index of the library (Dr Andrey Przhiboro pers. comm. to P. Ashe), which is currently regarded as the earliest provable date of publication.]
- Pankratova, V. Ya. (1972) [20 June 1972] K faune khironomid gruntovykh vod Srednei Azii [Contribution to the chironomid fauna of subterranean waters in Middle Asia]. Pp. 155-164. In *Fauna gruntovykh vod Srednei Azii* [Fauna of subterranean waters in Middle Asia]. *Trudy Zoologicheskogo Instituta, Leningrad* **51**.
[The volume containing the above article was received by the Zoological Institute in Leningrad (now St Petersburg), on the 20 June 1972, according to the card index of the library (Dr Andrey Przhiboro pers. comm. to P. Ashe), which is currently regarded as the earliest provable date of publication.]
- Panzer, G. W. F. (1810) [+31 December 1810] *Favnae Insectorvm Germanicae initia oder Deutschlands Insecten Heft* **109**: 1-24. Felsecker, Nürnberg [= Nuremberg].
[The publication year is accepted as 1810 based on Evenhuis (1997: 247) and not 1813 as given in some sources. Since only the year is known the publication date is therefore the +31 December 1810.]
- Pennuto, C. M. (1997) [5 December 1997] Incidence of chironomid phoretics on hellgrammites in streams of southern Maine. *Northeastern Naturalist* **4**(4): 285-292.
- Philippi, R. A. (1866) [8 March 1866] Aufzählung der chilenischen Dipteren. *Verhandlungen der Kaiserlich-Königlichen Zoologisch-Botanischen Gesellschaft in Wien (Abhandlungen)* **15**(4): 595-782.
[According to Dr Neal Evenhuis, for almost all years, the last part of each volume of the journal appeared months into the following year. This Philippi reference in Chironomidae has always been previously cited as 1865. However, current research by Dr Neal Evenhuis (unpublished data), clearly shows that the part (Heft) which includes Philippi's paper was closed for acceptance of new papers on the 3 January 1866 and the date of receipt at the Akademie Wissenschaften Wien is the 8 March 1866.]

- Picado, C. (1913) [21 October 1913] Biologie et morphologie de quelques animaux broméliques. 1. Chironomidae. Pp 280-296. In *Les broméliacées épiphytes considérées comme milieu biologique. Bulletin Scientifique de la France et de la Belgique* **47**(3): 215-360.
- Pinder, L. C. V. (1985) [*29 March 1985] Studies on Chironomidae in experimental recirculating stream systems. I. *Orthocladius* (*Euorthocladius*) *calvus* sp.nov. *Freshwater Biology* **15**(2): 235-241.
- Pinder, L. C. V. and Cranston, P. S. (1976) [8 April 1976] Morphology of the male imagines of *Orthocladius* (*Pogonocladius*) *consobrinus* and *O. glabripennis* with observations on the taxonomic status of *O. glabripennis* (Diptera: Chironomidae). *Entomologica Scandinavica* **7**(1): 19-23.
- Pinho, L. C., Mendes, H. F. and Andersen, T. (2009) [+31 December 2009] A review of *Diplosmittia* Sæther, with the description of four new Neotropical species (Diptera: Chironomidae). *Studies on Neotropical Fauna and Environment* **44**(3): 163-182.
- Pittie, A. (2003) [23 September 2003] On the dates of publication of the Journal of the *Bombay Natural History Society*, volumes 1-100 (1886-2003), and other matters. *Journal of the Bombay Natural History Society* **100**(2/3): 589-613.
- Polishchuk, V. V. (1963) [+31 December 1963] Nova forma lichinki rodu *Smittia* (Diptera, Tendipedidae) z baseinu r. Desni (New form of larva of genus *Smittia* (Diptera, Tendipedidae) from the Desna River Basin). *Dopovidi Akademii Nauk Ukrains'koi RSR* **12**: 1645-1649.
- Polishchuk, V. V. (1972) [+31 December 1972] Fauna astaticnikh vodoim Budkhaku. Pp 44-51. In: *Materiali chetvertoi konferentsii molodikh uchenikh Institutu gidrobiologii AN URSSR*. Izdatel'stvo Naukova Dumka, Kiev.
- Polishchuk, V. V. (1974) [+31 December 1974] Fauna strumkiv i dzherel ponizovoi dilyanki baseinu Dunayu. Pp 123-128. In Tseeb, Ya.Ya. (ed.) *Problemi malikh richok Ukraini* [Problems of small rivers in the Ukraine]. Kiev: Naukova Dumka. (In Ukrainian).
- Poppius, B., Lundström, C. and Frey, R. (1917) [1 January 1917] Dipteren aus dem Sarekgebiet. *Naturwissenschaftliche Untersuchungen des Sarekgebietes in Schwedisch-Lappland* **4**(6): 665-674.
[This paper is sometimes cited as 1916 which is incorrect because it was published on the 1 January 1917.]
- Potthast, A. (1914) [+31 December 1914] Über die Metamorphose der *Orthocladius*-Gruppe. Ein Beitrag zur Kenntnis der Chironomiden. *Archiv für Hydrobiologie Supplement* **2**(2): 243-376. [Preprinted separate of Potthast (1915)]
[According to Spies & Sæther (2004: 11) Potthast's work was distributed in 1914 as preprinted separates — which qualify as relevant publications under the Zoological Code (ICZN, 1999, Article 21.8) — before the journal version was published in 1915.]
- Potthast, A. (1915) [8 June 1915] Über die Metamorphose der *Orthocladius*-Gruppe. Ein Beitrag zur Kenntnis der Chironomiden. *Archiv für Hydrobiologie Supplement* **2**(2): 243-376.
- Przhiboro, A. and Sæther, O. A. (2008) [5 May 2008] *Orthocladius paratatricus* Chernovskii,

- 1949 a synonym of *Heterotrissocladius subpilosus* (Kieffer, 1911). *Zootaxa* **1763**: 38-40.
- Przhiboro, A. and Sæther, O. A. (2010) [12 November 2010] *Tvetenia vitracies* (Saether, 1969), a synonym of *Tvetenia tshernovskii* (Pankratova, 1968), comb. n. (Diptera: Chironomidae). *Zootaxa* **2675**: 57-64.
- Ree, H. I. (2009) [31 March 2009] One new and six unrecorded species of Chironomidae (Insecta: Diptera) in Korea. *Korean Journal of Systematic Zoology* **25**(1): 49-59
- Ree, H. I. and Jeong, K. Y. (2010) [+31 July 2010] Fauna of non-biting midges (Diptera, Chironomidae) from Soyang River in Chuncheon-si, Gangwon-do, Korea. *Korean Journal of Systematic Zoology* **26**(2): 115-140.
- Ree, H. I. and Kim, H. S. (1981) [25 December 1981] Studies on Chironomidae (Diptera) in Korea. 1. Taxonomic study on adults of Chironominae. *Proceedings of the College of Natural Sciences, Seoul National University* **6**(1): 123-226.
- Ree, H. I. and Kim, J.-Y. (1998) [+30 September 1998] A new species of the genus *Cricotopus* (Diptera: Chironomidae), a pest of rice in Seosan, Korea. *Korean Journal of Biological Sciences* **2**(3): 309-313.
- Ree, H. I., Nam, S. H. and Jeong, K. Y. (2012) [+31 January 2012] Two new and four unrecorded species of Chironomidae (Diptera) in Korea. *Animal Systematics, Evolution and Diversity* **28**(1): 2-11.
- Reiss, F. (1968) [1 December 1968] Neue Chironomiden-Arten (Diptera) aus Nepal. *Khumbu Himal* **3**: 55-73.
- Remmert, H. (1953) [*17 August 1953] Zwei neue Chironomiden (Diptera) von der schleswig-holsteinischen Küste. *Kieler Meeresforschungen* **9**(2): 235-237.
- Remmert, H. (1955) [31 December 1955] Substratbeschaffenheit und Salzgehalt als ökologische Faktoren für Dipteren. *Zoologische Jahrbücher, Abteilung Systematik, Ökologie und Geographie der Tiere* **83**(6): 453-474.
- Rempel, J. G. (1937) [4 December 1937] Notes on the genus *Chasmatonotus* with descriptions of three new species (Diptera, Chironomidae). *Canadian Entomologist* **69**(11): 250-255.
- Ringe, F. (1976) [+30 April 1976] *Heleniella serratosioi* n. sp., eine neue Orthoclaadiinae (Dipt., Chir.) aus der Emergenz von Rohrwiesenbach und Kalkbach. Schlitzer Produktionsbiologische Studien (13). *Archiv für Hydrobiologie* **77**(2): 254-266.
- Roback, S. S. (1957) [24 May 1957] Some Tendipedidae from Utah. *Proceedings of the Academy of Natural Sciences of Philadelphia* **109**: 1-24.
- Roback, S. S. (1957) [27 December 1957] The immature tendipedids of the Philadelphia area (Diptera: Tendipedidae). *Monographs of the Academy of Natural Sciences of Philadelphia* **9**: 1-152.
- Roback, S. S. (1959) [29 May 1959] Some Tendipedidae from Montana. *Notulae Naturae* **315**: 1-4.
- Roback, S. S. (1960) [19 August 1960] Results of the Catherwood Peruvian-Amazon Expedition. New species of South American Tendipedidae (Diptera). *Transactions of the American Entomological Society* **86**(2): 87-107.

- Roback, S. S. (1962) [26 June 1962] Some new Tendipedidae from the Canal Zone. *Notulae Naturae* **355**: 1-10.
- Roback, S. S. (1965) [6 May 1965] A new subgenus and species of *Symbiocladius* from South America (Diptera: Tendipedidae). *Entomological News* **76**(5): 113-122.
- Roback, S. S. (1966) [12 December 1966] The Catherwood Foundation Peruvian-Amazon Expedition. XII Diptera, with some observations on the salivary glands of the Tendipedidae. *Monographs of the Academy of Natural Sciences of Philadelphia* **14**: 305-375.
- Roback, S. S. (1971) [2 December 1971] A new record and immature stages of *Clunio brasiliensis* Oliveira, with additional notes on the adults (Chironomidae: Clunioninae). *Notulae Naturae* **444**: 1-12.
- Roback, S. S. and Coffman, W. P. (1983) [21 December 1983] Results of the Catherwood Bolivian-Peruvian Altiplano Expedition part II. Aquatic Diptera including montane Diamesinae and Orthoclaadiinae (Chironomidae) from Venezuela. *Proceedings of the Academy of Natural Sciences of Philadelphia* **135**: 9-79.
- Roback, S. S. and Coffmann, W. P. (1987) [28 December 1987] Results of the Nepal Alpine Zone Research Project, Chironomidae (Diptera). *Proceedings of the Academy of Natural Sciences of Philadelphia* **139**(1): 87-158.
- Roback, S. S., Berner, L., Flint Jr, O. S., Nieser, N. and Spangler, P. J. (1980) [19 December 1980] Results of the Catherwood Bolivian-Peruvian Altiplano Expedition part I. Aquatic insects except Diptera. *Proceedings of the Academy of Natural Sciences of Philadelphia* **132**: 176-217.
- Rossaro, B. (1979) [31 December 1979] *Stilocladius montanus* n. gen. n. sp.: Descrizione di un nuovo genere e di una nuova specie di Orthoclaadiinae delle Alpi Italiane. (Diptera, Chironomidae). *Bollettino del Museo Civico di Storia Naturale, Verona* **6**: 347-352.
- Rossaro, B. (1983) [20 December 1983] Description of a new species of *Eukiefferiella* Thien. and redescription of the genus (Diptera Chironomidae). *Bollettino della Societa Entomologica Italiana* **115**: 164-167.
- Rossaro, B. (1990) [30 April 1990] Revision of the genus *Paratrichocladius* Santos-Abreu. 2nd note: description of 4 new species (Diptera Chironomidae Orthoclaadiinae). *Bollettino della Societa Entomologica Italiana* **122**: 58-66.
- Rossaro, B. (1992) [20 February 1992] Revision of the genus *Paratrichocladius* Santos-Abreu, 3rd note: Description of a new species: (Diptera Chironomidae Orthoclaadiinae). *Bollettino della Societa Entomologica Italiana* **123**: 234-238.
[The above paper is usually wrongly cited as 1991 but it was published the following year on the 20 February 1992.]
- Rossaro, B. and Delettre, Y. R. (1992) [30 December 1992] Description of *Smittia celtica*, sp. n. (Diptera : Chironomidae). *Annales de la Société Entomologique de France (Nouvelle Série)* **28**(4): 365-370.
- Rossaro, B. and Lencioni, V. (2000) [30 September 2000] Revision of the genus *Smittia* Holmgren, 1869 (Diptera Chironomidae Orthoclaadiinae), 2nd note. *Bollettino di Zoologia Agraria e Bachicoltura (Serie II)* **32**(2): 97-105.

- Rossaro, B. and Orendt, C. (2001) [28 February 2001] A new *Smittia* species from the Bavarian Alps (Diptera Chironomidae). *Bollettino della Societa Entomologica Italiana* **133**(1): 55-60.
- Rossaro, B. and Pietrangelo, A. (1992) [20 October 1992] Description of a new species of *Orthocladius* subgenus *Euorthocladius* (Diptera, Chironomidae). *Fragmenta Entomologica* **24**(1): 45-49.
- Rossaro, B. and Prato, S. (1991) [10 September 1991] Description of six new species of the genus *Orthocladius* (Diptera, Chironomidae). *Fragmenta Entomologica* **23**(1): 59-68.
- Rübsaamen, E. H. (1906) [20 April 1906] Chironomidae. *Résultats du voyage S.Y. Belgica en 1897-99*: 75-85.
- Ruthe, J. F. von (1831) [+31 December 1831] Einige Bemerkungen und Nachträge zu Meigen's "Systematischer Beschreibung der europäischen zweiflügeligen Insecten". *Isis* (Oken's) **15**(12): 1203-1212.
[The paper appeared in the 12th issue (of 12) for 1831 which was presumably published in December 1831 and therefore the publication date unless proven otherwise is the +31 December 1831.]
- Sæther, O. A. (1966) [+30 September 1966] A description of a new subspecies of *Diplocladius cultriger* Kieff. (imago and pupa) and a new pupa of *Eukiefferiella brevicar* type (Diptera: Chironomidae). *Norsk Entomologisk Tidsskrift* **13**(3): 176-182.
- Sæther, O. A. (1968) [+30 June 1968] Chironomids of the Finse area, Norway, with special reference to their distribution in a glacier brook. *Archiv für Hydrobiologie* **64**(4): 426-483.
- Sæther, O. A. (1969) [+31 December 1969] Some Nearctic Podonominae, Diamesinae, and Orthoclaadiinae (Diptera: Chironomidae). *Bulletin of the Fisheries Research Board of Canada* **170**: 1-154.
- Sæther, O. A. (1971) [28 December 1971] Four new and unusual Chironomidae (Diptera). *Canadian Entomologist* **103**(12): 1799-1827.
- Sæther, O. A. (1973) [7 February 1973] Four species of *Bryophaenocladus* Thien., with notes on other Orthoclaadiinae (Diptera: Chironomidae). *Canadian Entomologist* **105**(1): 51-60.
- Sæther, O. A. 1975 [+28 February 1975] Two new species of *Heterotanytarsus* Spärck, with keys to Nearctic and Palaearctic males and pupae of the genus (Diptera: Chironomidae). *Journal of the Fisheries Research Board of Canada* **32**(2): 259-270.
- Sæther, O. A. (1975) [14 October 1975] Twelve new species of *Limnophyes* Eaton, with keys to Nearctic males of the genus (Diptera: Chironomidae). *Canadian Entomologist* **107**(10): 1029-1056.
- Sæther, O. A. 1975 [*17 October 1975] Nearctic and Palaearctic *Heterotrissocladus* (Diptera: Chironomidae). *Bulletin of the Fisheries Research Board of Canada* **193**: 1-67.
- Sæther, O. A. (1976) [+31 December 1976] Revision of *Hydrobaenus*, *Trissocladus*, *Zalutschia*, *Paratrissocladus*, and some related genera (Diptera: Chironomidae). *Bulletin of the Fisheries Research Board of Canada* **195**: 1-287.

- Sæther, O. A. (1977) [*22 December 1977] *Habrobaenus hudsoni* n.gen., n.sp. and the immatures of *Baeoctenus bicolor* Sæther (Diptera: Chironomidae). *Journal of the Fisheries Research Board of Canada* **34**(12): 2354-2361.
- Sæther, O. A. (1977) [*14 June 1977] Taxonomic studies on Chironomidae: *Nanocladius*, *Pseudochironomus*, and the *Harnischia* complex. *Bulletin of the Fisheries Research Board of Canada* **196**: 1-143.
- Sæther, O. A. (1977) [*5 May 1977] Female genitalia in Chironomidae and other Nematocera: morphology, phylogenies, keys. *Bulletin of the Fisheries Research Board of Canada* **197**: 1-209.
- Sæther, O. A. (1980) [8 December 1980] The females and immatures of *Paracricotopus* Thienemann and Harnisch, 1932, with the description of a new species (Diptera: Chironomidae). *Aquatic Insects* **2**(3): 129-145.
- Sæther, O. A. (1980) [15 December 1980] New name for *Oliveria* Sæther, 1976 (Diptera: Chironomidae) nec *Oliveria* Sutherland, 1965 († Cnidaria: Anthozoa), with a first record for the European continent. *Entomologica Scandinavica* **11**(4): 399-400.
- Sæther, O. A. (1981) [15 July 1981] *Doncricotopus bicaudatus* n.gen., n.sp. (Diptera: Chironomidae, Orthocladiinae) from the Northwest Territories, Canada. *Entomologica Scandinavica* **12**(2): 223-229.
- Sæther, O. A. (1981) [15 September 1981] Orthocladiinae (Diptera: Chironomidae) from the British West Indies, with descriptions of *Antillocladius* n. gen., *Lipurometriocnemus* n. gen., *Compterosmittia* n. gen. and *Diplosmittia* n. gen. *Entomologica Scandinavica Supplement* **16**: 1-46.
- Sæther, O. A. (1982) [15 December 1982] Orthocladiinae (Diptera: Chironomidae) from SE U.S.A., with descriptions of *Pludsonia*, *Unniella* and *Platysmittia* n. genera and *Atelopodella* n. subgen. *Entomologica Scandinavica* **13**(4): 465-510.
- Sæther, O. A. (1983) [10 December 1983] Three new species of *Lopescladius* Oliveira, 1967 (syn. "*Cordites*" Brundin, 1966, n. syn.), with a phylogeny of the *Parakiefferiella* group. Pp 279-298. In Roback, S. S. (ed.) *Proceedings of the 8th International Symposium on Chironomidae, Jacksonville, July 25-28, 1982. Memoirs of the American Entomological Society* **34**.
- Sæther, O. A. (1983) [29 December 1983] A review of Holarctic *Gymnometriocnemus* Goetghebuer, 1932, with the description of *Raphidocladius* subgen. n. and *Sublettiella* gen. n. (Diptera: Chironomidae). *Aquatic Insects* **5**(4): 209-226.
- Sæther, O. A. (1985) [30 March 1985] Male and female imagines of *Platysmittia bilyji* sp. n. (Diptera: Chironomidae) from Manitoba, Canada. *Entomologica Scandinavica* **15**(4): 527-531.
- Sæther, O. A. (1985) [30 March 1985] *Heleniella parva* sp. n. (Diptera: Chironomidae) from South Carolina and Tennessee, U.S.A. *Entomologica Scandinavica* **15**(4): 532-535.
- Sæther, O. A. (1985) [30 March 1985] *Apometriocnemus fontinalis* gen. n., sp. n. (Diptera: Chironomidae) from Tennessee, U.S.A. *Entomologica Scandinavica* **15**(4): 536-539.
- Sæther, O. A. (1985) [30 March 1985] *Limnophyes er* sp. n. (Diptera: Chironomidae) from Finland, with new Nearctic records of previously described species. *Entomologica Scandinavica* **15**(4): 540-544.

A WORLD CATALOGUE OF CHIRONOMIDAE (DIPTERA). PART 2.

- Sæther, O. A. (1985) [3 July 1985] Redefinition and review of *Thienemannia* Kieffer, 1909 (Diptera: Chironomidae), with the description of *T. pilinucha* sp. n. *Aquatic Insects* 7(2): 111-131.
- Sæther, O. A. (1986) [≤21 April 1986] *Trichochilus*, a new genus of Orthoclaadiinae (Diptera, Chironomidae). In Fittkau, E. J. (ed.): *Beiträge zur Systematik der Chironomidae, Diptera. Spixiana Supplement* 11: 31-36.
[Published in 1986 and not on the 30 December 1985 as indicated on the title page. Records in the library of the Zoologische Staatssammlung, Munich, show that Supplement 11 was available for distribution on the 21 April 1986.]
- Sæther, O. A. (1986) [≤21 April 1986] The imagines of *Mesosmittia* Brundin, 1956, with description of seven new species (Diptera, Chironomidae). In Fittkau, E. J. (ed.): *Beiträge zur Systematik der Chironomidae, Diptera. Spixiana Supplement* 11: 37-54.
[Published in 1986 and not on the 30 December 1985 as indicated on the title page. Records in the library of the Zoologische Staatssammlung, Munich, show that Supplement 11 was available for distribution on the 21 April 1986.]
- Sæther, O. A. (1986) [≤21 April 1986] *Diplosmittia carinata* spec. nov. from Michigan (Diptera, Chironomidae). In Fittkau, E. J. (ed.): *Beiträge zur Systematik der Chironomidae, Diptera. Spixiana Supplement* 11: 55-57.
[Published in 1986 and not on the 30 December 1985 as indicated on the title page. Records in the library of the Zoologische Staatssammlung, Munich, show that Supplement 11 was available for distribution on the 21 April 1986.]
- Sæther, O. A. (1986) [≤21 April 1986] A review of the genus *Rheocricotopus* Thienemann & Harnisch, 1932, with the description of three new species (Diptera, Chironomidae). In Fittkau, E. J. (ed.): *Beiträge zur Systematik der Chironomidae, Diptera. Spixiana Supplement* 11: 59-108.
[Published in 1986 and not on the 30 December 1985 as indicated on the title page. Records in the library of the Zoologische Staatssammlung, Munich, show that Supplement 11 was available for distribution on the 21 April 1986.]
- Sæther, O. A. (1988) [15 July 1988] *Diplosmittia recisus* spec. nov. from Peru (Diptera, Chironomidae). In Fittkau, E. J. (ed.): *Festschrift zu Ehren von Lars Brundin. Spixiana Supplement* 14: 45-47.
- Sæther, O. A. (1989) [4 May 1989] *Metriocnemus* van der Wulp: a new species and a revision of species described by Meigen, Zetterstedt, Stæger, Holmgren, Lundström and Strenzke (Diptera: Chironomidae). *Entomologica Scandinavica* 19(4): 393-430.
- Sæther, O. A. (1989) [+31 July 1989] Two new species of *Hydrobaenus* Fries from Massachusetts, U.S.A., and Japan (Diptera: Chironomidae). *Entomologica Scandinavica* 20(1): 55-63.
- Sæther, O. A. (1990) [+31 October 1990] A revision of the Neotropical types described as *Spaniotoma* (*Limnophyes*) by Edwards 1931, with the description of *Edwardsidia* gen. n. (Diptera: Chironomidae). *Entomologica Scandinavica* 21(3): 305-319.
- Sæther, O. A. (1990) [15 October 1990] A review of the genus *Limnophyes* Eaton from the Holarctic and Afrotropical regions (Diptera: Chironomidae, Orthoclaadiinae). *Entomologica Scandinavica Supplement* 35: 1-135.

- Sæther, O. A. (1992) [+31 January 1992] First Palaearctic record of the orthoclad genus *Plhudsonia* Sæther (Diptera: Chironomidae). *Entomologica Scandinavica* **22**(4): 379-384.
- Sæther, O. A. (1992) [+31 January 1992] First Nearctic record of the orthoclad genus *Tavastia* Tuiskunen (Diptera: Chironomidae). *Entomologica Scandinavica* **22**(4): 385-388.
- Sæther, O. A. (1993) [*14 June 1993] *Heterotrissocladius boltoni* sp.n., a new orthoclad from vernal pools and streams in Ohio, U.S.A. (Diptera: Chironomidae). Pp 192-196. In Bund, W. J. van de and Kraak, M. H. S. (eds) *Proceedings of the 11th International Symposium on Chironomidae, Amsterdam, 12-14 August 1991. Netherlands Journal of Aquatic Ecology* **26**(2/4).
- Sæther, O. A. (1995) [*26 April 1995] *Metriocnemus* van der Wulp : seven new species, revision of species, and new records (Diptera : Chironomidae). *Annales de Limnologie* **31**(1): 35-64.
- Sæther, O. A. (1995) [1 November 1995] *Bavarismittia reissi*, gen. nov., spec. nov., a new orthoclad from Germany (Insecta, Diptera, Chironomidae). *Spixiana* **18**(3): 267-270.
- Sæther, O. A. (1996) [1 November 1996] Afrotropical records of the orthoclad genus *Mesosmittia* Brundin (Insecta, Diptera, Chironomidae). *Spixiana* **19**(3): 289-292.
- Sæther, O. A. (2000) [19 June 2000] Phylogeny of the subfamilies of Chironomidae. *Systematic Entomology* **25**(3): 393-403.
- Sæther, O. A. (2000) [4 August 2000] *Aagaardia*, a new Holarctic orthoclad genus (Diptera: Chironomidae). *Aquatic Insects* **22**(3): 177-196.
- Sæther, O. A. (2002) [+31 October 2002] New name for *Thienemanniella similis* Caspers & Reiss, 1989 not Malloch, 1915. *Chironomus* **15**: 34.
- Sæther, O. A. (2004) [26 March 2004] A review of *Orthocladius* subgen. *Symposiocladius* Cranston (Diptera: Chironomidae). *Aquatic Insects* **25**(4): 281-317.
[This paper appeared in the last issue of the journal for 2003 which was not published until the 26 March 2004.]
- Sæther, O. A. (2004) [7 May 2004] Three new species of *Orthocladius* subgenus *Eudactylocladius* (Diptera: Chironomidae) from Norway. *Zootaxa* **508**: 1-12.
- Sæther, O. A. (2004) [6 August 2004] The chironomids described by Lundström (1918) from arctic Siberia (Diptera, Chironomidae) with a redescription of *Derotanypus sibiricus* (Kruglova & Chernovskii). *Zootaxa* **595**: 1-35.
- Sæther, O. A. (2004) [+31 December 2004] The Chironomidae (Diptera) of the Seychelles. *Annales de Limnologie* **40**(4): 285-308.
- Sæther, O. A. (2005) [9 May 2005] A new subgenus and new species of *Orthocladius* van der Wulp, with a phylogenetic evaluation of the validity of the subgenera of the genus (Diptera: Chironomidae). *Zootaxa* **974**: 1-56.
- Sæther, O. A. (2006) [11 May 2006] Japanese *Pseudosmittia* Edwards (Diptera: Chironomidae). *Zootaxa* **1198**: 21-51.
- Sæther, O. A. (2010) [14 August 2010] *Tavastia pilipecta* sp. n. from Manitoba, Canada (Diptera: Chironomidae). *Aquatic Insects* **32**(3): 167-190.
- Sæther, O. A. and Andersen, T. (1993) [10 December 1993] *Lobosmittia*, a new genus of

- orthoclads from Tanzania and Turkey (Diptera: Chironomidae). *Tijdschrift voor Entomologie* **136**(2): 283-287.
- Sæther, O. A. and Andersen, T. (1995) [+30 June 1995] *Ionthosmittia caudiga* n. gen. n. sp., a new orthoclad from the Usambara Mts, Tanzania (Diptera Chironomidae). *Tropical Zoology* **8**(1): 197-202.
- Sæther, O. A. and Andersen, T. (1996) [18 December 1996] First Afrotropical records of *Doithrix* and *Georthocladus*, with notes on the *Pseudorthocladus* group (Diptera: Chironomidae). *Tijdschrift voor Entomologie* **139**(2): 243-256.
- Sæther, O. A. and Andersen, T. (2010) [1 October 2010] *Ferringtonia*, a new genus of Orthoclaadiinae from Patagonia and South Chile (Diptera: Chironomidae). Pp 311-333. In Ferrington Jr, L. C. (ed.) *Proceedings of the XV International Symposium on Chironomidae, St. Paul, Minnesota, 12-14 August 2003*. University of Minnesota, St. Paul, Minnesota.
- Sæther, O.A. and Andersen, T. (2011) [13 June 2011] Chironomidae from Gough, Nightingale and Tristan da Cunha islands. *Zootaxa* **2915**: 1-19.
- Sæther, O. A. and Cranston, P. S. (2012) [+30 April 2012] New World *Stictocladus* Edwards (Diptera: Chironomidae). *Neotropical Entomology* **41**(2): 124-149.
- Sæther, O. A. and Ekrem, T. (1999) [15 July 1999] *Mollerella*, a new terrestrial orthoclad genus from the Netherlands (Diptera: Chironomidae). *Acta Zoologica Academiae Scientiarum Hungaricae* **45**(2): 161-168.
- Sæther, O. A. and Ferrington Jr, L. C. (1993) [7 December 1993] Redescription of *Prosmittia jemtlandica* (Brundin, 1947), with a review of the genus. *Journal of the Kansas Entomological Society* **66**(3): 257-262.
- Sæther, O. A. and Ferrington Jr, L.C. (2003) [7 October 2003] Nomenclature notes on some orthoclads (Diptera: Chironomidae). *Zootaxa* **322**: 1-7.
- Sæther, O. A. and Halvorsen, G. A. (1981) [1 July 1981] Diagnoses of *Tvetenia* Kieff. emend., *Dratnalia* n. gen., and *Eukiefferiella* Thien. emend., with a phylogeny of the *Cardiocladus* group (Diptera: Chironomidae). *Entomologica Scandinavica Supplement* **15**: 269-285.
- Sæther, O. A. and Langton, P. H. (2011) [23 August 2011] New Nearctic species of the *Psectrocladius limbatellus* group (Diptera: Chironomidae). *Aquatic Insects* **33**(2): 133-163.
[The publication date of issue 2 (Volume 33) is the 23rd August 2011 (Jayne Kay pers. comm. to P. Ashe).]
- Sæther, O. A. and Schnell, Ø. A. (1988) [15 July 1988] *Heterotrissocladus brundini* spec. nov. from Norway (Diptera, Chironomidae). Pp 57-64. In Fittkau, E. J. (ed.): *Festschrift zu Ehren von Lars Brundin. Spixiana Supplement* **14**.
- Sæther, O. A. and Schnell, Ø. A. (1988) [15 July 1988] Two new species of the *Rheocricotopus* (*R.*) *effusus* group (Diptera, Chironomidae). Pp 65-74. In Fittkau, E. J. (ed.): *Festschrift zu Ehren von Lars Brundin. Spixiana Supplement* **14**.
- Sæther, O.A. and Spies, M. (2011) [27 January 2011] Fauna Europaea: Chironomidae. In Beuk P, Pape T. (eds.) *Fauna Europaea: Diptera Nematocera. Fauna Europaea version 2.4*. Internet database at <http://www.faunaeur.org> [accessed January 2011 to

May 2012.]

[Last updated on the 27 January 2011, as indicated on the website, which is regarded as the date of publication and which supersedes the previous version dated +31 December 2004.]

- Sæther, O. A. and Sublette, J. E. (1983) [2 December 1983] A review of the genera *Doithrix* n. gen., *Georthocladus* Strenzke, *Parachaetocladus* Wülker and *Pseudorthocladus* Goetghebuer (Diptera: Chironomidae, Orthoclaadiinae). *Entomologica Scandinavica Supplement* **20**: 1-100.
- Sæther, O. A. and Wang, X. (1993) [*8 March 1993] *Euryhopsis fuscipropes* sp. n. from China and *Tokyobrillia anderseni* sp.n. from Tanzania, with a review of genera near *Irisobrillia* Oliver (Diptera: Chironomidae). *Annales de Limnologie* **28**(3): 209-223.
[Although the paper was published in the 3rd part for 1992 it was evidently printed in the "1^{er} trimestre 1993" as indicated at the bottom of the unnumbered page inside the back issue cover]
- Sæther, O. A. and Wang, X. (1995) [21 August 1995] Revision of the genus *Paraphaenocladus* Thienemann, 1924 of the world (Diptera: Chironomidae, Orthoclaadiinae). *Entomologica Scandinavica Supplement* **48**: 1-69.
- Sæther, O. A. and Wang, X. (1996) [+31 December 1996] Revision of the orthoclad genus *Propsilocerus* Kieffer (= *Tokunagayusurika* Sasa) (Diptera: Chironomidae). *Entomologica Scandinavica* **27**(4): 441-479.
- Sæther, O. A. and Wang, X. (2000) [1 December 2000] First record of the genus *Paratrissocladius* Zavřel from the Oriental Region (Diptera: Chironomidae). *Tijdschrift voor Entomologie* **143**(2): 291-294.
- Sæther, O. A., Ashe, P. and Murray, D. A. (2000) [20 February 2000] Family Chironomidae. Pp 113-334. In Papp, L. and Darvas, B. (eds) *Contributions to a Manual of Palaearctic Diptera (with special reference to the flies of economic importance)*. Volume 4 (Appendix) A.6. Science Herald, Budapest.
- Sæther, O. A., Sublette, J. E. and Willassen, E. (1984) [27 September 1984] Chironomidae (Diptera) from the 2nd Fram Expedition (1898-1902) to Arctic North America described by J. J. Kieffer. *Entomologica Scandinavica* **15**(2): 249-275.
- Şahin, Y. (1980) [***30 December 1980] Elaziğ ve kismen çevre illerinin Chironomidae (Diptera) limnofaunasinin tesbiti ve taksonomik incelenmesi [Taxonomic investigation and determination of Limnofauna of Chironomidae (Diptera) in Elaziğ and partly in surrounding districts]. *Firat Üniversitesi Veteriner Fakültesi Dergisi* **5**: 180-182.
- Şahin, Y. (1987) [+31 December 1987] Marmara, Ege bölgeleri ve Sakarya sistemi akarsuları Chironomidae (Diptera) larvaları ve yayılışları (Chironomidae larvae and their distribution in rivers from the regions of Marmara, Ege and Sakarya). *Türk Zooloji Dergisi* **11**(3): 179-188.
- Santos-Abreu, E. (1918) [+31 January 1918] Ensayo de una monografía de los Tendipedidos de las Islas Canarias. *Memorias de la Real Academia de Ciencias y Artes de Barcelona* **14**(2): 159-326.

A WORLD CATALOGUE OF CHIRONOMIDAE (DIPTERA). PART 2.

- Sasa, M. (1978) [15 June 1978] Taxonomical and biological notes on *Tokunagayusurika akamusi* (Tokunaga), with description of immature stages (Diptera, Chironomidae). *Japanese Journal of Sanitary Zoology* **29**(2): 93-101.
- Sasa, M. (1979) [+31 March 1979] A morphological study of adults and immature stages of 20 Japanese species of the family Chironomidae (Diptera). *Research Report from the National Institute for Environmental Studies* **7**: 1-149.
- Sasa, M. (1981) [30 September 1981] Studies on chironomid midges of the Tama River. Part 3. Species of the subfamily Orthocladiinae recorded at the summer survey and their distribution in relation to the pollution with sewage waters. *Research Report from the National Institute for Environmental Studies* **29**: 1-78.
- Sasa, M. (1981) [30 September 1981] Studies on chironomid midges of the Tama River. Part 4. Chironomidae recorded at a winter survey. *Research Report from the National Institute for Environmental Studies* **29**: 79-148.
- Sasa, M. (1983) [+31 March 1983] Studies on chironomid midges of the Tama River. Part 6. Description of species of the subfamily Orthocladiinae recovered from the main stream in the June survey. *Research Report from the National Institute for Environmental Studies* **43**: 69-100.
- Sasa, M. (1984) [+31 March 1984] Studies on chironomid midges in lakes of the Nikko National Park. Part II. Taxonomical and morphological studies on the chironomid species collected from lakes in the Nikko National Park. *Research Report from the National Institute for Environmental Studies* **70**: 19-215.
- Sasa, M. (1985) [+31 March 1985]. Studies on chironomid midges of some lakes in Japan. Part II. Studies on the chironomids collected from lakes in southern Kyushu (Diptera, Chironomidae). *Research Report from the National Institute for Environmental Studies* **83**: 25-100.
- Sasa, M. (1985) [+31 March 1985]. Studies on chironomid midges of some lakes in Japan. Part III. Studies on the chironomids collected from lakes in the Mount Fuji area (Diptera, Chironomidae). *Research Report from the National Institute for Environmental Studies* **83**: 101-160.
- Sasa, M. (1988) [+31 March 1988] Studies on the chironomid midges collected from lakes and streams in the southern region of Hokkaido, Japan. Pp. 9-76. In Sasa, M., Sugaya, Y. and Yasuno, M.: *Studies on the chironomid midges of lakes in southern Hokkaido. Research Report from the National Institute for Environmental Studies* **121**.
- Sasa, M. (1989) [+30 November 1989] Chironomidae of Japan: checklist of species recorded, key to males and taxonomic notes. *Research Report from the National Institute for Environmental Studies* **125**: 1-177.
- Sasa, M. (1989) [+31 December 1989] Studies on the chironomid midges (Diptera, Chironomidae) of Shou River. Pp 26-45. In Some characteristics of Nature Conservation within the chief rivers in Toyama Prefecture (The upper reach of Shou River). *Research Report Toyama Prefectural Environmental Pollution Research Center* **1989**.
- Sasa, M. (1989) [+31 December 1989] Chironomid midges of some rivers in western Japan. Pp 46-110. In Some characteristics of Nature Conservation within the chief rivers in

- Toyama Prefecture (The upper reach of Shou River). *Research Report Toyama Prefectural Environmental Pollution Research Center* **1989**.
- Sasa, M. (1990) [+30 June 1990] Studies on the chironomid midges (Diptera, Chironomidae) of the Nansei Islands, southern Japan. *Japanese Journal of Experimental Medicine* **60**(3): 111-165.
- Sasa, M. (1990) [+31 December 1990] Studies on the chironomid midges of Jintsu River (Diptera, Chironomidae). Pp 29-67. *In* Some characteristics of nature conservation within the chief rivers in Toyama Prefecture (The upper reach of Jinzu River). *Research Report Toyama Prefectural Environmental Pollution Research Center* **1990**.
- Sasa, M. (1991) [+31 December 1991] Annex studies on the chironomids of some rivers and lakes in Japan. Part 2. Studies on the chironomids of the Lake Towada area, Aomori. Pp 68-81. *In* Some characteristics of nature conservation within the chief rivers in Toyama Prefecture (The upper reach of Jyoganji River, Hayatsuki River and Katakai River). *Research Report Toyama Prefectural Environmental Pollution Research Center* **1991**.
- Sasa, M. (1991) [+31 December 1991] Part 3. Studies on the chironomids of the Lake Nojiri area, Nagano. Pp 82-88. *In* Some characteristics of nature conservation within the chief rivers in Toyama Prefecture (The upper reach of Jyoganji River, Hayatsuki River and Katakai River). *Research Report Toyama Prefectural Environmental Pollution Research Center* **1991**.
- Sasa, M. (1993) [+31 December 1993] Part 4. The chironomids collected on a highland swamp of Mount Tate (Toyama). Pp 63-68. *In* Sasa, M. (ed.): Studies on the chironomid midges (Yusurika) collected in Toyama and other area of Japan, 1993. *Research Report Toyama Prefectural Environmental Pollution Research Center* **1993**: 63-68.
- Sasa, M. (1993) [+31 December 1993] Part 5. The chironomids collected from lakes in the Aizu District (Fukushima). Pp 69-95. *In* Sasa, M. (ed.): Studies on the chironomid midges (Yusurika) collected in Toyama and other area of Japan, 1993. *Research Report Toyama Prefectural Environmental Pollution Research Center* **1993**: 69-95.
- Sasa, M. (1993) [+31 December 1993] Part 6. A new species of the genus *Eukiefferiella* collected from Lake Shoj (Yamanashi). Pp 96-97. *In* Sasa, M. (ed.): Studies on the chironomid midges (Yusurika) collected in Toyama and other area of Japan, 1993. *Research Report Toyama Prefectural Environmental Pollution Research Center* **1993**.
- Sasa, M. (1994) [+31 December 1994] Part 1. Additional information on the Chironomidae of Japan, 1994. *Research Report from Toyama Prefectural Environmental Pollution Science Research Center* **1994**: 28-67.
- Sasa, M. (1996) [+31 March 1996] Seasonal distribution of the chironomid species collected with light traps at the side of two lakes in the Toyama City Family Park. *Research Report from Toyama Prefectural Environmental Pollution Science Research Center* **1996 (March)**: 15-112.

- Sasa, M. (1996) [+31 December 1996] A. Studies on the chironomids collected at the side of Kuroyon Lake and on the highlands of Mount Tate, Toyama. Pp 16-47. In Sasa, M. (ed.) Studies on the Chironomidae of Japan, 1996. *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (December)**.
- Sasa, M. (1996) [+31 December 1996] C. Studies on the chironomid species collected on the shore of Kurobe River at Unazuki, Toyama. Pp 57-60. In Sasa, M. (ed.) Studies on the Chironomidae of Japan, 1996. *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (December)**.
- Sasa, M. (1996) [+31 December 1996] D. Studies on the chironomids additionally collected on the shore of Jinzu River, Toyama. Pp 61-84. In Sasa, M. (ed.) Studies on the Chironomidae of Japan, 1996. *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (December)**.
- Sasa, M. (1996) [+31 December 1996] G. Studies on the additional specimens of Chironomidae collected from Gunma Prefecture. Pp 85-92. In Sasa, M. (ed.) Studies on the Chironomidae of Japan, 1996. *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (December)**.
- Sasa, M. (1996) [+31 December 1996] H. Studies on the chironomids collected on the shore of Lake Haruna, Gunma Prefecture. Pp 93-102. In Sasa, M. (ed.) Studies on the Chironomidae of Japan, 1996. *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1996 (December)**.
- Sasa, M. (1998) [+28 February 1998] Part 1. Studies on the chironomids collected throughout the year in the Shofuku Garden, near the mouth of Kurobe River, Toyama. *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25(3)**: 14-69.
- Sasa, M. and Arakawa, R. (1994) [+31 December 1994] Part 3. Seasonal changes of chironomid species emerging from Lake Furudo. *Research Report Toyama Prefectural Environmental Pollution Research Center* **1994**: 88-109.
- Sasa, M. and Hasegawa, H. (1988) [15 September 1988] Additional records of the chironomid midges from the Ryukyu Islands, southern Japan (Diptera, Chironomidae). *Japanese Journal of Sanitary Zoology* **39(3)**: 229-256.
- Sasa, M. and Hirabayashi, K. (1991) [15 June 1991] Studies on the chironomid midges (Diptera, Chironomidae) collected at Kamikochi and Asama-Onsen, Nagano Prefecture. *Japanese Journal of Sanitary Zoology* **42(2)**: 109-128.
- Sasa, M. and Hirabayashi, K. (1993) [15 December 1993] Studies on the additional chironomids (Diptera, Chironomidae) collected at Kamikochi and Asama-Onsen, Nagano, Japan. *Japanese Journal of Sanitary Zoology* **44(4)**: 361-393.
- Sasa, M. and Kamimura, K. (1987) [+31 March 1987] Chironomid midges collected on the shore of lakes in the Akan National Park, Hokkaido (Diptera, Chironomidae). Pp. 9-61. In Yasuno, M., Sugaya, Y., Sasa, M. and Kamimura, K.: Studies on the chironomid midges of lakes in the Akan National Park, Hokkaido. *Research Report from the National Institute for Environmental Studies* **104**.
- Sasa, M. and Kawai, K. (1987) [20 March 1987] Studies on the chironomid midges of the stream Itachigawa, Toyama. *Bulletin of the Toyama Science Museum* **10**: 25-72.

- Sasa, M. and Kawai, K. (1987) [+31 March 1987] Studies on chironomid midges of Lake Biwa (Diptera, Chironomidae). *Lake Biwa Study Monographs* **3**: 1-119. Lake Biwa Research Institute, Otsu.
- Sasa, M. and Kondo, S. (1991) [+31 December 1991] Part 6. Studies on the chironomids of the middle reaches of Kiso River, Aichi. Pp 101-104. In Some characteristics of nature conservation within the chief rivers in Toyama Prefecture (The upper reach of Jyoganji River, Hayatsuki River and Katakai River). *Research Report Toyama Prefectural Environmental Pollution Research Center* **1991**.
- Sasa, M. and Kondo, S. (1993) [+31 December 1993] Part 7. Additional chironomids recorded from the middle reaches of Kiso River. Pp. 98-106. In Sasa, M. (ed.): Studies on the chironomid midges (Yusurika) collected in Toyama and other area of Japan, 1993. *Research Report Toyama Prefectural Environmental Pollution Research Center* **1993**.
- Sasa, M. and Kondo, S. (1994) [+31 December 1994] Part 6. Additional studies on the chironomids of the middle reaches of Kiso River. *Research Report Toyama Prefectural Environmental Pollution Research Center* **1994**: 125-148.
- Sasa, M. and Nishino, M. (1995) [15 March 1995] Notes on the chironomid species collected in winter on the shore of Lake Biwa. *Japanese Journal of Sanitary Zoology* **46**(1): 1-8.
- Sasa, M. and Nishino, M. (1996) [15 December 1996] Two new species of Chironomidae collected in winter on the shore of Lake Biwa, Honshu, Japan. *Japanese Journal of Sanitary Zoology* **47**(4): 317-322.
- Sasa, M. and Ogata, K. 1999 [15 June 1999] Taxonomic studies on the chironomid midges (Diptera, Chironomidae) collected from the Kurobe Municipal Sewage Treatment Plant. *Medical Entomology and Zoology* **50**(2): 85-104.
- Sasa, M. and Okazawa, T. (1991) [+31 December 1991] Part 1. Studies on the chironomids of the Joganji River, Toyama (Diptera, Chironomidae). Pp 52-67. In Some characteristics of nature conservation within the chief rivers in Toyama Prefecture (The upper reach of Jyoganji River, Hayatsuki River and Katakai River). *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**.
- Sasa, M. and Okazawa, T. (1991) [+31 December 1991] Part 7. Studies on the subfamily Chironominae collected in Toga-mura. Toyama-ken. Pp 105-155. In Some characteristics of nature conservation within the chief rivers in Toyama Prefecture (The upper reach of Jyoganji River, Hayatsuki River and Katakai River). *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**.
- Sasa, M. and Okazawa, T. (1992) [+31 December 1992] Studies on the chironomid midges (yusurika) of Kurobe River. Pp 40-91. In Some characteristics of nature conservation within the chief rivers in Toyama Prefecture (The upper reach of Kurobe River). *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**.
- Sasa, M. and Okazawa, T. (1992) [+31 December 1992] Part 2. Studies on the chironomid midges (Yusurika) of Toga Mura, Toyama. The subfamily Orthoclaadiinae. Pp 92-204. In Some characteristics of nature conservation within the chief rivers in Toyama

- Prefecture (The upper reach of Kurobe River). *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**.
- Sasa, M. and Okazawa, T. (1993) [+31 December 1993] Part 2. The chironomids collected at Bijodaira and Unazuki (Toyama). Pp 48-54. In Sasa, M. (ed.): Studies on the chironomid midges (Yusurika) collected in Toyama and other area of Japan, 1993. *Research Report Toyama Prefectural Environmental Pollution Research Center* **1993**.
- Sasa, M. and Okazawa, T. (1994) [+31 December 1994] Part 2. Additional information on the Chironomidae of the Hokuriku Region. *Research Report Toyama Prefectural Environmental Pollution Research Center* **1994**: 68-87.
- Sasa, M. and Shimomura, H. (1993) [+31 December 1993] Part 8. Additional chironomids species collected from Hiroshima. Pp 107-109. In Sasa, M. (ed.): Studies on the chironomid midges (Yusurika) collected in Toyama and other area of Japan, 1993. *Research Report Toyama Prefectural Environmental Pollution Research Center* **1993**.
- Sasa, M. and Sumita, M. (1998) [+28 February 1998] Part 2. The chironomid species collected on the shore of Lake Kibagata. *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 70-74.
- Sasa, M. and Suzuki, H. (1991) [+31 December 1991] Part 5. Studies on the chironomids of the Aso National Park area, Kyushu. Pp 93-100. In Some characteristics of nature conservation within the chief rivers in Toyama Prefecture (The upper reach of Jyoganji River, Hayatsuki River and Katakai River). *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1991**.
- Sasa, M. and Suzuki, H. (1993) [+31 December 1993] Part 9. Additional records of Chironomidae from Amani Island. Pp 110-124. In Sasa, M. (ed.) Studies on the chironomid midges (Yusurika) collected in Toyama and other area of Japan, 1993. *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1993**.
- Sasa, M. and Suzuki, H. (1995) [15 September 1995] The chironomid species collected on the Tokara Islands, Kagoshima (Diptera). *Japanese Journal of Sanitary Zoology* **46**(3): 255-288.
- Sasa, M. and Suzuki, H. (1997) [15 December 1997] Studies on the Chironomidae (Diptera) collected from the Ogasawara Islands, southern Japan. *Medical Entomology and Zoology* **48**(4): 315-343.
- Sasa, M. and Suzuki, H. (1997) [+31 December 1997] Studies on the Chironomidae (Diptera, Insecta) collected in Mongolia. *Japanese Journal of Tropical Medicine and Hygiene* **25**(4): 149-189.
- Sasa, M. and Suzuki, H. (1998) [10 September 1998] Studies on the chironomid midges collected in Hokkaido and northern Honshu. *Tropical Medicine* **40**(1): 9-43.
[Issue date of the 10 September 1998 given on the Nagasaki University's Academic Output Website <http://naosite.lb.nagasaki-u.ac.jp/dspace/>]

- Sasa, M. and Suzuki, H. (1998) [+28 February 1998] Part 3. Studies on the chironomid species collected in Kyushu. *Bulletin of Toyama Prefectural Environmental Pollution Research Center* **25**(3): 75-105.
- Sasa, M. and Suzuki, H. (1999) [30 September 1999] Studies on the chironomid midges of Tsushima and Iki Islands, western Japan: Part 2. Species of Orthoclaadiinae and Tanypodinae collected on Tsushima. *Tropical Medicine* **41**(2): 75-132.
[Issue date of the 30 September 1999 given on the Nagasaki University's Academic Output Website <http://naosite.lb.nagasaki-u.ac.jp/dspace/>]
- Sasa, M. and Suzuki, H. (1999) [30 November 1999] Studies on the chironomid midges of Tsushima and Iki Islands, western Japan: Part 3. The chironomid species collected on Iki Island. *Tropical Medicine* **41**(3): 143-179.
[Issue date of the 30 November 1999 given on the Nagasaki University's Academic Output Website <http://naosite.lb.nagasaki-u.ac.jp/dspace/>]
- Sasa, M. and Suzuki, H. (2000) [30 June 2000] Studies on the chironomid species collected on Ishigaki and Iriomote Islands, Southwestern Japan. *Tropical Medicine* **42**(1): 1-37.
[Issue date of the 30 June 2000 given on the Nagasaki University's Academic Output Website <http://naosite.lb.nagasaki-u.ac.jp/dspace/>]
- Sasa, M. and Suzuki, H. (2000) [30 September 2000] Studies on the chironomid midges collected on Yakushima Island, southwestern Japan. *Tropical Medicine* **42**(2): 53-134.
[Issue date of the 30 September 2000 given on the Nagasaki University's Academic Output Website <http://naosite.lb.nagasaki-u.ac.jp/dspace/>]
- Sasa, M. and Suzuki, H. (2001) [19 March 2001] Studies on the chironomid collected on Goto Islands, western Japan. *Tropical Medicine* **42**(3/4): 141-174.
[Issue date of the 19 March 2000 given on the Nagasaki University's Academic Output Website <http://naosite.lb.nagasaki-u.ac.jp/dspace/> is apparently an error for 19 March 2001 because issue (3/4) could not have been published before the two previous issues published on the 30 June 2000 and the 30 September 2000.]
- Sasa, M. and Suzuki, H. (2001) [19 March 2001] Studies on the chironomid species collected at five localities in Hokkaido in September, 1998 (Diptera, Chironomidae). *Tropical Medicine* **42**(3/4): 175-199.
[Issue date of the 19 March 2000 given on the Nagasaki University's Academic Output Website <http://naosite.lb.nagasaki-u.ac.jp/dspace/> is apparently an error for 19 March 2001 because issue (3/4) could not have been published before the two previous issues published on the 30 June 2000 and the 30 September 2000.]
- Sasa, M. and Suzuki, H. (2001) [15 October 2001] Studies on the chironomids species collected in Hokkaido in September, 2000. *Tropical Medicine* **43**(1/2): 1-38.
[Issue date of the 15 October 2001 given on the Nagasaki University's Academic Output Website <http://naosite.lb.nagasaki-u.ac.jp/dspace/>]
- Sasa, M. and Suzuki, H. (2002) [28 June 2002] Studies on the species of family Chironomidae (Diptera) collected on Minamidaito Island, Okinawa, south Japan. Part 1. *Tropical Medicine* **43**(3/4): 61-92.

[Issue date of the 28 June 2002 given on the Nagasaki University's Academic Output Website <http://naosite.lb.nagasaki-u.ac.jp/dspace/>]

- Sasa, M. and Tanaka, N. (1998) [+31 December 1998] Notes on the chironomid species collected in Gunma Prefecture in 1996-1997. *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **30**: 37-46.
- Sasa, M. and Tanaka, N. (2000) [+31 December 2000] Description of new species of Chironomidae collected with light traps at the side of Tone River, Gunma Prefecture. *Annual Report of Gunma Prefecture Institute of Public Health and Environmental Sciences* **32**: 38-48.
- Sasa, M. and Tanaka, N. (2001) [+31 December 2001] Studies on the chironomid midges collected with light traps during the summer season by the bridge of the Tone River, Gunma Prefecture. *Annual Report of the Gunma Prefecture Institute of Public Health and Environmental Science* **33**: 41-73.
- Sasa, M. and Tanaka, H. (2002) [+31 December 2002] Studies on the insects of the family Chironomidae collected in winter from the Tone River, Gunma Prefecture. *Annual Report of Gunma Prefectural Institute of Public Health and Environmental Sciences* **34**: 27-54.
- Sasa, M. and Ueno, K. (1994) [+31 December 1994] Part 4. A new species of *Hydrobaenus* collected in Tsukuba. *Research Report Toyama Prefectural Environmental Pollution Research Center* **1994**: 110-111.
- Sasa, M. and Yamamoto, M. (1977) [15 September 1977] A checklist of Chironomidae recorded from Japan. *Japanese Journal of Sanitary Zoology* **28**(3): 301-318.
- Sasa, M., Kawai, K. and Ueno, R. (1988) [+31 December 1988] Studies on the chironomid midges of the Oyabe River, Toyama, Japan. Pp 26-85. In Some characteristics of nature conservation within the chief rivers in Toyama Prefecture (The upper reach of Oyabe River). *Research Report Toyama Prefectural Environmental Pollution Research Center* **1988**.
- Sasa, M., Kitami, K. and Suzuki, H. (2000) [+31 December 2000] Studies on the chironomid midges collected with light traps and by sweeping on the shore of Lake Inawashiro, Fukushima Prefecture. Part 1. Species collected during June to August, 1999. *Memoirs of the Museum of Dr. Hideyo Noguchi*: 1-37.
- Sasa, M., Kitami, K. and Suzuki, H. (2001) [+31 December 2001] Additional studies on the chironomid midges collected on the shore of Lake Inawashiro. *Memoirs of the Museum of Dr. Hideyo Noguchi*: 1-38.
- Sasa, M., Shimomura, H. and Matsuo, Y. (1991) [15 December 1991] Description of three chironomid species collected in Hiroshima Prefecture, Japan (Diptera, Chironomidae). *Japanese Journal of Sanitary Zoology* **42**(4): 281-287.
- Sasa, M., Suzuki, H. and Sakai, T. (1999) [29 January 1999] Studies on the chironomid midges collected on the shore of Shimanto River in April, 1998. Part 2. Description of additional species belonging to Orthocladiinae, Diamesinae and Tanypodinae. *Tropical Medicine* **40**(3): 99-147.

[Issue date of the 29 January 1999 given on the Nagasaki University's Academic Output Website <http://naosite.lb.nagasaki-u.ac.jp/dspace/>]

- Sasa, M., Watanabe, M. and Arakawa, R. (1992) [+31 December 1992] Additional records of Chironomidae from Toga-Mura, 1992. Pp 231-246. In Some characteristics of nature conservation within the chief rivers in Toyama Prefecture (The upper reach of Kurobe River). *Research Report from Toyama Prefectural Environmental Pollution Research Center* **1992**.
- Saunders, L. G. (1928) [10 December 1928] Some marine insects of the Pacific coast of Canada. *Annals of the Entomological Society of America* **21**(4): 521-545.
- Säwedal, L. (1976) [30 December 1976] *Chaetocladius britae* n.sp., a new chironomid species from Northern Sweden with a hypopygium inversum (Diptera: Chironomidae). *Entomologica Scandinavica* **7**(4): 311-313.
- Say, T. (1823) [+30 April 1823] Descriptions of dipterous insects of the United States. *Journal of the Academy of Natural Sciences of Philadelphia* **3**: 9-32.
- Schaeffer, C. (1914) [5 November 1914] Collembola, Siphonaptera, Diptera, and Coleoptera of the South Georgia Expedition. *Science Bulletin, Museum of the Brooklyn Institute of Arts and Sciences* **2**(4): 90-94.
- Schiner, I. R. (1857) [+30 June 1857] Anmerkungen zu dem im Bande V, pag. 13 dieser Verhandlungen abgedruckten Aufsatz Frauenfeld's: Beitrag zur Insecten-Geschichte. *Verhandlungen des Zoologisch-Botanischen Vereins in Wien* **6**: 215-224. [This reference in Chironomidae is usually cited as 1856 but according to Dr Neal Evenhuis (unpublished data), volume six (without any part numbers) has a date of receipt at the Akademie Wissenschaften Wien of June 1857 and currently the earliest provable date of publication is +30 June 1857.]
- Schiner, I. R. (1868) [30 April 1868] Diptera. Pp vi. + 388. In: *Reise der österreichischen Fregatte Novara um die Erde in den Jahren 1857, 1858, 1859 unter den Befehlen des Commodore B. Von Wüllerstorff-Urbair*. Zoologischer Theil. Zweiter Band. 1 Abtheilung. B. K. Gerold's Sohn, Wien [= Vienna]. [Publication date is from Evenhuis (1997: 696).]
- Schlee, D. (1968) [3 January 1968] Phylogenetic studies on Chironomidae (Dipt.). With special reference to the *Corynoneura* group. Pp 130-138. In Palmén, E. (ed.) *The Second International Symposium on Chironomid Research, Helsinki 1967*. *Annales Zoologici Fennici* **5**: 1-158.
- Schlee, D. (1968) [1 August 1968] Vergleichende Merkmalsanalyse zur Morphologie und Phylogenie der *Corynoneura*-Gruppe (Diptera, Chironomidae). Zugleich eine Allgemeine Morphologie der Chironomiden-Imago (♂). *Stuttgarter Beiträge zur Naturkunde* **180**: 1-150.
- Schmölzer, K. (1962) [15 December 1962] Die Kleintierwelt der Nunatakker als Zeugen einer Eiszeitüberdauerung, ein Beitrag zum Problem der Prä- und Interglazialrelikte auf alpinen Nunatakkern. *Mitteilungen aus dem Zoologischen Museum in Berlin* **38**(2): 171-400.
- Schnell, Ø. A. (1991) [+31 January 1991] A new species of *Bryophaenocladius* Thienemann (Diptera: Chironomidae) from Norway, with emendations to the diagnoses of the genus. *Entomologica Scandinavica* **21**(4): 435-443.
- Schnell, Ø. A. and Sæther, O. A. (1988) [15 July 1988] *Vivacricotopus*, a new genus of

- Orthoclaadiinae from Norway (Diptera, Chironomidae). In Fittkau, E. J. (ed.): *Festschrift zu Ehren von Lars Brundin. Spixiana Supplement* **14**: 49-55.
- Schrank, F. von P. (1803) [+31 December 1803] *Fauna Boica. Durchgedachte Geschichte der in Baiern einheimischen und zahmen Thiere*. Band **3**(1). viii + 272 pp. P. Krüll, Landshut.
- Séguy, E. (1965) [24 September 1965] Deux nouveaux Tendipédides des Iles Crozet (Insectes Diptères Nématocères). *Bulletin du Muséum National d'Histoire Naturelle Paris* (2) **37**: 285-289.
- Serra-Tosio, B. (1967) [1 June 1967] Sur les Orthoclaadiinae du genre *Heleniella* Gowin (Diptera, Chironomidae). *Deutsche Entomologische Zeitschrift* (Neue Folge) **14**(1/2): 153-162.
- Serra-Tosio, B. (1982) [+30 September 1982] Description du mâle de *Belgica albipes* (Seguy, 1965), n. comb., rare Chironomidé microptère des Iles Crozet (Diptera). *Nouvelle Revue d'Entomologie* (Nouvelle Série) **4**(3): 97-100.
[The last page of issue three states that it was legally deposited in the third quarter of 1982 and currently the earliest provable date of publication is the +30 September 1982 which is last day of the third quarter.]
- Serra-Tosio, B. (1984) [26 July 1984] Trois chironomidés nouveaux de la région Rhône-Alpes [Dipt. Nematocera]. *Bulletin de la Société Entomologique de France* **88**(9/10): XII-XX.
[All the issues in Volume 88 have normal page numbers except issue 9/10 (which includes the paper by Serra-Tosio) where all the page numbers are given in Roman numerals.]
- Shilova, A. I. (1971) [+31 December 1971] Metamorfoz *Trissocladius megastylus* sp. n. (Diptera, Chironomidae) [Metamorphosis of *Trissocladius megastylus* sp. n. (Diptera, Chironomidae)]. *Trudy Instituta Biologii Vnutrennikh Vod* **22**(25): 123-131.
- Shilova, A. I. and Zelentsov, N. I. (1978) [+31 October 1978] Novyi rod i vid khironomid podsemeistva Orthoclaadiinae (Diptera, Chironomidae) (A new genus and species of the subfamily Orthoclaadiinae (Diptera, Chironomidae)). *Zoologicheskii Zhurnal* **57**(10): 1584-1588.
- Siebert, M. (1979) [1 December 1979] Two new chironomids (Diptera: Chironomidae) from Germany and Austria. *Aquatic Insects* **1**(3): 165-168.
- Singh, S. (1958) [+31 August 1958] Entomological survey of the Himalaya. Part XXIX. - On a collection of nival Chironomidae (Diptera) from the north-west (Punjab) Himalaya. *Proceedings of the National Academy of Sciences of India* (B) **28**: 308-314.
- Singh, S. and Maheshwari, G. (1987) [+31 December 1987] Chironomidae (Diptera) of Chandertal Lake, Lahul Valley (Northwest Himalaya). *Annals of Entomology* **5**(2): 11-20.
- Sinharay, D. C. and Chaudhuri, P. K. (1978) [15 December 1978] A study on Orthoclaadiinae of India Part III. Genus *Metriocnemus* van der Wulp (Diptera, Chironomidae). *Spixiana* **1**(3): 281-286.
- Sinharay, D. C. and Chaudhuri, P. K. (1979) [5 October 1979] Genus *Parametriocnemus* Goetghebuer from India (Diptera: Chironomidae). *Entomologica Scandinavica*

Supplement 10: 119-123.

- Sinharay, D. C. and Chaudhuri, P. K. (1985) [+31 July 1985] New species of the genus *Nasuticladius* Freeman (Diptera : Chironomidae) from India. *Journal of the Bengal Natural History Society* (New Series) **3**(1): 56-62.
[The paper appeared in the June 1984 issue which was not published until July 1985 and the publication date is therefore the +31 July 1985.]
- Sinharay, D. C., Chaudhuri, P. K. and Choudhuri, D. K. (1978) [+30 November 1978] Studies on Orthoclaadiinae (Diptera : Chironomidae) of India. Genus *Eukiefferiella* Thienemann. *Oriental Insects* **12**(3) 347-354.
- Sinyagina, T. M. (1958) [17 July 1958] Novye vidy lichinok tendipedid (Tendipedidae) podsem. Orthoclaadiinae iz nekotorykh vodoemov Turkmenistana [New species of tendipedid larvae of the subfamily Orthoclaadiinae (Tendipedidae) from some bodies of water in Turkmenistan]. *Trudy Murgabskoi Gidrobiologicheskoi Stantsii* **4**: 228-230. Ashkhabad.
[The above volume was received by the Zoological Institute in Leningrad (now St Petersburg), on the 17 July 1958, according to the card index of the library (Dr Andrey Przhiboro pers. comm. to P. Ashe), which is currently regarded as the earliest provable date of publication.]
- Skuse, F. A. A. (1889) [20 September 1889] Diptera of Australia. Part VI. — The Chironomidae. *Proceedings of the Linnaean Society of New South Wales* (2) **4**(1): 215-311.
- Soponis, A. R. (1977) [*10 October 1977] A revision of the Nearctic species of *Orthocladus* (*Orthocladus*) van der Wulp (Diptera: Chironomidae). *Memoirs of the Entomological Society of Canada* **102**: 1-187.
- Soponis, A. R. (1979) [5 October 1979] *Zalutschia briani* n.sp. from Florida (Diptera: Chironomidae). In Sæther, O. A. (ed.). *Recent development in chironomid studies (Diptera: Chironomidae)*. *Entomologica Scandinavica Supplement* **10**: 125-131.
- Soponis, A. R. (1981) [23 January 1981] *Pseudorthocladus macrostomus*, a new species of chironomid (Diptera) with a long proboscis. *Florida Entomologist* **63**(4): 485-490.
[This paper appeared in the December 1980 issue which was not published until the 23 January 1981 (the mailing date).]
- Soponis, A. R. (1983) [29 November 1983] *Orthocladus* (*Orthocladus*) *ferringtoni*, n. sp., from Kansas (Diptera: Chironomidae). *Journal of the Kansas Entomological Society* **56**(4): 571-577.
- Soponis, A. R. (1986) [30 December 1986] The transfer of *Orthocladus rusticus* Goetghebuer to *Chaetocladus* with a redescription of the type (Diptera: Chironomidae). *Entomologica Scandinavica* **17**(3): 299-300.
- Soponis, A. R. (1987) [31 August 1987] Notes on *Orthocladus* (*Orthocladus*) *frigidus* (Zetterstedt) with a redescription of the species (Diptera: Chironomidae). Pp 123-131. In Sæther, O. A. (ed.): *A conspectus of contemporary studies in Chironomidae (Diptera)*. *Contributions from the IXth International Symposium on Chironomidae, Bergen, Norway, 1985*. *Entomologica Scandinavica Supplement* **29**: 1-393.
- Soponis, A. R. (1990) [31 January 1990] A revision of the Holarctic species of *Orthocladus*

- (*Euorthocladius*) (Diptera: Chironomidae). *Spixiana Supplement* **13**: 1-68.
- Spärck, R. (1922) [4 May 1922] Beiträge zur Kenntnis der Chironomidenmetamorphose I-IV. *Entomologische Meddelelser* **14**(1): 32-48.
- Spärck, R. (1923) [18 April 1923] Beiträge zur Kenntnis der Chironomidenmetamorphose I-IV. *Entomologische Meddelelser* **14**(2/3): 49-109.
[Part of the paper by Spärck was published in 1922 (see previous reference above) and the remainder was published in 1923. All the new taxonomic names were published in the 1923 section – for more details see Spies and Sæther (2004: 11).]
- Spärck, R. and Thienemann, A. (1924) [+31 December 1924] „*Metriocnemus*“ *ampullaceus* var. *austriacus*. *Verhandlungen der Internationalen Vereinigung für Theoretische und Angewandte Limnologie* **2**: 222-223.
- Spies, M. (1999) [15 September 1999] *Cricotopus (Isocladius) subletteorum*, a new species of Chironomidae (Diptera) from the southwestern United States. Pp 199-207. In Berg, M. B., Ferrington Jr, L. C. and Hayford, B. L. (eds): *A festschrift honoring Mary and Jim Sublette. Part 1: taxonomy and systematics of Chironomidae. Journal of the Kansas Entomological Society* **71**(3).
- Spies, M. (1999) [+30 September 1999] Overlooked historic descriptions. *Chironomus* **12**: 24.
- Spies, M. (2007) [31 March 2007] Case 3355. ORTHOCLADIINAE Kieffer, 1911 and *Orthocladius* van der Wulp, 1874 (Insecta, Diptera, CHIRONOMIDAE): proposed conservation of subfamilial name and fixation of type species. *Bulletin of Zoological Nomenclature* **64**(1): 45-53.
- Spies, M. and Evenhuis, N. L. (2007) [30 June 2007] [Comment] (1). Pp 124-125. In Comments on the proposed conservation of the subfamilial name ORTHOCLADIINAE Kieffer, 1911 and on the proposed type-species fixation for *Orthocladius* van der Wulp, 1874 (Diptera, CHIRONOMIDAE). (Case 3355; see BZN 64: 45–53). *Bulletin of Zoological Nomenclature* **64**(2): 124-126.
- Spies, M. and Reiss, F. (1996) [1 November 1996] Catalog and bibliography of Neotropical and Mexican Chironomidae (Insecta, Diptera). *Spixiana Supplement* **22**: 61-119.
- Spies, M. and Sæther, O. A. (2004) [3 December 2004] Notes and recommendations on taxonomy and nomenclature of Chironomidae (Diptera). *Zootaxa* **752**: 1-90.
- Staeger, C. (1839) [+31 December 1839] Systematisk fortegnelser over de i Danmark hidtil fundne Diptera [Systematic listing of Diptera hitherto found in Denmark]. *Naturhistorisk Tidsskrift* (1) **2**: 549-600.
- Staeger, C. (1845) [+31 December 1845] Grønlands antliater. *Naturhistorisk Tidsskrift* (2) **1**: 346-369.
- Steffan, A. W. (1965) [7 December 1965] *Plecopteracoluthus downesi* gen. et sp. nov. (Diptera: Chironomidae), a species whose larvae live phoretically on larvae of Plecoptera. *Canadian Entomologist* **97**(12): 1323-1344.
- Steiner, J. W. (1983) [10 December 1983] *Paracricotopus mozleyi* n. sp. from Georgia, U.S.A. (Diptera: Chironomidae). Pp 329-335. In Roback, S. S. (ed.) *Proceedings of the 8th International Symposium on Chironomidae, Jacksonville, July 25-28, 1982. Memoirs of the American Entomological Society* **34**.

- Stone, A. and Wirth, W. W. (1947) [12 November 1947] On the marine midges of the genus *Clunio* Haliday (Diptera, Tendipedidae). *Proceedings of the Entomological Society of Washington* **49**(8): 201-224.
- Storå, R. (1936) [+29 February 1936] Fam. Chironomidae. Pp 21-30. In Frey, R. (ed.) *Die Dipterenfauna der Kanarischen Inseln und ihre Probleme. Commentationes Biologicae* **6**(1).
- Storå, R. (1939) [1 June 1939] Mitteilungen über die Nematoceren Finnlands II. *Notulae Entomologicae* **19**(1/2): 16-30.
- Storå, R. (1945) [+28 February 1945] Fam. Chironomidae. Pp 22-32. In Frey, R. (ed.) *Tiergeographische Studien über die Dipterenfauna der Azoren. Commentationes Biologicae* **8**(10).
- Strenzke, K. (1941) [15 September 1941] Terrestrische Chironomiden. X. *Georthocladius luteicornis* Goetgh. (Mit einem Beitrag von Dr. M. Goetghebuer, Gent.). *Zoologischer Anzeiger* **135**(9/10): 177-185.
- Strenzke, K. (1950) [*28 July 1950] Systematik, Morphologie und Ökologie der terrestrischen Chironomiden. *Archiv für Hydrobiologie Supplement* **18**(2): 207-414.
- Strenzke, K. (1950) [*1 December 1950] Die Pflanzengewässer von *Scirpus silvaticus* und ihre Tierwelt. *Archiv für Hydrobiologie* **44**(1): 123-170.
- Strenzke, K. (1951) [*13 October 1951] Chironomiden von der bulgarischen Küste des Schwarzen Meeres. *Archiv für Hydrobiologie Supplement* **18**(4): 678-691.
- Strenzke, K. (1960) [1 August 1960] Terrestrische Chironomiden. XIX-XXIII (Diptera: Chironomidae). *Deutsche Entomologische Zeitschrift* (Neue Folge) **7**(4/5): 414-441.
- Strenzke, K. and Remmert, H. (1957) [+31 December 1957] Terrestrische Chironomiden. XVII. *Thalassosmittia thalassophila* (BEQU. u. GOETGH.). *Kieler Meeresforschungen* **13**(2): 263-273.
- Strenzke, K. and Thienemann, A. (1942) [+31 December 1942] Zwei neue *Pseudosmittia*-arten (Diptera: Chironomidae) aus dem Gebiete der Lunzer Seen. (Chironomiden aus dem Lunzer Seengebiet. III). *Internationale Revue der gesamten Hydrobiologie und Hydrographie* **42**(4/6): 356-387.
- Strobl, G. (1880) [15 July 1880] *Dipterologische Funde um Seitenstetten. Ein Beitrag zur Fauna Nieder-Österreichs*. XIV. Programm der K.K. Ober-Gymnasiums der Benedictiner zu Seitenstetten, Linz. 65pp.
[Publication date is from Evenhuis (1997: 750).]
- Strobl, G. (1895) [*17 December 1895] Die Dipteren von Steiermark. *Mitteilungen des Naturwissenschaftlichen Vereins für Steiermark* **31**(1894): 121-246.
[This paper is often incorrectly cited as 1894 because it is the "Jahrgang 1894" volume published in 1895.]
- Strobl, G. (1898) [+31 December 1898] [Fauna diptera Bosne, Hercegovine i Dalmacije]. *Glasnik Zemaljskog Muzeja Bosni u Hercegovini* **10**: 561-616.
- Strobl, G. (1900) [*25 September 1900] Dipterenfauna von Bosnien, Hercegovina und Dalmatien. *Wissenschaftliche Mitteilungen aus Bosnien und Herzegovina* **7**: 552-670.

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- Stur, E. and Andersen, T. (2000) [+31 December 2000] A new species of *Physoneura* Ferrington et Sæther, 1995, from Ecuador (Chironomidae, Orthocladiinae). *Norwegian Journal of Entomology* **47**(2): 131-136.
- Stur, E. and Sæther, O. A. (2004) [3 December 2004] A new hairy-winged *Pseudorthocladius* (Diptera: Chironomidae) from Luxemburg. *Aquatic Insects* **26**(2): 79-83.
- Stur, E. and Spies, M. (2011) [10 February 2011] Description of *Chaetocladius longivirgatus* sp. n., with a review of *C. suecicus* (Kieffer) (Diptera: Chironomidae). *Zootaxa* **2762**: 37-48.
- Stur, E. and Wiedenbrug, S. (2005) [12 October 2005] Two new orthoclad species (Diptera: Chironomidae) from cold water springs of the Nationalpark Berchtesgarden, Germany. *Aquatic Insects* **27**(2): 125-131.
- Sublette, J. E. (1964) [24 March 1964] Chironomidae (Diptera) of Louisiana. I. Systematics and immature stages of some lentic chironomids of west-central Louisiana. *Tulane Studies in Zoology* **11**: 109-150.
- Sublette, J. E. (1966) [21 February 1966] Type specimens of Chironomidae (Diptera) in the American Museum of Natural History. *Journal of the Kansas Entomological Society* **39**(1): 1-32.
- Sublette, J. E. (1966) [2 December 1966] Type specimens of Chironomidae (Diptera) in the U.S. National Museum. *Journal of the Kansas Entomological Society* **39**(4): 580-607.
- Sublette, J. E. (1967) [2 August 1967] Type specimens of Chironomidae (Diptera) in the Canadian National Collections, Ottawa. *Journal of the Kansas Entomological Society* **40**(3): 290-331.
- Sublette, J. E. (1967) [21 November 1967] Type specimens of Chironomidae (Diptera) in the Cornell University Collection. *Journal of the Kansas Entomological Society* **40**(4): 477-564.
- Sublette, J. E. (1970) [30 January 1970] Type specimens of Chironomidae (Dipt.) in the Illinois Natural History Survey Collection, Urbana. *Journal of the Kansas Entomological Society* **43**(1): 44-95.
- Sublette, J. E. and Sasa, M. (1994) [1 March 1994] Chironomidae collected in onchocerciasis endemic areas of Guatemala (Insecta, Diptera). Pp 1-60. In Baehr, M. (ed.) *Contributions to the systematics of the Chironomidae (Insecta, Diptera)*. *Spixiana Supplement* **20**.
- Sublette, J. E. and Sublette, M. S. (1965) [23 August 1965] Family Chironomidae (Tendipedidae). Pp 142-181. In Stone, A., Sabrosky, C. W., Wirth, W. W., Foote, R. H. and Coulson, J. C. (eds) *A catalog of the Diptera of America north of Mexico*. *United States Department of Agriculture Handbook* **276**.
[Date of publication is from Evenhuis (2008: 397).]
- Sublette, J. E. and Sublette, M. S. (1971) [8 June 1971] The Orthocladiinae (Chironomidae: Diptera) of California I. The *Cricotopus infuscatus* group. *Entomological News* **82**(4): 85-102.
- Sublette, J. E. and Sublette, M. S. (1973) [26 June 1973] Family Chironomidae. Pp 389-422. In Delfinado, M. and Hardy, E. D. (eds) *Catalogue of the Diptera of the Oriental Region* **1**.

- [Date of publication is from Evenhuis (2008: 401).]
- Sublette, J. E. and Wirth, W. W. (1972) [1 March 1972] New genera and species of West Indian Chironomidae (Diptera). *Florida Entomologist* **55**(1): 1-17.
- Sublette, J. E. and Wirth, W. W. (1980) [2 September 1980] The Chironomidae and Ceratopogonidae (Diptera) of New Zealand's subantarctic islands. *New Zealand Journal of Zoology* **7**: 299-378.
- Sublette, J. E., Stevens, L. E. and Shannon, J. P. (1998) [30 April 1998] Chironomidae (Diptera) of the Colorado River, Grand Canyon, Arizona, USA, I: Systematics and ecology. *Great Basin Naturalist* **58**(2): 97-146.
- Šulc, K. and Zavřel, J. (1924) [+31 December 1924] O epoikických a parazitických larvách Chironomidů. Über epoikische und parasitische Chironomidenlarven. *Acta Societatis Scientiarum Naturalium Moravo-Silesiaca* **1**: 353-391.
- Svensson, B. S. (1986) [30 December 1986] *Eukiefferiella ancyla* sp. n. (Diptera: Chironomidae) a commensalistic midge on *Ancyclus fluviatilis* Müller (Gastropoda: Ancyliidae). *Entomologica Scandinavica* **17**(3): 291-298.
- Sycheva, A.V. (1955) [+31 December 1955] Novye formy lichinok tendipedid iz ozera Sovetskogo [New forms of tendipedid larvae from Lake Sovetskoe]. *Zametki po faune i flore Sibiri* **18**: 39-42. Izdatel'stvo Tomskogo gosudarstvennogo universiteta, Tomskii otdel Moskovskogo obshchestva ispytatelei prirody.
- Szadziewski, R. and Hirvenoja, M. (1981) [18 December 1981] *Cricotopus zavreli* sp. n. (Diptera, Chironomidae), a halobiontic non-biting midge from Poland. *Annales Entomologici Fennici* **47**(4): 111-118.
- Tanaka, H. and Sasa, M. (2001) [15 October 2001] Studies on the chironomid species collected with light trap in Sunaba, Kurobe, during the winter season from December to April, 2000. *Tropical Medicine* **43**(1/2): 39-48.
[Issue date of the 15 October 2001 given on the Nagasaki University's Academic Output Website <http://naosite.lb.nagasaki-u.ac.jp/dspace/>]
- Tang, H. and Wang, X. (2006) [20 April 2006] A new species of *Antillocladius* from China (Diptera: Chironomidae). *Acta Scientiarum Naturalium Universitatis Nankaiensis (Natural Science Edition)* **39**(2): 67-70.
- Tatole, V. (1993) [+31 December 1993] Validation of the subgenus *Odontocladius* Albu, 1974, as a part of the genus *Bryophaenocladius* Thienemann, 1934. *Revue Roumaine de Biologie, Série de Biologie Animale* **38**(2): 111-114.
- Tatole, V. (2003) [+31 December 2003] Diptera. Familia Chironomidae – Subfamilia Orthoclaudiinae. *Fauna României, Insecta IX* (Fasc. 15). Editura Academiei Române, Bucharest. 171 pp.
- Tejerina, E. G. and Paggi, A. C. (2009) [3 June 2009] A new Neotropical species of *Oliveiriella* Wiedenbrug & Fittkau (Diptera: Chironomidae) from Argentina, with description of all its life stages. *Aquatic Insects* **31**(2): 91-98.
- Thienemann, A. (1911) [+31 December 1911] Hydrobiologische und fischereiliche Untersuchungen an den westfälischen Talsperren. *Landwirtschaftliche Jahrbücher* **41**: 535-716, plates XVIII-XX.
- Thienemann, A. (1912) [+31 December 1912] Beiträge zur Kenntnis der westfälischen

- Süßwasserfauna. IV. Die Tierwelt der Bäche des Sauerlandes. *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst* **40**: 43-83.
- Thienemann, A. (1916) [+31 December 1916] Die Chironomidenfauna der Eifelmaare. Mit Beschreibung neuer Arten von Prof. Dr. Kieffer. *Verhandlungen des Naturhistorischen Vereins der Preussischen Rheinlande, Westfalens und des Regierungsbezirks Osnabrück* **72**: 1-58.
- Thienemann, A. (1919) [1 June 1919] Chironomiden aus Thüringen. *Deutsche Entomologische Zeitschrift* **1919**(1/2): 133-138.
- Thienemann, A. (1919) [+31 December 1919] Die Chironomidenfauna Westfalens. (Beiträge zur Kenntnis der westfälischen Süßwasserfauna. VII). *Jahresbericht des Westfälischen Provincial-Vereins für Wissenschaft und Kunst (Zoologische Sektion)* **47**: 19-63.
- Thienemann, A. (1921) [26 November 1921] Die Metamorphose der Chironomidengattungen *Camptocladus*, *Dyscamptocladus* und *Phaenocladus* mit Bemerkungen über die Artdifferenzierung bei den Chironomiden überhaupt. *Archiv für Hydrobiologie Supplement* **2**(4): 809-850.
- Thienemann, A. (1926) [10 April 1926] Hydrobiologische Untersuchungen an Quellen. VII. Insekten aus norddeutschen Quellen mit besonderer Berücksichtigung der Dipteren. *Deutsche Entomologische Zeitschrift* **1926**(1): 1-50.
- Thienemann, A. (1926) [*22 October 1926] Hydrobiologische Untersuchungen an den kalten Quellen und Bächen der Halbinsel Jasmund auf Rügen. *Archiv für Hydrobiologie* **17**(2): 221-336.
- Thienemann, A. (1926) [+31 December 1926] Dipteren aus den Salzwässern von Oldesloe. (Mit einer Bestimmungstabelle der Larven und Puppen der Gattung *Dasyhelea*). *Mitteilungen der Geographischen Gesellschaft und des Naturhistorischen Museums in Lübeck* (2 Reihe) **31**: 102-126.
- Thienemann, A. (1933) [31 August 1933] Chironomiden-Metamorphosen. III. Zur Metamorphose der Orthocladariae. (Mit einem Beitrag von O. Harnisch). *Deutsche Entomologische Zeitschrift* **1933**(1): 1-38.
- Thienemann, A. (1934) [*27 September 1934] Chironomiden-Metamorphosen. VIII. *Phaenocladus*. *Encyclopédie Entomologique, B-II, Diptera* **7**: 29-46.
- Thienemann, A. (1935) [20 November 1935] Chironomiden-Metamorphosen. X. "*Orthocladus-Dactylocladus*" (Dipt.). *Stettiner Entomologische Zeitung* **96**(2): 201-224.
- Thienemann, A. (1936) [25 May 1936] Chironomiden-Metamorphosen. XI. Die Gattung *Eukiefferiella*. *Stettiner Entomologische Zeitung* **97**(1): 43-65.
- Thienemann, A. (1936) [18 September 1936] Alpine Chironomiden. (Ergebnisse von Untersuchungen in der Gegend von Garmisch-Partenkirchen, Oberbayern.). *Archiv für Hydrobiologie* **30**(2): 167-262.
- Thienemann, A. (1937) [+30 September 1937] Chironomiden-Metamorphosen (Diptera). XV. *Mitteilungen Entomologischen Gesellschaft zu Halle* **15**: 22-36.
- Thienemann (1938) [+30 April 1938] Chironomiden-Metamorphosen. XVI. *Encyclopédie Entomologique, B-II, Diptera* **9**: 87-96.

[According to Evenhuis (1989: 210) the 15th February 1938 is given for some articles in this volume but the last page says the volume was printed "4-1938", i.e. April 1938. Therefore the +30 April 1938, is considered to be the earliest provable date of publication.]

- Thienemann, A. (1941) [7 March 1941] Lappländische Chironomiden und ihre Wohngewässer. (Ergebnisse von Untersuchungen im Abiskogebiet in Schwedisch-Lappland). *Archiv für Hydrobiologie Supplement* **17**(1/2): 1-253.
- Thienemann, A. (1942) [+ 31 December 1942] *Trichocladius*-Arten aus den Lunzer Seen. (Chironomiden aus dem Lunzer Seengebiet. V). *Archiv für Hydrobiologie* **39**(2): 294-315.
- Thienemann, A. (1944) [7 August 1944] Bestimmungstabellen für die bis jetzt bekannten Larven und Puppen der Orthocladiinen (Diptera, Chironomidae). *Archiv für Hydrobiologie* **39**: 551-664, pls IV-XXX.
- Thienemann, A. (1950) [*22 April 1950] Lunzer Chironomiden. Ergebnisse von Untersuchungen der stehenden Gewässer des Lunzer Seengebietes (Niederösterreich). *Archiv für Hydrobiologie Supplement* **18**(1): 1-202.
- Thienemann, A. and Harnisch, O. (1932) [1 July 1932] Chironomiden-Metamorphosen. IV. Die Gattung *Cricotopus* v. d. W. *Zoologischer Anzeiger* **99**(5/6): 135-143.
- Thienemann, A. and Kieffer, J. J. (1916) [27 December 1916] Schwedische Chironomiden. *Archiv für Hydrobiologie Supplement* **2**(3): 483-554.
- Thienemann, A. and Krüger, F. (1937) [15 March 1937] "*Orthocladius*" *abiskoensis* Edwards und *rubicundus* (Mg.), zwei "Puppen-Species" der Chironomiden. (Chironomiden aus Lappland. II.). *Zoologischer Anzeiger* **117**(11/12): 257-267.
- Thienemann, A. and Krüger, F. (1939) [15 September 1939] Terrestrische Chironomiden II. *Zoologischer Anzeiger* **127**(9/10): 246-258.
- Thienemann, A. and Strenzke, K. (1940) [15 October 1940] Terrestrische Chironomiden III—IV: Zwei parthenogenetische Formen. *Zoologischer Anzeiger* **132**(1/2): 24-40.
- Thienemann, A. and Strenzke, K. (1940) [15 December 1940] Terrestrische Chironomiden. VI. *Pseudosmittia holsata*, eine neue Art mit fakultativer Parthenogenese. *Zoologischer Anzeiger* **132**(9/10): 238-244.
- Thienemann, A. and Strenzke, K. (1941) [1 April 1941] Terrestrische Chironomiden IX. *Euphaenocladius* Th. *Zoologischer Anzeiger* **133**(11/12): 244-253.
- Timon-David, J. (1937) [*6 December 1937] Recherches sur le peuplement des hautes montagnes. Diptères de la vallée de Chamonix et du massif du Mont Blanc. *Annales de la Faculté des Sciences de Marseille (2^e Série)* **10**: 5- 54.
- Tokunaga, M. (1933) [7 June 1933] Chironomidæ from Japan (Diptera) I. Clunioninæ. *Philippine Journal of Science* **51**(1): 87-98.
- Tokunaga, M. (1935) [15 September 1935] Chironomidae from Japan (Diptera). V. Supplementary report on the Clunioninae. *Mushi* **8**(1) 1-20.
- Tokunaga, M. (1936) [+31 May 1936] Japanese *Cricotopus* and *Corynoneura* species (Chironomidae, Diptera). *Tenthredo* **1**(1): 9-52.
- Tokunaga, M. (1936) [6 October 1936] Chironomidæ from Japan (Diptera), VIII. Marine or seashore *Spaniotoma*, with descriptions of the immature forms of *Spaniotoma*

- nemalione* sp. nov. and *Tanytarsus boodleæ* Tokunaga. *Philippine Journal of Science* **60**(3): 303-321.
- Tokunaga, M. (1938) [10 June 1938] The fauna of Akkeshi Bay VI. A new species of *Clunio* (Diptera). *Annotationes Zoologicae Japonenses* **17**(2): 125-129.
- Tokunaga, M. (1938) [30 June 1938] Chironomidae from Japan (Diptera), X. New of little-known midges, with descriptions of the metamorphoses of several species. *Philippine Journal of Science* **65**(4): 313-383.
- Tokunaga, M. (1939) [22 July 1939] Chironomidae from Japan (Diptera), XI. New or little-known midges, with special reference to the metamorphosis of torrential species. *Philippine Journal of Science* **69**(3): 297-345.
- Tokunaga, M. (1940) [19 September 1940] Chironomoidea from Japan (Diptera), XII. New or little-known Ceratopogonidae and Chironomidae. *Philippine Journal of Science* **72**(3): 255-311.
- Tokunaga, M. (1964) [8 July 1964] Diptera: Chironomidae. *Insects of Micronesia* **12**(5): 485-628.
- Tokunaga, M. (1964) [31 December 1964] Supplementary notes on Japanese Orthoclaadiinae midges. *Akitu* **12**: 17-20.
- Tokunaga, M. (1966) [*30 September 1966] Some nematoceros Diptera of the north-east of Afganistan. *Results of the Kyoto University Scientific Expedition to the Karakorum and Hindukush, 1955 (Additional Reports)* **7**: 273-286.
- Tömösváry, E. (1883) [+31 December 1883] *Thalassomyia congregata* species dipterorum nova e familia Chironomidarum. *Természetrájsi Füzetek kiadja a Magyar Nemzeti Múzeum* **7**: 19-20.
- Tonnoir A. L. (1922) [20 December 1922] Sur le cycle évolutif d'un chironomide nouveau *Dactylocladius commensalis* Tonn. *Bulletin de la Société Entomologique de Belgique* **4**(11/12): 132-133.
- Tonnoir, A. (1923) [*4 April 1923] Le cycle évolutif de *Dactylocladius commensalis* sp. nov. Chironomide à larve commensale d'une larve de Blépharocéride (Diptera). *Annales de Biologie Lacustre* **11**(3/4): 279-291.
- Townes, H. K. (1945) [23 August 1945] The Nearctic species of Tendipedini [Diptera, Tendipedidae (= Chironomidae)]. *American Midland Naturalist* **34**(1): 1-206.
- Trivinho-Strixino, S. (2011) [+31 January 2011] *Larvas de Chironomidae Guia de Identificação*. Universidade Federal de São Carlos, Departamento de Hidrobiologia, Laboratório de Entomologia Aquática. São Carlos. 371 pp. http://www.4shared.com/document/YVDL7aKh/Orthoclaadiinae_tomo5_.html [Last accessed 1 December 2011]
[According to Dr Susana Trivinho-Strixino (pers. comm. to P. Ashe) this work appeared online in January 2011 and the publication date is therefore the +31 January 2011.]
- Tuiskunen, J. (1983) [20 December 1983] A description of *Corynoneura gynocera* sp. n. (Diptera, Chironomidae) from Finland. *Annales Entomologici Fennici* **49**(4): 100-102.
- Tuiskunen, J. (1984) [20 December 1984] *Lindebergia bothnica*, gen. n., sp. n. (Diptera,

- Chironomidae) from Finland. *Annales Entomologici Fennici* **50**(4): 121-122.
- Tuiskunen, J. (1985) [10 May 1985] *Tavastia australis*, a new genus and species (Diptera, Chironomidae, Orthoclaadiinae) from Finland. *Annales Entomologici Fennici* **51**(1): 30-32.
- Tuiskunen, J. (1985) [12 December 1985] A description of *Prosmittia rectangularis* sp. n. (Diptera, Chironomidae, Orthoclaadiinae) from northern Finland. *Annales Entomologici Fennici* **51**(2): 55-56.
- Tuiskunen, J. A. (1986) [28 January 1986] A description of *Psilometriocnemus europaeus* sp. n. and *Doncricotopus dentatus* sp. n. (Diptera, Chironomidae, Orthoclaadiinae) from Finland. *Annales Entomologici Fennici* **51**(4): 101-104.
[The paper is in the fourth issue of volume 51 for 1985 but was not published until the 28 January 1986.]
- Tuiskunen, J. (1986) [22 April 1986] The Fennoscandian species of *Parakiefferiella* Thienemann (Diptera, Chironomidae, Orthoclaadiinae). *Annales Zoologici Fennici* **23**(2): 175-196.
- Tuiskunen, J. and Lindeberg, B. (1986) [19 December 1986] Chironomidae (Diptera) from Fennoscandia north of 68° N, with a description of ten new species and two new genera. *Annales Zoologici Fennici* **23**(4): 361-393.
- Tuxen, S. L. (1944) [11 June 1944] The hot springs of Iceland, their animal communities and their zoogeographical significance. *Zoology of Iceland* **1**(11): 1-216. Copenhagen.
- Verrall, G. H. (1912) [*3 January 1912] Another hundred new British species of Diptera. *Entomologist's Monthly Magazine* **48**: 20-24.
[The full pagination of Verrall is 20-27 but the paper was split between two consecutive issues of the journal with pp. 20-24, which includes one new chironomid species, appearing in the January issue dated as *3 January 1912. The remaining pages, pp. 25-27, appeared in the February issue dated as *5 February 1912.]
- Vílchez-Quero, A. and Laville, H. (1988) [*14 March 1988] *Eukiefferiella bedmari* n. sp., nouvelle espèce à répartition méditerranéenne (Diptera, Chironomidae). *Annales de Limnologie* **23**(3): 209-215.
[Although the paper was published in the 3rd part for 1987 it was evidently printed in the "1^e trimestre 1988" as indicated at the bottom of the unnumbered page inside the rear issue cover]
- von Frese, R. R. B., Potts, L. V., Wells, S. B., Leftwich, T. E., Kim, H. R., Kim, J. W., Golynsky, A. K., Hernandez, O. and Gaya-Piqué, L. R. (2009) [25 February 2009] GRACE gravity evidence for an impact basin in Wilkes Land, Antarctica. *Geochemistry Geophysics Geosystems* **10**(2): 14 pp.
- Wais, I. R. (1987) [*24 June 1987] Macrozoobenthos of Negro River basin, Argentine Patagonia. *Studies on Neotropical Fauna and Environment* **22**(2): 73-91.
- Walker, F. (1837) [+31 December 1837] Descriptions, &c. of the Diptera. In: Curtis, J., Haliday, A. H. and Walker, F. (eds.): *Descriptions, &c. of the insects collected by Captain P. P. King, R.N, F.R.S., in the survey of the Straits of Magellan. Transactions of the Linnean Society of London* **17**: 331-359.
- Walker, F. (1848) [9 December 1848] *List of the specimens of dipterous insects in the*

- collection of the British Museum*. Part 1. British Museum, London. 229 pp.
[Publication date is from Evenhuis (1997: 800)]
- Walker, F. (1856) [+30 April 1856] *Insecta Britannica, Diptera*. Volume 3. Lovell & Reeve, London. xxiv + 352 pp., pls 21-30.
[As indicated in Evenhuis (1997: 800), this publication appeared in April of 1856, but the exact day has been impossible to establish.]
- Walley, G. S. (1928) [30 January 1928] A new species of *Cricotopus* with key to the genus (Dipt., Chironomidae). *Canadian Entomologist* **60**(1): 21-22.
- Waltl, J. (1837) [+30 April 1837] Neue Gattungen von Mücken bey Passau. *Isis* (Oken's) **1837**(4): 279-283.
[The paper appeared in the 4th issue (of 12) for 1837 which was presumably published in April 1837 and therefore the publication date unless proven otherwise is the +30 April 1837.]
- Wang, J. and Wang, X. (1996) [+31 May 1996] Two new species of Chironomidae from Liaoning Province, China (Diptera: Chironomidae). *Zoological Research* **17**(2): 121-124 [In Chinese, English abstract].
- Wang, S. D. (1990) [*1 November 1990] *Pseudosmittia aizaiensis*, a new species of Orthoclaadiinae (Diptera: Chironomidae) from Hunan Province of China. *Chinese Journal of Oceanology and Limnology* **8**(3): 273- 279.
- Wang, S. D. (1997) [+31 December 1997] On aquatic insects of Wuling Mountains Area, with descriptions of new species and new record of Chironomidae. Pp 523-548. In Song, D. (ed.) *Invertebrates of Wuling Mountains Area, Southwestern China*. Science Press, Beijing.
- Wang, X. (1994) [+31 March 1994] *Doithrix emeiensis* sp. nov. from China (Diptera:Chironomidae). *Acta Scientiarum Naturalium Universitatis Nankainensis* **1994**(1): 68-70.
- Wang, X. (1995) [30 January 1995] *Rheocricotopus* (R.) *orientalis*, a new species from China (Diptera: Chironomidae). *Aquatic Insects* **17**(1): 37-40.
- Wang, X. (1995) [+30 June 1995] Two new and unusual species from Oriental China (Diptera: Chironomidae.) *Acta Scientiarum Naturalium Universitatis Nankaiensis* **28**(2): 48-53.
- Wang, X. (1997) [+31 December 1997] A new species of *Limnophyes* Eaton from China (Diptera: Chironomidae). *Acta Scientiarum Naturalium Universitatis Nankaiensis* **30**(4): 5-7.
- Wang, X. (1998) [+28 February 1998] *Comptosmittia virga*, a new species from China (Diptera: Chironomidae). *Acta Entomologica Sinica* **41**(1): 95-97. [In Chinese, English summary].
- Wang, X. (1998) [30 September 1998] Description of a new species of *Stilocladius* from China (Diptera: Chironomidae). *Studia Dipterologica* **5**(1): 81-83.
- Wang, X. and Halvorsen, G. A. (2002) [15 June 2002] A new *Eukiefferiella* Thienemann, 1926 from Northeast China (Diptera, Chironomidae). *Aquatic Insects* **24**(2): 123-128.
- Wang, X. and Sæther, O. A. (1993) [+31 July 1993] A new species of the 'marine' genus *Thalassosmittia* Strenzke & Remmert from Xizang (Tibet), China (Diptera:

- Chironomidae). *Entomologica Scandinavica* **24**(2): 211-214.
- Wang, X. and Sæther, O. A. (1993) [+31 July 1993] *Limnophyes* Eaton from China, with the description of five new species (Diptera: Chironomidae). *Entomologica Scandinavica* **24**(2): 215-226.
- Wang, X. and Sæther, O. A. (1993) [+31 July 1993] First Palaearctic and Oriental records of the orthoclad genus *Antillocladius* Sæther (Diptera: Chironomidae). *Entomologica Scandinavica* **24**(2): 227-230.
- Wang, X. and Sæther, O. A. (1998) [****11 June 1998] *Qiniella*, a new orthoclad genus from China (Diptera: Chironomidae). *Hydrobiologia* **362**: 103-106.
- Wang, X. and Sæther, O. A. (2001) [1 February 2001] Two new species of the *orientalis* group of *Rheocricotopus* (*Psilocricotopus*) from China (Diptera: Chironomidae). *Hydrobiologia* **444**: 237-240.
- Wang, X. and Sæther, O. A. (2002) [15 January 2002] *Hanocladius*, a new orthoclad genus from China (Diptera: Chironomidae). *Hydrobiologia* **468**: 181-183.
- Wang, X. and Sæther, O. A. (2002) [25 November 2002] First Oriental record of the orthoclad genus *Paralimnophyes* Brundin with emendations to the diagnosis of the genus (Diptera: Chironomidae). *Aquatic Insects* **24**(4): 325-329.
- Wang, X. and Zheng, L. (1989) [+30 November 1989] Two new species of the genus *Rheocricotopus* from China (Diptera: Chironomidae). *Entomotaxonomia* **11**(4): 311-313. [In Chinese, English Summary]
- Wang, X. and Zheng, L. (1990) [+31 May 1990] Notes on genus *Paratrichocladius* from China (Diptera: Chironomidae). *Acta Entomologica Sinica* **33**(2): 243-246. [In Chinese, English Summary]
- Wang, X. and Zheng, L. (1990) [+30 November 1990] Two new species of *Mesosmittia* from China (Diptera: Chironomidae). *Acta Entomologica Sinica* **33**(4): 486-489. [In Chinese, English Summary]
- Wang, X. and Zheng, L. (1991) [+31 January 1991] Notes on the genus *Rheocricotopus* from China (Diptera: Chironomidae). *Acta Zootaxonomica Sinica* **16**(1): 99-105. [In Chinese, English Summary]
- Wang, X. and Zheng, L. (1993) [*14 June 1993] Checklist of Chironomidae records from China. Pp 247-255. In Bund, W. J. van de and Kraak, M. H. S. (eds) *Proceedings of the 11th International Symposium on Chironomidae, Amsterdam, 12-14 August 1991. Netherlands Journal of Aquatic Ecology* **26**(2/4).
- Wang, X. and Zheng, L. (1996) [+31 December 1996] Diptera: Chironomidae. Pp 163-166. In *Insects of the Karakorum-Kurun Mountains*. Science Press, Beijing. [In Chinese, English Abstract]
- Wang, X., Andersen, T. Sæther, O. A. (2006) [+30 April 2006] Neotropical *Bryophaenocladius* Thienemann, 1934 (Diptera: Chironomidae). *Studies on Neotropical Fauna and Environment* **41**(1): 19-32.
- Wang, X., Liu, Zh. and Epler, J. H. (2004) [23 July 2004] New species of *Bryophaenocladius* Thienemann from the Nearctic Region (Diptera: Chironomidae: Orthocladiinae). *Zootaxa* **581**: 1-10.
- Wang, X., Liu, Y. and Paasivirta, L. (2007) [18 April 2007] A New species of *Propsilocerus*

- Kieffer from Finland (Diptera: Chironomidae, Orthoclaadiinae). Pp. 309-313. In Andersen, T. (ed.) *Contributions to the systematics and ecology of aquatic Diptera: - a tribute to Ole A. Sæther*. The Caddis Press, Columbus, Ohio.
[According to Prof. Trond Andersen (pers. comm. to P. Ashe) the volume was published on the 18 April 2007.]
- Wang, X., Sæther, O. A. and Andersen, T. (2002) [31 January 2002] Afrotropical *Bryophaenocladus* Thienemann, 1934 (Diptera: Chironomidae). *Studia Dipterologica* **8**(2): 447-462.
- Wang, X., Yan, C. and Maa, C. (2004) [+30 September 2004] A new *Rheocricotopus* Thienemann & Harnischia (Diptera, Chironomidae) from Taiwan Province, China. *Entomologia Sinica* **11**(3): 239-242.
- Wang, X., Zheng, L. and Ji, B. (1994) [+31 August 1994] A taxonomic study on Orthoclaadiinae (Diptera: Chironomidae) of China II. Genus *Brillia* Kieffer. *Acta Entomologica Sinica* **37**(3): 359-363. [In Chinese, English Summary]
- Watson Jr, C. N. and Heyn, M. W. (1993) [*14 June 1993] A preliminary survey of the Chironomidae (Diptera) of Costa Rica, with emphasis on the lotic fauna. Pp 257-262. In Bund, W. J. van de and Kraak, M. H. S. (eds) *Proceedings of the 11th International Symposium on Chironomidae, Amsterdam, 12-14 August 1991. Netherlands Journal of Aquatic Ecology* **26**(2/4).
- Webb, D. W. (1969) [25 April 1969] New species of chironomids from Costello Lake, Ontario (Diptera: Chironomidae). *Journal of the Kansas Entomological Society* **42**(1): 91-198.
- Wen, T., Zhou, C. and Rong, Y. (1994) [+30 September 1994] Description of the new species *Tokunagayusurika taihuensis* (Diptera: Chironomidae). *Entomotaxonomia* **16**(3): 205-212. [In Chinese].
- Wiedenbrug, S. and Andersen, T. (2002) [+31 August 2002] New species of *Parakiefferiella* Thienemann, 1936 from South America (Chironomidae, Orthoclaadiinae). *Studies on Neotropical Fauna and Environment* **37**(2): 119-132.
- Wiedenbrug, S. and Fittkau, E. J. (1997) [1 July 1997] *Oliveiriella almeidai* (Oliveira, 1946), gen. nov., comb. nov, from South America with description of the pupae (Insecta, Diptera, Chironomidae, Orthoclaadiinae). *Spixiana* **20**(2): 167-172.
- Wiedenbrug, S. and Trivinho-Strixinho, S. (2009) [2 February 2009] *Ubatubaneura*, a new genus of the *Corynoneura* group (Diptera: Chironomidae: Orthoclaadiinae) from the Brazilian Atlantic Forest. *Zootaxa* **1993**: 41-52.
- Wiedenbrug, S. and Trivinho-Strixinho, S. (2011) [18 April 2011] New species of the genus *Corynoneura* Winnertz (Diptera, Chironomidae) from Brazil. *Zootaxa* **2822**: 1-40.
- Wiedenbrug, S., Mendes, H. F., Pepinelli, M. and Trivinho-Strixinho, S. (2009) [15 October 2009] Review of the genus *Onconeura* Andersen et Sæther (Diptera: Chironomidae), with the description of four new species from Brazil. *Zootaxa* **2265**: 1-26.
- Wignall, P. (2005) [+31 December 2005] The link between large igneous province eruptions and mass extinctions. *Elements* **1**: 293-297.

- Willassen, E. (1996) [+31 December 1996] A nival *Bryophaenocladus* Thienemann, 1934, with reduced wings (Insecta: Diptera: Chironomidae). *Annalen des Naturhistorischen Museums in Wien* **98B**: 507-512.
- Willassen, E. and Cranston, P. S. (1986) [9 June 1986] Afrotropical montane midges (Diptera, Chironomidae, *Diamesa*). *Zoological Journal of the Linnean Society* **87**(2): 91-123.
- Williston, S. W. (1896) [30 September 1896] On the Diptera of St. Vincent (West Indies). *Transactions of the Entomological Society of London* **1896**: 253-446.
[The journal did not include the word "Royal" in the title until Volume 81 in 1933 when it became the *Transactions of the Royal Entomological Society of London*.]
- Winnertz, J. (1846) [+31 January 1846] Beschreibung einiger neuer Gattungen aus der Ordnung der Zweiflügler. *Stettiner Entomologische Zeitung* **7**(1): 11-20.
- Winnertz, J. (1852) [+29 February 1852] Dipterologisches. *Stettiner Entomologische Zeitung* **13**(2): 49-58.
- Winterbourn, M. J. (2004) [+31 December 2004] Association between a commensal chironomid and its mayfly host in rivers of North Westland. *New Zealand Natural Sciences* **29**: 21-31.
- Wirth, W. W. (1949) [27 July 1949] A revision of the clunionine midges with descriptions of a new genus and four new species (Diptera: Tendipedidae). *University of California Publications in Entomology* **8**(4): 151-182.
- Wirth, W. W. (1952) [19 December 1952] Los insectos de las Islas Juan Fernandez. 7. Heleidae and Tendipedidae (Diptera). *Revista Chilena de Entomología* **2**: 87-104.
- Wirth, W. W. (1957) [26 September 1957] The species of *Cricotopus* midges living in the blue-green alga *Nostoc* in California (Diptera: Tendipedidae). *Pan-Pacific Entomologist* **33**(3): 121-126.
- Wolff, R.H., Brasher, A.M. and Richards, A.B. (2002) [25 March 2002] New generic records of Hawaiian Chironomidae (Diptera). *Bishop Museum Occasional Papers* **69**: 31-33.
- Wülker, W. (1956) [+31 August 1956] Zur Kenntnis der Gattung *Psectrocladius* Kieff. (Dipt., Chironom.). *Archiv für Hydrobiologie Supplement* **24**(1): 1-66.
- Wülker, W. (1957) [*10 October 1957] Über die Chironomiden der *Parakiefferiella*-Gruppe (Diptera: Tendipedidae, Orthoclaadiinae). *Beiträge zur Entomologie* **7**(3/4): 411-429.
- Wülker, W. (1959) [+31 August 1959] Drei neue Chironomiden-Arten (Dipt.) und ihre Bedeutung für das Konvergenzproblem bei Imagines und Puppen. *Archiv für Hydrobiologie Supplement* **25**(1): 44-64.
- Wulp, F. M. van der (1859) [30 July 1859] Beschrijving van eenige nieuwe of twijfelachtige soorten van Diptera uit de familie der Nemocera. *Tijdschrift voor Entomologie* **2**: 159-185.
[Dated the 30 July 1859 from the Nederlandse Entomologische Vereening (Verslag).]
- Wulp, F. M. van der (1859) [+31 October 1859] Nieuwe naamlijst van inlandsche Diptera. Pp 32-33. In Herklots, J. A. (ed.) *Bouwstoffen voor eene fauna van Nederland* **3**.
- Wulp, F. M. van der (1859) [+31 October 1859] Diagnosen der opgegeven nieuwe soorten. Pp 32-33. In Herklots, J. A. (ed.) *Bouwstoffen voor eene fauna van Nederland* **3**.

- Wulp, F. M. van der (1861) [24 August 1861] Over nieuwe soorten van Diptera. *Tijdschrift voor Entomologie* **4**: 16-20.
[Dated the 24 August 1861 from the Nederlandse Entomologische Vereening (Verslag).]
- Wulp, F. M. van der (1874) [≤28 August 1874] [. . . over het geslacht *Chironomus* Meig. . . .]. *Tijdschrift voor Entomologie* **16**: LXIX-LXXI.
[According to Barendrecht & Kruseman (1957, *Tijdschrift voor Entomologie* **100**: 3) this paper was published prior to the 29th August 1874 and therefore the earliest provable date of publication at present is on or before the 28th August 1874. For the purposes of nomenclature the 28th August 1874 is currently the earliest provable date of publication. According to Spies & Evenhuis (2007) the above paper was published simultaneously with Wulp (1874, Volume **17**(4): 109-112) but not simultaneously with Wulp (1875, Volume **17**(5): 113-148 – which includes the new chironomid taxa) detailed below. Consequently, all names for chironomid taxa proposed first in the above paper discussed here (Wulp 1874), then published again in Wulp (1875), are available from the former, not from the latter.]
- Wulp, F. M. van der (1874) [≤28 August 1874] Dipterologische aantekeningen No. 4. *Tijdschrift voor Entomologie* **17**(4): 109-112. [Part]
[This paper was published in two parts, the first part (pages 109-112, without any chironomid names) was published on or before the 28th August 1874 (Barendrecht & Kruseman, 1957); for the second part see below.]
- Wulp, F. M. van der (1875) [≤30 July 1875] Dipterologische aantekeningen No. 4. *Tijdschrift voor Entomologie* **17**(5): 113-148. [Part]
[This second part of the paper (pages 113-148, including chironomid names) was published on or before the 30th July 1875 (Barendrecht & Kruseman, 1957).]
- Yamamoto, M. (1980) [31 October 1980] Discovery of the Nearctic genus *Chasmatonotus* Loew (Diptera, Chironomidae) from Japan, with descriptions of three new species. *Esakia* **15**: 79-96.
- Yamamoto, M. (1985) [30 November 1985] Two new species of the genus *Chasmatonotus* from Japan (Diptera, Chironomidae). *Esakia* **23**: 93-98.
- Yamamoto, M. (1999) [15 September 1999] *Trichosmittia hikosana* n. gen. et n. sp. (Diptera: Chironomidae, Orthocladiinae) from Japan. Pp 263-271. In Berg, M. B., Ferrington Jr, L. C. Jr and Hayford, B. L. (eds.): *A festschrift honoring Mary and Jim Sublette. Part 1: Taxonomy and systematics of Chironomidae. Journal of the Kansas Entomological Society* **71**(3).
- Yamamoto, M. (2004) [20 April 2004] A catalog of Japanese Orthocladiinae (Diptera: Chironomidae). *Makunagi* **21**: 1-121.
- Yamamoto, M. (2011) [15 March 2011] A new species of *Parorthocladius* Thienemann (Diptera: Chironomidae) from Toyama Prefecture, Honshu, Japan, with distributional data of some chironomid species. *Bulletin of the Toyama Science Museum* **34**: 31-36.
- Yan, C. and Wang, X. (2004) [+31 July 2004] A new species of the *orientalis* group of *Rheocricotopus* from China (Diptera, Chironomidae). *Acta Zootaxonomica Sinica* **29**(3): 560-562.

- Yan, C. and Wang, X. (2005) [+31 December 2005] First Oriental record of the genus *Paracladius* Hirvenoja (Diptera: Chironomidae). *Acta Zoologica Sinica, Supplement* **51**: 127-130.
- Yan, J.-S. and Ye, C.-J. (1977) [+31 May 1977] Notes on the larvae of some chironomid midge (Diptera: Tendipedidae) and two new species from Bai-Yang-Dian Lake in Hopei Province. *Acta Entomologica Sinica* **20**(2): 183-198.
- Yeates, D. K., Wiegmann, B. M., Courtney, G. W., Meier, R., Lambkin, C. and Pape, T. (2007) [21 December 2007] Phylogeny and systematics of Diptera: Two decades of progress and prospects. *Zootaxa* **1668**: 565-590.
- Zavřel, J. (1926) [+31 December 1926] Metamorfosa několika nových Chironomidů. (S diagnosami imag od J. J. Kieffera). Metamorphose einiger neuen Chironomiden (mit Imagendiagnosen von J. J. Kieffer). *Acta Societatis Scientiarum Naturalium Moravo-Silesiaca* **3**: 251-282.
- Zavřel, J. (1937) [*28 June 1937] Eine neue *Trissocladius*art. *Spisy Vydávané Přírodovědeckou Fakultou Masarykovy University* **239**: 1-12.
- Zavřel, J. (1941) [+31 December 1941] Chironomidarum larvae et nymphae IV. (Genus *Metriocnemus* v. d. Wulp). *Acta Societatis Scientiarum Naturalium Moravo-Silesiaca* **13**(7): 1-28.
- Zavřel, J. and Pagast, F. (1935) [15 November 1935] Zwei neue Orthocladiinen-Arten aus Hoher Tatra. *Časopis České Společnosti Entomologické* **32**(4): 156-160.
- Zelentsov, N. I. (1980) [23 September 1980] K sistematike roda *Psectrocladius* Kieff. - podrod *Psectrocladius* s.str. Wülk. (Diptera, Chironomidae) (On the systematics of the genus *Psectrocladius* Kieff., subgenus *Psectrocladius* s. str. Wülk. (Diptera, Chironomidae)). *Trudy Instituta Biologii Vnutrennikh Vod* **41**(44): 192-231.
[The volume containing the above article was received by the Zoological Institute in Leningrad (now St Petersburg), on the 23 September 1980, according to the card index of the library (Dr Andrey Przhiboro pers. comm. to P. Ashe), which is currently regarded as the earliest provable date of publication.]
- Zelentsov, N. I. (1989) [+31 December 1989] Novyi vid ortokladiin roda *Cricotopus* v. d. Wulp i metamorfoz *Acricotopus longipalpus* Reiss (Diptera, Chironomidae) iz raiona Pamira [A new orthoclad species of the genus *Cricotopus* v. d. Wulp and metamorphosis of *Acricotopus longipalpus* Reiss (Diptera, Chironomidae) from the Pamir area]. *Biologiya, sistematika i funktsional'naya morfologiya presnovodnykh zivotnykh. Trudy Instituta Biologii Vnutrennikh Vod* **56**(59): 215-249.
- Zelentsov, N. I. (1991) [+30 September 1991] Novyi vid roda *Orthocladus* (Diptera, Chironomidae) iz raiona Pamira (A new species of genus *Orthocladus* (Diptera, Chironomidae) from the Pamir area). *Zoologicheskii Zhurnal* **70**(9): 95-103.
- Zelentsov, N. I. (1993) [+31 December 1993] Novyi vid ortokladiin roda *Acricotopus* Kieff. (Diptera, Chironomidae) iz Zapolyar'ya. *Presnovodnye bespozvonochnye: biologiya, sistematika, evolyutsiya. Trudy Instituta Biologii Vnutrennikh Vod im I. D. Papanina* **68**(71): 133-146.
- Zelentsov, N. I. (1997) [+30 June 1997] Novyi vid ortokladiin roda *Limnophyes* (Diptera, Chironomidae) iz Zapolyar'ya. Soobshchenie 1 (New orthocladiine species of the

- genus *Limnophyes* (Diptera, Chironomidae) from the Polar region. Communication 1.). *Zoologicheskii Zhurnal* **76**(6): 712-717.
- Zelentsov, N. I. (1997) [+31 July 1997] Novyi vid ortokladiin roda *Cricotopus* (Diptera, Chironomidae) iz Zapolyar'ya. Soobshchenie 2 (A new orthocladiine species of the genus *Cricotopus* (Diptera, Chironomidae) from the Polar region. Communication 2). *Zoologicheskii Zhurnal* **76**(7): 816-822.
- Zelentsov, N. I. (2000) [+31 October 2000] Novyi vid ortokladiin roda *Prosilocerus* (Diptera, Chironomidae) s Taimyra (A new orthocladiine species of the genus *Prosilocerus* (Diptera, Chironomidae) from Taimyr Peninsula). *Zoologicheskii Zhurnal* **79**(10): 1242-1246.
- Zelentsov, N. I. (2001) [+30 September 2001] Novyi vid ortokladiin roda *Cricotopus* (Diptera, Chironomidae) iz Zapolyar'ya Krasnoyarskogo kraya (A new orthocladiine species of the genus *Cricotopus* (Diptera, Chironomidae) from the Polar part of Krasnoyarsk Territory). *Zoologicheskii Zhurnal* **80**(9): 1146-1150.
- Zelentsov, N. I. (2006) [+30 June 2006] Novyi rod i vid ortokladiin (Diptera, Chironomidae) arhipelaga Novaya Zemlya (A new genus and species of orthocladiine (Diptera, Chironomidae) from the Novaya Zemlya Archipelago). *Zoologicheskii Zhurnal* **85**(6): 775-779.
- Zelentsov, N. I. (2007) [+30 September 2007] Novyi vid khironomid roda *Chaetocladius* (Diptera, Chironomidae) s arhipelaga Novaya Zemlya [A new chironomid species of the genus *Chaetocladius* (Diptera, Chironomidae) from the Novaya Zemlya Archipelago]. *Zoologicheskii Zhurnal* **86**(9): 1145-1149.
- Zelentsov, N. I. and Makarchenko, E. A. (1988) [20 May 1988] Khironomidy roda *Psectrocladius* Kieff. (Diptera, Chironomidae) krainego Severo-Vostoka SSSR [Chironomids of the genus *Psectrocladius* Kieff. (Diptera, Chironomidae) of the extreme North-East of the USSR]. Pp 40-51. In Levanidova, I. M. and Makarchenko, E. A. (eds.): *Fauna, Sistematika i Biologiya Presnovodnykh Bespozvonochnykh*. Izdatelstvo DVO AN SSSR, Vladivostok.
[Dr E. A. Makarchenko (pers. comm. to P. Ashe) has determined that the paper was published on the 20 May 1988.]
- Zerguine, K. and Rossaro, B. (2010) [16 June 2010] A new species of *Hydrobaenus* Fries, 1830 (Diptera, Chironomidae) from Algeria. *Zootaxa* **2507**: 37-43.
- Zetterstedt, J.W. (1837) [+31 January 1837] Conspectus Familiarum, Generum et Specierum Dipteriorum, in Fauna Insectorum Lapponica descriptorum. *Isis* (Oken's) **1837**(1): 28-67.
[The paper appeared in the 1st issue (of 12) for 1837 which was presumably published in January 1837 and therefore the publication date unless proven otherwise is the +31 January 1837.]
- Zetterstedt, J. W. (1838) [≤31 August 1838] *Insecta Lapponica*. L. Voss, Lipsiae [= Leipzig]. [Heft 3]. 477-868pp.
[Evenhuis (1997: 839) states that Heft 3 of Zetterstedt (1838) was published before September 1838. It was therefore published on or before the 31 August 1838 which is currently considered to be the earliest provable date of publication.]

- Zetterstedt, J. W. (1850) [11 September 1850] *Diptera Scandinaviae disposita et discripta*. Officina Lundbergiana, Lundae [= Lund]. *Tomus nonus*. 3367-3710pp.
[Dated the 11 September 1850 from the minutes of the Svensk Vetenskapsakad.]
- Zhang, R. and Wang, X. (2004) [+31 December 2004] A review of the genus *Acricotopus* Kieffer (Diptera: Chironomidae) in China. *Entomologia Sinica* **11**(4): 285-291.
- Zinchenko, T. D., Makarchenko, M.A. and Makarchenko, E.A. (2009) [29 April 2009] Novyi vid poda *Cricotopus* van der Wulp (Diptera, Chironomidae) iz solënoi reki basseina ozera El'ton (Volgogradskaya oblast', Rossiya) (A new species of *Cricotopus* van der Wulp (Diptera, Chironomidae) from a saline river of the El'ton Lake basin (Volgograd Region, Russia)). *Evraziatskii Entomologicheskii Zhurnal* **8**, Supplement **1**: 83-88.
- Zvereva, O. S. (1950) [+31 December 1950] Novye formy lichinok Tendipedidae (Diptera) iz rek Pechory i Vyhegdy. *Entomologicheskoe Obozrenie* 31(1/2): 262-284.

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ADDENDUM

Genus **ACRICOTOPUS** KIEFFER

The various *dilatatus* names below are removed from synonymy with *Psectrocladius* (*Allopectrocladius*) *obvius* (WALKER, 1856) on Catalogue page 509 and transferred to Catalogue page 112, between the existing synonyms *coaequatus* (WALKER, 1856) and *sagittalis* (KIEFFER, 1908), as junior synonyms of *Acricotopus lucens* (ZETTERSTEDT, 1850). Most of the proofs were corrected and the page numbers finalised before this error was detected. See also the taxonomic note on *dilatatus* (Wulp, 1859) on Catalogue page 743.

dilatatus (WULP, 1859): *Tijdschrift voor Entomologie* **2**: 167 (*Chironomus*).

Typelocality: [Netherlands] “’s Gravenhage”. Senior primary homonym of *Chironomus dilatatus* Wulp, 1859 (*Bouwstoffen voor eene fauna van Nederland* **3**: 7) and *Chironomus dilatatus* Wulp, 1859 (*Bouwstoffen voor eene fauna van Nederland* **3**: 32). [Note]

dilatus; *dilitatus*: incorrect subsequent spellings.

dilatatus (WULP, 1859): *Bouwstoffen voor eene fauna van Nederland* **3**: 7 (*Chironomus*; as “*Dilatatus*”). Type-locality: [Publication Title] “Nederland” [= Netherlands]; [p. 7] “’s Gravenhage”. **Preoccupied**. Junior primary homonym of *Chironomus dilatatus* Wulp, 1859 (*Tijdschrift voor Entomologie* **2**: 167).

dilatatus (WULP, 1859): *Bouwstoffen voor eene fauna van Nederland* **3**: 32 (*Chironomus*; as “*Dilatatus*”). Type-locality: [Publication Title] “Nederland” [= Netherlands]. **Preoccupied**. Junior primary homonym of *Chironomus dilatatus* Wulp, 1859 (*Tijdschrift voor Entomologie* **2**: 167).

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