

CHIRONOMUS

MITTEILUNGEN AUS DER CHIRONOMIDENKUNDE NEWSLETTER OF CHIRONOMID RESEARCH

A LIST OF TYPES OF PALAEARCTIC CHIRONOMIDAE

IN THE BRITISH MUSEUM

(NATURAL HISTORY).

by P.S. Cranston

The earliest British worker to publish on the Chironomidae was F. Walker (1856) who recorded 297 species, including 82 now recognised as Ceratopogonidae. Of the remaining 215 species 99 were new to science, and type-material of all but 4 species, (Chironomus compertus, disclusus, minuscule and morulus), has been found in the British Museum (Nat. Hist.). A syntype of Chironomus moturus Walker was rediscovered in the preparation of this list, and the name is synonymised with Acricotopus lucens Zetterstedt. In the list Walker's types are referred to as Holotypes unless there is definite evidence from either the collection or his description that he had a syntypic series. In some cases, marked with an asterisk, (+), the syntypic series is mixed.

With the exception of Verrall's list (1901), little taxonomic work was undertaken until F.W. Edwards, who published widely from 1919 until 1941. In his major work on the British Midges Edwards (1929) described 87 new species and 1 new named variety, and some type-material of all of these, with the exception of Metriocnemus grimshawi, has been found in the Museum. Of equal importance was Edwards' recognition of Walker's species; this interpretation is largely followed in this list.

In many cases workers have incorrectly regarded specimens which Edwards had separated from his type-series as holotypes; however Edwards often did not designate a holotype, and these series are therefore syntypic, as pointed out in the list.

In this list type localities have been reduced to the country only, but further data for all except Walker's species is available. The current name for the species follows Cranston in Kloet and Hincks (1976) for the British fauna, and a variety of works for the non-British species.

Further type-material of Palaearctic Chironomidae may be found in the collections of the Hope Department, University Museum, Oxford, The Royal Scottish Museum, Edinburgh and The National Museum of Ireland, Dublin. It is hoped that a study of this material may be made in the future.

- abiskoensis Edwards, 1937a:144, (Orthocladius)
Syntypes 2♂ (1 slide, 1 spirit). Sweden
- adjunctus Walker, 1856:190, (Chironomus)
Holotype ♀. England.
- affinis Walker, 1856:162, (Chironomus)
Holotype ♀. England.
- alligatus Walker, 1856:190, (Chironomus)
Holotype ♂. England.
- angusta Edwards, 1929:364, (Spaniotoma)
Syntypes 9♂, 7♀. England, Wales.
- apicalis Kieffer, 1921:806, (Metriocnemus)
Syntypes 2♂ (slide). Czechoslovakia.
- appositus Walker, 1856:191, (Chironomus)
Holotype ♂. England.
- barbimanus Edwards, 1929:333, (Spaniotoma)
Holotype ♂. England.
- belingi Fittkau, 1954:84, (Pseudodiamesa)
Paratypes (1♂ slide, 1♀ spirit). Germany.
- bertrami Edwards, 1935:470, (Diamesa)
Holotype ♂. Greenland.
- betuletorum Edwards, 1941:226, (Smittia)
Syntypes 2♂ (slide). Sweden.
- biformis Edwards, 1929:325, (Cricotopus)
Holotype ♂. England.
- bituberculatus Edwards, 1929:408, (Tanytarsus)
Syntypes 9♂, 1♀. England.
- bohemani Goetghebuer, 1932:181, (Diamesa)
Lectotype ♂ (fixed Edwards, 1933:617).
Spitzbergen.
- borealis f. squamatus Andersen, 1937:70,
(Limnophyes) Syntype ♂. Greenland.
- brachylabis Edwards, 1929:406, (Chironomus)
Holotype ♂. England.
- brayi Goetghebuer, 1921:173, (Chironomus)
Syntype ♂. Belgium.
- brevicosta Edwards, 1937a:146, (Tanytarsus)
Syntypes (3♂ slide). Sweden.
- brevifurcata Edwards, 1926:781, (Spaniotoma)
Syntypes 15♂. England.
- brevis Edwards, 1929:420, (Tanytarsus)
Syntypes 22♂, 6♀ (1♂ slide). England,
Ireland, Scotland.
- brevitarsis Edwards, 1929:316, (Metriocnemus)
Holotype ♀. England.
- britteni Edwards, 1929:399, (Chironomus)
Syntypes 9♂. England.
- brumalis Edwards, 1929:316, (Metriocnemus)
Syntypes 3♂, 4♀. England.
- calcarata Edwards, 1929:333, (Spaniotoma)
Syntypes 3♂, 2♀. England.
- caledonicus Edwards, 1929:47, (Chironomus)
Syntypes 3♂, 2♀ (1♂ slide). Scotland.
- calvescens Edwards, 1929:353, (Spaniotoma)
Syntypes 13♂, 1♀ (3♂ slide). England.
- campestris Edwards, 1929:307, (Diamesa)
Syntypes 3♂. England, Scotland.
- camptophleps Edwards, 1929:353, (Spaniotoma)
Syntypes 1♂, 1♀. England.
- carriana Edwards, 1924b:189, (Corynoneura)
Syntypes 2♂, 1♀. England.
- caudatus Edwards, 1924c:122, (Protanypus)
Syntypes 6♂, 4♀. Norway.
- celtica Edwards, 1924b:186, (Corynoneura)
Holotype ♂. Wales. 30 ♀♀ Paratypes.
England, Wales.
- chalybeata Edwards, 1929:331, (Spaniotoma)
Syntypes 10♂, 5♀. England.
- Orthocladius abiskoensis
Edwards
- Metriocnemus fuscipes Meigen
- Paratanytarsus tenuis Meigen
- Metriocnemus fuscipes Meigen
- Pseudosmittia angusta Edwards
- Heterotanytarsus apicalis
Kieffer
- Micropsectra apposita Walker
- Psectrocladius barbimanus
Edwards
- Pseudodiamesa branicki Nowick
- Diamesa bertrami Edwards
- Smittia betuletorum Edwards
- Cricotopus ? fuscus Kieffer
- Paratanytarsus bituberculatus
Edwards
- Diamesa bohemani Edwards
- Limnophyes ? minimus Meigen
- Paralauterborniella
nigrohalteralis Malloch
- Nilothauma brayi Goetghebuer
- Phaenopelma brevicosta Edwards
- Orthosmittia brevifurcata
Edwards
- Stempellinella brevis Edwards
- Gymnometriocnemus brevitarsis
Edwards
- Microtendipes britteni Edwards
- Gymnometriocnemus brumalis
Edwards
- Psectrocladius calcaratus
Edwards
- Microtendipes caledonicus
Edwards
- Eukiefferiella calvescens
Edwards
- Potthastia longimana Kieffer
- Krenosmittia camptophleps
Edwards
- Corynoneura carriana Edwards
- Protanypus caudatus Edwards
- Corynoneura celtica Edwards
- Rheocricotopus chalybeatus
Edwards

- cheethami Edwards, 1929:359, (Spaniotoma)
Holotype ♂, Paratypes 2♂, 1♀. England.
- chionophila Edwards, 1933b:90, (Tanytarsus)
Syntypes 1♂, 2♀. Scotland.
- cinctipes Edwards, 1928:171, (Heptagyia)
Syntypes 10♂. Corsica.
- cingulatus Walker, 1856:172, (Chironomus)
Holotype ♂. England.
- clavata Edwards, 1933a:615, (Diamesa)
Syntypes 1♂, 1♀. N. Canada.
- claviforceps Edwards, 1929:389, (Chironomus)
Syntypes 2♂. England.
- coaequatus Walker, 1856:190, (Chironomus)
Holotype ♀. England.
- coerulescens Kieffer, 1926:279, (Trichocladus)
Syntype (1♂, pupa, larva on slide).
Czechoslovakia.
- conformis Holmgren, 1869:42, (Chironomus)
Syntypes 1♂, 1♀. Spitzbergen.
- conjuncta Edwards, 1929:365, (Spaniotoma)
Syntypes 6♀. England.
- contingens Walker, 1856:191, (Chironomus)
Syntypes 2♂. England.
- convectus Walker, 1856:171, (Chironomus)
Holotype ♂. England.
- conversus Walker, 1856:175, (Chironomus)
Syntype ♀. England.
- convestitus Walker, 1856:177, (Chironomus)
Holotype ♂. England.
- convictus Walker, 1856:161, (Chironomus)
+ Syntypes 2♂. England.
- coronata Edwards, 1924b:187, (Corynoneura)
Holotype ♂, Paratypes 6♂, 7♀. England.
- coronata Edwards, 1929:354, (Spaniotoma)
Paratype ♂ (no abdomen). Wales.
- crassimanus Strenzke, 1959:24, (Chironomus)
Paratypes 1♂, 1♀ (spirit). West Germany.
- cuneatus Edwards, 1929:315, (Metriocnemus)
Syntypes 2♀ (1 only thorax). England.
- cuneipennis Edwards, 1929:421, (Tanytarsus)
Holotype ♀. England.
- curticosta Edwards, 1929:364, (Spaniotoma)
Syntypes 2♂. Scotland, Wales.
- davisi Edwards, 1933a:614, (Diamesa)
Syntypes 2♂, 1♀. N. Canada.
- denotatus Walker, 1856:190, (Chironomus)
Syntype ♂. England.
- dentiforceps Edwards, 1929:346, (Spaniotoma)
Syntypes 5♂, 5♀. England.
- deproperans Walker, 1856:188, (Chironomus)
Holotype ♀. England.
- deribae Freeman, 1957:395, (Chironomus)
Holotype ♂, Paratypes 1♂, 2♀. Sudan.
- devonica Edwards, 1929:349, (Spaniotoma)
Holotype ♂ (slide). England.
- diffinis Edwards, 1929:397, (Chironomus)
Syntypes 4♂, 2♀. England.
- digitalis Edwards, 1929:389, (Chironomus)
Syntypes 2♂, 1♀. England, Scotland.
- discrepans Walker, 1856:169, (Chironomus)
Holotype ♂. England.
- dispeusus Walker, 1856:161, (Chironomus)
Syntype ♂. England.
- dissidens Walker, 1856:154, (Chironomus)
Holotype ♂. England.
- dissipata Edwards, 1929:338, (Spaniotoma)
Syntypes 3♂, 1♀. England.
- Parakiefferiella bathophila
Kieffer
- Parapsectra chionophila Edwards
- Boreoheptagyia cinctipes
Edwards
- Paramerina cingulata Walker
- Diamesa clavata Edwards
- Parachironomus claviforceps
Edwards
- Acricotopus lucens Zetterstedt
- Eukiefferiella coerulescens
Kieffer
- Orthocladus conformis
Holmgren
- Pseudosmittia conjuncta
Edwards
- Smittia contingens Walker
- Einfeldia dissidens Walker
- Paracladius conversus Walker
- Prodiamesa olivacea Meigen
- Polypedilum convictum Walker
- Parachironomus parilis Walker
- Corynoneura coronata Edwards
- Parakiefferiella coronata
Edwards
- Chironomus crassimanus
Strenzke
- Paraphaenocladus cuneatus
Edwards
- Stempellinella cuneipennis
Edwards
- Pseudosmittia curticosta
Edwards
- Diamesa davisi Edwards
- Paracladius conversus Walker
- Chaetocladus dentiforceps
Edwards
- Metriocnemus fuscipes Meigen
- Leptochironomus deribae
Freeman
- Eukiefferiella devonica
Edwards
- Microtendipes diffinis
Edwards
- Parachironomus digitalis
Edwards
- Microtendipes chloris Meigen
- Limnochironomus pulsus Walker
- Einfeldia dissidens Walker
- Chaetocladus dissipatus
Edwards

- divisus Walker, 1856:192, (Chironomus)
Holotype ♂. England.
- dolens Walker, 1856:178, (Chironomus)
Holotype ♂. England.
- effusus Walker, 1856:180, (Chironomus)
* Syntypes 2♂. England.
- ejuncidus Walker, 1856:155, (Chironomus)
Holotype ♂. England.
- eltoni Edwards, 1922:203, (Camptocladius)
Syntypes 4♂, 1♀. Bear Island.
- eltoni f. asquamatus Andersen, 1937:71,
(Limnophyes) Syntype ♂. Greenland.
- eminulus Walker, 1856:156, (Chironomus)
Holotype ♀. England.
- enotatus Walker, 1856:170, (Chironomus)
Holotype ♂. England.
- excavatus Edwards, 1929:416, (Tanytarsus)
Syntypes 5♂. England, Wales.
- excerptus Walker, 1856:179, (Chironomus)
Holotype ♂. England.
- eximia Edwards, 1929:290, (Pentaneura)
Paratype ♀. (Scotland).
- expalpanus Walker, 1856:181, (Chironomus)
Holotype ♂. England.
- exspatians Walker, 1856:182, (Chironomus)
Holotype ♀. England.
- feminea Edwards, 1929:343, (Spaniotoma)
Holotype ♂. England.
- fertus Walker, 1856:192, (Chironomus)
Syntype ♂. England.
- festivus Holmgren, 1869:43, (Chironomus)
Syntypes 1♂, 1♀. Spitzbergen.
- flavescens Edwards, 1929:367, (Corynoneura)
Holotype ♂, Paratypes 2♂. England.
- flavidulus Edwards, 1929:420, (Tanytarsus)
Syntypes 3♂, 2♀ (2♂ slides) England.
- flavifrons Edwards, 1929:302, (Procladius)
Syntypes 4♀. England.
- flexuella Edwards, 1929:349, (Spaniotoma)
Syntypes 5♂. England.
- foveata Edwards, 1929:330, (Spaniotoma)
Syntypes 5♂, 5♀. (1♂ slide). England,
Scotland.
- fucicola Edwards, 1926:782, (Trichocladius)
Holotype ♂, Paratypes 12♂, 2♀. England,
Scotland, Wales.
- furcata Edwards, 1933a:617, (Diamesa)
Syntypes 1♂, 3♀. N. Canada.
- fusciceps Edwards, 1929:290, (Pentaneura)
Syntypes 2♂. England.
- fuscihalter Edwards, 1929:369, (Corynoneura)
Syntypes 2♂. England.
- futilis Walker, 1856:156, (Chironomus)
? Holotype ♂ (described by Walker as ♀)
England.
- glabrescens Edwards, 1929:416, (Tanytarsus)
Holotype ♂. England.
- glacialis Edwards, 1922:209, (Cricotopus)
Lectotype ♂ (Hirvenoja 1973:284), Para-
lectotypes 9♂, 7♀. Spitzbergen.
- gotchi Goetghebuer, 1928:143, (Tanytarsus)
Holotype ♂. England.
- gracei Edwards, 1929:312, (Metriocnemus)
Syntypes 2♂. England.
- gracei Edwards, 1929:346, (Spaniotoma)
Syntypes 2♂. England.
- Paramerina divisa Walker
- Chironomus pilicornis
Fabricius
- Rheocricotopus effusus Walker
- Paraphaenocladus impensus
Walker
- Tanytarsus ejuncidus Walker
- Limnophyes eltoni Edwards
- Limnophyes asquamatus
Andersen (see Saether, 1975:
1030)
- Tanytarsus eminulus Walker
- Polypedilum nubeculosum
Meigen
- Tanytarsus excavatus Edwards
- Paratrissocladus excerptus
Walker
- Rheopelopia eximia Edwards
- Arctopelopia barbitarsis
Zetterstedt
- Psectrocladius sordidellus
Zetterstedt
- Bryophaenocladus feminea
Edwards
- Metriocnemus fuscipes Meigen
- Orthocladius festivus
Holmgren
- Thienemanniella flavescens
Edwards
- Stempellinella flavidula
Edwards
- Psilotanypus flavifrons
Edwards
- Mesogmittia flexuella
Edwards
- Rheocricotopus atripes Kieffer
- Halocladius fucicola Edwards
- Diamesa furcata Edwards
- Thienemannimyia fusciceps
Edwards.
- Corynoneura fuscihalter
Edwards
- Limnochironomus nervosus
Staeger
- Tanytarsus glabrescens
Edwards
- Cricotopus glacialis Edwards
- Tanytarsus heusdensis
Goetghebuer
- Metriocnemus gracei Edwards
- Eukiefferiella gracei
Edwards

- divisus Walker, 1856:192, (Chironomus)
Holotype ♂. England.
- dolens Walker, 1856:178, (Chironomus)
Holotype ♂. England.
- effusus Walker, 1856:180, (Chironomus)
+ Syntypes 2♂. England.
- ejuncidus Walker, 1856:155, (Chironomus)
Holotype ♂. England.
- eltoni Edwards, 1922:203, (Camptocladius)
Syntypes 4♂, 1♀. Bear Island.
- eltoni f. asquamatus Andersen, 1937:71,
(Limnophyes) Syntype ♂. Greenland.
- eminulus Walker, 1856:156, (Chironomus)
Holotype ♀. England.
- enotatus Walker, 1856:170, (Chironomus)
Holotype ♂. England.
- excavatus Edwards, 1929:416, (Tanytarsus)
Syntypes 5♂. England, Wales.
- excerptus Walker, 1856:179, (Chironomus)
Holotype ♂. England.
- eximia Edwards, 1929:290, (Pentaneura)
Paratype ♀. (Scotland).
- expalpans Walker, 1856:181, (Chironomus)
Holotype ♂. England.
- exspatians Walker, 1856:182, (Chironomus)
Holotype ♀. England.
- feminea Edwards, 1929:343, (Spaniotoma)
Holotype ♂. England.
- fertus Walker, 1856:192, (Chironomus)
Syntype ♂. England.
- festivus Holmgren, 1869:43, (Chironomus)
Syntypes 1♂, 1♀. Spitzbergen.
- flavescens Edwards, 1929:367, (Corynoneura)
Holotype ♂, Paratypes 2♂. England.
- flavidulus Edwards, 1929:420, (Tanytarsus)
Syntypes 3♂, 2♀ (2♂ slides) England.
- flavifrons Edwards, 1929:302, (Procladius)
Syntypes 4♀. England.
- flexuella Edwards, 1929:349, (Spaniotoma)
Syntypes 5♂. England.
- foveata Edwards, 1929:330, (Spaniotoma)
Syntypes 5♂, 5♀. (1♂ slide). England,
Scotland.
- fucicola Edwards, 1926:782, (Trichocladius)
Holotype ♂, Paratypes 12♂, 2♀. England,
Scotland, Wales.
- furcata Edwards, 1933a:617, (Diamesa)
Syntypes 1♂, 3♀. N. Canada.
- fusciceps Edwards, 1929:290, (Pentaneura)
Syntypes 2♂. England.
- fuscihalter Edwards, 1929:369, (Corynoneura)
Syntypes 2♂. England.
- futilis Walker, 1856:156, (Chironomus)
? Holotype ♂ (described by Walker as ♀)
England.
- glabrescens Edwards, 1929:416, (Tanytarsus)
Holotype ♂. England.
- glacialis Edwards, 1922:209, (Cricotopus)
Lectotype ♂ (Hirvenoja 1973:284), Para-
lectotypes 9♂, 7♀. Spitzbergen.
- gotchi Goetghebuer, 1928:143, (Tanytarsus)
Holotype ♂. England.
- gracei Edwards, 1929:312, (Metriocnemus)
Syntypes 2♂. England.
- gracei Edwards, 1929:346, (Spaniotoma)
Syntypes 2♂. England.
- Paramerina divisa Walker
- Chironomus pilicornis
Fabricius
- Rheocricotopus effusus Walker.
- Paraphaenocladus impensus
Walker
- Tanytarsus ejuncidus Walker
- Limnophyes eltoni Edwards
- Limnophyes asquamatus
Andersen (see Saether, 1975:
1030)
- Tanytarsus eminulus Walker
- Polypedilum nubeculosum
Meigen
- Tanytarsus excavatus Edwards
- Paratrissocladus excerptus
Walker
- Rheopelopia eximia Edwards
- Arctopelopia barbitarsis
Zetterstedt
- Psectrocladius sordidellus
Zetterstedt
- Bryophaenocladus feminea
Edwards
- Metriocnemus fuscipes Meigen
- Orthocladius festivus
Holmgren
- Thienemanniella flavescens
Edwards
- Stempellinella flavidula
Edwards
- Psilotanypus flavifrons
Edwards
- Mesognittia flexuella
Edwards
- Rheocricotopus atripes Kieffer
- Halocladius fucicola Edwards
- Diamesa furcata Edwards
- Thienemannimyia fusciceps
Edwards.
- Corynoneura fuscihalter
Edwards
- Limnochironomus nervosus
Staeger
- Tanytarsus glabrescens
Edwards
- Cricotopus glacialis Edwards
- Tanytarsus heusdensis
Goetghebuer
- Metriocnemus gracei Edwards
- Eukiefferiella gracei
Edwards

- lacuum Edwards, 1929:324, (*Cricotopus*)
 Syntypes 4♂, 3♀. England, Scotland.
- laricomalis Edwards, 1932:46, (*Cricotopus*)
 Syntypes 3♂, 1♀. Scotland.
- latiforceps Edwards, 1941:235, (*Tanytarsus*)
 Syntypes 1♂, 1♀. (hypopygium of ♂ poorly mounted.) Sweden.
- lentulus Walker, 1856:178, (*Chironomus*)
 Syntype ♂. England.
- lestralis Edwards, 1924a:172, (*Cricotopus*)
 Lectotype ♂ (Hirvenoja, 1973:153),
 Paralectotypes 4♂, 1♀. Spitzbergen.
- lobata Edwards, 1924b:186, (*Corynoneura*)
 Holotype ♂, Paratypes 3♂, 2♀. England.
- longicosta Edwards, 1922:201, (*Camptocladius*)
 Syntype 4♀. Bear Island.
- luridus Strenzke, 1959:26, (*Chironomus*)
 Paratypes 2♂ (spirit). West Germany.
- luridus f. *semicinctus* Strenzke, 1959:27,
 (*Chironomus*) Paratypes 1♂, 1♀ (spirit).
 West Germany.
- lutea Edwards, 1924b:184, (*Corynoneura*)
 Holotype ♂, Paratypes 9♂, 3♀. England.
- lygropis Edwards, 1929:325, (*Cricotopus*)
 Holotype ♀. England.
- macani Freeman, 1948:50, (*Chironomus*)
 Holotype ♂, Paratypes 2♀. England.
- majuscula Edwards, 1924b:183, (*Corynoneura*)
 Holotype ♂, Paratypes 7♂, 3♀. England.
- malacus Walker, 1856:167, (*Chironomus*)
 Syntype ♀. England.
- mancunianus Edwards, 1929:393, (*Chironomus*)
 Syntypes 4♂. England.
- mancus Walker, 1856:161, (*Chironomus*)
 Holotype ♂. England.
- marcidus Walker, 1856:177, (*Chironomus*)
 Holotype ♂. England.
- minor Edwards, 1929:348, (*Spaniotoma*)
 Syntypes 5♂. England.
- minor Edwards, 1929:420, (*Tanytarsus*)
 Syntypes 4♂, 1♀ (slide). England, Wales.
- modicellus Walker, 1856:162, (*Chironomus*)
 Holotype ♀. England.
- moerens Walker, 1856:178, (*Chironomus*)
 Holotype ♂. England.
- monticola Edwards, 1929:408, (*Tanytarsus*)
 Holotype ♂, Paratypes 1♂, 1♀. Scotland.
- montium Edwards, 1929:307, (*Diamesa*)
 Syntypes 3♂. England, Scotland.
- morosa Edwards, 1924b:185, (*Corynoneura*)
 Holotype ♂. England.
- motitator f. *subcoeruleus* Edwards, 1929:323,
 (*Cricotopus*) Syntypes 5♂, 6♀. England.
- moturus Walker, 1856:188, (*Chironomus*)
 Syntype ♂ (slide). England.
- nactus Walker, 1856:179, (*Chironomus*)
 Holotype ♂. England.
- nemorosus Edwards, 1929:416, (*Tanytarsus*)
 Holotype ♂. England.
- nexilis Walker, 1856:184, (*Chironomus*)
 Holotype ♂. England.
- nidorum Edwards, 1929:342, (*Spaniotoma*)
 Holotype ♂. England.
- niger Andersen, 1937:40, (*Tanytarsus*)
 Syntype ♂. Greenland.
- nigratus Walker, 1856:184, (*Chironomus*)
 Holotype ♀. England.
- Cricotopus ephippium*
 Zetterstedt
- Cricotopus laricomalis*
 Edwards
- Not recognised with certainty
 Reiss & Fittkau,
 1971:81
- Microtendipes confinis* Meigen
- Cricotopus lestralis* Edwards
- Corynoneura lobata* Edwards
- Smittia longicosta* Edwards
- Chironomus luridus* Strenzke
- Chironomus luridus*
 f. *semicinctus* Strenzke
- Thienemanniella lutea* Edwards
- Cricotopus lygropis* Edwards
- Einfeldia macani* Freeman
- Thienemanniella majuscula*
 Edwards
- Parachironomus biannulatus*
 Staeger
- Glyptotendipes mancunianus*
 Edwards
- Cladotanytarsus mancus* Walker
- Heterotrissocladius marcidus*
 Walker
- Eukiefferiella minor* Edwards
- Stempellinella minor* Edwards
- Cladotanytarsus mancus* Walker
- Chironomus pilicornis*
 Fabricius
- Parapsectra nana* Meigen
- Potthastia montium* Edwards
- Thienemanniella morosa* Edwards
- Cricotopus annulator*
 Goetghebuer
- Acricotopus lucens*
 Zetterstedt. *Nov. Syn.*
- Microapsectra praecox* Meigen
- Tanytarsus nemorosus* Edwards
- Diamesa incallida* Walker
- Bryophaenocladius nidorum*
 Edwards
- Tanytarsus niger* Andersen
- Smittia aterrima* Meigen

- nigrocinctus Freeman, 1957:220, (Tanytarsus)
Holotype ♂, Paratypes 5♂, 2♀. Uganda.
- nigronitens Edwards, 1929:390, (Chironomus)
Syntypes 2♂. England.
- nitidicollis Walker, 1856:187, (Chironomus)
Holotype ♂. England.
- northumbrica Edwards, 1929:291, (Pentaneura)
Syntype ♂. England.
- notescens Walker, 1856:156, (Chironomus)
Holotype ♂. England.
- novatus Walker, 1856:184, (Chironomus)
Syntype ♀ (no abdomen). England.
- nubens Edwards, 1929:376, (Pentapedilum)
Syntypes 15♂, 4♀. England, Ireland, Scotland.
- nudisquama Edwards, 1929:396, (Chironomus)
Syntypes 1♂, 1♀. England, Ireland.
- nugax Walker, 1856:186, (Chironomus)
Holotype ♂. England.
- obditus Walker, 1856:181, (Chironomus)
Syntype ♂. England.
- objectans Walker, 1856:157, (Chironomus)
Holotype ♂. England.
- oblidens Walker, 1856:180, (Chironomus)
Holotype ♂ (slide). England.
- obnixus Walker, 1856:165, (Chironomus)
Holotype ♂. England.
- obreptans Walker, 1856:168, (Chironomus)
Holotype ♀. England.
- obscuripes Holmgren, 1869:38, (Chironomus)
Syntypes 1♂, 1♀. Spitzbergen.
- obsepiens Walker, 1856:183, (Chironomus)
Syntype ♂. England.
- obsistens Walker, 1856:188, (Chironomus)
Holotype ♂. England.
- obtexens Walker, 1856:188, (Chironomus)
Holotype ♀. England.
- obvertens Walker, 1856:177, (Chironomus)
Syntypes 1♂, 1♀. England.
- obvius Walker, 1856:174, (Chironomus)
Holotype ♂. England.
- occipiens Walker, 1856:165, (Chironomus)
Holotype ♂. England.
- offectus Walker, 1856:185, (Chironomus)
Holotype ♂. England.
- olivaceus Goetghebuer, 1928:143, (Tanytarsus)
Holotype ♂. England.
- oppertus Walker, 1856:183, (Chironomus)
Holotype ♂. England.
- oppositus Walker, 1856:176, (Chironomus)
Holotype ♂ (slide). England.
- opplens Walker, 1856:187, (Chironomus)
Holotype ♂. England.
- ornaticollis Edwards, 1929:359, (Spaniotoma)
Holotype ♂, Paratypes 2♂, 2♀. England.
- orophilus Edwards, 1929:405, (Chironomus)
Syntypes 3♂, 1♀. England, Ireland, Wales.
- oxonianus Edwards, 1922:204, (Camptocladius)
Syntypes 3♀. Bear Island.
- paganicus Walker, 1856:183, (Chironomus)
Holotype ♀. England.
- pallidicornis Walker, 1856:169, (Chironomus)
Syntype ♂. England.
- pallidipes Edwards, 1929:324, (Cricotopus)
Syntypes 8♂, 1♀. England, Scotland, Wales.
- parilis Walker, 1856:161, (Chironomus)
Syntypes 1♂, 1♀. England.
- paripes Edwards, 1929:392, (Chironomus)
Syntypes 4♂, 1♀. England.
- parva Edwards, 1932:245, (Diamesa)
Holotype ♂. Scotland. Paratypes 4♂, 1♀. England.
- Tanytarsus horni Goetghebuer
- Cryptotendipes nigronitens
Edwards
- Acricotopus lucens Zetterstedt
- Thienemannimyia northumbrica
Edwards
- Micropsectra praecox Meigen
- Chaetocladius perennis Meigen
- Pentapedilum nubens Edwards
- Paratendipes nudisquama
Edwards
- Natarsia nugax Walker
- Prodiamesa olivacea Meigen
- Limnochironomus pulsus Walker
- Orthocladius oblidens Walker
- Cricotopus obnixus Walker
- Cryptochironomus obreptans
Walker
- Metriocnemus obscuripes
Holmgren
- Acricotopus lucens Zetterstedt
- Metriocnemus fuscipes Meigen
- Paracladius conversus Walker
- Microtendipes confinis Meigen
- Psectrocladius obvius Walker
- Micropsectra praecox Meigen
- Micropsectra praecox Meigen
- Cladotanytarsus atridorsum
Kieffer
- Psectrocladius oppertus Walker
- Stictochironomus rosenshoeldi
Zetterstedt
- Paratrachocladius rufiventris
Meigen
- Heleniella ornaticollis
Edwards
- Pagastiella orophila Edwards
- Pseudosmittia oxoniana
Edwards
- Metriocnemus ? picipes Meigen
- Tanytarsus pallidicornis
Walker
- Cricotopus pallidipes Edwards
- Parachironomus parilis Walker
- Glyptotendipes paripes
Edwards
- Pseudokiefferiella parva
Edwards

- parvibarba* Edwards, 1939:259, (*Smittia*)
 Holotype ♂ (slide). Sweden.
pastoris Edwards, 1933b:88, (*Diamesa*)
 Syntypes 10♂, 10♀. Scotland.
patens Walker, 1856:170, (*Chironomus*)
 Holotype ♀. England.
patibilis Walker, 1856:174, (*Chironomus*)
 +Syntypes 2♂. England.
pedestris Wollaston, 1858:114, (*Cheironomus sic!*)
 Syntypes 9♂, 3♀. Madeira.
penerasus Edwards, 1929:315, (*Metriocnemus*)
 Syntypes 10♂, 2♀. England, Scotland, Wales.
peregrinus Edwards, 1929:296, (*Podonomus*)
 Syntypes 2♂. England. (no abdomen), Scotland.
perexilis Walker, 1856:191, (*Chironomus*)
 Holotype ♀. England.
pergens Walker, 1856:187, (*Chironomus*)
 Holotype ♂. England.
perlevis Walker, 1856:158, (*Chironomus*)
 Holotype ♀. England.
permacer Walker, 1856:183, (*Chironomus*)
 +Syntypes 1♂, 1♀. England.

perpessus Walker, 1856:178, (*Chironomus*)
 Holotype ♂. England.
perreptans Walker, 1856:177, (*Chironomus*)
 Holotype ♂ (no abdomen). England.
persidens Walker, 1856:181, (*Chironomus*)
 Holotype ♂. England.
pertenuis Walker, 1856:182, (*Chironomus*)
 Holotype ♀. England.
pertractus Walker, 1856:188, (*Chironomus*)
 Holotype ♂. England.
pervulus Walker, 1856:179, (*Chironomus*)
 Holotype ♂. England.
platypus Edwards, 1929:333, (*Spaniotoma*)
 Syntypes 4♂, 2♀. England, Scotland.
polaris Kirby, 1824:218, (? *Chironomus*)
 Syntype (thorax, 1 wing). 'Ross voyage'.
poultoni Edwards, 1922:213, (*Diamesa*)
 Syntypes 4♂, 1♀. Spitzbergen.
pseudothummi Strenzke, 1959:27, (*Chironomus*)
 Paratypes 1♂, 1♀ (spirit). West Germany
pulsus Walker, 1856:165, (*Chironomus*)
 Syntype ♂. England.
recta Edwards, 1929:362, (*Spaniotoma*)
 Holotype ♂, Paratypes 4♂, 2♀. England.
reflexens Edwards, 1929:411, (*Tanytarsus*)
 Syntypes 8♂, 3♀. England, Scotland, Wales.
richmondensis Edwards, 1929:413, (*Tanytarsus*)
 Syntypes 8♂, 4♀. England, Scotland, Wales.
rydalis Edwards, 1929:404, (*Chironomus*)
 Syntypes 2♂. England.
samboni Edwards, 1929:416, (*Tanytarsus*)
 Syntypes 2♂. England.
scotica Edwards, 1929:363, (*Spaniotoma*)
 Holotype ♀. Scotland.
separatus Walker, 1856:171, (*Chironomus*)
 Holotype ♂. England.
serpentinus Edwards, 1937b:105, (*Lasiodiamesa*)
 Holotype ♂ (slide). Sweden.
sima Edwards, 1929:342, (*Spaniotoma*)
 Holotype ♂. England.
simplicistilis Freeman, 1948:49, (*Procladius*)
 Holotype ♂, Paratypes 2♂, 1♀. England.
skirwithensis Edwards, 1929:329, (*Spaniotoma*)
 Syntypes 2♂. England.
steinböcki Goetghebuer, 1933:56, (*Diamesa*)
 Paratypes 2♂ (slide). Austria.

Lapposmittia parvibarba
 Edwards
Potthastia pastoris Edwards

Polypedilum pedestre Meigen

Metriocnemus fuscipes Meigen
Acricotopus lucens Zetterstedt
Thalassomya frauenfeldi
 Schiner
Paraphaenocladius penerasus
 Edwards
Parochlus kiefferi Garrett

Microcricotopus bicolor
 Zetterstedt
Diamesa tonsa Walker

Paratanytarsus tenuis Meigen

 ♂ *Diamesa permacra* Walker
 ♀ *Chaetocladus perennis*
 Meigen
Prodiamesa olivacea Meigen

Microtendipes confinis
 Meigen
Orthocladus rubicundus
 Meigen
Bryophaenocladus ictericus
 Meigen
Diamesa tonsa Walker

Acricotopus lucens Zetterstedt

Psectrocladius platypus
 Edwards
Chironomus polaris Kirby

Diamesa arctica Boheman

Chironomus pseudothummi
 Strenzke
Limnochironomus pulsus Walker

Pseudosmittia recta Edwards

Tanytarsus triangularis
 Goetghebuer
Tanytarsus arduennensis
 Goetghebuer
Microtendipes rydalis
 Edwards
Tanytarsus debilis Meigen

Pseudosmittia scotica Edwards

Microtendipes confinis Meigen

Lasiodiamesa gracilis Kieffer

Bryophaenocladus simus
 Edwards
Procladius simplicistilis
 Freeman
Paratrachocladus skirwithensis
 Edwards
Diamesa steinböcki
 Goetghebuer

- striatus Strenzke, 1959:17, (Chironomus)
Paratypes 1♂, 1♀ (spirit). West Germany.
- submontana Edwards, 1932:46, (Spaniotoma)
Syntypes 1♂, 1♀. Scotland.
- subnudus Edwards, 1929:316, (Metriocnemus)
Syntypes 10♂, 2♀. England, Scotland.
- subvernalis Edwards, 1929:341, (Spaniotoma)
Holotype ♂. England.
- tarsalis Walker, 1856:170, (Chironomus)
Holotype ♂. England.
- thienemanni Edwards, 1938:153, (Boreochlus)
Paratypes 7♂, 3♀ (spirit). Sweden.
Type & Allotype (in B.M.N.H., according to
Edwards & Brundin, have not been found.)
- thummi piger Strenzke, 1959:29, (Chironomus)
Paratypes 1♂, 1♀ (spirit). West Germany.
- torneträskensis Edwards, 1941:211, (Orthocladus)
Syntypes 5♂ (slide). Sweden.
- transgressus Holmgren, 1883:180, (Chironomus)
Syntype ♂. U.S.S.R., Novaya Zemlya Is.
- trichopus Walker, 1856:169, (Chironomus)
Holotype ♂. England.
- trifascia Edwards, 1929:322, (Cricotopus)
Syntypes 6♂, 2♀. England.
- trilobata Edwards, 1929:364, (Spaniotoma)
Holotype ♂. England.
- tripilata Edwards, 1929:348, (Spaniotoma)
Syntypes 20♂, 14♀. England.
- tristellus Edwards, 1929:312, (Metriocnemus)
Syntypes 3♂, 1♀ (1♂ slide). England.
- tritum Walker, 1856:162, (Chironomus)
Holotype ♀. England.
- tuberculata Edwards, 1929:341, (Spaniotoma)
Syntypes 2♂. England.
- vanderwulpi Edwards, 1929:418, (Tanytarsus)
Syntypes 5♂, 1♀. England.
- variabilis Staeger, 1839:571, (Chironomus)
Paralectotypes 1♂, 1♀. Denmark.
- verralli Edwards, 1929:348, (Spaniotoma)
Holotype ♂ (slide). Wales.
- verralli Goetghebuer, 1928:143, (Tanytarsus)
? Holotype ♂. England.
- virgo Edwards, 1937a:141, (Abiskomyia)
Syntype ♀ (slide). Sweden.
- vittata Edwards, 1924b:184, (Corynoneura)
Holotype 2♂. Wales.
- woodi Edwards, 1929:292, (Pentaneura)
Syntypes 2♂ (1 no abdomen). England.
- xanthogyne Edwards, 1929:342, (Spaniotoma)
Syntypes 11♂, 6♀. England.
- zernyi Edwards, 1933a:617, (Diamesa)
Holotype ♂. Austria.
- zonarius Walker, 1856:176, (Chironomus)
Holotype ♂. England.
- Chironomus striatus Strenzke
- Acamptocladus submontanus
Edwards
- Gymnometriocnemus subnudus
Edwards
- Bryophaenocladus subvernalis
Edwards
- Microtendipes tarsalis Walker
- Boreochlus thienemanni
Edwards
- Chironomus thummi f. piger
Strenzke
- Trissocladus torneträskensis
Edwards
- Metriocnemus transgressus
Holmgren
- Endochironomus tendens
Fabricius
- Cricotopus trifascia Edwards
- Pseudosmittia trilobata
Edwards
- Synorthocladus semivirens
Kieffer
- Metriocnemus tristellus
Edwards
- Pentapedilum tritum Walker
- Bryophaenocladus tuberculata
- Cladotanytarsus vanderwulpi
Edwards
- Halocladus variabilis
Staeger
- Eukiefferiella verralli
Edwards
- Tanytarsus verralli
Goetghebuer
- Abiskomyia virgo Edwards
- Thienemanniella vittata
Edwards
- Thienemannimyia woodi
Edwards
- Bryophaenocladus xanthogyne
Edwards
- Diamesa zernyi Edwards
- Microtendipes confinis
Meigen

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DIE CHIRONOMIDENTYPEN UND IHR ERHALTUNGSZUSTAND IN DER SAMMLUNG
DES MUSÉUM NATIONAL D'HISTOIRE NATURELLE, PARIS.

von Ernst Josef Fittkau und Friedrich Reiss

Die Sammlung Meigen enthält genadeltes Material von 134 nominellen Chironomidenarten, das unter den Nummern 22-156 inventarisiert ist. Es wird in seiner Gesamtheit als Typusmaterial betrachtet und ist in jüngerer Zeit nur zu einem geringen Teil revidierend bearbeitet worden.

Anlässlich der Revision europäisch verbreiteter Tanytarsus-Arten wurde die Sammlung von E.J. Fittkau durchgesehen. Die dabei entstandenen Notizen zur Anzahl, dem Geschlecht und Erhaltungszustand der Individuen der jeweiligen Arten werden in der folgenden Liste angeführt, die außerdem Hinweise auf die Zugehörigkeit der Arten zu den heute gültigen Gattungen oder Unterfamilien enthält.

Abd. = Abdomen, Ant. = Antenne, Fl. = Flügel, Hyp. = Hypopyg.

Chironomus

22 obscuripes, 2♂ (beide Hyp. fehlen), 1♀	Glyptotendipes
23 aprilinus, 2♂ (1 Hyp. fehlt), 2♀	Chironomus
24 flavellus, 1♂, 1 nicht definierbarer Rest	Chironomus
25 prasinus, 3♂ (2 Hyp. fehlen), 1♀ (Abd. fehlt)	Chironomus
26 plumosus, 1♂ (Ant. fehlen), 1♀	Chironomus
27 sticticus (histrion) 1♂ (Fragment mit 2 Beinen)	Stictochironomus
28 tendens 1♂ (Ant. fehlen)	Endochironomus
29 flexilis (gibbus) 2♂ (1 Abd. und 1 Hyp. fehlen)	Zavreliella
30 litorellus 1 Fragment ohne Kopf und Abd.	Chironomini

31 notatus 1♀	Chironomus
32 laetus 1♂ (Abd. fehlt), 1♀ (Ant. fehlen)	Poypedilum
33 maculipennis 1♂ (Abd. fehlt)	Stictochironomus
34 chloris 2♂ (1 Hyp. und 1 Abd. präpariert)	Microtendipes
35 lividus 4♂ (2 Hyp. fehlen, 2♂♂ Prodiamesa olivacea)	Orthoclaadiinae
36 olivaceus 1♂ (Hyp. präpariert)	Prodiamesa
37 psittacinus 1♂ (Hyp. präpariert)	Cryptochironomus
38 lepidus 1♂ (Kopf fehlt)	Endochironomus
39 cingulatus 3♂ (1 Abd. fehlt), 1♀	Chironomus
40 riparius 2♂ (beide Hyp. präpariert), 1♀	Chironomus
41 sticticus 1♂, 2♀	Stictochironomus
42 tentans 1♀	Camptochironomus
43 nigrinus (pilicornis) 1♂ (Hyp. fehlt), 1♀	Chironomus
44 scalaenus 1♂, 1♀	Polypedilum
45 melaleucus 1♀ (Abd. fehlt)	Orthoclaadiinae
46 scriptus 1♀ (Abd. fehlt)	Orthoclaadiinae
47 pedellus 2♂, 2♀	Microtendipes
48 fuscipennis 2♀♀	Orthoclaadiinae
49 dispar 1♂ (Hyp. fehlt), 1♀ (Abd. fehlt)	Endochironomus
50 rufipes 2♂ (1 Hyp. fehlt), 2♀	Glyptotendipes
51 dorsalis 2♂ (1 Hyp. präpariert, 1 Kopf und 1 Abd. fehlen), 1♀ (Kopf und Abd. fehlen)	Einfeldia
52 obscurimanus 1♂ (Abd. fehlt), 1♀ (Fragment)	Chironomus
53 aterrimus 2♂ (1 Exemplar präpariert, 1 Exemplar ohne Abd.)	
54 vagans 1♂	Othoclaadiinae
55 supplicans 1♂ (Ant. fehlen)	Paratendipes
56 albipennis 2♂ (1 Abd. fehlt), 1♀	Chironomini
57 nitidus 1 Fragment ohne Kopf und Abd.	Chironomus
58 pallidulus 2♂ (1 Abd. fehlt), 1♀	Microtendipes
59 flavipes 2♂ (1 Hyp. und 1 Abd. fehlen), 2♀	Micropsectra
60 fuscus 1♀	Pentaneurini
61 opacus 2♂ (1 Exemplar ohne Abd. und Beine)	Micropsectra
62 albolineatus 2♂ (1 Hyp. und 1 Abd. fehlen), 2♀ (1 Abd. fehlt, 1 Fl. fehlt)	Camptocladius
63 scutellatus 2♂ (1 Hyp. fehlt), 3♀ (1 Abd. fehlt)	Orthoclaadiinae
64 plebeius 1♂ (Hyp. fehlt)	Prodiamesa
65 proximus 1♀ (Ant. fehlen)	Paratendipes
66 albimanus 1♂ (Abd. fehlt), 4♀ (1 Exemplar ohne Abd., 2 ohne Fl. und Beine)	Orthoclaadiinae
67 glabricollis 4♂ (1 Antennenpaar fehlt), 2♀	Paratendipes
68 obscurus 2♂ (1 Abd. fehlt), 1♀ (Kopf fehlt)	Orthoclaadiinae
69 nubeculosus 1♂ (Hyp. präpariert), 2♀	Microtendipes
70 bicornatus 1♂ (Abd. fehlt), 1♀ (Ant. fehlt)	Polypedilum
71 ornatus 1♀	Cricotopus
72 pulchellus 1♀	Cricotopus
73 dizonias 3♀ (1♀ Cricotopus tremulus, 1♀ Cricotopus flavocinctus det. M. Hirvenoja)	Cricotopus
74 perennis 3♂ (2 Hyp. und 1 Kopf fehlen)	Orthoclaadiinae

75	oscillator 1♂ (Hyp. fehlt), 1♀ (Cricotopus silvestris, det. M. Hirvenoja)	Cricotopus
76	tremulus 1♂ (Abd. fehlt), 1♀ (Abd. fehlt)	Cricotopus
77	carbonarius 1 Fragment (Thorax und 1 Fl.)	Orthocladiinae
78	bilineatus 1♂ (Abd. und Ant. fehlen)	Diamesini
79	virescens 1♀ (Fragment mit Kopf, Thorax, 1 Fl. und 1 Bein)	Orthocladiinae
80	silvestris 3♂ (1 Abd. und 1 Hyp. fehlen), 2♀	Cricotopus
81	tricinctus 1 Fragment	Cricotopus
82	trifasciatus 1♀	Cricotopus
83	amasia 3♂ (1 Exemplar ohne Abd., 1 Exemplar ohne Kopf und Beine)	Cricotopus ornatus
84	flabellatus 1♂ (Kopf und Abd. fehlen), 1♀ (ohne Abd.) 2 Arten (♂ Chironomini ♀ ?)	
85	dimidiatus 1♀	Tanytarsini
86	bicolor 1♂	Microcricotopus
87	chiopterus 1♂ (Abd. und fast alle Beine fehlen)	Orthocladiinae
88	picipes 2♂ (1 Abd. fehlt), 4♀	Orthocladiinae
89	occultans 1♀ (Kopf und 4 Beine fehlen)	Orthocladiinae
90	pusillus 3♂ (alle Abd. fehlen)	Orthocladiinae
91	confinis 1♂ (Hyp. fehlt)	Microtendipes
92	pusio 1♂ (Hyp. fehlt)	Orthocladiinae
93	stercorarius 5♂ (3 Abd. fehlen, 1♂ präpariert), 1♀	Camptocladius
94	byssinus 5♂ (2 Hyp. fehlen)	Orthocladiinae
95	rubicundus 2♂ (1 Abd. fehlt), 1♀ (Abd. fehlt)	Orthocladiinae
96	vernus 2♂ (1 Exemplar ohne Hyp., 1 Exemplar ohne Ant.), 1♀ (Abd. fehlt)	Orthocladiinae
97	junci 2♂ (1 Abd. fehlt, 1 Hyp. präpariert) 1♀	Micropsectra
98	nanus 2♂ (1 Hyp. fehlt), 2 Fragmente, 1♀ (andere Art)	Parapsectra
99	flexilis(gibbus) nicht vorhanden	
100	miniatus 1♂ (Abd. fehlt)	Orthocladiinae
101	flavimanus 1♂ (Abd. fehlt), große dunkle Art	Chironominae
102	gibbosus 1♀ (nur Thorax erhalten)	Cricotopus
103	leucopogon 1♂ (Fragment mit Fl. und Beinen)	Orthocladiinae
104	albicornis 1 Fragment mit Thorax, Fl. und Beinen	Tanytarsini
105	niveipennis 1 Fragment mit Thorax, Fl. und div. Beinen	Tanytarsini
106	punctipes 1 unbrauchbares Fragment	Phaenopsectra (nach Etikett)
107	fuscipes 1♂ (Abd. fehlt), 2♀ (1 Abd. fehlt)	Orthocladiinae
108	debilis 2♂ (1 Kopf und 1 Abd. fehlen, Hyp. präpariert)	Tanytarsus
109	campestris 2♂ (beide Abd. fehlen, 1 Antennenpaar fehlt)	Micropsectra
110	praecox 2♂ (1 zerfressenes Abd., 1 fehlender Kopf), 1 Fragment (Thorax u. 1 Fl.), (1 Hyp. präpariert)	Prodiamesa
111	intersectus nicht vorhanden	
112	minimus 4♂ (3 Abd. fehlen, Hyp. präpariert), 2♀ (Arten)	Limnophyes

113 rusticus 1♂	Chironomus
114 tibialis 1♂ (Hyp. präpariert)	Cricotopus
115 indulgens	Ceratopogonidae
116 ictericus 1♂ (Kopf und Abd. fehlen)	Orthoclaadiinae
117 sulphuricollis 1♀ (Fragment mit Thorax, Fl. und Beinen)	Chironomini
118 albipes 1♂ (Fragment, Thorax mit 1 Fl.), 1♀ (Abd. fehlt)	Tanytarsini
119 albidus 1♂ (Fragment, Thorax mit Fl.), 1♀ (Kopf und Abd. fehlen)	Tanytarsini
120 tenuis 2♂ (2 Abd. und 1 Kopf fehlen), 1♀	Paratanytarsus
121 nubilipennis 1♂ (Abd. fehlt)	Polypedilum ?
122 denigratus nicht vorhanden	
123 modestus 1 Fragment ohne Kopf und Abd.	Brillia
124 longimanus nicht vorhanden	
125 festivus 1♀	? Cricotopus
126 nubilus 1♂ (Abd. schlecht präpariert), 1♀	Stictochironomus
127 annulipes nicht vorhanden	
128 leucopus 3♂ (1 Kopf, 2 Ant., 1 Fl. und 2 Abd. fehlen, 1 Hyp. präpariert)	Polypedilum
129 vitripennis 3♂ (1 Abd. fehlt, 1 Präparat), 2♀ (1 Abd. fehlt)	Cricotopus
130 elegans 2♂ (1 Abd. fehlt), 1♀	Orthoclaadiinae
131 pallens 1♀ (Fragment, Thorax mit 1 Fl. und 1 Bein)	Glyptotendipes
132 thoracicus 1♀	Orthoclaadiinae
-- rufiventris 1♂ (präpariert)	Paratrachocladus
<u>Diamesa</u>	
133 waltli 2♀	Diamesa
<u>Tanypus</u>	
134 varius 1♀ (Abd. fehlt), 1 Fragment	Psectrotanypus
135 zonatus 1♀ (Abd. und 1 Fl. fehlen)	Tanypodinae
136 melanurus 2♂ (1 Abd. und 1 Fl. fehlen)	Zavrelimyia ?
137 nebulosus (culiciformis) 1♂, 1♀ (Abd. und 1 Fl. fehlen)	Macropelopia
138 notatus 2♂ (1 Hyp. fehlt), 1♀ (Abd. fehlt)	Macropelopia
139 carneus Präparat	Pentaneurini
140 flabellicornis 1♂ (Hyp. und Ant. fehlen)	Zavrelimyia ?
141 pallidulus 1♂ (4 Beine fehlen), 1♀ (Fl. und Abd. fehlen)	Conchapelopia
142 ferruginicollis 1♂ (3 Beine fehlen), 1♀ (Beine und Abd. fehlen)	Zavrelimyia
143 punctipennis 1♂ (präpariert)	Tanypus
144 fasciculatus (nervosus ?) 2♂ (1 Abd. fehlt), 2♀	Clinotanypus
145 laetus 1♀ (Fragment mit Thorax und Flügelrest)	Tanypodinae
146 choreus 1♀ (1 Fl. fehlt), 1 Fragment	Procladius
147 nervosus nicht vorhanden	
148 culiciformis (lineola) 1♂ (Fragment), 1♀, 1♀ (Fragment)	Procladius
149 monilis 1♂, 1♀	Ablabesmyia
150 punctatus 1♂, 1♂ (Fragment), 1♀	Natarsia

151 binotatus 2♂ (1 Präparat)	Krenopelopia
152 praecox 1♀	Diamesa
153 incarnatus 1♂ (Hyp. fehlt)	Rheopelopia
154 melanops 1♂ (präpariert), 3♀ (1 Abd. fehlt)	Conchapelopia
155 nubilus 3♀ (1♀ Thienemannimyia)	Zavrelimyia
156 vitripennis 1♂ (Abd. und Ant. fehlen)	? (keine Tanytopodine)

Literaturhinweis

Unter den in den letzten Jahren veröffentlichten Monographien verdient besondere Beachtung die 1973 erschienene Arbeit von M. HIRVENOJA : Revision der Gattung *Cricotopus* van der Wulp und ihrer Verwandten (Diptera, Chironomidae). - Ann. Zool. Fenn. 10:1-363. Wir geben hier das Autorreferat aus der Originalarbeit wieder, auch wenn die Arbeit weit mehr Informationen bringt, als hier angedeutet sind.

A taxonomic revision of the species of the genus *Cricotopus* van der Wulp and its closest relatives from the western part of the Palaearctic region is presented, and the data on the distribution and habitats of the different species are discussed. To evaluate the numerous characters studied, the adult, pupal and larval morphology of the Chironomidae has been reviewed. The aim has been to find the most suitable names and assess the homologies of many important structures in the different subgroups of the Chironomidae and in some other Nematocera.

It is suggested that a strictly monophyletic group consists of the genus *Cricotopus* (with subgen. *Cricotopus* s. str. and *Isocladius* Kieffer status n.) and its nearest relatives, the genera *Acricotopus* Kieffer, *Paratrachocladus* Santos Abreu (syn. *Syncricotopus* Brundin, syn. n.), *Paracladius* Hirvenoja (nom. nov. for *Paratrachocladus* Thienemann) and *Halocladus* s. str. subgen. n.) About 50 species from the western part of the Palaearctic region have been redescribed, mostly from new material. As far as possible, the descriptions are based on all developmental stages (larva, pupal exuviae and adult). In addition, the following 21 new species are described: *Paracladius* *quadrinodosus*, *Halocladus* (H.) *mediterraneus*, *Cricotopus* (C.) *pilidorsum*, C. (C.) *pirifer*, C. (C.) *magus*, C. (C.) *septentrionalis*, C. (C.) *claripes*, C. (C.) *tristis*, C. (C.) *beckeri*, C. (C.) *patens*, C. (C.) *coronatus*, C. (C.) *guttatus*, C. (C.) *caducus*, C. (I.) *laetus*, C. (I.) *pilicauda*, C. (I.) *relucens*, C. (I.) *suspiciosus*, C. (I.) *reversus*, C. (I.) *arcuatus*, C. (I.) *obtus* and C. (I.) *reductus*. In addition to these, C. (C.) *tokunagai* Hirvenoja is the new name for C. *bituberculatus* Tokunaga, which is a secondary homonym of *Trichocladus bituberculatus* Goetghebuer, and C. *meunieri* Hirvenoja is the new name for C. *parvulus* Meunier, which is a primary homonym of C. *parvulus* Kieffer.

In the light of present knowledge, an attempt has been made to place the species from all different parts of the world that have been ascribed to the genus *Cricotopus* up to 1970 in the genera to which they probably belong. In addition, it is suggested that a number of names existing in the literature should be regarded as nomina dubia.

Keys to the males, females, pupal exuviae and larvae are presented, as far as possible down to species level. Several hundreds of new figures of taxonomically important characteristics are presented.

Request for information

I have started work on the genus *Paracladopelma* Harnisch. This work will initially concentrate on the immature stages and may later lead to a revision. The study will include nearctic and possibly palaearctic species. I would like to know the location of associated material and type specimens particularly for the palaearctic region. Information regarding the existence of such material would be greatly appreciated.

George Jackson
3479 Lake Lansing Rd.
East Lansing, Michigan 48823
U.S.A.

INVESTIGACIONES SOBRE CHIRONOMIDOS EN CHILE

Hace algo más de 120 años que se comenzaron en Chile las investigaciones sobre chironomidos. En efecto, E. Blanchard en 1852 describió las cinco primeras especies y en 1865 R.A. Philippi aportó a las ya conocidas otra docena de especies de la fauna de chironomidos. Desde entonces y hasta los años treinta de 1900 se suman a la lista de especies otra decena de descripciones producto del trabajo de diversos científicos tales como J. Bigot, J. Kieffer, J. Bréthes y G. Enderlein, entre otros. Sin embargo, la mayoría de las especies descritas en aquellos tiempos, no pueden ser hoy día identificadas o sólo con muchas dificultades, debido a la insuficiente descripción e ilustración o por la falta de espécimen tipo.

El primer aporte taxonómico de consideración al conocimiento de la fauna de chironomidos chilenos, fue realizado por el científico F.W. Edwards en 1931, el que en base a modernos criterios de clasificación y al análisis del genero y parcial de las especies, citó alrededor de 80 especies para el sur de Chile y la Patagonia. Quince años más tarde, en relación al trabajo de Edwards, aparece el "Catálogo de los Dípteros de Chile" de C. Stuardo, en 1946, con un examen de todas las especies descritas hasta entonces.

En 1952 y 1957, W. Wirth publica dos trabajos sobre los chironomidos del Archipiélago de Juan Fernández.

Los aportes más recientes a la fauna de chironomidos de Chile, se deben a L. Brundin en 1966 y a F. Reiss en 1972, ocupándose el primero de los Podonominae, Aphroteniinae y Heptagyiinae y el segundo de los Tanytarsini. En conjunto ambos investigadores citan más de un centenar de especies nuevas para Chile y la Ciencia. El trabajo de Brundin marca un importante hito en las investigaciones sobre chironomidos de Chile y también en la aplicación práctica de los modernos Métodos Filogenéticos para determinar las relaciones de parentesco entre organismos circumpolares.

El conjunto de las aproximadamente 200 especies citadas de chironomidos que habitan las aguas continentales de Chile, puede ser porcentualmente desglosado en las Subfamilias: Podonominae 50 %; Tanypodinae 8 %, Orthoclaadiinae 29 %, Chironominae 11 % y Aphroteniinae 2 %. Sin embargo, estos valores porcentuales sólo pueden ser considerados como indicadores relativos y variables de la composición de la fauna de chironomidos de Chile, ya que a pesar de ser ésta, en opinión de F. Reiss, hasta hoy día la mejor conocida de Sudamérica, dista mucho de estar completo su estudio. Especialmente en las Subfamilias Tanypodinae, Orthoclaadiinae y Chironominae, de las cuales es posible esperar un número de especies nuevas no inferior al hasta ahora conocido.

La intensa colecta de material llevada a cabo por L. Brundin hacen altamente probable que en estos momentos se conozcan todas las especies de los grupos trabajados por él.

Una comparación a groso modo entre la composición porcentual de la fauna de chironomidos chilena con la europea - (E.J. Fittkau et al., 1967, in: Illies, J. (ed.) Limnofauna Europea, G. Fischer Verlag, Stuttgart) - en la que los Podonominae no alcanzan al 1 % sobre un total de 1523 especies, contrasta con el porcentaje (50 %) que presenta esta Subfamilia en Chile. Esto vendría a demostrar una vez más el marcado endemismo que junto a algunas singularidades morfológicas, que entre los chironomidos se encuentran en el Genero Rhinocladius, con su larga proboscis, caracterizan en general a la fauna de Chile. En razón de esto parece aconsejable la revisión a nivel de Genero de por lo menos el 40 % de las especies hasta ahora descritas, especialmente en los grupos Tanypodinae, Orthoclaadiinae y Chironomini. Sin embargo, para ello es previamente necesario completar el estudio y descripción de la metamorfosis de la gran mayoría de las especies citadas hasta hoy. Sólo con el análisis preciso de las características de los tres estados de las especies, se haría más factible dicha tarea.

Es preocupación del autor realizar en el futuro aportes en este sentido y para lo cual realiza actualmente un período de perfeccionamiento junto a los Drs. E.J. Fittkau y F. Reiss, en el Max-Planck-Institut für Limnologie en Plön, Alemania, con especial interés en la Subfamilia Tanypodinae, con ello espera hacer posible estudios ecológicos relacionados con chironomidos en las aguas continentales, generosamente abundantes, en el sur de Chile.

La casi totalidad de la literatura relativa a los chironomidos chilenos esta citada en la obra de L. Brundin, 1966. "Transantarctic relationships and their significance, as evidenced by Chironomid midges. With a monograph of the Subfamilies Podonominae and Aphroteniinae and the Austral Heptagyiinae." K. svenska Vetensk. Akad. Handl. 11 (1):1 - 472. Stockholm.

Una bibliografía completa sobre Chironomidae del sur de Sudamérica ha sido preparada por F. Reiss y se espera su aparición en "Bibliografías Taxonómicas de la Flora y Fauna de Aguas Continentales del Sur de Sudamérica" a cargo de S. H. Hurlbert, San Diego, California.

J. N. Arenas, Valdivia, Chile
Instituto de Zoología, Universidad Austral

DIVERSA

Zum erfolgreichen Abschluß ihres Dr.-Examens beglückwünschen wir folgende Kollegen:

Claude Dejoux, Université Paris Sud:

"Synécologie des Chironomides du Lac Tschad (Diptères-Nématocères)". 1974

Dean Cyrus Hansen, University of Minnesota, St. Paul:

"Systematics and morphology of the nearctic species of *Diamesa* Meigen, 1835 (Diptera:Chironomidae)." 1973

Friedhelm Ringe, Christian-Albrechts-Universität Kiel:

"Chironomiden-Emergenz 1970 in Breitenbach und Rohrwiesenbach." 1973

Amele R. Sponis, Carleton University Ottawa:

"A Revision of the Nearctic Species of *Orthocladius* (*Orthocladius*) van der Wulp (Kieffer)." 1974

Dirk-Heinrich Stechmann, Christian-Albrechts-Universität Kiel:

"Biologisch-ökologische Untersuchungen zum Entwicklungszyklus einheimischer *Arrenurus*-Arten (*Hydrachnellae*, *Acari*)." 1975

Jean-Noel Tourenq, Université Paul Sabatier de Toulouse:

"Recherches ecologiques sur les Chironomides (Diptera) de Camargue." 1975

Adressen: Änderungen und Ergänzungen

ELFENBEINKÜSTE

DEJOUX, Dr. C.,
O.R.S.T.O.M. Laboratoire
d'Hydrobiologie
B.P. 1434, Bouaké,
Côte d'Ivoire, Afrika

ENGLAND

CARTER, Dr. C.
Limnology Laboratory,
Traad Point, Drumenagh,
Magherafelt, Co. Derry.

INDIEN

KULSHRESTHA, A.K.,
School of Entomology,
St. John's College,
Agra - 282002 (U.P.)

NIEDERLANDE

PARMA, Dr. S.,
Delta Institute for
Hydrobiological Research,
Vierstraat 28,
Yerseke

SPANIEN

STOCKERT, Dr. J.C.
Departamento de Citologia
Instituto de Biologia Celular
Velázquez 144
Madrid - 6

USA

BAY, E.C.,
Superintendent,
Western Washington,
Research & Extension Center,
Pioneer Way,
Puyallup, WA 98371

ENGLISH, Prof. Dr. D.S.,
Northern Arizona Univ.,
Dept. of Biological Sciences,
Box 5640, Flagstaff,
Arizona 86001

WINGO, P.S.,
Biologist,
Duke Power Company
Environmental Laboratories
Rt. 3, Box 90
Huntersville, N. C. 28078

CHIRONOMUS-Mitteilungen aus der Chironomidenkunde. - Erscheint mehrmals jährlich. Herausgegeben von E.J. Fittkau und F. Reiss, Max-Planck-Institut für Limnologie, Abt. Tropenökologie, 232 Plön, Postfach 165, Deutschland (BRD).
