

*A catalog of
Nearctic
Chironomidae*

*Catalogue des
Chironomidae
de la région
néarctique*



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Cover

Adult male of *Chironomus plumosus* (Linnaeus)

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Couverture

Mâle adulte du *Chironomus plumosus* (Linnaeus)

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INTRODUCTION

Adults of the family Chironomidae are commonly called chironomids, midges, nonbiting midges, or chironomid midges, and the red larvae of some groups are called bloodworms. Chironomid larvae occur in all types of aquatic and semiaquatic habitats and to a lesser extent in brackish and marine waters, and semiterrestrial and terrestrial habitats. Aquatic ecosystems are usually dominated by larval chironomids, in terms of number of species, biomass, or both. They are important in the breakdown of organic material and recycling nutrients, as food for fish, birds, and both terrestrial and aquatic invertebrates, and as predators of aquatic invertebrates. Some species can tolerate the most polluted conditions, whereas others have very special requirements and quickly disappear when their habitat is stressed. Thus the Chironomidae have exceptional potential to act as biological indicators of aquatic environmental health.

The family is distributed around the world, occurring in all zoogeographical regions, including Antarctica. Currently 10 subfamilies and 24 tribes (Ashe 1983) are recognized, of which 7 subfamilies and 14 tribes occur in the Nearctic region. A minimum of 5000 species are found around the world and at least 2000 of these in the Nearctic region.

The nonspecialist was faced, until recently, with two generic classifications. This dual system arose during the first half of this century, because one group of workers principally emphasized the immature stages and the other emphasized adults. Pinder (1983) gives a brief history of the development of the two systems and their reconciliation. Reconciliation of the two systems has culminated in the classification used in the three volumes of the *Chironomidae of the Holarctic region* edited by Wiederholm (1983, 1986, 1989) and that classification is used herein.

The last catalog of Nearctic Chironomidae (Sublette and Sublette 1965) was published about 25 years ago. The intervening years has been a period of intense chironomid research, including much taxonomic and ecological study. The following table shows the increase in the number of valid generic- and species-level names between 1965 and 1989.

	Sublette and Sublette 1965	Oliver, Dillon and Cranston 1990
Genera	63	205
Species	601	1051

The need for an updated catalog of Nearctic Chironomidae is evident.

Accordingly we have prepared a catalog of the taxa of Chironomidae recorded from the Nearctic region, with information on their distribution and relevant literature. This catalog is based only on published data to the end of 1989; it does not include unpublished data in collections, such as the Canadian National Collection of Insects. We have attempted to list all published names, valid or not, that have been used in the literature pertaining to the Nearctic region. A few older faunal lists (Leonard 1928; Johnson 1925; Brimley 1938; Petch and Maltais 1932) are not included because they contain many obviously incorrect determinations. As the taxa are presented uncritically in their most recently published taxonomic position, it should not be construed that we are in agreement with all the taxonomic placements.

This catalog will be continuously updated with periodic publication of additions and corrections. To assist us in keeping an updated list, we request any errors or omissions, and copies of publications with information on taxonomy and distribution of Nearctic Chironomidae, be sent to either of the first two authors.

FORMAT

The arrangement of names is alphabetical, except for the subfamily-group names which follow the phylogenetic arrangement of the Holarctic Chironomidae volumes. Species-group names follow the subfamily, tribe, genus, and subgenus headings (not all groups have been assigned tribes or subgenera). The first occurrence of all valid names are printed in **boldface type** along the left margin of each column. Valid taxa that have been incorrectly reported from the Nearctic region are also listed along the left margin but they are printed in *italics* as are all other listing of names, valid or invalid.

Citations for genus-group names are arranged as in the following example.

Genus NANOCLAUDIUS Kieffer*Nanocladius* Kieffer, 1913d: 31.Type-species, *vitellinus* Kieffer
(orig. des.).*Microcricotopus* Thienemann &

Harnisch, 1932: 137.

Type-species, *Cricotopus albicornis* Goetghebuer
(Goetghebuer in Goetghebuer &
Lenz, 1944: 114) = *Chironomus bicolor* Zetterstedt.**Subgenus Nanocladius Kieffer**

The original citation is given in the second line, indented, followed by synonyms (if any), also indented. The genus name is followed by the original author, date, page, name of type-species, and nature of type fixation. The original type-species combination is cited, but the generic name is omitted if it is the same as the genus for which it is the type. If the original type-species is now a junior synonym, it is given at the end following an equal symbol (=). Only the authors of subsequent type fixation are cited. Much of the information about type fixation and synonyms has been obtained from Ashe (1983). This publication has detailed information on generic synonymy, type-species, and nomenclatorial problems. Subgeneric-name citation format follows that of the generic citations. Citations for nominate subgenera are omitted when they are the same as the generic citations; otherwise they follow the format of generic citations.

Species-group names are arranged as follows:

triannulatus. Sask., Ont. to N.Y., s. to Ky. and Del.; PA.

Chironomus triannulatus Macquart,
1826: 202.—Germany.

Cricotopus exilis Johannsen, 1905:
255.—N.Y.

The species name is followed by a synoptic account of the Nearctic region distribution stated by territory, province, or state in a northwest to northeast and southwest to southeast pattern, except for Greenland. Occurrence in other zoogeographical regions are listed next, separated by a semicolon. When a Mexican locality record occurs near the uncertain division between Nearctic and Neotropical regions, it is listed as occurring in both Mexico and the Neotropical region. The

original binomial citation is next, followed by subspecies or varieties and then synonyms (if any), which are cited in their original form with author, date, page, and type-locality. Type-localities for Canada and the United States are listed by province, territory or state; all others are listed by country or larger geographical regions where country is not known.

ABBREVIATIONS

The abbreviations used are as follows:

General

&— and

e., E.— east, eastern

emend.— emended

I., Is.— Island, Islands

ICZN— International Commission
on Zoological Nomenclature

misident.— misidentification

mon.— monotypy

nam.— name

n. nam.— new name

nom. nud.— nomen nudum

orig. des.— original designation

preocc.— preoccupied

s., S.— south, southern

se., Se.— southeast, southeastern

sub. mon.— subsequent monotypy

subg.— subgenus

syn.— synonym, synonymy

var.— variety

w.— west, western

Geographical Names

AF.— Afrotropical Region

Ala.— Alabama

Alas.— Alaska

Alta.— Alberta

Amer.— America

Ariz.— Arizona

Ark.— Arkansas

AU.— Australasian Region

Baja Calif.— Baja California

B.C.— British Columbia

Calif.— California

Can.— Canada

Colo.— Colorado

Conn.— Connecticut

D.C.— District of Columbia

Del.— Delaware

Fla.— Florida

Ga.— Georgia

Grld.— Greenland

Ill.— Illinois

Ind.— Indiana

Kans.— Kansas

Ky.— Kentucky

Ky.— Kentucky
La.— Louisiana
Labr.— Labrador
Man.— Manitoba
Mass.— Massachusetts
Md.— Maryland
Mex.— Mexico
Mich.— Michigan
Minn.— Minnesota
Miss.— Mississippi
Mo.— Missouri
Mont.— Montana
N.B.— New Brunswick
N.C.— North Carolina
N. Dak.— North Dakota
NE.— Nearctic Region
Nebr.— Nebraska
Nev.— Nevada
Nfld.— Newfoundland
N.H.— New Hampshire
N.J.— New Jersey
N. Mex.— New Mexico
N.S.— Nova Scotia
NT.— Neotropical Region
N.W.T.— Northwest Territories
N.Y.— New York
Okla.— Oklahoma
Ont.— Ontario
OR.— Oriental Region
Oreg.— Oregon
PA.— Palaearctic Region
Pa.— Pennsylvania
P.E.I.— Prince Edward Island
Qué.— Québec
R.I.— Rhode Island
Sask.— Saskatchewan
S.C.— South Carolina
S. Dak.— South Dakota
Tenn.— Tennessee
Tex.— Texas
U.S.A.— United States of America
U.S.S.R.— Union of Soviet Socialist
 Republics
Va.— Virginia
Vt.— Vermont
Wash.— Washington
Wis.— Wisconsin
W. Va.— West Virginia
Wyo.— Wyoming
Y.T.— Yukon Territory

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We gratefully acknowledge Mr. B. Caldwell for checking several drafts. The late Dr. Sam Roback checked an early draft of the subfamily Tanypodinae. We thank Mr. L. Speers for formatting the manuscript for printing, and Ms. L. Robillard for typing some of the references.

INTRODUCTION

Les adultes de la famille des chironomidés sont communément appelés chironomes ou moucherons et les larves d'un rouge sang de certains groupes sont les vers de vase utilisés par les pêcheurs. On trouve des larves de chironomidés dans tous les types d'habitats aquatiques et semi-aquatiques et, dans une moindre mesure, dans les eaux saumâtres ou marines de même que dans les habitats semi-terrestres et terrestres. Les écosystèmes aquatiques sont habituellement dominés par les formes larvaires, en ce qui touche le nombre d'espèces, la biomasse ou les deux. Ces insectes jouent un rôle important dans la dégradation de la matière organique et le recyclage des éléments nutritifs ou comme nourriture pour les poissons, les oiseaux ainsi que les invertébrés tant terrestres qu'aquatiques ou encore comme prédateurs des invertébrés aquatiques. Certaines espèces peuvent tolérer des conditions de pollution extrême, alors que d'autres, très spécialisées, disparaissent rapidement quand leur habitat est menacé. Les chironomidés possèdent donc un potentiel exceptionnel comme indicateurs biologiques de la santé du milieu aquatique.

Cette famille, de répartition mondiale, est présente dans toutes les régions zoogéographiques, y compris l'Antarctique. On reconnaît actuellement 10 sous-familles et 24 tribus (Ashe 1983), dont 7 sous-familles et 14 tribus dans la région néarctique. La planète compte un minimum de 5 000 espèces dont au moins 2 000 dans cette région-là.

Jusqu'à récemment, le profane se retrouvait devant deux classifications génériques. Ce double système a pris forme au cours de la première moitié du siècle, un groupe de chercheurs ayant mis l'accent sur les stades immatures et l'autre sur les adultes. Pinder (1983) trace un bref historique du développement des deux systèmes et de leur rapprochement. La réconciliation des deux systèmes a atteint un point culminant dans la classification utilisée dans les trois volumes de *Chironomidae of the Holarctic region* édité par Wiederholm (1983, 1986, 1989), et c'est cette classification que l'on utilise dans le présent ouvrage.

Le dernier inventaire des chironomidés néarctiques (Sublette et Sublette 1965) a été publié il y environ 25 ans. Les années qui suivirent furent une période de recherches intenses sur les chironomidés, surtout leur taxinomie et leur écologie. Le tableau

suivant montre la multiplication des noms valide au niveau des genres et des espèces entre 1965 et 1989.

Sublette et Sublette 1965	Oliver, Dillon et Cranston 1990
Genres	63
Espèces	205
	1051

La nécessité d'un inventaire à jour des chironomidés est évidente.

C'est pourquoi nous avons dressé un répertoire des taxons des chironomidés dont la présence a été signalée dans la région néarctique, assorti d'informations sur leur répartition et la documentation pertinente. Ce catalogue n'est fondé que sur des données publiées jusqu'à la fin de 1989 et ne comprend pas les données non publiées que l'on trouve dans les collections comme l'Insectarium national canadien. Nous avons essayé d'énumérer tous les noms publiés, valides ou pas, qui ont été mentionnés dans la documentation relative à la région néarctique. Quelques vieilles listes fauniques (Leonard 1928; Johnson 1925; Brimley 1938; Petch et Maltais 1932) n'ont pas été prises en considération parce qu'elles contiennent de nombreuses appellations qui sont hors de tout doute incorrectes. Comme les taxons sans commentaires dans leur dernière position taxinomique publiée, il ne faudrait pas en conclure que nous y souscrivons dans tous les cas.

Le présent inventaire sera continuellement tenu à jour par la publication périodique d'ajouts et de corrections. Pour nous aider dans cette tâche, nous vous saurions gré de faire part à l'un ou l'autre des deux premiers auteurs nommés des erreurs ou des omissions qui auraient pu s'y glisser et de leur envoyer des exemplaires de publications contenant de l'information sur la taxinomie et la répartition des chironomidés.

MODE DE PRÉSENTATION

Les noms apparaissent en ordre alphabétique, sauf que ceux des groupes de sous-familles suivent l'organisation phylogénique des volumes sur les chironomidés holarctiques. Les noms des groupes d'espèces suivent les titres des sous-familles, tribus, genres et sous-genres (à

noter que ce ne sont pas tous les groupes qui se sont fait assigner des tribus et des sous-genres). La première fois qu'un nom valide apparaît, il est imprimé en caractères gras près de la marge de gauche de chaque colonne. Les taxons valides qui ont été signalés à tort comme de la région néarctique sont aussi énumérés le long de la marge de gauche, mais en *italique*, comme le sont d'ailleurs toutes les autres listes de noms, valides ou non.

Les citations pour les noms de groupes de genres se présentent comme suit :

Genus NANOCCLADIUS Kieffer

Nanocladius Kieffer, 1913d: 31.

Type-species, *vitellinus* Kieffer
(orig. des.).

Microcricotopus Thienemann &
Harnisch, 1932: 137.

Type-species, *Cricotopus*
albicornis Goetghebuer
(Goetghebuer in Goetghebuer &
Lenz, 1944: 114) = *Chironomus*
bicolor Zetterstedt.

Subgenus Nanocladius Kieffer

La citation originale se trouve sur la deuxième ligne, en retrait, suivie des synonymes (s'il y a lieu), eux aussi en retrait. Le nom du genre est suivi du nom de l'auteur original, de la date, de la page, du nom de l'espèce type et de la nature de la fixation du type. L'espèce type originale est mentionnée, mais le genre est omis s'il est identique à celui dont elle est le type. Si le nom de l'espèce type originale est par contre un synonyme mineur, il apparaît à la fin après un symbole d'égalité (=). Seuls les auteurs de fixation de type ultérieure sont mentionnés. Une grande partie des informations sur la fixation des types et les synonymes sont tirées de Ashe (1983). Cette publication contient des renseignements détaillés sur la synonymie générique, les espèces types et les problèmes de nomenclature. Les citations des noms des sous-genres suivent celles des genres, sauf s'il s'agit de répétition (dans ce cas, elles sont alors omises).

Les noms des groupes d'espèces se présentent comme suit :

triannulatus. Sask., Ont. to N.Y., s. to
Ky. and Del.; PA.

Chironomus triannulatus Macquart,
1826: 202.—Germany.

Cricotopus exilis Johannsen, 1905:
255.—N.Y.

Le nom de l'espèce est suivi d'un compte rendu synoptique de la répartition dans la région néarctique indiquée par le territoire, la province ou l'État, dans le sens nord-ouest à nord-est et sud-ouest à sud-est, sauf pour le Groenland. L'apparition de l'espèce dans d'autres régions zoogéographiques est énumérée ensuite et séparée par un point-virgule. Quand l'apparition d'une espèce est indiquée dans une région du Mexique située près de la division imprécise entre les régions néarctique et néotropicale, elle est indiquée comme observable tant au Mexique que dans la région néotropicale. La citation binomiale originale apparaît ensuite, suivie des sous-espèces ou variétés, puis des synonymes (s'il y a lieu), qui sont mentionnés sous leur forme originale accompagnés du nom de l'auteur, de la date, de la page et de l'emplacement type. Les emplacements types pour le Canada et les États-Unis sont indiqués selon les frontières des provinces, des territoires ou des États; tous les autres suivent les frontières des pays ou encore des grandes régions géographiques si celui-ci n'est pas connu.

ABRÉVIATIONS

Les abréviations utilisées sont les suivantes :

Généralités

&— et

e., E.— est, de l'est, orientale
emend.— corrigé

I., Is.— île, îles

ICZN.— Commission internationale de
nomenclature zoologique

misident.— erreur d'identification

mon.— monotypie

nam.— nom

n. nam.— nouveau nom

nom. nud.— nom seul

orig. des.— désignation originale

preocc.— déjà appliquée

s., S.— sud, du sud, méridional

se., Se.— sud-est, du sud-est

sub. mon.— monotypie ultérieure

subg.— sous-genre

syn.— synonyme, synonymie

var.— variété

w.— ouest, de l'ouest, occidental

Noms géographiques
 AF.— région afrotropicale
 Ala.— Alabama
 Alas.— Alaska
 Alta.— Alberta
 Amer.— Amérique
 Ariz.— Arizona
 Ark.— Arkansas
 AU.— région australasienne
 Baja Calif.— Basse-Californie
 B.C.— Colombie-Britannique
 Calif.— Californie
 Can.— Canada
 Colo.— Colorado
 Conn.— Connecticut
 D.C.— District de Columbia
 Del.— Delaware
 Fla.— Floride
 Ga.— Géorgie
 Grld.— Groenland
 Ill.— Illinois
 Ind.— Indiana
 Kans.— Kansas
 Ky.— Kentucky
 La.— Louisiane
 Labr.— Labrador
 Man.— Manitoba
 Mass.— Massachusetts
 Md.— Maryland
 Mex.— Mexique
 Mich.— Michigan
 Minn.— Minnesota
 Miss.— Mississippi
 Mo.— Missouri
 Mont.— Montana
 N.B.— Nouveau-Brunswick
 N.C.— Caroline du Nord
 N. Dak.— Dakota du Nord
 NE.— région néarctique
 Nebr.— Nebraska
 Nev.— Nevada
 Nfld.— Terre-Neuve
 N.H.— New Hampshire
 N.J.— New Jersey
 N. Mex.— Nouveau-Mexique
 N.S.— Nouvelle-Écosse
 NT.— région néotropicale
 N.W.T.— Territoires du Nord-Ouest
 N.Y.— New York
 Okla.— Oklahoma
 Ont.— Ontario
 OR.— région orientale
 Oreg.— Oregon
 PA.— région paléarctique
 Pa.— Pennsylvanie
 P.E.I.— île-du-Prince-Édouard
 Qué.— Québec

R.I.— Rhode Island
 Sask.— Saskatchewan
 S.C.— Caroline du Sud
 S. Dak.— Dakota du Sud
 Tenn.— Tennessee
 Tex.— Texas
 U.S.A.— États-Unis d'Amérique
 U.S.S.R.— Union des Républiques Socialistes Soviétiques
 Va.— Virginie
 Vt.— Vermont
 Wash.— Washington
 Wis.— Wisconsin
 W. Va.— Virginie de l'Ouest
 Wyo.— Wyoming
 Y.T.— Territoire du Yukon

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FAMILY CHIRONOMIDAE

Subfamily TELMATOGETONINAE

Genus TELMATOGETON Schiner

- Telmatogeton* Schiner, 1866: 931.
Type-species, *sanctipauli* Schiner (orig. des.).
Paraclunio Kieffer, 1911b: 103.
Type-species, *trilobatus* Kieffer (orig. des.).

alaskensis. Alas. s. to Calif.; Mex.

Telmatogeton alaskensis Coquillett, 1900: 395.—Alas.

japonicus. Coastal, N.Y., s. to Miss.; PA.; NT.; OR.; AU.

Telmatogeton japonicus Tokunaga, 1933: 95.—Japan.

macswaini. Calif.

Telmatogeton macswaini Wirth, 1949: 170.—Calif.

spinosus. Calif.

Paraclunio spinosus Hashimoto, 1973: 266.—Calif.

trilobatus. Oreg., Calif.

Paraclunio trilobatus Kieffer, 1911b: 105.—Calif.

Genus THALASSOMYA Schiner

- Thalassomya* Schiner, 1856: 219.
Type-species, *frauendorfii* Schiner (mon.).

bureni. Ky., N.C., s. to Miss. & Fla.; NT.

Thalassomya bureni Wirth, 1949: 167.—Fla.

Subfamily PODONOMINAE

Tribe BOREOCHLINI

Genus BOREOCHLUS Edwards

- Boreochlus* Edwards in Edwards & Thienemann, 1938: 152. Type-species, *thienemanni* Edwards (orig. des.).

gracilistylus. Alas., Alta., Wash., Wyo.

Boreochlus gracilistylus Brundin, 1966: 304.—Alta.

persimilis. Alas. to Qué., Calif. to Va.

Trichotanypus persimilis Johannsen, 1926: 99.—N.Y.

sinuaticornis. Wash., Mont., Calif.

Boreochlus sinuaticornis Brundin, 1966: 305.—Calif.

Genus LASIODIAMESA Kieffer

- Lasiodiamesa* Kieffer, 1924b: 48 (as subg. of *Syndiamesa* Kieffer, 1918a).
Type-species, *Syndiamesa gracilis* Kieffer (orig. des.).

arietina. Ont., Qué., Wis., N.Y.

Tanypus arietinus Coquillett, 1908: 144.—N.Y.

brusti. N.W.T., Wyo., Minn.

Lasiodiamesa brusti Sæther, 1969: 15.—N.W.T.

rawsoni. Sask.

Lasiodiamesa rawsoni Brundin, 1966: 325.—Sask.

tenebrosa. Alas., N.W.T., B.C., Minn., N.H.

Tanypus tenebrosus Coquillett, 1905: 66.—N.H.

Linacerus piloala Garrett, 1925a: 9.—B.C.

Lasiodiamesa nearctica Brundin, 1966: 326.—N.W.T.

sphagnicola. Ont.; PA.

Isoplastus sphagnicola Kieffer, 1925c: 16.—U.S.S.R.

Genus PARABOREOCHLUS Thienemann

- Paraboreochlus* Thienemann, 1939: 166.
Type-species, *Tanypus minutissimus* Strobl (orig. des.).

stahli. Pa., Kans.

Paraboreochlus stahli Coffman in Coffman, Ferrington & Seward, 1988: 192.—Pa.

Genus TRICHIOTANYPUS Kieffer

- Trichotanypus* Kieffer, 1906a: 42.
Type-species, *Tanypus posticalis* Lundbeck (mon.).

alaskensis. Alas.

Trichotanypus alaskensis Brundin, 1966: 315.—Alas.

foliaceus. Alas.

Trichotanypus foliaceus Wirth & Sublette, 1970: 343.—Alas.

hansenii. Wyo.

Trichotanypus hansenii Wirth & Sublette, 1970: 347.—Wyo.

mariae. Alas.

Trichotanypus mariae Wirth & Sublette, 1970: 345.—Alas.

posticalis. N.W.T., Grld.; PA.

Tanypus posticalis Lundbeck, 1898: 295.—Grld.

Tribe PODONOMINI

Genus PAROCHLUS Enderlein

Parochlus Enderlein, 1912: 109.

Type-species, *fuegianus* Enderlein (orig. des.).

Paratanypus Garrett, 1925a: 8.

Type-species *kiefferi* Garrett (orig. des.).

kiefferi. Alas. to N.B., s. to Calif. & N. Mex., Grld.; PA.

Paratanypus kiefferi Garrett, 1925a: 8.—B.C.

Tanypus tibialis Staeger, 1845: 354 (preocc. Say, 1823).—Grld.

Podonomus peregrinus Edwards, 1929: 296.—Scotland.

Subfamily TANYPODINAE

Tribe COELOTANYPODINI

Genus CLINOTANYPUS Kieffer

Clinotanypus Kieffer, 1913c: 157.

Type-species, *Procladius fuscosignatus* Kieffer (Sublette & Sublette, 1965: 145).

Subgenus APONTEUS Roback

Aponteus Roback, 1971: 25. Type-species, *Clinotanypus sabensis* Roback (orig. des.).

sabensis. Tex.

Clinotanypus sabensis Roback, 1971: 25.—Tex.

Subgenus CLINOTANYPUS Kieffer

aureus. Kans., La., Fla.

Clinotanypus aureus Roback, 1971: 25.—La.

pinguis. Man., Ont., widespread U.S.A.

Tanypus pinguis Loew, 1861a: 308.—N.Y.
Tanypus flavicinctus Loew, 1861a: 309.—Pa.

Tanypus thoracicus Loew, 1866: 4.—D.C.

Procladius caliginosus Johannsen, 1905:

131.—N.Y.

planus. Fla.

Clinotanypus planus Roback, 1971: 24.—Fla.

wirthi. Fla.

Clinotanypus wirthi Roback, 1971: 24.—Fla.

Genus COELOTANYPUS Kieffer

Coelotanypus Kieffer, 1913c: 154.

Type-species, *Tanypus humeralis* Loew (orig. des.).

atus. Kans., La., Tex., Mex.; NT.

Coelotanypus atus Roback, 1971: 37.—Tex.

concinus. Ill., Neb. to Pa., s. to N. Mex. & Fla.

Tanypus concinnus Coquillett, 1895: 308.—Fla.

Coelotanypus flavus Kieffer, 1923a: 296.—Tex.

naelis. Tex.; NT.

Coelotanypus naelis Roback, 1963b: 170.—Surinam.

scapularis. Ont., Ohio, e. U.S.A., s. to N. Mex., Kans., Tex., Mex.; NT.

Tanypus scapularis Loew, 1866: 2.—D.C.

tricolor. Kans., Ill., N. Mex. to N.C., s. to Fla.

Tanypus tricolor Loew, 1861a: 309.—N.Y.

Tribe MACROPELOPIINI

Genus ALOTANYPUS Roback

Alotanypus Roback, 1971: 95.

Type-species, *Tanypus venustus* Coquillett (orig. des.).

aris. N.H., W. Va., N.C., S.C., Ala., Ga.

Alotanypus aris Roback, 1971: 97.—N.C.

venusta. Wash., Wyo., Utah, Calif. to N. Mex.

Tanypus venustus Coquillett, 1902b: 91.—N. Mex.

Genus APSECTROTANYPUS Fittkau

Apsectrotanypus Fittkau, 1962: 141.

Type-species, *Tanypus trifascipennis* Zetterstedt (orig. des.).

algens. Alas., Alta., Wash., Oreg.

Tanypus algens Coquillett, 1902b: 90.—Alas.

- florens.** Alta., Man., Wash., Wyo., Calif., Nev., Colo., Ariz.
Tanypus florens Johannsen, 1908: 272.—Colo., Wash., N.Y.
- johnsoni.** Sask., Qué., N.H., N.J., N.C., S.C., Fla.
Tanypus johnsoni Coquillett, 1901b: 609.—N.J.

- Genus BETHBILBECKIA** Fittkau & Murray
Bethbilbeckia Fittkau & Murray, 1988: 253. Type-species, *floridensis* (orig. des.).

- floridensis.** Fla.
Bethbilbeckia floridensis Fittkau & Murray, 1988: 254.—Fla.

- Genus BRUNDINIELLA** Roback
Brundiniella Roback, 1978b: 141 (n. nam. for *Brundinia* Roback).
Brundinia Roback, 1978a: 168 (preocc. Tottenham, 1949). Type-species, *Anatopynia eumorpha* Sublette (orig. des.).

- eumorpha.** Ont., Wash. to Pa., s. to Calif. & W. Va.
Anatopynia eumorpha Sublette, 1964a: 107.—Calif.

- Genus DEROTANYPUS** Roback
Derotanypus Roback, 1971: 91.
 Type-species, *Anatopynia aclines* Sublette (orig. des.).
Merotanypus Roback, 1971: 94.
 Type-species, *Tanypus alaskensis* Malloch (orig. des.).

- aclines.** Alas., Wash., Oreg., Idaho, Utah, Wyo., Calif., Nev.
Anatopynia aclines Sublette, 1964a: 104.—Calif.
Derotanypus aclines var. *aclines* Roback, 1971: 93.—Utah, Wyo.
alaskensis. Alas. to N.W.T., B.C. to Man.
Tanypus alaskensis Malloch, 1919: 35.—Alas.
Anatopynia centralis Malloch, 1934: 13.—N.W.T.

- Genus FITTKAUIMYIA** Karunakaran
Fittkauimyia Karunakaran, 1969: 75.
 Type-species, *disparipes* (orig. des.).
Parapelopia Roback, 1971: 91.
 Type-species, *serta* Roback (mon.).

- serta.** Fla.
Parapelopia sertata Roback, 1971: 91.—Fla.

- Genus MACROPELOPIA** Thienemann
Macropelopia Thienemann in Thienemann & Kieffer, 1916: 497. Type-species, *Isoplatus bimaculatus* Kieffer (orig. des.) = *Tanypus nebulosus* Meigen.

- decedens.** B.C. to Qué. & R.I., Utah, Wyo., Colo., Ky., N.C., s. to Miss. & Fla.
Tanypus decedens Walker, 1848: 22.—Ont.
Tanypus hirtipennis Loew, 1866: 5.—Maine.
Anatopynia dena Roback in Sublette & Sublette, 1965: 145 (n. nam. for *Anatopynia brunnea* Roback, 1955: 2, preocc. Edwards, 1931).—Mass.

- Genus PSECTROTANYPUS** Kieffer
Psectrotanypus Kieffer, 1909: 42.
 Type-species, *brevicalcar* Kieffer (Fittkau, 1962: 129) = *Tipula varia* Fabricius.

- discolor.** Wash., Wis., N.H., S.C.
Tanypus discolor Coquillett, 1902b: 89.—N.H.
dyari. B.C. to Ont., s. to Calif. & Fla.
Tanypus dyari Coquillett, 1902a: 85.—Mich.
Tanypus guttularis Coquillett, 1902b: 92.—Wash.
Tanypus garretti Walley, 1925: 275.—B.C.
pictipennis. Grd.; PA.
Tanypus pictipennis Zetterstedt, 1838: 818.—Grd.

- Genus RADOTANYPUS** Fittkau & Murray
Radotanypus Fittkau & Murray, 1985: 209.
 Type-species, *Anatopynia submarginella* Sublette (orig. des.).

- submarginella.** Oreg., Calif., Colo., Wyo.
Anatopynia submarginella Sublette, 1964a: 103.—Calif.

Tribe NATARSIINI**Genus NATARSIA Fittkau**

Natarsia Fittkau, 1962: 151. Type-species, *Chironomus punctatus* Fabricius (orig. des.).

miripes. Calif.

Tanytarsus miripes Coquillett, 1905: 65.—Calif.

baltimoreus. N.W.T., e. of Rockies to Kans. & Fla.

Tanytarsus baltimoreus Macquart, 1855: 35.—Md.

Ablabesmyia fastuosa Johannsen, 1905: 153.—N.Y.

Tribe PENTANEURINI**Genus ABLABESMYIA Johannsen**

Ablabesmyia Johannsen, 1905: 135. Type-species, *Tipula monilis* Linnaeus (Johannsen, 1907a: 400).

Subgenus ABLABESMYIA Johannsen

aspera. B.C. to Maine, s. to Calif. to Fla. *Pentaneura aspera* Roback, 1959a: 124.—Maine.

Pentaneura gera Roback, 1959a: 126.—N.H.

hauberi. Man., Ont., N.Y., Pa., N.J., Ky., s. to Miss. & Fla.

Ablabesmyia hauberi Beck & Beck, 1966: 329.—Fla.

janta. N.W.T., Md., Pa., Tenn., S.C., Okla., Tex., Ga., Fla.

Pentaneura janta Roback, 1959a: 131.—Md.

johannseni. Ill.

Pentaneura johannseni Roback, 1959a: 131.—Ill.

mallochi. Widespread NE.

Tanytarsus mallochi Walley, 1925: 273.—Ont. *Pentaneura auriensis* Roback, 1957a: 39.—Pa.

Pentaneura aequifasciata Dendy & Sublette, 1959: 507.—Ala.

Ablabesmyia ornata Beck & Beck, 1966: 328.—Fla.

Ablabesmyia tarella Roback, 1971: 368.—Fla.

monilis. Widespread NE.; PA.; OR.

Tipula monilis Linnaeus, 1758: 587.—'Europe'.

Ablabesmyia monilis var. *nigra* Roback, 1971: 378.—Ariz.

Tanytarsus basalis Walley, 1925: 273.—Ont.

Ablabesmyia americana Fittkau, 1962: 430 (n. nom. for *Tipula monilis*, Johannsen, 1905: 142, not Linnaeus 1758, misident.).

parajanta. Ont., N.Y., Neb. to Pa., s. to Miss. & Fla.

Ablabesmyia parajanta Roback, 1971: 373.—S.C.

rasha. N.H.

Ablabesmyia rasha Roback, 1971: 371.—N.H.

rhamphe. Minn. to Ohio, s. to N. Mex. & Fla.

Ablabesmyia rhamphe Sublette, 1964b: 114.—La.

simpsoni. N.Y., Pa., S.C.

Ablabesmyia simpsoni Roback 1985: 188.—N.Y.

Subgenus ASAYIA Roback

Asayia Roback, 1985: 177. Type-species *Tanytarsus annulatus* (orig. des.).

annulata. Sask. to Qué., s. to Calif. & Fla.

Tanytarsus annulatus Say, 1823: 15.—Pa.

Subgenus KARELIA Roback

Karelia Roback, 1971: 357. Type-species, *Tanytarsus illinoensis* Malloch (orig. des.).

alaskensis. Alas.

Ablabesmyia alaskensis Roback, 1971: 360.—Alas.

cinctipes. Calif., Nev., Ariz., N. Mex., Ky., s. to Miss. & Fla.

Pentaneura cinctipes Johannsen, 1946: 271.—Fla.

idei. Ont., N.Y., Pa., S.C.

Tanytarsus idei Walley, 1925: 272.—Ont.

illinoensis. N.W.T., Alta. to Qué., N.Y., Maine, Colo., N. Mex., Kans., W. Va.

Tanytarsus illinoensis Malloch, 1915b:

376.—Ill.

peleensis. Alas., widespread Can. & U.S.A.

Tanytarsus peleensis Walley, 1926a: 64.—Ont.

philosphagnos. B.C., Ont., N.B., Pa. to Miss. & Fla.

Ablabesmyia philosphagnos Beck & Beck, 1966: 330.—Fla.

pulchripennis. N.W.T., B.C. to Qué., Wash., Wyo., S. Dak., D.C., Col., Kans., Grld.

Tanytarsus pulchripennis Lundbeck, 1898:

293.—Grld.

Tanytarsus prudens Walley, 1925: 275.—Man.

Genus ARCTOPELOPIA Fittkau*Arctopelopia* Fittkau, 1962: 194.Type-species, *Tanypus barbitarsis*
Zetterstedt (orig. des.).**cana.** N.W.T.*Arctopelopia cana* Roback, 1971:
253.—N.W.T.**melanosoma.** Grld.; PA.*Ablabesmyia melanosoma* Goetghebuer,
1933: 20.—Grld.**Genus CANTOPELOPIA** Roback*Cantopelopia* Roback, 1971: 270.Type-species, *Cantopelopia gesta*
Roback (orig. des.).**gesta.** Qué., Ill., N.Y., Fla.*Cantopelopia gesta* Roback, 1971:
270.—Qué.**Genus CONCHAPELOPIA** Fittkau*Conchapelopia* Fittkau, 1957: 317.Type-species, *Tanypus pallidus* Meigen
(orig. des.).*Mesopelopia* Roback, 1971: 252. Type
species, *aleta* (mon.).**aleta.** Widespread in e. Can. & U.S.A.*Conchapelopia aleta* Roback, 1971:
252.—N.Y.**bruna.** Alas. to N.W.T.*Conchapelopia bruna* Roback, 1971:
249.—N.W.T.**currani.** Man. to Qué., Wyo., Iowa, N.Y.,
Ohio, s. to Miss. & Fla..*Tanypus currani* Walley, 1925: 276.—Qué.**fasciata.** Alta. to Ont., s. to Kans. & Fla.*Conchapelopia fasciata* Beck & Beck,
1966: 346.—Fla.*Conchapelopia dusena* Roback, 1971:
247.—N.Y.**melanops.** Not NE.*Tanypus melanops* Meigen, 1818:
65.—Not stated.**pallens.** Alas. to Qué., s. to Calif. & Fla.*Tanypus pallens* Coquillett, 1902b: 91.—N.
Mex.*Pentaneura goniodes* Sublette, 1964a:
89.—Calif.*Conchapelopia goniodes* var. *trifida*
Roback, 1971: 246.—Calif.**mera.** Wash., Ariz.*Conchapelopia mera* Roback, 1971:
246.—Wash.**paramelanops.** N.Y., Va.*Conchapelopia paramelanops* Roback,
1971: 249.—Va.**rurika.** Man., Qué., s. to Kans. & Ga.*Pentaneura rurika* Roback, 1957a: 34.—Pa.**telema.** N.W.T. to Ont., Mont., N.Y., Ill.,
Kans., N.C.*Conchapelopia telema* Roback, 1971:
247.—Alta.**varna.** W. Va.*Conchapelopia varna* Roback, 1981:
93.—W. Va.**Genus DENOPELOPIA** Roback & Rutter*Denopelopia* Roback & Rutter, 1988: 118.Type-species, *atria* (orig. des.).**atria.** Fla.*Denopelopia atria* Roback & Rutter, 1988:
120.—Fla.**Genus GUTTIPELOPIA** Fittkau*Guttipelopia* Fittkau, 1962: 251.Type-species, *Tanypus guttipennis* Wulp
(orig. des.).**guttipennis.** N.W.T., Man., Ont., s. to Ala. &
Fla.; PA.*Tanypus guttipennis* Wulp, 1861:
16.—Netherlands.*Tanypus multipunctatus* Curran, 1930:
29.—N.Y.*Guttipelopia currani* Beck & Beck, 1966:
332.—Fla.**rosenbergi.** Man., Ont.*Guttipelopia rosenbergi* Bilyj, 1984:
659.—Man.**Genus HAYESOMYIA** Murray & Fittkau*Hayesomyia* Murray & Fittkau, 1985: 196.Type-species *Tanypus tripunctatus*
Goetghebuer (orig. des.).**senata.** Alta. to N.S., s. to Calif., Kans. &
Fla.*Tanypus senatus* Walley, 1925: 276: —Ont.*Pentaneura chrysos* Sublette, 1964a:
90.—Calif.*?Chironomus unicolor* Walker,
1848: 19.—N.S.

Genus HELOPELOPIA Roback

Helopelopia Roback, 1971: 250 (as subg. of *Conchapelopia* Fittkau, 1957).
Type-species, *Tanypus cornuticaudatus* Walley (orig. des.).

cornuticaudata. Alta. to Qué., N.Y., Ohio, Pa., Kans., N.C., S.C., Fla.

Tanypus cornuticaudatus Walley, 1925: 277.—Qué.

pilicaudata. N.W.T. to N.B., N.Y., N.C.

Tanypus pilicaudatus Walley, 1925: 277.—Ont.

Genus HUDSONIMYIA Roback.

Hudsonimyia Roback, 1979: 1.
Type-species *karelana* Roback (orig. des.).

karelana. N.Y., N.C., S.C., Ga.

Hudsonimyia karelana Roback, 1979: 3.—S.C.

parrishi. Ga.

Hudsonimyia parrishi Caldwell & Soponis, 1982: 507.—Ga.

Genus KRENOPELOPIA Fittkau

Krenopelopia Fittkau, 1962: 262.
Type-species, *Chironomus binotatus* Wiedemann (orig. des.).

hudsoni. S.C.

Krenopelopia hudsoni Roback, 1983: 254.—S.C.

narda. Alas., ?Oreg.

Krenopelopia narda Roback, 1971: 274.—Alas.

Genus LABRUNDINIA Fittkau

Labrundinia Fittkau, 1962: 372.
Type-species, *Tanypus longipalpis* Goetghebuer (orig. des.).

becki. Okla., Ky., N.C., s. to Miss. & Fla.

Labrundinia becki Roback, 1971: 279.—Fla.

johannseni. Ky., N.C., s. to Miss. & Fla.

Labrundinia johannseni Beck & Beck, 1966: 342.—Fla.

maculata. Calif., Kans., N. Mex., Tex., N.C., Mex.; NT.

Labrundinia maculata Roback, 1971: 278.—Calif.

neopilosella. Neb., Ky., N.Y., N.C., s. to Miss. & Fla.

Labrundinia neopilosella Beck & Beck, 1966: 341.—Fla.

pilosella. Alas. to Qué., s. to Ariz. & Fla.; NT.

Tanypus pilosellus Loew, 1866: 5.—D.C.

Labrundinia floridana Beck & Beck, 1966: 339.—Fla.

virescens. Pa. s. to Tex. & Fla.

Labrundinia virescens Beck & Beck, 1966: 341.—Fla.

Genus LARSIA Fittkau

Larsia Fittkau, 1962: 339. Type-species, *Ablabesmyia atrocincta* Goetghebuer (orig. des.).

berneri. Minn., Fla.

Larsia bernerri Beck & Beck, 1966: 350.—Fla.

canadensis. Can. e. of Rockies.

Larsia canadensis Bilyj, 1984: 663.—Man.

decolorata. Wis., Mich., N.Y., Kans., Ill., Ohio, La., Fla.

Tanypus decoloratus Malloch, 1915b: 370.—Ill.

Larsia lurida Beck & Beck, 1966: 351.—Fla.

Larsia indistincta Beck & Beck, 1966: 352.—Fla.

lyra. Calif.

Pentaneura lyra Sublette, 1964a: 96.—Calif.

marginella. Qué., Ill., Kans.

Tanypus marginellus Malloch, 1915b: 374.—Ill.

planensis. Ont., Qué., Calif., Tex., Ohio, N.Y., Va., Mex.

Pentaneura planensis Johannsen, 1946: 284.—Tex.

sequoiaeensis. Calif.

Pentaneura sequoiaeensis Sublette, 1964a: 99.—Calif.

Genus MEROPELOPIA Roback

Meropelopia Roback, 1971: 253 (as subg. of *Arctopelopia* Fittkau, 1962).

Type-species, *Ablabesmyia flavifrons* Johannsen (orig. des.).

americana. N.Y., Conn., N.J., Ohio, N.C., S.C., Kans.
Conchapelopia americana Fittkau, 1957: 320 (n. nam. for *Pentaneura vitellina* Johannsen, 1946: 281, not Kieffer, 1916, misident.).—Conn.
flavifrons. Alas., Alta. to Qué., s. to Calif., Fla.
Ablabesmyia flavifrons Johannsen, 1905: 150.—N.Y.
Pentaneura gesta Roback in Sublette & Sublette, 1965: 147 (n. nam. for *Pentaneura alba* Roback, 1957a: 32, preocc. Tokunaga, 1937).—Pa.
Arctopelopia fittkauui Beck & Beck, 1966: 348.—Fla.

Genus MONOPELOPIA Fittkau

Monopelopia Fittkau, 1962: 394.
 Type-species, *Tanypus tenuicalcar* Kieffer (orig. des.).

boliekae. B.C., Ont., Ky., N.C., s. to Miss. & Fla.
Monopelopia boliekae Beck & Beck, 1966: 335.—Fla.
tenuicalcar. B.C., Ont., N.B., Nfld., Calif., Fla.; PA.
Tanypus tenuicalcar Kieffer, 1918a: 182.—Czechoslovakia.
tillandsia. Ky., N.C., s. to Miss. & Fla.
Monopelopia tillandsia Beck & Beck, 1966: 336.—Fla.

Genus NILOTANYPUS Kieffer

Nilotanypus Kieffer, 1923b: 191.
 Type-species, *remotissimus* Kieffer (mon.).

americanus. Ga., N.C., S.C., Fla.
Nilotanypus americanus Beck & Beck, 1966: 345.—Fla.
dubius. Not NE.
Tanypus dubius Meigen, 1804: 25.—not stated.
fimbriatus. Widespread NE.
Chironomus fimbriatus Walker, 1848: 20.—Ont.
kansensis. Kans.
Nilotanypus kansensis Roback, 1986a: 458.—Kans.

Genus PARAMERINA Fittkau

Paramerina Fittkau, 1962: 317.
 Type-species, *Chironomus cingulatus* Walker (orig. des.).

anomala. Ky., N.C., s. to Miss. & Fla.
Paramerina anomala Beck & Beck, 1966: 344.—Fla.
fragilis. N.W.T., B.C. to Qué., Oreg., Va.
Tanypus fragilis Walley, 1926b: 205.—Ont.
hanseni. Wash.
Paramerina hansenii Roback, 1971: 274.—Wash.
smithae. Wash., N. Dak., S. Dak., Calif., Utah, Wyo., N. Mex., Kans.
Pentaneura smithae Sublette, 1964a: 100.—Calif.
testa. Okla., Tex.
Paramerina testa Roback, 1971: 272.—Tex.

Genus PENTANEURA Philippi

Pentaneura Philippi, 1865: 629.
 Type-species, *grisea* Philippi (mon.).

inconspicua. Ont., Wash., s. to Ariz., Kans., Okla., Ill. to Pa., s. to Fla.
Tanypus inconspicuus Malloch, 1915b: 371.—Ill.
Pentaneura comosa Sublette, 1964a: 93.—Calif.
Pentaneura inculta Beck & Beck, 1966: 334.—Fla.
inyoensis. Calif., N.Y., Ill., Ark.
Pentaneura inyoensis Sublette, 1964a: 98.—Calif.

Genus REOMYIA Roback

Reomyia Roback, 1986b: 283. Type-species, *Zavrelimyia wartinbei* Roback (orig. des.).

wartinbei. Alas., Oreg.
Zavrelimyia wartinbei Roback, 1984: 17.—Alas.

Genus RHEOPELOPIA Fittkau

Rheopelopia Fittkau, 1962: 209.
 Type-species, *Tanypus ornatus* Meigen (orig. des.).

acra. Qué., Maine, Mich., s. to W. Va., Ga.
Thienemannimyia acra Roback, 1971: 243.—Mich.

- paramaculipennis.** Qué., Ill., Va.
Thienemannimyia paramaculipennis
Roback, 1971: 243.—Va.
perda. Alta., Idaho, Ont., Minn., N.Y., Pa.
Thienemannimyia perda Roback, 1971:
244.—N.Y.

- Genus TELOPELOPIA** Roback
Telopelopia Roback, 1971: 255.
Type-species, *Tanypus okoboji* Walley
(orig. des.).
- okoboji.** Man., Minn., Iowa, Ohio, Md., Va.,
Kans., N. Mex.
Tanypus okoboji Walley, 1928b:
582.—Iowa.

- Genus THIENEMANNIMYIA** Fittkau
Thienemannimyia Fittkau, 1957: 315.
Type-species, *Ablabesmyia geisksesi*
Goetghebuer (orig. des.).

- barberi.** Wash. s. to Calif., Nev., Ariz., Kans.,
N. Mex.
Tanypus barberi Coquillett, 1902b: 90.—N.
Mex.
- fusciceps.** Alas., N.W.T., B.C., Man., Calif.,
Wyo.; PA.
Pentaneura fusciceps Edwards, 1929:
290.—England.
- norena.** Man., Ont., Mich., Maine s. to Pa.,
Oreg., Kans.
Pentaneura norena Roback, 1957a:
38.—Pa.
Thienemannimyia norena var.
quadrata Roback, 1971:
242.—Ill.

- Genus TRISSOPELOPIA** Kieffer
Trissopelopia Kieffer, 1923d: 178.
Type-species, *flavida* Kieffer (orig.
des.).
- ogemawi.** Alta., Ont., Qué., Mich., N.Y., Pa.,
Ga.
Trissopelopia ogemawi Roback, 1971:
268.—Mich.

- Genus XENOPELOPIA** Fittkau
Xenopelopia Fittkau, 1962: 381.
Type-species, *Pelopia falcigera* Kieffer
(orig. des.).

- tincta.** Calif.
Xenopelopia tincta Roback, 1971:
256.—Calif.
- Genus ZAVREЛИMYIA** Fittkau
Zavrelimyia Fittkau, 1962: 285.
Type-species, *Tanypus melanurus*
Meigen (orig. des.).
- bifasciata.** Man. to Nfld., U.S.A. s. to S.C.
Tanypus bifasciatus Coquillett, 1901b:
609.—N.J.
- sinuosa.** Alta. to Qué., s. to Kans. & Fla.,
Calif.
Tanypus sinuosus Coquillett, 1905:
65.—N.H.
Zavrelimyia carneosa Fittkau, 1962: 315
(n. nam. for *Ablabesmyia carnea*
Johannsen, 1905: 140, not Fabricius,
1805, misident.).—N.Y.
- Pentaneura fluminalis** Sublette, 1964a:
88.—Calif.
- thryptica.** Alas., Alta., Oreg., Ont., N.Y., s.
to Kans. & S.C., Calif.; ?PA.
Pentaneura thryptica Sublette, 1964a:
95.—Calif.
- Incerta sedis in Pentaneurini**
Tanypus futilis Wulp, 1867:
130.—Wis.
- Nominen dubium in Pentaneurini**
Ablabesmyia aurea Johannsen, 1907b:
110.—Kans.
- Tribe PROCLADIINI**
- Genus DJALMABATISTA** Fittkau
Djalmabatista Fittkau, 1968a: 328.
Type-species, *director* Fittkau (orig.
des.).
- Calotanypus** Roback, 1971: 152 (as subg.
of *Procladius* Skuse, 1889).
Type-species, *Protenthes pulcher*
Johannsen (orig. des.).
- pulcher.** Ont., Qué., N.Y., Mich., Ohio, Pa.,
N.C., S.C., Fla., Ga.
Protenthes pulcher Johannsen, 1908:
273.—N.Y.
Tanypus apicalis Walley, 1926a: 64.—Qué.
Protenthes fasciger Curran, 1930:
29.—N.Y.
Procladius maculatus Roback, 1971:
152.—Fla.

Genus PROCLADIUS Skuse

Procladius Skuse, 1889: 283.
Type-species, *paludicola* Skuse
(Coquillett, 1910: 594).

Subgenus HOLOTANYPUS Roback

Holotanypus Roback, 1982: 99 (n. nam.
for subg. *Procladius* sensu Roback
1971, not Skuse 1889, misident.).
Type-species, *Tipula culiciformis*
Linnaeus (orig. des.).

abetus. Alta., Ont.

Procladius abetus Roback, 1971:
185.—Alta.

barbatulus. Calif.

Procladius barbatulus Sublette, 1964a:
121.—Calif.

clavus. N.W.T., B.C.

Procladius clavus Roback, 1971:
187.—N.W.T.

culiciformis. N.W.T., B.C. to Ont., s. to
Kans. & Fla., Calif., Nev., Ariz.; PA.

Tanypus culiciformis Linnaeus, 1767:
978.—Sweden.

Tanypus crassinervis Zetterstedt, 1838:
817.

Protenthes claripennis Malloch, 1915b:
387.—Mich.

curtus. Fla.

Procladius curtus Roback, 1971: 181.—Fla.

denticulatus. Widespread NE.

Procladius denticulatus Sublette, 1964a:
124.—Calif.

dentus. Alas., N.W.T., B.C. to Labr.

Procladius dentus Roback, 1971:
186.—Man.

desis. Alas., N.W.T.

Procladius desis Roback, 1971: 178.—Alas.

freemani. Alas., N.W.T., B.C. to Qué., s. to
Calif. & Ga.

Procladius freemani Sublette, 1964a:
122.—Calif.

Procladius freemani var. *asetus* Roback,
1971: 172.—Ga., N.C., S.C.

Procladius freemani var. *brunneus* Roback,
1971: 171.—Nfld.

Procladius freemani var. *cretis* Roback,
1971: 172.—B.C.

Procladius freemani var. *elongatus* Roback,
1971: 172.—Fla., N.C., S.C.

gretis. N.W.T.

Procladius gretis Roback, 1971:
184.—N.W.T.

jeris. Alas.. N.W.T.

Procladius jeris Roback, 1971: 187.—Alas.

johnsoni. Ont., N.Y.

Procladius johnsoni Roback, 1980a:
43.—Ont.

paragretis. ?Alas., Grld.

Procladius paragretis Roback, 1971:
185.—Grld.

prolongatus. Alas., N.W.T.

Procladius prolongatus Roback, 1971:
188.—N.W.T.

ruris. N.W.T., B.C. to Labr., Minn.

Procladius ruris Roback, 1971: 182.—Alta.
Procladius ruris var. *grandis* Roback,
1971: 183.—N.W.T., B.C., Nfld.

sublettei. Widespread NE.

Procladius sublettei Roback, 1971:
191.—Calif.

Procladius sublettei var. *grandis* Roback,
1971: 193.—N.W.T., Sask., Ont.

Procladius sublettei var. *minuta* Roback,
1971: 194.—N.C., S.C., Fla.

vesus. Alas., N.W.T.

Procladius vesus Roback, 1971:
181.—N.W.T.

wilhmi. Tenn.

Procladius wilhmi Roback, 1966:
177.—Tenn.

Subgenus PSILOTANYPUS Kieffer

Psiilotanypus Kieffer, 1906a: 39.

Type-species, *Tanypus bellus* Loew
(Coquillett, 1910: 597).

bellus. N.W.T., B.C., Sask. to N.B., s. to
Calif. & Fla.

Tanypus bellus Loew, 1866: 4.—D.C.

Procladius adumbratus Johannsen, 1905:
132.—N.Y.

Tanypus pusillus Loew, 1866: 5.—D.C.

Procladius flavidus Kieffer, 1923a:
297.—Tex.

Procladius malifero Garrett, 1925:
10.—B.C.

deltaensis. Man.

Procladius deltaensis Roback in Wrubleski
& Roback, 1987: 208.—Man.

macrotrichus. Minn.

Procladius macrotrichus Roback, 1971:
168.—Minn.

nietus. B.C., Alta., Sask., Man.

Procladius nietus Roback, 1971:
168.—B.C.

riparius. Kans., Ill.

Protenthes riparius Malloch, 1915b:
389.—Ill.

Incota sedis in Procladius

Procladius lundstromi Goetghebuer in Goetghebuer & Lenz, 1936: 11.—not stated.
Tanypus abrupta Garrett, 1925a: 8.—B.C.
Tanypus arcuata Garrett, 1925a: 7.—B.C.
Tanypus bifida Garrett, 1925a: 8.—B.C.
Tanypus trifolia Garrett, 1925a: 7.—B.C.
Trichotanypus vestitipennis Kieffer, 1917: 339.—N.Y.

Tribe TANYPODINI**Genus TANYPUS Meigen**

Tanypus Meigen, 1803: 261. Type-species, *Tipula cincta* Fabricius (Latreille, 1810: 442; misident.) = *Tanypus punctipennis* Meigen.
Pelopia Meigen, 1800: 18. Type-species, *Tipula cincta* Fabricius (Coquillett, 1910: 586; misident.) = *Tanypus punctipennis* Meigen. Suppressed by ICZN, 1963: 339.
Protenthes Johannsen, 1907a: 400. Type-species, *Tanypus punctipennis* Meigen (orig. des.).

Subgenus APELOPIA Roback

Apelopia Roback, 1971: 55. Type-species, *Tanypus neopunctipennis* Sublette (orig. des.).

clavatus. Ky. to N.C., s. to Tex. & Fla.
Tanypus clavatus Beck, 1962: 92.—Fla.

grodhausi. Calif.
Tanypus grodhausi Sublette, 1964a: 116.—Calif.

imperialis. Calif., N. Mex.
Tanypus imperialis Sublette, 1964a: 112.—Calif.

neopunctipennis. Widespread U.S.A. e. of Rockies, Mex.; NT.
Tanypus neopunctipennis Sublette, 1964a: 118.—Ill.

nubifer. Man., Calif., Nev., Utah, N. Mex., Neb., Kans.
Tanypus nubifer Coquillett, 1905: 66.—Utah.

Subgenus TANYPUS Meigen

carinatus. Calif., Miss., Pa., S.C.
Tanypus carinatus Sublette, 1964a: 110.—Calif.

concavus. Iowa, Kans., Ark., Mich., Ohio, N.Y., Va., N.C., S.C., Tex.

Tanypus concavus Roback, 1971: 63.—Mich.

parastellatus. Calif., Nev., Ariz., Tex.

Tanypus parastellatus Sublette, 1964a: 113.—Calif.

punctipennis. B.C., Sask. to Qué., Calif. to Md., Ala., S.C., Fla.; PA.; OR.

Tanypus punctipennis Meigen, 1818: 61.—Not stated.

stellatus. Alta., Ont., Utah to Pa., s. to Tex. & Fla.

Tanypus stellatus Coquillett, 1902b: 89.—Tex.

telus. Fla.

Tanypus telus Roback, 1971: 68.—Fla.

vilipennis. Man., Wis., Mich.; PA.

Protenthes vilipennis Kieffer, 1918a: 164.—Hungary.

Nomen dubium in Tanypodinae

Tanypus pubitarsis Zetterstedt, 1850: 3603.—Grld.; Sweden.

Subfamily DIAMESINAE**Tribe BOREOHEPTAGYIINI****Genus BOREOHEPTAGYIA Brundin**

Boreoheptagia Brundin, 1966: 420. Type-species, *Heptagia rugosa* Saunders (orig. des.).

lurida. Alas., B.C., N.Y., Wash., Wyo.
Diamesa lurida Garrett, 1925a: 6.—B.C.

Tribe DIAMESINI**Genus ARCTODIAMESA Makarchenko**

Arctodiamesa Makarchenko, 1983: 264. Type-species, *Diamesa appendiculata* Lundström (orig. des.).

appendiculata. Alas.; PA.
Diamesa appendiculata Lundström, 1915: 23.—Siberia.

Genus DIAMESA Meigen

Diamesa Meigen in Gistl, 1835: 66. Type-species, *cinerella* Meigen in Gistl (orig. des.).

- Adiamesa** Kieffer, 1906a: 36.
 Type-species, *Chironomus tonsus* Walker, 1956a: 195 (mon.).
- Eutanypus** Coquillett, 1899: 341.
 Type-species, *borealis* Coquillett (orig. des.).
- Psilodiamesa** Kieffer, 1918a: 104.
 Type-species, *Psilodiamesa spitzbergensis* Kieffer (orig. des.).
- aberrata.** Alas., Wyo., Grld.; PA.; OR.
Diamesa aberrata Lundbeck, 1898: 289.—Grld.
- alpina.** Alas.; PA.
Diamesa alpina Tokunaga, 1936: 539.—Japan.
- amplexivirilia.** B.C., Alta., Wash., Mont.; PA.
Diamesa amplexivirilia Hansen in Hansen & Cook, 1976: 53.—Wash.
- ancysta.** Alas., Wash., Idaho, Mont., Nev., Utah, Colo.
Diamesa ancysta Roback, 1959b: 1.—Mont.
- arctica.** Alas., N.W.T.; PA.
Chironomus arcticus Boheman, 1865: 574.—Spitzbergen.
- bertrami.** Grld.; PA.
Diamesa bertrami Edwards, 1935: 470.—Grld.
- bohemani.** N.W.T., Grld.; PA.
Diamesa bohemani Goetghebuer, 1932a: 181.—Spitzbergen.
- cheimatophila.** N.Y.
Diamesa cheimatophila Hansen in Hansen & Cook, 1976: 68.—N.Y.
- chiobates.** Minn., Wis.
Diamesa chiobates Hansen in Hansen & Cook, 1976: 70.—Wis.
- chorea.** Alas., Calif., Wyo., Grld.
Diamesa chorea Lundbeck, 1898: 291.—Grld.
- clavata.** N.W.T.
Diamesa clavata Edwards, 1933: 615.—N.W.T.
- colenae.** Alas., Y.T., Wyo.
Diamesa colenae Hansen in Hansen & Cook, 1976: 76.—Wyo.
- davisi.** N.W.T., Utah, Wyo., N.H., Grld.
Diamesa davisi Edwards, 1933: 614.—N.W.T.
- garretti.** B.C., Wash., Idaho, Mont., Wyo.
Diamesa garretti Sublette & Sublette, 1965: 151 (n. nam. for *Diamesa borealis* Garrett, 1925: 6, preocc. Kieffer, 1915b).—B.C.
- geminata.** N.W.T., Grld.; PA.
Diamesa geminata Kieffer, 1926: 79.—Grld.
- biappendiculata** Goetghebuer in Remy, 1928: 52.—Grld.
- furcata** Edwards, 1933: 616.—N.W.T.
- gregsoni.** N.W.T., N.B.; PA.
Diamesa gregsoni Edwards, 1933: 618.—N.W.T.
- haydaki.** Alas., Wyo., Minn., Col., Ariz.
Diamesa haydaki Hansen in Hansen & Cook, 1976: 93.—Wyo.
- heteropus.** Alas. s. to N. Mex., to Neb. & Minn.
Tanypus heteropus Coquillett, 1905: 66.—N.H., N. Mex., Wash.
- confusa** Garrett, 1925: 5.—B.C.
- banana** Garrett, 1925: 6.—B.C.
- onteona** Roback, 1957b: 6.—Utah.
- hyperborea.** Not NE.
Diamesa hyperborea Holmgren, 1869: 48.—Bear Island.
- ursus** Kieffer, 1918a: 104.—Bear Island.
- incallida.** Alas., Y.T., Man., Ont., Wash., Utah, Wyo.; PA.
Chironomus incallidus Walker, 1956a: 183.—England.
- fonticola** Sæther, 1969: 24.—Man.
- insignipes.** Wyo., Utah; PA.
Diamesa insignipes Kieffer in Kieffer & Thienemann, 1908: 3.—Germany.
- japonica.** Wash., Mont., Wyo., Utah, Calif.; PA.
Diamesa japonica Tokunaga, 1936: 542.—Japan.
- leoniella** Hansen in Hansen & Cook, 1976: 111.—Wyo.
- leona.** Wash. to N. Mex., to Minn., Colo., Qué., N.B.; PA.
Diamesa leona Roback, 1957b: 7.—Utah.
- caena** Roback, 1957b: 9.—Utah.
- piaeta** Roback, 1957b: 8.—Utah.
- lindrothi.** Grld.; PA.
Diamesa lindrothi Goetghebuer in Goetghebuer & Lindroth, 1931: 281.—Iceland.
- lupus.** Alas., Alta.
Diamesa lupus Willassen, 1985: 127.—Alas.
- mendotae.** S. Dak., Minn., Wis.
Diamesa mendotae Muttkowski, 1915: 116.—Wis.

nivicavernicola. Alas., Wash.
Diamesa nivicavernicola Hansen in Hansen & Cook, 1976: 123.—Wash.

nivoriunda. Minn. to Nfld., Ky., N.C., s. to Miss. & Fla.
Chironomus nivoriundus Fitch, 1847: 282.—N.Y.

simplex. Alas., N.W.T., B.C., Qué., Wyo., Grld.
Diamesa simplex Kieffer, 1926: 81.—N.W.T.

sommermani. Alas.
Diamesa sommermani Hansen in Hansen & Cook, 1976: 134.—Alas.

sonorae. Calif.
Diamesa sonorae Willassen, 1985: 125.—Calif.

spinacies. Alas., Alta., Mont., Idaho, Wyo., Utah, Col., Calif.
Diamesa spinacies Sæther, 1969: 27.—Alta.

subletti. Alta.
Diamesa subletti Makarchenko, 1986: 155.—Alta.

vockerothi. Ont., Qué.
Diamesa vockerothi Hansen in Hansen & Cook, 1976: 139.—Ont.

Genus LAPPODIAMESA Serra-Tosio
Lappodiamesa Serra-Tosio, 1968: 140.
 Type-species, *brundini* Serra-Tosio (orig. des.).

boltoni. Ohio.
Lappodiamesa boltoni Sæther & Willassen, 1988: 78.—Ohio.

Genus PAGASTIA Oliver
Pagastia Oliver, 1959: 49. Type-species, *orthogonia* Oliver (orig. des.).
Hesperodiamesa Sublette, 1967a: 305.
 Type-species, *Prodiamesa sequax* Garrett (orig. des.).

orthogonia. Alas., Mich.
Pagastia orthogonia Oliver, 1959: 51.—Alas.

partica. Alas., Y.T., Utah, Wyo.
Syndiamesa partica Roback, 1957b: 4.—Utah.

Syndiamesa artisia Roback, 1957b: 5.—Utah.

sequax. B.C., Alta.
Prodiamesa sequax Garrett, 1925: 7.—B.C.

Genus POTTHASTIA Kieffer
Potthastia Kieffer, 1922c: 362.
 Type-species, *longimana* Kieffer (orig. des.).

gaedii. E. U.S.A.; PA.
Diamesa gaedii Meigen, 1838: 13.—Belgium.

iberica. Idaho, Wyo., Ga.; PA.
Potthastia iberica Serra-Tosio, 1971: 160.—Spain.

longimana. Ont., Qué., N.Y., N.C., S.C.; PA.
Potthastia longimanus Kieffer, 1922c: 362.—Germany.

montium. Se. U.S.A.; PA.
Diamesa montium Edwards, 1929: 307.—Great Britain.

Genus PSEUDODIAMESA Goetghebuer
Pseudodiamesa Goetghebuer in Goetghebuer & Lenz, 1939a: 9 (as subg. of *Syndiamesa* Kieffer, 1918a).
 Type-species, *Syndiamesa pilosa* Kieffer (orig. des.) = *Diamesa branickii* Nowicki.

Subgenus PACHYDIAMESA Oliver
Pachydiamesa Oliver, 1959: 54.
 Type-species, *Diamesa arctica* Malloch (orig. des.).

arctica. N.W.T.
Diamesa arctica Malloch, 1919: 37.—N.W.T.

Subgenus PSEUDODIAMESA Goetghebuer
branickii. B.C., Alta., Calif., N. Mex., Grld.; PA.; OR.
Diamesa branickii Nowicki, 1873: 3.—Poland.

pertinax. N.W.T., B.C., Utah, Wyo., Colo.
Prodiamesa pertinax Garrett, 1925: 6.—B.C.

Genus PSEUDOKIEFFERIELLA Zavrel
Pseudokiefferiella Zavrel, 1941: 11.
 Type-species, *Diplomesa laponica* Pagast = *Diamesa parva* Edwards (orig. des.). (see Cranston, 1975: 88; Ashe, 1983: 46- ICZN ruling required).
Diplomesa Pagast, 1947: 539.
 Type-species, *laponica* Pagast (mon.).

parva. N.W.T.; PA.

Diamesa parva Edwards, 1932a:
45.—Scotland.

Genus SYMPOTTHASTIA Pagast

Sympothastia Pagast, 1947: 457.
Type-species, *zavreli* Pagast (mon.).

diasrena. Oreg., Colo., Calif.

Pseudodiamesa diastena Sublette, 1964a:
128.—Calif.

fulva. N.Y., N.C., S.C.

Diamesa fulva Johannsen, 1921:
229.—N.Y.

zavreli. N.C.

Sympothastia zavreli Pagast, 1947:
458.—Germany.

Genus SYNDIAMESA Kieffer

Syndiamesa Kieffer, 1918a: 103.
Type-species, *Diamesa hygropetrica*
Kieffer (Edwards, 1929: 303).

Unnamed species.—N.W.T., Ont.

Nomina dubia in Diamesinae

Diamesa waltlii Meigen, 1838:
13.—Germany.

Syndiamesa polaris Kieffer, 1926:
81.—N.W.T.

Incera sedis in Diamesinae

Diamesa polaris Kieffer, 1926:
79.—N.W.T.

Tribe PROTANYPINI**Genus PROTANYPUS** Kieffer

Protanypus Kieffer, 1906a: 40.
Type-species, *Tanypus morio*
Zetterstedt (Edwards, 1924a: 119).

caudatus. N.W.T.; PA.

Protanypus caudatus Edwards, 1924a:
122.—Norway.

hamiltoni. N.W.T., B.C.

Protanypus hamiltoni Sæther, 1975c:
375.—B.C.

pseudomorio. Alas.; PA.

Protanypus pseudomorio Makarchenko,
1982: 133.—U.S.S.R.

ramosus. N.W.T., Ont.

Protanypus ramosus Sæther, 1975c:
368.—Ont.

saetheri. Alas.

Protanypus saetheri Wiederholm, 1975:
224.—Alas.

Subfamily PRODIAMESINAE**Genus COMPTEROMESA** Sæther

Compteromesa Sæther, 1981c: 194.
Type-species, *oconeensis* Sæther (orig.
des.).

oconeensis. S.C.

Compteromesa oconeensis Sæther, 1981c:
195.—S.C.

Genus MONODIAMESA Kieffer

Monodiamesa Kieffer, 1922a: 287.
Type-species, *Prodiamesa bathyphila*
Kieffer, Goetghebuer in Goetghebuer
& Lenz, 1939a: 3).

bathyphila. Alas., N.W.T., Minn., Ill. to Ohio,
Grld.; PA.

Prodiamesa bathyphila Kieffer, 1918a:
102.—Germany.

depectinata. Man., Ont., Pa.

Monodiamesa depectinata Sæther, 1973b:
666.—Man.

prolilobata. B.C.

Monodiamesa prolilobata Sæther, 1973b:
673.—B.C.

tuberculata. N.W.T., B.C., Ont., Mich., Ind.

Monodiamesa tuberculata Sæther, 1973b:
671.—Mich.

Genus ODONTOMESA Pagast

Odontomesa Pagast, 1947: 502.
Type-species, *Prodiamesa fulva* Kieffer
(orig. des.).

ferringtoni. Colo.

Odontomesa ferringtoni Sæther, 1985e:
25.—Colo.

fulva. Mont. s. to N. Mex., Wis., Ill., Pa. s. to
Miss. & Fla.; PA.

Prodiamesa fulva Kieffer, 1919a:
132.—Hungary.

Odontomesa fulva nearctica Sæther,
1985e: 20.—Ga.

lutosopra. B.C.

Prodiamesa lutosopra Garrett, 1925:
7.—B.C.

Genus PRODIAMESA Kieffer

Prodiamesa Kieffer, 1906a: 37.
Type-species, *Diamesa praecox* Kieffer
(orig. des.) = *Chironomus olivaceus*
Meigen.

cubita. B.C.

Prodiamesa cubita Garrett, 1925: 7.—B.C.
olivacea. Widespread NE.; PA.
Chironomus olivaceus Meigen, 1818:
29.—Not stated, ?Germany.
Chironomus turpis Zetterstedt, 1838:
811.—Sweden.
Tanypus occidentalis Coquillett, 1902b:
92.—Colo.

Subfamily ORTHOCLADIINAE**Genus ABISKOMYIA** Edwards

Abiskomyia Edwards, 1937: 140.
Type-species, *virgo* Edwards (orig.
des.).

virgo. Alas., N.W.T.; PA.

Abiskomyia virgo Edwards, 1937:
141.—Sweden.

Genus ACAMPTOCLADIUS Brundin

Acamptocladius Brundin, 1956: 162.
Type-species, *Spaniotoma submontana*
Edwards (orig. des.).
Phycoidella Sæther, 1971: 1810.
Type-species, *dentalatens* Sæther (orig.
des.).

dentalatens. Ont.

Phycoidella dentalatens Sæther, 1971:
1814.—Ont.

Genus ACRICOTOPUS Kieffer

Aricotopus Kieffer, 1921a: 90.
Type-species, *grandis* Kieffer (orig.
des.) = *Chironomus lucens* Zetterstedt.

lucens. N.W.T., Alta.; PA.

Chironomus lucens Zetterstedt, 1850:
3574.—Denmark.

Chironomus lucens lucens

Zetterstedt.—Not NE.

Chironomus lucens* var. *baueri
Goetghebuer, 1955: 167.
Unrecognized.

nitidellus. B.C. to Man., S. Dak., Ill., N.B.,
N.Y., Pa.

Orthocladius nitidellus Malloch, 1915b:
515.—Ill.
Spaniotoma senex Johannsen, 1937a:
63.—N.Y.

Genus ANTILLOCLADIUS Sæther

Antillocladius Sæther, 1981b: 4.
Type-species, *antecalvus* Sæther (orig.
des.).

arcuatus. Kans., S.C.

Antillocladius arcuatus Sæther, 1982:
474.—S.C.

pluspilalus. Kans., S.C.

Antillocladius pluspilalus Sæther, 1982:
474.—S.C.

Genus APOMETRIOCNCMUS Sæther

Apometriocnemus Sæther, 1985c: 536.
Type-species, *fontinalis* Sæther (orig.
des.).

beringensis. Y.T.

Apometriocnemus beringensis Cranston &
Oliver, 1988a: 428.—Y.T.

fontinalis. Tenn.

Apometriocnemus fontinalis Sæther, 1985c:
537.—Tenn.

Genus BAEOTENUS Sæther

Baeotenus Sæther, 1976: 41.
Type-species, *bicolor* Sæther (orig.
des.).

bicolor. Man., N.B.

Baeotenus bicolor Sæther, 1976:
43.—Man.

Genus BRILLIA Kieffer

Brillia Kieffer, 1913b: 34. Type-species,
Metricnemus bifidus Kieffer (orig.
des.) = *Chironomus modestus* Meigen.

flavifrons. B.C. to N.B., s. to Oreg., N. Mex. to La., N.C., S.C., Ga.
Metriocnemus flavifrons Johannsen, 1905: 301.—N.Y.

laculata. Wash., Oreg., Wyo.
Brillia laculata Oliver & Roussel, 1983: 268.—Oreg.

longifurca. Not NE.
Brillia longifurca Kieffer, 1921a: 86.—Germany.

parva. Ont. to N.B., s. to S.C.
Brillia parva Johannsen, 1934: 351.—N.Y.

retifinis. Alas., B.C. to Man., s. to Calif. & Colo.
Brillia retifinis Sæther, 1969: 37.—B.C.

sera. N.H., Pa., S.C., Ga.
Brillia sera Roback, 1957a: 64.—Pa.

Genus BRYOPHAENOCLADIUS

Thienemann

Bryophaenocladius Thienemann, 1934: 36.
 Type-species, *Orthocladius muscicola* Kieffer (orig. des.).

Clinocladius Sublette, 1970: 50
 Type-species, *Orthocladius subparallelus* Malloch (orig. des.).

Platycladius Sublette, 1970: 82.
 Type-species, *Orthocladius pleuralis* Malloch (orig. des.).

aestivus. Alas.; PA.

Eudactylocladius aestivus Brundin, 1947: 30.—Sweden.

astis. B.C., Utah.

Hydrobaenus astis Roback, 1957b: 12.—Utah.

Hydrobaenus traenii Roback, 1957b: 12.—Utah.

digitatus. S. Dak., N.C., S.C.

Bryophaenocladius digitatus Sæther, 1973a: 55.—S. Dak.

flavoscutellatus. Ont., N.B., Ill.

Orthocladius flavoscutellatus Malloch, 1915b: 523.—Ill.

fumosinus. N.Y.

Camptocladius fumosinus Curran, 1930: 33.—N.Y.

furcatus. N.Y.; PA.

Dactylocladius furcatus Kieffer in Thienemann & Kieffer, 1916: 535.—Sweden.

impectinus. N.C., S.C.

Bryophaenocladius impectinus Sæther, 1976: 273.—S.C.

laticaudus. S. Dak.

Bryophaenocladius laticaudus Sæther, 1973a: 55.—S. Dak.

pleuralis. Ill.

Orthocladius pleuralis Malloch, 1915b: 527.—Ill.

psilacrus. S.C.

Bryophaenocladius psilacrus Sæther, 1982: 500.—S.C.

subparallelus. S. Dak., Ill., Ohio.

Orthocladius subparallelus Malloch, 1915b: 522.—Ill.

Genus CAMPTOCLADIUS Wulp*Camptocladius* Wulp, 1874: 133.

Type-species, *Tipula byssina* Schrank (Coquillett, 1910: 518) = *Tipula stercorarius* De Geer.

stercorarius. Widespread NE.; PA.; AU.

Tipula stercorarius De Geer, 1776: 388.—Sweden.

Tipula byssina Schrank, 1803: 76.—Germany.

Genus CARDIOCLADIUS Kieffer*Cardiocladus* Kieffer, 1912a: 22.

Type-species, *ceylanicus* Kieffer (orig. des.).

albiplumus. B.C., Ont., Qué., s. to N.C.

Cardiocladus albiplumus Sæther, 1969: 34.—Ont.

fulvus. Mich., N.Y., Ill., Miss.

Thalassomyia fulva Johannsen, 1908: 275.—N.Y.

obscurus. Ont., Qué., Wy., Utah to N.Y., s. to Miss. & Fla.

Thalassomyia obscura Johannsen, 1903: 437.—N.Y.

Thalassomyia fusca Johannsen, 1903: 437 (nom. nud.).—N.Y.

platypus. Calif., Nev., Ariz., N. Mex., ?Qué.

Orthocladius platypus Coquillett, 1902b: 93.—Ariz.

Genus CHAETOCLADIUS Kieffer

Chaetocladius Kieffer, 1911c: 182 (as subg. of *Dactylocladius* Kieffer, 1906a).

Type-species, *Dactylocladius setiger* Kieffer (Goetghebuer in Goetghebuer & Lenz, 1942: 57) = *Chironomus perennis* Meigen.

adsimilis. Grld.

Orthocladius adsimilis Goetghebuer, 1933: 25.—Grld.

grandilobus. N.W.T.; PA.

Chaetocladius grandilobus Brundin, 1956: 126.—Sweden.

holmgreni. N.W.T.; PA.

Chironomus holmgreni Jacobson, 1898: 204 (n. nam. for *Chironomus festivus* Holmgren, 1869: 43, preocc. Say, 1823).—Spitsbergen & Bear I.

ligni. Oreg.

Chaetocladius ligni Cranston & Oliver, 1988b: 144.—Oreg.

perennis. Alas., N.W.T.; PA.

Chironomus perennis Meigen, 1830: 249.—Europe.

stamfordi. Qué., Ont., S. Dak., Ohio, Conn.

Hydrobaenus stamfordi Johannsen, 1947: 171.—Conn.

Chaetocladius oliveri Sæther, 1969: 93.—Qué.

Genus CHASMATONOTUS Loew

Chasmatonotus Loew, 1864: 51. Type-species, *unimaculatus* Loew (mon.).

atripes. Ont. to N.B., s. to Ill., Ohio, Md.

Chasmatonotus atripes Rempel, 1937a: 253.—N.Y.

bicolor. N.Y., Pa., Tenn.

Chasmatonotus bicolor Rempel, 1937a: 254.—Tenn.

bimaculatus. Qué. s. to Pa., Tenn.

Chasmatonotus bimaculatus Osten Sacken, 1877: 191.—N.Y.

fascipennis. B.C., Idaho, Mont., Wyo.

Chasmatonotus fascipennis Coquillett, 1905: 66.—B.C.

hyalinus. Calif.

Chasmatonotus hyalinus Coquillett, 1905: 67.—Calif.

maculipennis. B.C. s. to Calif.

Chasmatonotus maculipennis Rempel, 1937a: 254.—Wash.

unimaculatus. Ont. to N.S., s. to Mich., N.C., S.C.

Chasmatonotus unimaculatus Loew, 1864: 50.—N.H.

univittatus. Alas. s. to Wash., Calif.

Chasmatonotus univittatus Coquillett, 1900: 395.—Alas.

Genus CLUNIO Haliday

Clunio Haliday, 1855: 62. Type-species, *marinus* Haliday (mon.).

californiensis. Calif.

Clunio californiensis Hashimoto, 1974: 108.—Calif.

marshalli. Ky., N.C., s. to Fla.

Clunio marshalli Stone & Wirth, 1947: 214.—Fla.

Genus COMPTEROSMITIA Sæther

Compterosmittia Sæther, 1981b: 20.

Type-species, *dentispina* Sæther (orig. des.).

nerius. N.Y., S.C.

Camptocladius nerius Curran, 1930: 34.—N.Y.

Compterosmittia clavigera Sæther, 1982: 491.—S.C.

Genus CORYNONEURA Winnertz

Corynoneura Winnertz, 1846: 12.

Type-species, *scutellata* Winnertz (Coquillett, 1910: 528).

arctica. N.W.T.; PA.

Corynoneura arctica Kieffer, 1923c: 4.—U.S.S.R.

celeripes. Ont., Maine, N.Y., Ill., Ind., Ohio, Grld.; PA.

Corynoneura celeripes Winnertz, 1852: 50.—Germany.

Corynoneura atra Winnertz, 1852: 50.—Germany.

diara. Utah.

Corynoneura diara Roback, 1957b: 10.—Utah.

fittkaui. N.C., S.C.; PA.

Corynoneura fittkaui Schlee, 1968: 19.—Germany.

lacustris. Man., Ont.; PA.

Corynoneura lacustris Edwards, 1924c: 187.—Great Britain.

lobata. Alta., Ont., N.B., N.C., S.C.; PA.

Corynoneura lobata Edwards, 1924c: 186.—England.

minuscula. Ont.; PA.

Corynoneura minuscula Brundin, 1949: 833.—Sweden.

oxfordana. Ohio.

Corynoneura oxfordana Boesel & Winner, 1980: 505.—Ohio.

scutellata. N.W.T. s. to Fla., Grld.; PA.; NT; AU.

Corynoneura scutellata Winnertz, 1846: 13.—Germany.

taris. Ohio, N.Y., s. to Miss. & Fla.

Corynoneura taris Roback, 1957a: 61.—N.J.

Genus CRICOTOPUS Wulp

Cricotopus Wulp 1874: 132. Type-species, *Chironomus tibialis* Meigen (Coquillett 1910b: 528).

Subgenus CRICOTOPUS Wulp

abanus. B.C., Man.

Cricotopus abana Curran, 1929: 1.—Man.

absurdus. N.Y., Ohio, N. Mex.

Orthocladius absurdus Johannsen, 1905: 277.—N.Y.

annulator. Ont., Calif., N. Mex.; PA.

Cricotopus annulator Goetghebuer, 1927: 52.—Belgium.

Cricotopus irwini Sublette & Sublette, 1971: 97.—Calif.

baptistensis. Ont.

Cricotopus baptistensis Boesel, 1983: 87.—Ont.

beringensis. Alas.

Cricotopus beringensis Oliver & Dillon, 1988: 475.—Alas.

bicinctus. Widespread NE.; PA.; NT.; AF.

Chironomus bicinctus Meigen, 1818: 41.—Austria.

coronatus. N.W.T., Man., Qué.; PA.

Cricotopus coronatus Hirvenoja, 1973: 222.—Finland.

cumulatus. N.W.T., Grld.; PA.

Cricotopus cumulatus Hirvenoja, 1973: 146.—Grld.

curtus. Sask., N.Y.; PA.

Cricotopus curtus Hirvenoja, 1973: 199.—Germany.

cylindraceus. Man., N.Y.; PA.

Trichocladius cylindraceus Kieffer in Kieffer & Thienemann, 1908: 8.—Germany.

elegans. Mich., Pa., Ohio.

Cricotopus elegans Johannsen, 1943: 78.—Mich.

ephippium. Alas.; PA.

Chironomus ephippium Zetterstedt, 1838: 814.—Sweden.

Ceratopogon humeralis Zetterstedt, 1838: 820.—Sweden.

festivellus. Man., Ont.; PA.

Chironomus festivellus Kieffer, 1906a: 18 (n. nam. for *Chironomus festivus* Meigen, 1830: 252, preocc. Say, 1823).—Europe.

flavocinctus. Man.; PA.

Trichocladius flavocinctus Kieffer, 1924b: 92.—Germany.

fugax. Ont., N.Y., Ky., N.C., s. to Miss. & Fla.

Orthocladius fugax Johannsen, 1905: 279.—N.Y.

fuscus. Ont.; PA.

Trichocladius fuscus Kieffer, 1909: 46.—Germany.

gelidus. N.W.T., Grld.; PA.

Trichocladius gelidus Kieffer, 1922b: 18.—Novaya Zemlya.

infuscatus. Ont., S. Dak., Ill., Ohio, Pa., N. Mex.

Orthocladius infuscatus Malloch, 1915b: 517.—Ill.

Cricotopus aratus Roback, 1957a: 73.—Pa.

Cricotopus ceris Roback, 1957a: 72.—Pa.

lestralis. Alas., N.W.T., Wash., Grld.; PA.

Trichocladius lestralis Edwards, 1924b: 172.—Spitsbergen.

luciae. Ont.

Cricotopus luciae LeSage in LeSage & Harrison, 1980: 91.—Ont.

mackenziensis. N.W.T.

Cricotopus mackenziensis Oliver, 1977: 99.—N.W.T.

macraei. Man.

Cricotopus macraei Sæther, 1971: 1799.—Man.

Cricotopus flannagani Sæther, 1971: 1809.—Man.

patens. Y.T., N.W.T.; PA.

Cricotopus patens Hirvenoja, 1973: 218.—Finland.

pedatus. Mont., N. Mex.

Cricotopus pedatus Sublette, 1967b: 558.—Mont.

pilosellus. Y.T., N.W.T., Grld.; PA.

Cricotopus pilosellus Brundin, 1956: 114.—Sweden.

politus. Sask., Colo., Ill., Ohio, N.Y., D.C., Md., N. Mex. to Fla.

Orthocladius politus Coquillett, 1902b: 93.—D.C.

pulchripes. N.Y.; PA.

Cricotopus pulchripes Verrall, 1912: 22.—Wales.

- slossonae.** Sask. to Ont., s. to Ill., N.Y., Ohio, Ga.
Cricotopus slossonae Malloch, 1915b: 506.—Ill.
- tibialis.** Y.T., N.W.T., Man., N.B., Grld.; PA.
Chironomus tibialis Meigen, 1804: 16.—Europe.
Chironomus basalis Staeger, 1845: 351.—Grld.
Chironomus pavidus Holmgren, 1869: 42.—Spitsbergen.
Cricotopus polaris Kieffer, 1926: 84.—Grld.
Trichocladius bacilliger Kieffer, 1926: 86.—Grld.
- tremulus.** Alta. to N.S., Oreg., Ohio, N.Y., N.J.; PA.
Tipula tremula Linnaeus, 1758: 587.—Sweden.
- triannulatus.** Sask., Ont. to N.Y., s. to Miss. & Fla.; PA.
Chironomus triannulatus Macquart, 1826: 202.—Germany.
Cricotopus exilis Johannsen, 1905: 255.—N.Y.
- trifascia.** Sask., Ont., Ohio, Pa., N.Y., N.C.; PA.
Cricotopus trifascia Edwards, 1929: 322.—England.
Cricotopus ithacanensis Sublette, 1967b: 555.—N.Y.
- trilobus.** Alas.
Cricotopus trilobus Oliver & Dillon, 1988: 485.—Alas.
- tristis.** Y.T., N.W.T.; PA.
Cricotopus tristis Hirvenoja, 1973: 196.—Finland.
- varipes.** N.W.T., Ont., Wash., Ohio, N.Y., Conn., Ga., Fla.
Cricotopus varipes Coquillett, 1902b: 93.—Md.
- vierriensis.** Man., Ohio, Pa., N.Y., N. Mex.; PA.
Cricotopus vierriensis Goetghebuer, 1935: 417.—Belgium.
- Subgenus ISOCLADIUS Kieffer**
Isocladius Kieffer, 1909: 44 (as genus).
 Type-species, *albipes* Kieffer (mon.) = *Tipula silvestris* Fabricius.
- flavibasis.** B.C., Alta., S. Dak., Ill.
Cricotopus flavibasis Malloch, 1915b: 502.—Ill.
- flavipes.** Ohio, Mich., Conn.
Cricotopus flavipes Johannsen, 1942: 73.—Mich.
- glacialis.** Not NE.
Cricotopus glacialis Edwards, 1922: 209.—Spitsbergen.
- intersectus.** Sask., Man., Ohio; PA.
Chironomus intersectus Staeger, 1839: 574.—Denmark.
- laetus.** Ont.; PA.
Cricotopus laetus Hirvenoja, 1973: 264.—Finland.
- laricomalis.** Alas., N.W.T., Qué., Grld.; PA.
Cricotopus laricomalis Edwards, 1932a: 46.—Scotland.
- myriophylli.** B.C., Ont.
Cricotopus myriophylli Oliver, 1984: 1287.—B.C.
- ornatus.** Alas. to N.W.T., Sask., Man., Ont., N.Y.; PA.
Chironomus ornatus Meigen, 1818: 43.—Germany.
- pilitarsis.** Sask., N.Y.; PA.
Chironomus pilitarsis Zetterstedt, 1850: 3565.—Sweden.
- sylvestris.** Widespread NE.; PA.
Tipula sylvestris Fabricius, 1794: 252.—Europe.
- tricinctus.** Utah to N.Y., s. to Tex.; PA.
Chironomus tricinctus Meigen, 1818: 41.—Europe.
- trifasciatus.** B.C., Ont., Idaho to N.Y., s. to N. Mex. & Fla.; PA.
Chironomus trifasciatus Meigen in Panzer, 1813: 18.—Germany.
Cricotopus remus Sublette, 1964b: 115.—La.
- Subgenus NOSTOCOCLADIUS Ashe & Murray**
Nostococladus Ashe & Murray, 1980: 105. Type-species, *lygropis* Edwards (orig. des.).
- nostocicola.** Alta., Mont., N.Y., Ohio s. to Ga., Oreg., Calif.
Cricotopus nostocicola Wirth, 1957: 122.—Calif.
- Subgenus PSEUDOCRICOTOPUS Nishida**
Pseudocricotopus Nishida, 1987: 460 (as subg. of *Cricotopus* Wulp).
 Type-species, *montanus* Tokunaga (orig. des.).
- bifurcatus.** B.C., Wash.
Cricotopus bifurcatus Cranston & Oliver, 1988a: 430.—B.C.

Cricotopus unassigned to subgenus**belkini.** N. Mex. to Ala.*Cricotopus belkini* Dendy & Sublette, 1959: 510.—Ala.**brunnicanus.** Sask.*Cricotopus brunnicanus* Walley, 1928a: 21.—Sask.**versus.** Ont., Ohio., Mich., N.Y., Del.*Cricotopus versus* Boesel, 1983: 85.—Ohio.**edurus.** Calif.*Cricotopus edurus* Sublette & Sublette, 1971: 85.—Calif.**fuscatus.** Calif.*Cricotopus fuscatus* Wirth, 1957: 124.—Calif.**furtivus.** Calif.*Cricotopus furtivus* Sublette & Sublette, 1971: 99.—Calif.**geminatus.** Pa.*Chironomus geminatus* Say, 1823: 14.—Pa.**globistylus.** Utah, N. Mex.*Cricotopus globistylus* Roback, 1957b: 10.—Utah.**junus.** Pa.*Cricotopus junus* Roback, 1957a: 72.—Pa.**obscurifuscus.** Calif.*Cricotopus obscurifuscus* Sublette & Sublette, 1971: 96.—Calif.**oceanicus.** Mass.*Chironomus oceanicus* Packard, 1869: 42.—Mass.**olivetus.** Ohio.*Cricotopus olivetus* Boesel, 1983: 88.—Ohio.**parafuscatus.** Calif.*Cricotopus parafuscatus* Sublette & Sublette, 1971: 90.—Calif.**subfuscus.** Calif.*Cricotopus subfuscus* Sublette & Sublette, 1971: 98.—Calif.**Genus DIPLOCLADIUS Kieffer***Diplocladius* Kieffer in Kieffer & Thienemann, 1908: 6. Type-species, *cultriger* Kieffer (mon.).**cultriger.** Widespread Can. to Nebr., Ohio, N.C., S.C., Grd.; PA.*Diplocladius cultriger* Kieffer in Kieffer & Thienemann, 1908: 6.—Germany*Diplocladius bilobatus* Brundin, 1956: 71.—Sweden.**Genus DIPLOSMITTIA Sæther***Diplosmittia* Sæther, 1981b: 29.Type-species, *harrisoni* Sæther (orig. des.).**carinata.** Mich.*Diplosmittia carinata* Sæther, 1985h: 55.—Mich.**Genus DOITHRIX Sæther & Sublette***Doithrix* Sæther & Sublette, 1983: 6.Type-species, *villosa* Sæther & Sublette (orig. des.).**barberi.** Calif.*Doithrix barberi* Sæther & Sublette, 1983: 21.—Calif.**dillonae.** N.S.*Doithrix dillonae* Cranston & Oliver, 1988a: 432.—N.S.**ensifer.** Calif.*Doithrix ensifer* Sæther & Sublette, 1983: 15.—Calif.**hamiltoni.** B.C.*Doithrix hamiltoni* Sæther & Sublette, 1983: 17.—B.C.**parcivillosa.** Tenn.*Doithrix parcivillosa* Sæther & Sublette, 1983: 12.—Tenn.**villosa.** Man., N.B., N.S., S.C., Tenn.*Doithrix villosa* Sæther & Sublette, 1983: 9.—Tenn.**Genus DONCRICOTOPUS Sæther***Doncricotopus* Sæther, 1981a: 223.Type-species, *bicaudatus* Sæther (orig. des.).**bicaudatus.** N.W.T.*Doncricotopus bicaudatus* Sæther, 1981a: 225.—N.W.T.**Genus EPOICOCLADIUS Zavrel***Epoicocladius* Zavrel in Šulc & Zavrel,1924: 368 (as subg. of *Camptocladius*

Wulp, 1874). Type-species,

Camptocladius ephemerae Kieffer (orig. des.) = *Camptocladius flavens* Malloch.**flavens.** Ont., Mont., N. Dak., s. to Tex., Mich., Ill., s. to Fla.; PA.*Camptocladius flavens* Malloch, 1915b: 511.—Ill.

Camptocladius ephemerae Kieffer in Šulc & Zavrel, 1924: 385.—Czechoslovakia.

Genus ERETMOPTERA Kellogg

Eretmoptera Kellogg, 1900: 82.
Type-species, *browni* Kellogg (orig. des.).

browni. Calif.

Eretmoptera browni Kellogg, 1900: 82.—Calif.

Genus EUKIEFFERIELLA Thienemann

Eukiefferiella Thienemann, 1926: 325.
Type-species, *Dactylocladius longicalcar* Kieffer, 1911c, sensu Thienemann (misident. = *Spaniotoma graciei* Edwards, 1929), (orig. des.) (ICZN ruling required on the true type - species (ICZN 70a)).
Adactylocladius Sæther, 1968: 464.
Type-species, *finsensis* Sæther (mon.) = *Spaniotoma minor* Edwards.

brevinervis. Ill., Ohio, Pa., N. Mex.

Orthocladius brevinervis Malloch, 1915b: 526.—Ill.

claripennis. N.W.T., B.C., Alta., N. Mex., Grld.; PA.; Hawaii.

Chironomus claripennis Lundbeck, 1898: 281.—Grld.

Spaniotoma hospita Edwards, 1929: 351.—England.

cyanea. Alas., ?Oreg.; PA.

Eukiefferiella cyanea Thienemann, 1936b: 61.—Germany.

devonica. Widespread Can., U.S.A.; PA.

Spaniotoma devonica Edwards, 1929: 349.—England.

unicalcar. Alta.

Adactylocladius unicalcar Sæther, 1969: 59.—Alta.

Genus EURYHAPSIS Oliver

Euryhapsis Oliver, 1981: 711.
Type-species, *cilium* Oliver (orig. des.).

annuliventris. Calif.

Metricnemeus annuliventris Malloch, 1915a: 46.—Calif.

cilium. Y.T., N.W.T., Alta.; PA.

Euryhapsis cilium Oliver, 1981: 714.—N.W.T.

illoba. Calif.

Euryhapsis illoba Oliver, 1981: 720.—Calif.

Genus GEORTHOCLADIUS Strenzke

Georthocladius Strenzke, 1941: 185.
Type-species, *Orthocladius luteicornis* Goetghebuer (orig. des.).

Subgenus ATELOPODELLA Sæther

Atelopodella Sæther, 1982: 488.
Type-species, *curticornus* Sæther (orig. des.).

curticornus. S.C.

Georthocladius curticornus Sæther, 1982: 488.—S.C.

Subgenus GEORTHOCLADIUS Strenzke

fimbriosus. Tenn.

Georthocladius fimbriosus Sæther & Sublette, 1983: 32.—Tenn.

platystylus. Calif.

Georthocladius platystylus Sæther & Sublette, 1983: 28.—Calif.

triquetrus. S.C.

Georthocladius triquetrus Sæther & Sublette, 1983: 25.—S.C.

wirthi. Calif.

Georthocladius wirthi Sæther & Sublette, 1983: 30.—Calif.

Genus GYMNO METRIOCNEMUS

Goetghebuer
Gymnometriocnemus Goetghebuer, 1932a: 23 (as subg. of *Metriocnemus* Wulp, 1874). Type-species, *Metriocnemus subnudus* Edwards (Edwards, 1932b: 141). (Technically invalid as no type-species originally designated (ICZN 13b), but treated as above by usage).

Subgenus GYMNO METRIOCNEMUS

Goetghebuer

subnudus. B.C., Ont., N.S., Tenn., N.C.; PA.
Metriocnemus subnudus Edwards, 1929: 316.—England.
Gymnometriocnemus marionensis Sæther, 1969: 129.—B.C.

- Subgenus RAPHIDOCLADIUS** Sæther
Raphidocladius Sæther, 1983b: 211.
 Type-species, *acigus* Sæther (orig. des.)
 = *Metriocnemus brumalis* Edwards.
- brumalis.** B.C., Man. to N.S., Tenn., S.C.; PA.
Metriocnemus brumalis Edwards,
 1929: 316.—England.
Gymnotriocnemus acigus Sæther, 1983b:
 214.—S.C.
- Genus HALOCLADIUS** Hirvenoja
Halocladius Hirvenoja, 1973: 106.
 Type-species, *Chironomus varians* Staeger (orig. des.).
- Subgenus HALOCLADIUS** Hirvenoja
variabilis. Man., Grld.; PA.
Chironomus variabilis Staeger, 1839:
 571.—Denmark.
- Nomen dubium in Halocladius**
Chironomus vitripennis Meigen, 1818:
 32.—Europe.
- Genus HELENIELLA** Gowin
Heleniella Gowin, 1943: 116.
 Type-species, *thienemanni* Gowin (orig. des.) = *Spaniotoma ornaticollis* Edwards.
- curtistica.** B.C., Alta., Ont.
Heleniella curtistica Sæther, 1969:
 130.—B.C.
- hirta.** Ont., Qué., N.S.
Heleniella hirta Sæther, 1969: 134.—Qué.
- parva.** S.C., Tenn.
Heleniella parva Sæther, 1985b: 532.—S.C.
- Genus HETEROTANYTARSUS** Spärck
Heterotanytarsus Spärck, 1923: 92.
 Type-species, *Metriocnemus apicalis* Kieffer (mon.).
- nudalus.** Ont.
Heterotanytarsus nudalus Sæther, 1975b:
 263.—Ont.
- perennis.** B.C.
Heterotanytarsus perennis Sæther, 1975b:
 260.—B.C.

- Genus HETEROTRISSOCCLADIUS** Spärck
Heterotrissocladius Spärck, 1923: 94.
 Type-species, *Metriocnemus cubitalis* Kieffer (Goetghebuer in Goetghebuer & Lenz, 1940: 6) ?= *Chironomus marcidus* Walker.
- changi.** N.W.T., Alta. to Ont., N.Y., s. to Ill., Ind.
Heterotrissocladius changi Sæther, 1975a:
 47.—Man.
- cooki.** Minn.
Heterotrissocladius cooki Sæther, 1975a:
 41.—Minn.
- hirtapex.** Ont.
Heterotrissocladius hirtapex Sæther, 1975a:
 39.—Ont.
- latilaminus.** B.C., Mont.
Heterotrissocladius latilaminus Sæther, 1975a: 36.—B.C.
- mæaeri.** Alas.; PA.
Heterotrissocladius mæaeri Brundin, 1949: 812.—Sweden.
- marcidus.** B.C., Ont., Qué., N.Y., Mich., N.C., S.C., Fla.; PA.
Chironomus marcidus Walker, 1956a: 177.—England.
- oliveri.** N.W.T., B.C. to Ont., s. to Calif., N.Y.; PA.
Heterotrissocladius oliveri Sæther, 1975a: 19.—N.W.T.
- subpilosus.** N.W.T.; PA.
Dactylocladius subpilosus Kieffer in Kieffer & Lundbeck, 1911: 273.—Bear Island.
- Genus HYDROBAENUS** Fries
Hydrobaenus Fries, 1830: 177.
 Type-species, *lugubris* Fries (orig. des.).
- calvescens.** S. Dak.
Hydrobaenus calvescens Sæther, 1976: 158.—S. Dak.
- conformis.** N.W.T., Qué., Labr., Grld.; PA.
Chironomus conformis Holmgren, 1869: 42.—Spitsbergen.
- Hydrobaenus conformis conformis* Holmgren (Sæther, 1976: 83).
- Hydrobaenus conformis labradorensis* Sæther, 1976: 89.—Qué., Labr.
- Orthocladius natvigi* Goetghebuer, 1933: 25.—Franz Joseph Land.

fusistylus. Alas., N.W.T., Alta., Mont., Colo., Grld.
Orthocladius fusistylus Goetghebuer, 1933: 26.—Grld.
Hydrobaenus fusistylus var. *fusistylus* (Goetghebuer), Sæther, 1976: 94.
Hydrobaenus fusistylus var. *octomerus* Sæther, 1976: 99.
hudsoni. S. Dak.
Hydrobaenus hudsoni Sæther, 1976: 131.—S. Dak.
johannseni. Man., Ont., S. Dak., Minn., Ohio, N.Y., Md., Ark., N.C., S.C.
Orthocladius johannseni Sublette, 1967b: 504 (n. nam. for *Orthocladius nivoriundus* Johannsen, 1934: 348, preocc. Fitch, 1847).—N.Y.
Orthocladius domus Sublette, 1966: 594.—Md.
Trissocladius hamiltoni Sæther, 1969: 42.—Man.
laticaudus. Alas.
Hydrobaenus laticaudus Sæther, 1976: 80.—Alas.
martini. N.W.T., N.B.; PA.
Hydrobaenus martini Sæther, 1976: 134.—N.W.T.
pilipes. Ont., Qué., S. Dak., Ohio, Ill., Calif., N. Mex., N.C., S.C., Fla.
Orthocladius pilipes Malloch, 1915b: 522.—Ill.
pilipodex. S. Dak., Ark., Ala.
Hydrobaenus pilipodex Sæther, 1976: 144.—S. Dak.
scapulapilosus. Alas., Ont.
Hydrobaenus scapulapilosus Sæther, 1976: 124.—Ont.
spinnatis. Ont., Qué.; PA.
Hydrobaenus spinnatis Sæther, 1976: 152.—Qué.
travisi. Mass.
Hydrobaenus travisi Sæther, 1989b: 55.—Mass.
tumidistylus. N.W.T.
Hydrobaenus tumidistylus Sæther, 1976: 160.—N.W.T.
virgo. Ont.
Hydrobaenus virgo Sæther, 1976: 128.—Ont.

Genus KRENOSMITTIA Thienemann & Krüger
Krenosmittia Thienemann & Krüger, 1939: 253. Type-species, *Smittia gynocera* Edwards, 1937, sensu Thienemann & Krüger (misident. = *Spaniotoma*

camptophleps Edwards, 1929) (orig. des.).
?borealpina. B.C., Alta.; PA.
Smittia borealpina Goetghebuer, 1944: 43.—Austria.
?camptophleps. B.C.; PA.
Spaniotoma camptophleps Edwards, 1929: 353.—Great Britain.
halvorseni. N.W.T., N.B.; PA.
Rheosmittia halvorseni Cranston & Sæther, 1986: 45.—Norway.

Genus LIMNOPHYES Eaton
Limnophyes Eaton, 1875: 60.
Type-species, *pusillus* Eaton (mon.).

asquamatus. N.Y., Grld.; PA.
Limnophyes eltoni var. *asquamatus* Andersen, 1937: 72.—Grld.
atomarius. N.Y., Grld.; PA.
Chironomus atomarius Zetterstedt, 1850: 3522.—Sweden.
borealis. Y.T. to Grld., N.B., s. to Minn., Tenn., N.C., S.C.; PA.
Limnophyes borealis Goetghebuer, 1933: 29.—Grld.
Limnophyes spatulosus Sæther, 1975d: 1055.—Minn.
carolinensis. Ont., Minn., Tenn., N.C., S.C.
Limnophyes carolinensis Sæther, 1975d: 1050.—S.C.
coloradensis. Colo.
Limnophyes coloradensis Sæther, 1975d: 1052.—Colo.
eltoni. Grld.; PA.
Campiocladius eltoni Edwards, 1922: 203.—Bear Island.
fumosus. Ont., N.S., N.Y., N.C., S.C., Ga.
Campiocladius fumosus Johannsen, 1905: 261.—N.Y.
Limnophyes cristatissimus Sæther, 1975d: 1032.—S.C.
globifer. Y.T., N.W.T., Alta., Man., Ont., Grld.; PA.
Campiocladius globifer Lundström, 1915: 16.—U.S.S.R.
Limnophyes folliculatus Sæther, 1975d: 1050.—Man.
groenlandiensis. Grld.
Limnophyes groenlandiensis Andersen, 1937: 70.—Grld.
hamiltoni. Alas. to N.W.T., B.C., Ont., Calif., Grld.
Limnophyes hamiltoni Sæther, 1969: 101.—B.C.

- hastulatus.** B.C., Ont., S. Dak., Minn.
Limnophyes hastulatus Sæther, 1975d: 1054.—S. Dak.
- immucronatus.** Widespread Can. s. to N. Mex., Nebr., N.C., S.C.; ?PA.
Limnophyes immucronatus Sæther, 1969: 103.—B.C.
- Limnophyes hudsoni* Sæther, 1975d: 1032.—Nebr.
- margaretae.** Man.
Limnophyes margaretae Sæther, 1975d: 1053.—Man.
- minimus.** Idaho, Colo., Ohio, N.Y.; PA.
Chironomus minimus Meigen, 1818: 47.—Europe.
- ninae.** N.W.T., Man., Ont.
Limnophyes ninae Sæther, 1975d: 1048.—Man.
- nudiradius.** Man., S. Dak.
Limnophyes nudiradius Sæther, 1975d: 1048.—S. Dak.
- pilicistulus.** Y.T., B.C., Oreg., S. Dak.
Limnophyes pilicistulus Sæther, 1975d: 1049.—S. Dak.
- prolongatus.** Y.T., N.W.T., Man., Grld.; PA.
Camptocladius pentaplastus var. *prolongatus* Kieffer in Thienemann, 1921: 810.—Germany.
- pumilio.** Grld.; PA.
Chironomus pumilio Holmgren, 1869: 41.—Spitsbergen.
- recisus.** S. Dak., Nebr., N. Mex.
Limnophyes recisus Sæther, 1975d: 1052.—Nebr.

Genus LIPUROMETRIOCNEMUS Sæther
Lipurometriocnemus Sæther, 1981b: 13.
 Type-species, *glabalus* Sæther (orig. des.).

vixlobatus. Y.T., S.C.
Lipurometriocnemus vixlobatus Sæther, 1982: 477.—S.C.

Genus LOPESCLAUDIUS Oliveira
Lopescladius Oliveira, 1967: 417.
 Type-species, *minutissimus* Oliveira (orig. des.).
Cordites Brundin, 1966: 428 (nom. nud.).

Subgenus CORDIELLA Coffman & Roback
Cordiella Coffman & Roback, 1984: 130.
 Type-species, *hyporheicus* Coffman & Roback (orig. des.).

- hyporheicus.** Pa., Va.
Lopescladius hyporheicus Coffman & Roback, 1984: 131.—Pa. 26
- Subgenus LOPESCLAUDIUS** Oliveira
- inermis.** Kans.
Lopescladius inermis Sæther, 1983c: 293.—Kans.
- verruculosus.** Ill., Mex.; NT.
Lopescladius verruculosus Sæther, 1983c: 289.—Mex.
- Genus MESOCRICOTOPUS** Brundin
Mesocricotopus Brundin, 1956: 114.
 Type-species, *Trichocladius thienemanni* Goetghebuer (orig. des.).
- thienemanni.** N.W.T., Alta., Man.; PA.
Trichocladius thienemanni Goetghebuer, 1940: 69.—Sweden.
- Genus MESOSMITTIA** Brundin
Mesosmittia Brundin, 1956: 163.
 Type-species: *Spaniotoma flexuella* Edwards, (orig. des.). (*Spaniotoma flexuella* is type-species of *Pseudorthocladius* Goetghebuer (q.v. by Edwards, 1932b: 141) ICZN ruling required).
- acutistylus.** N. Mex.
Mesosmittia acutistylus Sæther, 1985g: 43.—N. Mex.
- lobiga.** N. Mex.
Mesosmittia lobiga Sæther, 1985g: 45.—N. Mex.
Spaniotoma flexuella Edwards, 1929: 349 (sensu Sublette & Sublette, 1979: 77, misident.).
- mina.** Ga.
Mesosmittia mina Sæther, 1985g: 46.—Ga.
patrihortae. Ky., S.C., Ga.
Mesosmittia patrihortae Sæther, 1985g: 47.—S.C.
- prolixa.** Kans., Ill., Ky., Tenn., N. Mex., Ga.
Mesosmittia prolixa Sæther, 1985g: 48.—Kans.
- tora.** S. Dak.
Mesosmittia tora Sæther, 1985g: 50.—S. Dak.
Spaniotoma flexuella Edwards, 1929: 349 (sensu Sæther, 1973a: 59, misident.).

Genus METRIOCNEMUS Wulp

- Metriocnemus* Wulp, 1874: 136.
Type-species, *Chironomus albolineatus* Meigen (Coquillett, 1910: 569).
- abdominoflavatus.** Ky., N.C., s. to Miss. & Fla.; NT.
Metriocnemus abdomino-flavatus Picado, 1913: 284.—Costa Rica.
- aqualis.** Ill., N.Y., Ohio.
Metriocnemus aequalis Johannsen, 1934: 348.—N.Y.
- albolineatus.** Colo., N.Y., Ohio, Grld.; PA.
Chironomus albolineatus Meigen, 1818: 39.—?Germany.
- Chironomus atratulus* Zetterstedt, 1850: 3590.—Norway.
- brusti.** Man.
Metriocnemus brusti Sæther, 1989a: 407.—Man.
- edwardsi.** B.C., Calif.
Metriocnemus edwardsi Jones, 1916: 385.—Calif.
- fuscipes.** S. Dak., N.Y., Grld.; PA.
Chironomus fuscipes Meigen, 1818: 49.—?Germany.
- knabi.** Man. to Nfld., s. to Miss. & Fla.; Bermuda.
Metriocnemus knabi Coquillett, 1904: 11.—Mass.
- longipennis.** Alas.; PA.
Smittia longipennis Holmgren, 1883: 181.—Novaya Zemlya.
- obscuripes.** N.W.T., Minn., Ont., N.B., S.C., Grld.; PA.
Chironomus obscuripes Holmgren, 1869: 38.—Spitsbergen.
- Metriocnemus hygropetricus* Kieffer, 1912c: 86.—Germany.
- Metriocnemus longitarsus* Goetghebuer, 1921: 77.—Belgium.
- perfuscus.** N.W.T.
Metriocnemus perfuscus Malloch, 1934: 18.—N.W.T.
- picipes.** Grld.; PA.
Chironomus picipes Meigen, 1818: 52.—Not stated, ?Germany.
- polaris.** N.W.T., Grld.
Metriocnemus polaris Kieffer, 1926: 87.—N.W.T.
- tristellus.** Grld.; PA.
Metriocnemus tristellus Edwards, 1929: 312.—England.

ursinus. N.W.T., n. Qué., Grld.; PA.

Chironomus ursinus Holmgren, 1869: 39.—Spitsbergen.

yaquina. Oreg.

Metriocnemus yaquina Cranston & Judd, 1987: 534.—Oreg.

Genus NANOCLADIUS Kieffer

- Nanocladius* Kieffer, 1913d: 31.
Type-species, *vitellinus* Kieffer (orig. des.).
- Microcricotopus* Thienemann & Harnisch, 1932: 137.
Type-species, *Cricotopus albicornis* Goetghebuer (Goetghebuer in Goetghebuer & Lenz, 1944: 114) = *Chironomus bicolor* Zetterstedt.

Subgenus NANOCLADIUS Kieffer

- alternantherae.** N. Mex. to N.C., s. to Fla.
Nanocladius alternantherae Dendy & Sublette, 1959: 510.—Ala.
- anderseni.** N.W.T., Sask., Man., S. Dak., Nebr., Ill.
Nanocladius anderseni Sæther, 1977b: 16.—Nebr.
- crassicornus.** Sask., Nebr., Iowa.
Nanocladius crassicornus Sæther, 1977b: 51.—Iowa.
- distinctus.** N.W.T., B.C. to Ont., s. to Nebr., Ill., N.C., S.C., Fla.
Orthocladius distinctus Malloch, 1915b: 518.—Ill.
- incomptus.** Ont., N.C., S.C.
Nanocladius incomptus Sæther, 1977b: 43.—S.C.
- mallochi.** Ill., Ohio.
Nanocladius mallochi Sublette, 1970: 70 (n. nom. for *Orthocladius distinctus* var. *bicolor* Malloch, 1915b: 519, preocc. Zetterstedt, 1838).—Ill.
- minimus.** N.C., S.C.
Nanocladius minimus Sæther, 1977b: 21.—S.C.
- rectinervis.** Man., Ont., N.Y., Colo., Nebr., N.C., S.C.; PA.
Cricotopus rectinervis Kieffer, 1911c: 199.—Germany.
- spiniplenus.** Sask., Ont., N.B., Ohio, N.C., S.C.
Nanocladius spiniplenus Sæther, 1977b: 37.—Ont.

Subgenus PLECOPTERACOLUTHUS Steffan

Plecopteracoluthus Steffan, 1965: 1330.
Type-species, *downesi* Steffan (orig. des.).

branchicolus. Sask., Ont., N.Y.

Nanocladius branchicolus Sæther, 1977b: 12.—Ont.

downesi. Ont., Qué., Mich., N.C.

Plecopteracoluthus downesi Steffan, 1965: 1331.—Qué.

Genus OLIVERIDIA Sæther

Oliveridia Sæther, 1980a: 399 (n. nam. for *Oliveria* Sæther).

Oliveria Sæther, 1976: 48. (preocc. Sutherland, 1965). Type-species, *Trissocladius tricornis* Oliver (orig. des.).

hugginsi. Kans.

Oliveridia hugginsi Ferrington & Sæther, 1987: 452.—Kans.

tricornis. N.W.T., Grld.; PA.

Trissocladius tricornis Oliver, 1976: 1055.—N.W.T.

Genus OREADOMYIA Kevan &

Cutten-Ali-Khan

Oreadomyia Kevan & Cutten-Ali-Khan, 1975: 856. Type-species, *albertae* Kevan & Cutten-Ali-Khan (orig. des.).

albertae. Alta.

Oreadomyia albertae Kevan & Cutten-Ali-Khan, 1975: 856.—Alta.

Genus ORTHOCLADIUS Wulp

Orthocladius Wulp, 1874: 132.

Type-species, *Tipula stercoraria* De Geer, 1776: 388 sensu Wulp (misident. = *Chironomus oblidens* Walker) (Coquillett, 1910: 581), (ICZN ruling required on conservation of misident. type-species (ICZN 70a)).

Subgenus EUDACTYLOCLADIUS

Thienemann

Eudactylocladius Thienemann, 1935: 206 (as genus). Type-species, *Dactylocladius fuscimanus* Kieffer (orig. des.).

dubitatus. N.Y., Pa., Ohio.

Orthocladius dubitatus Johannsen, 1942: 72.—N.Y.

gelidus. N.W.T., Grld.; PA.

Orthocladius gelidus Kieffer, 1922b:

13.—Novaya Zemlya.

mixtus. N.W.T.; PA.

Chironomus mixtus Holmgren, 1869:

45.—Bear Island.

nansenii. N.W.T.

Orthocladius nansenii Kieffer, 1926:

84.—N.W.T.

Subgenus EUORTHOCLADIUS Thienemann

Euorthocladius Thienemann, 1935: 201 (as genus). Type-species, *Orthocladius thienemanni* Kieffer (orig. des.).

Rheorthocladius Thienemann, 1935: 205 (as genus). Type-species, *Orthocladius saxicola* Kieffer (orig. des.).

Lapporthocladius Thienemann in

Thienemann & Krüger, 1937: 266 (as genus). Type-species, *Orthocladius abiskoensis* Edwards (orig. des.).

abiskoensis. Can., U.S.A.; PA.

Orthocladius abiskoensis Edwards, 1937: 144.—Sweden.

difficilis. N.W.T., Grld.

Chironomus difficilis Lundbeck, 1898: 282.—Grld.

rivicola. N.W.T., Sask., Grld.; PA.

Orthocladius rivicola Kieffer, 1911c: 181.—Germany.

rivulorum. Sask.; PA.

Orthocladius rivulorum Kieffer, 1909: 48.—Germany.

saxosus. Can., U.S.A.; PA.

Spaniotoma saxosus Tokunaga, 1939: 326.—Japan.

thienemanni. Can., U.S.A., Grld.; PA.

Orthocladius thienemanni Kieffer in Kieffer & Thienemann, 1906: 143.—Germany.

Subgenus ORTHOCLADIUS Wulp**annectens.** N.W.T., B.C. to Ont., Minn., N.Y., N.J., Pa., s. to Miss. & Fla.

Orthocladius annectens Sæther, 1969: 61.—Man.

appersoni. Alas., Y.T., Mont., Colo., Calif., N.Y.

Orthocladius appersoni Soponis, 1977: 27.—Calif.

- barbicornis.** Wash., S. Dak., Minn.; PA.
Tipula barbicornis Linnaeus, 1767:
 974.—Europe.
- carlatus.** Sask., Minn., Ohio, Pa., N.Y., Md.,
 Oreg., Calif., N. Mex., Ark.
Hydrobaenus carlatus Roback, 1957a:
 77.—Pa.
- charensis.** N.W.T., Grld.
Orthocladius charensis Soponis, 1977:
 33.—N.W.T.
- clarkei.** Ont., Minn., Iowa, Ill., Pa., Tex.
Orthocladius clarkei Soponis, 1977:
 37.—Ont.
- cooki.** Minn., Pa.
Orthocladius cooki Soponis, 1977:
 41.—Minn.
- curtiseta.** B.C.
Orthocladius curtiseta Sæther, 1973a: 58
 (n. nam. for *Orthocladius breviseta*
 Sæther, 1969: 65, preocc. Kieffer,
 1923c).—B.C.
- decoratus.** N.W.T., Grld.; PA.
Chironomus decoratus Holmgren, 1869:
 43.—Spitsbergen.
- dentifer.** Alas., N.W.T., Oreg. to Ont., Nev.,
 Wyo.; PA.
Orthocladius dentifer Brundin, 1947:
 21.—Sweden.
- dorenum.** Y.T., N.W.T., Oreg. to N.B., N.Y.,
 Colo., N. Mex., N.C., S.C.
Hydrobaenus dorenum Roback, 1957a:
 78.—Pa.
- Orthocladius currani** Sublette, 1967a:
 315.—N.Y.
- excavatus.** Alta.; PA.
Orthocladius excavatus Brundin, 1947:
 20.—Sweden.
- ferringtoni.** Kans.
Orthocladius ferringtoni Soponis, 1983:
 571.—Kans.
- frigidus.** Grld.; PA.
Chironomus frigidus Zetterstedt, 1838:
 811.—Grld., ?Sweden.
- groenlandensis.** Grld.
Orthocladius groenlandensis Goetghebuer,
 1933: 26.—Grld.
- hazenensis.** N.W.T.
Orthocladius hazenensis Soponis, 1977:
 56.—N.W.T.
- hellenthali.** Alas., N.W.T., Calif., N. Mex.
Orthocladius hellenthali Soponis, 1977:
 57.—Calif.
- knabeni.** Grld.; PA.
Orthocladius knabeni Goetghebuer, 1933:
 26.—Grld.
- knuthi.** N.W.T., Grld.; PA.
Orthocladius knuthi Soponis, 1977:
 58.—Grld.
- lapponicus.** N.W.T., Ohio, Grld.; PA.
Orthocladius lapponicus Goetghebuer,
 1940: 60.—Sweden.
- mallochi.** N.W.T., Wash. to Ont., s. to Calif.,
 N. Mex., Ill., Md.
Orthocladius mallochi Kieffer, 1919b: 191
 (n. nam. for *Orthocladius lacteipennis*
 Malloch, 1915b: 524, preocc.
 Lundström, 1910).—Mich.
- manitobensis.** N.W.T., Man., Minn.
Orthocladius manitobensis Sæther, 1969:
 69.—Man.
- nigritus.** Sask. to Qué., s. to Minn. & Va.,
 Utah.
Orthocladius nigritus Malloch, 1915b:
 525.—Md.
- oblidens.** N.W.T., Qué.; PA.
Chironomus oblidens Walker, 1956a:
 180.—England.
- obumbratus.** Alas., widespread s. of N.W.T.
Orthocladius obumbratus Johannsen, 1905:
 281.—N.Y.
- Hydrobaenus paradorenum** Roback, 1957a:
 79.—Pa.
- oliveri.** Oreg. to Qué., s. to Tex., Ala., Pa.
Orthocladius oliveri Soponis, 1977:
 87.—Qué.
- robacci.** Sask., Pa.
Orthocladius robacci Soponis, 1977:
 92.—Pa.
- smolandicus.** N.W.T., Alta., Man., Minn.; PA.
Orthocladius smolandicus Brundin, 1947:
 22.—Sweden.
- subletti.** Idaho, Mont., Calif., Utah & Colo.
Orthocladius subletti Soponis, 1977:
 95.—Idaho.
- trigonolabis.** N.W.T., Colo., Utah, Wyo., N.
 Mex.; PA.
Orthocladius trigonolabis Edwards, 1924b:
 170.—Spitzbergen.
- wiensi.** Man., S. Dak., Minn.
Orthocladius wiensi Sæther, 1969:
 73.—Man.
- Subgenus POGONOCLADIUS** Brundin
Pogonocladius Brundin, 1956: 99.
 Type-species, *Chironomus consobrinus*
 Holmgren (orig. des.).
- consobrinus.** N.W.T., Ont., Grld.; PA.
Chironomus consobrinus Holmgren, 1869:
 44.—Spitsbergen.

Subgenus SYMPOSIOCLODIUS Cranston
Sympoziocladius Cranston, 1982: 419 (as genus). Type-species, *Orthocladius lignicola* Kieffer (orig. des.).

lignicola. Y.T., B.C. to Qué., Oreg., Minn., Tex.; PA.
Orthocladius lignicola Kieffer in Potthast, 1915: 273.—Germany.
Orthocladius tryoni Soponis, 1977: 100.—Minn.

Orthocladius unassigned to subgenus

spitzbergensis. Grld.; PA.
Dactylocladius spitzbergensis Kieffer in Kieffer & Thienemann, 1919: 116.—Spitsbergen.

Genus PARACHAETOCLADIUS Wülker
Parachaetocladius Wülker, 1959: 44 (as subg. of *Chaetocladius* Kieffer, 1911c). Type-species, *abnobaetus* Wülker (mon.).
Habrobaenus Sæther, 1977a: 2354. Type-species, *hudsoni* Sæther (orig. des.).

abnobaetus. Man., Ont., N.S., Pa., Tenn., N.C., S.C., Ga.; PA.
Chaetocladius abnobaetus Wülker, 1959: 44.—Germany.
Habrobaenus hudsoni Sæther, 1977a: 2355.—S.C.
Parachaetocladius abnobeus (error), Sæther & Sublette, 1983: 39.

hirtipectus. B.C.
Parachaetocladius hirtipectus Sæther, 1969: 100.—B.C.
imberbus. B.C., Calif.
Parachaetocladius imberbus Sæther & Sublette, 1983: 44.—Calif.

Genus PARACLADIUS Hirvenoja
Paracladius Hirvenoja, 1973: 90. (n. nam. for *Paratrichocladius* Thienemann).
Paratrichocladius Thienemann, 1942: 314. (preocc. Santos Abreu, 1918). Type-species, *Chironomus inserpens* Walker (orig. des.). = *Chironomus conversus* Walker.

alpicola. N.W.T., Labr.; PA.
Chironomus alpicola Zetterstedt, 1850: 3500.—Sweden.

conversus. N. Mex.; PA.
Chironomus conversus Walker, 1956a: 175.—England.
quadrinodosus. Alas., N.W.T., Grld.; PA.
Paracladius quadrinodosus Hirvenoja, 1973: 98.—Sweden.

Genus PARACRICOTOPUS Thienemann & Harnisch
Paracricotopus Thienemann & Harnisch, 1932: 136. Type-species, *Cricotopus niger* Kieffer (Brundin, 1956: 119).

glaber. S.C.
Paracricotopus glaber Sæther, 1980b: 138.—S.C.
millrockensis. N.C., S.C., Ga.
Paracricotopus millrockensis Caldwell, 1985: 161.—Ga.
mozleyi. Ga.
Paracricotopus mozleyi Steiner, 1983: 329.—Ga.

Genus PARAKIEFFERIELLA Thienemann
Parakiefferiella Thienemann, 1936a: 195. Type-species, *Spaniotoma coronata* Edwards (orig. des.).
Maricladius Sublette, 1970: 84. Type-species, *Camptocladius subaterrimus* Malloch (orig. des.).

bathophila. Can., U.S.A.; PA.
Dactylocladius bathophilus Kieffer, 1912c: 88.—Germany.
coronata. Can., U.S.A.; PA.
Spaniotoma coronata Edwards, 1929: 354.—Great Britain.
gracillima. Alas.; PA.
Camptocladius gracillimus Kieffer, 1924b: 74.—Germany.
nigra. Alas., N.W.T.; PA.
Parakiefferiella nigra Brundin, 1949: 827.—Sweden.
subaterrima. N.W.T., Sask. to Qué., Ill.
Camptocladius subaterrimus Malloch, 1915b: 512.—Ill.
Parakiefferiella torulata Sæther, 1969: 138.—Man.

- Genus PARALIMNOPHYES** Brundin
Paralimnophyes Brundin, 1956: 129.
 Type-species, *Campylocladius hydrophilus* Goetghebuer (orig. des.).
- arcticus.** Alas., N.W.T.; PA.
Paralimnophyes arcticus Brundin, 1956:
 130.—Sweden.
- Genus PARAMETRIOCNEMUS** Goetghebuer
Parametriocnemus Goetghebuer, 1932a: 22
 (as subg. of *Metricnemus* Wulp, 1874). Type-species, *Metricnemus stylatus* Kieffer (mon.).
- eoclivus.** Qué.
Parametriocnemus eoclivus Sæther, 1969:
 108.—Qué.
- graminicola.** Y.T., N.W.T., Alta., Grld.
Chironomus graminicola Lundbeck, 1898:
 278.—Grld.
- hamatus.** N.Y. to Maine, s. to Conn.
Metricnemus hamatus Johannsen, 1934:
 349.—N.Y.
- lundbeckii.** Alta. to Qué., s. to Fla., Calif. to Tex., Grld.
Metricnemus lundbeckii Johannsen, 1905:
 302 (n. nam. for *Chironomus nanus* Lundbeck, 1898: 285, preocc. Meigen, 1818).—Grld.
- Metricnemus innocuus* Curran, 1930:
 33.—N.Y.
- stylatus.** Ont.; PA.
Metricnemus stylatus Kieffer, 1924b:
 97.—Germany.
- vespertinus.** Alta.
Parametriocnemus vespertinus Sæther, 1969: 119.—Alta.
- Genus PARAPHAENOCLAUDIUS** Thienemann
Paraphaenocladius Thienemann in Spärck & Thienemann, 1924: 223.
 Type-species, *Metricnemus ampullaceus* Kieffer (orig. des.) = *Chironomus impensus* Walker.
- brevinervis.** N.W.T.
Chironomus brevinervis Holmgren, 1869: 39.—N.W.T.
- Metricnemus despectus* Kieffer, 1926:
 87.—N.W.T.
- debilipennis.** N.Y., Grld.
Chironomus debilipennis Lundbeck, 1898:
 286.—Grld.

- exagitans.** S. Dak., Colo., Kans., Wis., Ill., Ohio, N.Y.
Metricnemus exagitans Johannsen, 1905:
 303.—N.Y.
- Metricnemus brachyneura* Malloch, 1915b:
 498.—Ill.
- impensus.** Ont., Grld.; PA.
Chironomus impensus Walker, 1956a:
 184.—England.
- nasthecus.** Man., S. Dak.
Paraphaenocladius nasthecus Sæther, 1969:
 123.—Man.
- Genus PARASMITTIA** Strenzke
Parasmittia Strenzke, 1950: 270.
 Type-species, *carinata* Strenzke (orig. des.).
- carinata.** N.S.; PA.
Parasmittia carinata Strenzke, 1950:
 270.—Austria, Germany.
- Genus PARATRICHOCLELIUS** Santos Abreu
Paratrichocadius Santos Abreu, 1918: 204
 (as subg. of *Orthocladius* Wulp, 1874). Type-species, *Orthocladius tenuipes* Becker, (Hirvenoja, 1973: 88) = *Chironomus rufiventris* Meigen.
Syncricotopus Brundin, 1956: 106.
 Type-species, *Chironomus rufiventris* Meigen (orig. des.).
- nitidus.** Man., Utah, Ill., Iowa, N.Y.
Orthocladius nitidus Malloch, 1915b:
 515.—Ill.
- Trichocadius helis* Roback, 1957b:
 15.—Utah.
- Syncricotopus fontinalis* Sæther, 1969:
 77.—Man.
- rufiventris.** Ont.; PA.
Chironomus rufiventris Meigen, 1830:
 249.—Middle Europe.
- skirwithensis.** N.B., N.S.; PA.
Spaniotoma skirwithensis Edwards, 1929:
 329.—England.
- Genus PARATRISOCLELIUS** Zavrel
Paratrisocadius Zavrel, 1937: 10 (as subg. of *Trissocadius* Kieffer in Kieffer & Thienemann 1908). Type-species, *Trissocadius fluvialis* Goetghebuer (orig. des.) = *Chironomus excerptus* Walker.

lawrencensis. Ont.

Paratrisocladius lawrencensis Cranston & Oliver, 1988a: 445.—Ont.

Genus PARORTHOCLADIUS Thienemann

Parorthocladius Thienemann, 1935: 213.
Type-species, *Dactylocladius nudipennis* Kieffer (orig. des.).

Unnamed species.—B.C., Oreg., Mont., Alta., Ont.

Genus PLATYSMITIA Sæther

Platysmittia Sæther, 1982: 503.
Type-species, *fimbriata* Sæther (orig. des.).

bilyji. Man.

Platysmittia bilyji Sæther, 1985a: 528.—Man.

fimbriata. Tenn.

Platysmittia fimbriata Sæther, 1982: 505.—Tenn.

Genus PLHUDSONIA Sæther

Plhudsonia Sæther, 1982: 466.
Type-species, *partita* Sæther (orig. des.).

partita. N.S., Tenn.

Plhudsonia partita Sæther, 1982: 467.—Tenn.

Genus PSECTROCLADIUS Kieffer

Psectrocladius Kieffer, 1906a: 26 (as subgenus of *Orthocladius* Wulp, 1874).
Type-species, *Orthocladius psilopterus* Kieffer (Kieffer, 1906b: 356.).

Subgenus ALLOPSECTROCLADIUS Wülker

Allopsectrocladius Wülker, 1956: 12.
Type-species, *Chironomus dilatatus* Wulp (orig. des.).

flavus. Sask., S. Dak., Ill., N.Y., Pa.

Orthocladius flavus Johannsen, 1905: 270.—N.Y.

nigrus. Alta., Pa.

Psectrocladius nigrus Roback, 1957a: 88.—Pa.

obvius. N.W.T., n. Qué.; PA.

Chironomus obvius Walker, 1956a: 174.—England.

Subgenus MONOPSECTROCLADIUS Wülker

Monopsectrocladius Wülker, 1956: 10.
Type-species, *Spaniotoma calcarata* Edwards (orig. des.).

calcaratus. N.W.T., Alta.; PA.

Spaniotoma calcarata Edwards, 1929: 333.—England.

Subgenus PSECTROCLADIUS Kieffer**barbatimanus.** N.W.T., Grld.; PA.

Psectrocladius barbatimanus Kieffer, 1926: 82.—N.W.T.

barbimanus. N.W.T., Sask., S. Dak., Grld.; PA.

Spaniotoma barbimanus Edwards, 1929: 333.—England.

Psectrocladius armatus Andersen, 1937: 56.—Grld.

fennicus. N.W.T., Labr., Grld.; PA.

Psectrocladius fennicus Storå 1939: 24.—Finland.

limbatellus. N.W.T., S. Dak., Grld.; PA.

Chironomus limbatellus Holmgren, 1869: 44.—Spitzbergen.

Psectrocladius edwardsi Brundin, 1949: 816.—Sweden.

psilopterus. Ohio.

Orthocladius psilopterus Kieffer in Kieffer & Thienemann, 1906: 144.—Germany.

semicirculatus. Ont.

Psectrocladius semicirculatus Sæther, 1969: 79.—Ont.

simulans. Alta., Sask., Ont., N.Y., Ohio; PA.

Spaniotoma simulans Johannsen, 1937a: 67.—N.Y.

sordidellus. Not NE.

Chironomus sordidellus Zetterstedt, 1838: 814.—Sweden.

vernalis. Ont., Minn. to N.Y., s. to Miss. & Fla., Wyo., Utah, Colo.

Orthocladius vernalis Malloch, 1915b: 520.—Ill.

zetterstedti. B.C., Ont.; PA.

Psectrocladius zetterstedti Brundin, 1949: 816.—Sweden.

Psectrocladius unassigned to subgenus**brevicosta.** Wash.*Psectrocladius brevicosta* Kieffer, 1917: 362.—Wash.**elatus.** N.Y. s. to Fla., Neb. s. to Miss.*Psectrocladius elatus* Roback, 1957a: 89.—N.J.**pilosus.** S. Dak., N.J.*Psectrocladius pilosus* Roback, 1957a: 88.—N.J.**polaris.** N.W.T.*Psectrocladius polaris* Kieffer, 1926: 83.—N.W.T.**spinifer.** Calif.*Orthocladius spinifer* Johannsen, 1928: 34.—Calif.**Genus PSEUDORTHOCLODIUS Goetghebuer***Pseudorthocladius* Goetghebuer, 1932a: 93 (as subg. of *Orthocladius* Wulp, 1874).Type-species, *Hydrobaenus curtistylus* Goetghebuer (Goetghebuer in Goetghebuer & Lenz, 1943: 73).

(Technically nom. nud. as no type-species designated in original work (ICZN 13b), see Cranston, 1975).

Subgenus LORDELLA Sæther & Sublette*Lordella* Sæther & Sublette, 1983: 95.Type-species, *comans* Sæther & Sublette (orig. des.) = *wingoi* Sæther & Sublette.**wingoi.** N.S., N.C., S.C.*Pseudorthocladius wingoi* Sæther & Sublette, 1983: 97.—N.C.*Pseudorthocladius comans* Sæther & Sublette, 1983: 95.—S.C.**Subgenus PSEUDORTHOCLODIUS**

Goetghebuer

amplicaudus. S.C.*Pseudorthocladius amplicaudus* Sæther & Sublette, 1983: 56.—S.C.**clavatosus.** S.C.*Pseudorthocladius clavatosus* Sæther & Sublette, 1983: 58.—S.C.**curticornus.** Tenn.*Pseudorthocladius curticornus* Sæther & Sublette, 1983: 74.—Tenn.**curtistylus.** Ont., N.S.; PA.*Pseudorthocladius curtistylus* Goetghebuer, 1921: 101.—Belgium.**destitutus.** Ont., N.B., N.S., S.C.*Pseudorthocladius destitutus* Sæther & Sublette, 1983: 54.—S.C.**dumicaudus.** B.C., Calif.*Pseudorthocladius dumicaudus* Sæther, 1969: 126.—B.C.**lunatus.** Mich.*Pseudorthocladius lunatus* Sæther & Sublette, 1983: 63.—Mich.**macrostomus.** Fla.*Pseudorthocladius macrostomus* Soponis, 1980: 486.—Fla.**macrovirgatus.** S.C., Ga.*Pseudorthocladius macrovirgatus* Sæther & Sublette, 1983: 87.—S.C.**morsei.** Qué., N.B., S.C.*Pseudorthocladius morsei* Sæther & Sublette, 1983: 85.—S.C.**paravirgatus.** S.C.*Pseudorthocladius paravirgatus* Sæther & Sublette, 1983: 84.—S.C.**pilosipennis.** Ont.; PA.*Pseudorthocladius pilosipennis* Brundin, 1956: 139.—Sweden.**rectilobus.** Ga.*Pseudorthocladius rectilobus* Sæther & Sublette, 1983: 58.—Ga.**tricanthus.** N.B., S.C.*Pseudorthocladius tricanthus* Sæther & Sublette, 1983: 67.—S.C.**uniserratus.** B.C., Ont., Calif., N. Mex., Tenn., S.C.*Pseudorthocladius uniserratus* Sæther & Sublette, 1983: 72.—Tenn.**virgatus.** Ont., N.S., S.C., Tenn.*Pseudorthocladius virgatus* Sæther & Sublette, 1983: 81.—S.C.**Genus PSEUDOSMITIA Goetghebuer***Pseudosmittia* Goetghebuer, 1932a: 126 (as subg. of *Smittia* Holmgren, 1869).Type-species, *Spaniotoma angusta* Edwards (Edwards 1932c: 141).

(Technically invalid, no type-species originally designated, ICZN 13(b)).

Prosmittia Brundin, 1956: 165.Type-species, *Pseudosmittia jemtlandica* Brundin (orig. des.).**digitata.** Fla.; NT.*Pseudosmittia digitata* Sæther, 1981b: 25.—St. Lucia.**forcipatus.** Ont., N.B., N.S., Vt., N. Mex.; PA.*Camptochironomus forcipatus* Goetghebuer, 1921: 87.—Belgium.

- Smittia triappendiculata* Goetghebuer, 1931: 217.—Belgium.
nanseni. Alas. to N.W.T., Man., Ont., N.B., Calif., Grld.
Camptocladius nanseni Kieffer, 1926: 85.—N.W.T.
oxoniana. Grld.; PA.
Camptocladius oxonianus Edwards, 1922: 204.—Bear Island.
setavena. B.C.
Pseudosmittia setavena Sæther, 1969: 144.—B.C.
- Genus PSILOMETRIOCNEMUS** Sæther
Psilometriocnemus Sæther, 1969: 105.
 Type-species, *triannulatus* Sæther (orig. des.).
- triannulatus**. Ont. to N.S., Minn., N.H., Kans., Tenn., S.C.
Psilometriocnemus triannulatus Sæther, 1969: 107.—N.H.
Psilometriocnemus cristatus Sæther, 1982: 480.—S.C.
- Genus RHEOCRICOTOPUS** Thienemann & Harnisch
Rheocricotopus Thienemann & Harnisch, 1932: 135.
 Type-species, *Chironomus effusus* Walker (Brundin, 1956: 118).
- Subgenus PSILOCRICOTOPUS** Sæther
Psilocricotopus Sæther, 1985i: 72.
 Type-species, *Cricotopus atripes* Kieffer (orig. des.).
- chapmani**. Grld.; PA.
Spanitoma chapmani Edwards, 1935: 471.—Grld.
- conflusirus**. S.C.
Rheocricotopus conflusirus Sæther, 1985i: 72.—S.C.
- glabricollis**. Man., Pa., Tenn., N.C., S.C.; PA.
Chironomus glabricollis Meigen, 1830: 248.—Europe.
Trichocladius gouini Goetghebuer in Gouin, 1936: 167.—France.
Trichocladius extatus Roback, 1957a: 84.—Pa.
- robacci**. Ont. to N.Y., s. to Miss. & Fla.
Trichocladius robacci Beck & Beck, 1964: 204.—Fla.

- Rheocricotopus kenorensis* Sæther, 1969: 88.—Ont.
- Subgenus RHEOCRICOTOPUS** Thienemann & Harnisch
amplicristatus, S.C.
Rheocricotopus amplicristatus Sæther, 1985i: 95.—S.C.
effusoides. S. Dak.; PA.
Rheocricotopus effusoides Sæther, 1985i: 98.—S.D.
effusus. Ill., N.C., S.C.; PA.
Chironomus effusus Walker, 1956a: 180.—England.
Orthocladius striatus Malloch, 1915b: 517.—Ill.
eminellobus. Alta., Ont., Tenn., N.C., S.C.
Rheocricotopus eminellobus Sæther, 1969: 85.—Alta.
pauciseta. B.C., Alta.
Rheocricotopus pauciseta Sæther, 1969: 89.—B.C.
tuberculatus. S.C., Ga.
Rheocricotopus tuberculatus Caldwell, 1984: 84.—Ga.
unidentatus. Ohio.
Rheocricotopus unidentatus Sæther & Schnell, 1988: 68.—Ohio.
- Genus RHEOSMITTIA** Brundin
Rheosmittia Brundin in Cranston & Sæther, 1986: 33 (as subg. of *Parakiefferiella* Brundin 1956: 150, invalid). Type-species, *Parakiefferiella spinicornis* Brundin (Brundin in Cranston & Sæther, 1986: 33)
- Unnamed species.—Widespread NE.
- Genus SAETHERIELLA** Halvorsen
Saetheriella Halvorsen, 1982: 132.
 Type-species, *amplicristata* (orig. des.).
- amplicristata**. Tenn.
Saetheriella amplicristata Halvorsen, 1982: 133.—Tenn.
- Genus SMITTIA** Holmgren
Smittia Holmgren, 1869: 47. Type-species, *Chironomus brevipennis* Boheman (mon.).

arctica. Alas.

Smittia arctica Malloch, 1923: 175.—Alas.
aterrima. Ont., N.Y., N.J., N. Mex., Ill., Ky.,
 N.C., s. to Miss. & Fla., Grld.; PA.;
 AU.

Chironomus aterrima Meigen, 1818:
 47.—Europe.

crassicollis. Ont.

Chironomus crassicollis Walker, 1848:
 18.—Ont.

edwardsi. N. Mex.; PA.

Smittia edwardsi Goetghebuer, 1932a:
 123.—England.

extrema. N.W.T., Grld.; PA.

Chironomus extremus Holmgren, 1869:
 40.—Spitsbergen.

lasiophthalma. Ill.; PA.

Camptocladius lasiophthalmus Malloch,
 1915b: 509.—Ill.

lasiops. Ill., Fla.; ?PA.

Camptocladius lasiops Malloch, 1915b:
 508.—Ill.

longitibia. Grld.

Smittia longitibia Goetghebuer, 1933:
 29.—Grld.

nansenii. N.W.T.

Camptocladius nansenii Kieffer, 1926:
 86.—N.W.T.

parva. Grld.

Chironomus parvus Lundbeck, 1898:
 275.—Grld.

polaris. N.W.T.

Camptocladius polaris Kieffer, 1926:
 85.—N.W.T.

polymorpha. N.W.T., Grld.

Smittia polymorpha Andersen, 1937:
 76.—Grld.

roena. Utah.

Smittia roena Roback, 1957b: 16.—Utah.

subnudipennis. Grld.

Smittia subnudipennis Goetghebuer, 1933:
 28.—Grld.

velutina. N.W.T., Grld.

Chironomus velutinus Lundbeck, 1898:
 274.—Grld.

Genus STILOCLOADIUS Rossaro

Stilocladus Rossaro, 1979: 351.
 Type-species, *montanus* Rossaro (orig.
 des.).

clinopecten. N.S., N.C., S.C.

Stilocladus clinopecten Sæther, 1982:
 494.—S.C.

Genus SUBLETTIELLA Sæther

Sublettiella Sæther, 1983b: 222.
 Type-species, *calvata* Sæther (orig.
 des.).

calvata. S.C.

Sublettiella calvata Sæther, 1983b:
 223.—S.C.

Genus SYMBIOCLADIUS Kieffer

Symbiocladius Kieffer, 1925a: 565.
 Type-species, *Phaenocladius
 rhithogenae* Zavrel (orig. des.).

Subgenus SYMBIOCLADIUS Kieffer**chattahoocheensis.** Ga.

Symbiocladius chattahoocheensis Caldwell,
 1984: 86.—Ga.

equitans. Utah, Calif., Colo., Vt.

Trissocladius equitans Claassen, 1922:
 397.—Colo.

Genus SYNORTHOCLADIUS Thienemann

Synorthocladius Thienemann, 1935: 211.
 Type-species, *Dactylocladius semivirens*
 Kieffer (orig. des.).

semivirens. Widespread NE.; PA.

Dactylocladius semivirens Kieffer, 1909:
 48.—Germany.

Genus TETHYMYIA Wirth

Tethymyia Wirth, 1949: 160. Type-species,
aptena Wirth (orig. des.).

aptena. Calif.

Tethymyia aptena Wirth, 1949: 161.—Calif.

Genus THALASSOSMITTIA Strenzke &
 Remmert

Thalassosmittia Strenzke & Remmert,
 1957: 270. Type-species,
Camptocladius thalassophilus Bequaert
 & Goetghebuer (orig. des.).
Saunderia Sublette, 1967a: 318.
 Type-species, *Camptocladius
 clavicornis* Saunders (orig. des.).

clavicornis. B.C. s. to Calif.

Camptocladius clavicornis Saunders, 1928:
 528.—B.C.

marina. B.C. s. to Calif.

Camptocladius marinus Saunders, 1928:
526.—B.C.

pacifica. B.C. s. to Calif.

Camptocladius pacificus Saunders, 1928:
523.—B.C.

Genus THIENEMANNIA Kieffer

Thienemannia Kieffer, 1909: 49.

Type-species, *gracilis* Kieffer (mon.).

pilinucha. Tenn.

Thienemannia pilinucha Sæther, 1985d:
127.—Tenn.

Genus THIENEMANNIELLA Kieffer

Thienemanniella Kieffer, 1911c: 201 (as
subg. of *Corynoneura* Winnertz, 1846).
Type-species, *Corynoneura clavicornis*
Kieffer (Goetghebuer in Goetghebuer
& Lenz, 1939b: 7).

cubitus. B.C.

Corynoneura cubitus Garrett, 1925:
10.—B.C.

elana. Utah.

Corynoneura elana Roback, 1957b:
10.—Utah.

majuscula. Ont.; PA.

Corynoneura majuscula Edwards, 1924c:
183.—England.

mallochi. N. Mex., Tex.

Thienemanniella mallochi Sublette, 1970:
88.—Tex.

similis. N.Y., Ohio., Ill., N. Mex., Tex.

Corynoneura similis Malloch, 1915b:
413.—Ill.

xena. Ont., Ill. to N.Y., s. to Fla.

Corynoneura xena Roback, 1957a: 61.—Pa.

Genus TOKUNAGAIA Sæther

Tokunagaia Sæther, 1973a: 56.

Type-species, *Spaniotoma kibunensis*
Tokunaga (orig. des.).

excellens. B.C.; PA.

Eukiefferiella excellens Brundin, 1956:
89.—Sweden.

obriaini. N.W.T.

Tokunagaia obriaini Hayes & Murray,
1988: 361.—N.W.T.

rowensis. Alta., Ont.

Adactylocladius rowensis Sæther, 1969:
58.—Alta.

Genus TRICHOCHILUS Sæther

Trichochilus Sæther, 1985f: 31.

Type-species, *Trichocladius lacteipennis*
Johannsen (orig. des.).

lacteipennis. Pa.

Trichocladius lacteipennis Johannsen,
1908: 282.—Pa.

Genus TVETENIA Kieffer

Tvetenia Kieffer, 1922b: 12. Type-species,
duodenaria Kieffer (orig. des.).

calvescens. N. Mex.; PA.

Spaniotoma calvescens Edwards, 1929:
353.—England.

duodenaria. Y.T., N.W.T.; PA.

Tvetenia duodenaria Kieffer, 1922b:
12.—Novaya Zemlya.

paucunca. Y.T., N.W.T., Alta., Man., Ont.
Eukiefferiella paucunca Sæther, 1969:
46.—Alta.

vitracies. Sask., Ont.

Eukiefferiella vitracies Sæther, 1969:
49.—Ont.

Genus UNNIELLA Sæther

Unniella Sæther, 1982: 502. Type-species,
multivirga Sæther (orig. des.).

multivirga. S.C., Ga., Fla.

Unniella multivirga Sæther, 1982:
503.—Fla.

Genus VIVACRICOTOPUS Schnell & Sæther

Vivacricotopus Schnell & Sæther,
1988: 49. Type-species, *ablusus*
Schnell & Sæther (orig. des.).

piloculus. N.W.T.

Hydrobaenus piloculus Cranston & Oliver,
1988a: 435.—N.W.T.

Genus XYLOTOPUS Oliver

Xylotopus Oliver, 1982: 167. Type-species,
Orthocladius par Coquillett (orig. des.).

par. Ont. to N.S., s. to Utah, Tex. & Fla.

Orthocladius par Coquillett, 1901b:
608.—N.J.

Eurycnemus scitulus Coquillett, 1901b:
608.—N.J.

Metriocnemus par Johannsen, 1905:
301.—N.Y.

Genus ZALUTSCHIA Lipina

Zalutschia Lipina, 1939: 106.

Type-species, *zalutschicola* Lipina (orig. des.).

briani. N.C., S.C., Fla.

Zalutschia briani Soponis, 1979: 125.—Fla.

furcarca. N.W.T.

Zalutschia furcarca Sæther, 1976:

217.—N.W.T.

lingulata. B.C., Ont., Qué., Ind.

Zalutschia lingulata Sæther, 1976:

222.—Ont.

Zalutschia lingulata lingulata Sæther, 1976: 223.—Ont.

Zalutschia lingulata pauca Sæther, 1976:

228.—B.C.

obsepta. Ont., Qué.

Orthocladius obseptus Webb, 1969:

91.—Ont.

pusa. Man.

Zalutschia pusa Sæther, 1976: 234.—Man.

sivertseni. N.B., N.S.; PA.

Eukiefferiella sivertseni Aagard, 1979:

95.—Norway.

tatrica. Alas.; PA.

Spaniotoma tatrica Pagast in Zavrel &

Pagast, 1935: 156.—Czechoslovakia.

tornetraeskensis. Not NE.

Orthocladius torneträskensis Edwards in

Thienemann, 1941: 211.—Sweden.

trigonacies. Alas., N.W.T.

Zalutschia trigonacies Sæther, 1976:

242.—N.W.T.

vockerothi. Qué.

Zalutschia vockerothi Sæther, 1976:

219.—Qué.

xethis. Utah.

Hydrobaenus xethis Roback, 1957b:

13.—Utah.

zalutschicola. Alas. to N.W.T., s. to Man., N.H. & S.C.; PA.

Zalutschia zalutschicola Lipina, 1939:

96.—U.S.S.R.

Incerta sedis in Orthocladiinae

Camptocladius flavibasis Malloch, 1915b: 511.—Ill.

Hydrobaenus anteilis Roback, 1957b: 14.—Utah.

Orthocladius albidoalteralis Malloch, 1915b: 528.—Ill.

Orthocladius bifasciatus Malloch, 1918: 42.—Ill.

Orthocladius clepsydrus Coquillett, 1902b: 92.—N. Mex.

Trichocladius ater Goetghebuer, 1955:

167.—Grld.

Trichocladius septris Roback, 1957b: 14.—Utah.

Nomina dubia in Orthocladiinae

Camptocladius fulvipluma Kieffer, 1926: 85.—N.W.T.

Camptocladius glacialis Kieffer, 1926: 85.—N.W.T.

Chironomus minutus Zetterstedt, 1850: 3522.—Sweden.

Chironomus pubitarsis Zetterstedt, 1850: 3514.—Sweden.

Metriocnemus similis Kieffer, 1922b: 11.—Novaya Zemlya.

Orthocladius sordens Johannsen, 1905: 272.—N.Y.

Subfamily CHIRONOMINAE

Tribe CHIRONOMINI

Genus ACALCARELLA Shilova

Acalcarella Shilova, 1955: 319.

Type-species, *Cryptochironomus nucus* Pankratova (orig. des.).

Unnamed species. —N.W.T., Ont.

Genus APEDILUM Townes

Apedilum Townes, 1945: 32.

Type-species, *subcinctum* Townes (orig. des.).

elachistus. Mass. to Va., Calif. to N.C. & Fla.

Apedilum elachistus Townes, 1945: 33.—Tex.

subcinctum. Ont., Calif., Nev. to N. Mex., Okla., Fla.

Apedilum subcinctum Townes, 1945: 33.—Nev.

Paralauterborniella subcincta alamedensis Sublette, 1960: 203.—Calif.

Paralauterborniella subcincta subcincta (Townes), 1945: 33.—Calif.

Genus ASHEUM Sublette & Sublette

Asheum Sublette & Sublette, 1983: 34 (n. nam. for *Pedionomus* Sublette).
Pedionomus Sublette, 1964b: 137 (preocc. Gould, 1840). Type-species, *beckae* Sublette (orig. des.).

beckae. N. Mex. to N.C., s. to Fla.

Pedionomus beckae Sublette, 1964b: 137.—La.

Genus AXARUS Roback

Axarus Roback, 1980b: 32 (n. nam. for *Anceus* Roback).
Anceus Roback, 1963a: 237 (preocc. Risso, 1816). Type-species, *Chironomus festivus* Say (orig. des.).

dorneri. Tex., Fla.

Chironomus dorneri Malloch, 1915b: 471.—Tex.

festivus. Qué. s. to Kans. & Tex.

Chironomus festivus Say, 1823: 13.—Ill.

Chironomus lineatus Say, 1823: 14.—Pa.

Chironomus lineola Say, emend. Wiedemann, 1828.

Chironomus lasiomerus Walker, 1848: 19.—Ont.

rogersi. Ky., N.C., s. to Miss. & Fla.

Xenochironomus rogersi Beck & Beck, 1958: 27.—Fla.

scopula. Alta. to N.Y., s. to Kans. & Ohio.

Xenochironomus scopula Townes, 1945: 93.—Qué.

taenionotus. Iowa to Mich., Pa., s. to Tex. & Fla.

Chironomus taenionotus Say, 1829: 149.—Ind.

Genus BEARDIUS Reiss & Sublette

Beardius Reiss & Sublette, 1985: 179. Type-species, *parcus* (orig. des.).

truncatus. Tex.

Beardius truncatus Reiss & Sublette, 1985: 188.—Tex.

Genus BECKIDIA Sæther

Beckidia Sæther, 1979: 315 (n. nam. for *Beckiella* Sæther).
Beckiella Sæther, 1977b: 119 (preocc. Grandjean, 1964). Type-species, *Harnischia tethys* Townes (orig. des.).

tethys. Sask., Ont., Qué., S. Dak., N. Mex.; PA.

Harnischia tethys Townes, 1945: 152.—S. Dak.

Genus CHERNOVSKIIA Sæther

Chernovskiiia Sæther, 1977b: 107. Type-species, *Harnischia orbicus* Townes (orig. des.).

amphitrite. Alta., Sask., S. Dak., Kans., Neb., Iowa, N.C., S.C.

Harnischia amphitrite Townes, 1945: 151.—S. Dak.

orbicus. S. Dak., Neb., Iowa, Kans., N.C., S.C., Calif.; PA.

Harnischia orbicus Townes, 1945: 151.—Kans.

Genus CHIRONOMUS Meigen

Chironomus Meigen, 1803: 260. Type-species, *Tipula plumosa* Linnaeus (Latreille, 1810: 442).

Tendipes Meigen, 1800: 17.

Tendipes suppressed by ICZN, 1963b: 339 (Opinion 678).

Holtedahlia Kieffer, 1922b: 5.

Type-species, *borealis* Kieffer (orig. des.).

Subgenus CAMPTOCHIRONOMUS Kieffer

Camptochironomus Kieffer, 1918a: 45. Type-species, *Chironomus aprilinus* Meigen, 1830 sensu Kieffer (misident. = *Chironomus tentans* Fabricius) (Goetghebuer in Goetghebuer & Lenz, 1937: 21).

grandivalva. Alas., N.W.T.; PA.

Tendipes grandivalva Shilova, 1957: 226.—U.S.S.R.

- pallidivittatus.** Sask., Ill.; PA.
Chironomus tentans var.
pallidivittatus Malloch, 1915b:
 445.—Ill.
- tentans.** Alas., N.W.T., B.C. to Qué., s. to S.
 Dak., Ohio, N.Y., N. Mex.; PA.
Chironomus tentans Fabricius, 1805:
 38.—Europe.
- vockerothi.** Alta.
Chironomus vockerothi Rasmussen,
 1984: 1643.—Alta.
- Subgenus CHAETOLABIS** Townes
Chaetolabis Townes, 1945: 114 (as
 subg. of *Tendipes* Meigen, 1800).
 Type-species, *Tendipes atroviridis*
 Townes (orig. des.).
- atroviridis.** B.C. to Ont., N.Y., Mass., s. to
 Iowa & Va.
Tendipes atroviridis Townes, 1945:
 114.—N.Y.
- ochreatus.** Qué., Mich., Maine, N.J., s. to
 Ark. & Fla.
Tendipes ochreatus Townes, 1945:
 115.—N.J.
- Subgenus CHIRONOMUS** Meigen
- anonymus.** Calif., Tex.; NT.
Chironomus anomus Williston, 1896:
 274.—St. Vincent.
- anthracinus.** B.C., Alta., Sask., Wis. to N.Y.,
 Mass., Calif.; PA.
Chironomus anthracinus Zetterstedt, 1860:
 6499.—Sweden.
- Chironomus rempeliae* Thienemann, 1941:
 234.—Sask.
- Chironomus hyperboreus* authors, not
 Staeger.
- athalassicus.** B.C.
Chironomus athalassicus Cannings,
 1975: 447.—B.C.
- atrella.** B.C. to P.E.I., s. to Calif. & N. Mex.
Tendipes atrella Townes, 1945:
 124.—Nev.
- atritibia.** N.W.T., B.C., Ont., Qué., N.Y.
Chironomus atritibia Malloch, 1934:
 16.—N.W.T.
- biseta.** Hudson Bay Territory.
Tendipes biseta Townes, 1945:
 127.—Hudson Bay Territory.
- brevipalpis.** N.W.T.
Holtedahlia brevipalpis Kieffer,
 1926: 78.—N.W.T.

- crassicaudatus.** Man., Ont., S. Dak., Minn. to
 N.J., s. to N. Mex. & Fla.
Chironomus crassicaudatus Malloch,
 1915b: 453.—Ill.
- cucini.** Ont., Ind., Calif.
Chironomus cucini Webb, 1969:
 105.—Ont.
- decorus.** N.W.T. to Qué., Wash., Nebr., S.
 Dak., Iowa, Ill., N.Y., Ohio, Kans., N.
 Mex., Fla.
Chironomus decorus Johannsen, 1905:
 239.—Wash., Nebr., Kans., Iowa, Ill.,
 Ohio, N.Y.
- Chironomus similis* Johannsen, 1905:
 236.—Ill., S. Dak., N.Y.
- Chironomus cayugae* Johannsen in Tilbury,
 1913: 308.—N.Y.
- Chironomus distinguendus* Kieffer, 1917:
 346.—Wash.
- decumbens.** N.W.T., Man.
Chironomus decumbens Malloch, 1934:
 16.—N.W.T.
- frommeri.** Oreg., Calif., Utah, N. Mex.
Chironomus frommeri Atchley & Martin,
 1971: 319.—Calif.
- hyperboreus.** Alas., N.W.T., Alta., Sask.,
 Colo., Grld.; PA.
Chironomus hyperboreus Staeger, 1845:
 349.—Grld.
- major.** Okla., Ga.
Chironomus major Wülker & Butler, 1983:
 128.—Ga.
- maturus.** Alta., Man. to N.Y., S. Dak., Ind.,
 Calif., N. Mex., La.
Chironomus maturus Johannsen, 1908:
 279.—N.Y.
- pilicornis.** Alas., N.W.T., Alta. to Man.; PA.
Tipula pilicornis Fabricius, 1794:
 243.—Europe.
- Chironomus polaris* Kirby, 1824:
 218.—Amer. within the Arctic Circle.
- plumosus.** Widespread NE.; PA.; NT.
Tipula plumosa Linnaeus, 1758:
 587.—Europe.
- Tipula annularis* De Geer, 1776:
 379.—Europe.
- Chironomus cristatus* Fabricius, 1805:
 39.—N.Y.
- Chironomus ferrugineovittatus* Zetterstedt,
 1850: 3492.—Sweden.
- Chironomus imperator* Walley, 1926a:
 64.—Ont.
- prior.** Alas.
Chironomus prior Butler, 1982:
 222.—Alas.

- pungens.** D.C., Fla.
Tendipes pungens Townes, 1945: 119.—Fla.
- riparius.** Widespread NE., Grld.; PA.
Chironomus riparius Meigen, 1804:
 13.—Europe.
- Chironomus albistria* Walker, 1848:
 17.—Ont.
- Chironomus serus* Malloch, 1915b:
 481.—Ill.
- Chironomus militaris* Johannsen, 1937b:
 46.—N.Y.
- sanctipauli.** Alas.
Chironomus sanctipauli Sublette, 1966:
 604 (n. nam. for *Chironomus conformis*
 Malloch, 1923: 172, preocc. Holmgren,
 1869).—Alas.
- staegeri.** Widespread Can. s. to Calif., Ala.,
 N.C., S.C., Grld.; PA.
Chironomus staegeri Lundbeck,
 1898: 271.—Grld.
- Chironomus fasciventris* Malloch, 1915b:
 438.—Ill.
- stigmaterus.** Wash. to N.Y., s. to Calif. &
 Fla.
Chironomus stigmaterus Say, 1823:
 15.—?Pa.
- Chironomus glaucurus* Wiedemann, 1828:
 15.—Pa.
- tardus.** Alas.
Chironomus tardus Butler, 1982:
 222.—Alas.
- tuberculatus.** Alta., S. Dak., Hudson Bay
 Territory.
Tendipes tuberculatus Townes, 1945:
 128.—Hudson Bay Territory.
- tuxis.** Man., Ont., Minn. to Maine, s. to Ill.
 & N.J., Fla.
Chironomus tuxis Curran, 1930: 31.—N.Y.
- utahensis.** Sask., Man. to Oreg. & Minn., s.
 to Calif., N. Mex.
Chironomus utahensis Malloch, 1915b:
 438.—Utah.
- vancouveri.** B.C.
Chironomus vancouveri Michailova &
 Fischer, 1986: 99.—B.C.
- whitseli.** Calif., N. Mex.
Chironomus whitseli Sublette & Sublette,
 1974: 7.—Calif.
- Subgenus LOBOCHIRONOMUS** Ryser,
 Wülker & Scholl
Lobochironomus Ryser, Wülker & Scholl,
 1985: 386. Type-species, *montuosus*
 (orig. des.).

- longipes.** Ont.; PA.
Chironomus longipes Staeger, 1839:
 570.—Denmark.
- Chironomus dorsalis* authors, not Meigen.
- mendax.** Calif.; PA.
Chironomus mendax Storå, 1936:
 124.—Finland.
- Nomina dubia in Chironomus**
Chironomus attenuatus Walker, 1848:
 20.—Ont.
- Chironomus bifimbriatus* Kieffer,
 1922f: 145.—Tex.
- Chironomus lasiopus* Walker, 1848:
 19.—Ont.
- Chironomus redeuns* Walker, 1956b:
 422.—U.S.A.
- Incrica sedis in Chironomus**
Chironomus bimacula Walker, 1848:
 15.—Ont.
- Chironomus borealis* Curtis, 1835:
 Ixxvii.—Arctic Amer.
- Chironomus excavatus* Kieffer, 1917:
 348.—N.Y.
- Chironomus excisus* Kieffer, 1917:
 346.—Pa.
- Chironomus halophilus* Packard in Verrill,
 1873: 539.—Mass.
- Chironomus harti* Malloch, 1915b:
 457.—Ill.
- Chironomus melanderi* Kieffer, 1917:
 347.—Wash.
- Chironomus nigritibia* Walker, 1848:
 16.—Ont.
- Chironomus trichomerus* Walker, 1848;
 21.—Ont.
- Genus CLADOPELMA** Kieffer
Cladopelma Kieffer, 1921c: 274.
 Type-species, *Chironomus virescens*
 Meigen, (Harnisch, 1923: 304).
Cryptocladopelma Lenz, 1941a: 37 (nom.
 nud.).
- amachaerus.** Ont., Qué., Minn., Ill., N.H., s.
 to Miss. & Fla., Calif.
Harnischia amachaerus Townes, 1945:
 168.—N.Y.
- boydi.** Ky., N.C., s. to Miss. & Fla. Mex.; NT.
Chironomus boydi Beck, 1962: 91.—Fla.
- collator.** S. Dak., Minn., Ont., Qué., Ohio,
 N.Y., Okla., Fla.
Harnischia collator Townes, 1945:
 169.—N.Y.

- edwardsi.** B.C., Ont., N.Y., Calif., Nev., Ariz., Ky., N.C. s. to Miss. and Fla.; PA.
Tendipes edwardsi Kruseman, 1933:
 194.—Netherlands.
- galeator.** Iowa, Ohio, N. Mex. to N.C., s. to Fla.
Harnischia galeator Townes, 1945:
 170.—Fla.
- spectabilis.** Ont.
Harnischia spectabilis Townes, 1945:
 168.—Ont.
- viridula.** Alas., N.W.T., Sask., Minn. to N.Y., Calif. to N.C., s. to Fla.; PA.
Tipula viridula Linnaeus, 1767:
 975.—Sweden.
- Genus CRYPTOCHIRONOMUS Kieffer**
Cryptochironomus Kieffer, 1918a: 46 (as subg. of *Chironomus* Meigen, 1803).
 Type-species, *Chironomus chlorolobus* Kieffer (orig. des.) = *Chironomus supplicans* Meigen.
- argus.** Pa.
Cryptochironomus argus Roback, 1957a:
 106.—Pa.
- blarina.** Alta. to Ont., Minn. to N.Y., s. to N. Mex. & Fla.
Cryptochironomus blarina Townes, 1945:
 99.—N.Y.
- conus.** Sask., Ont.
Cryptochironomus conus Mason, 1986:
 400.—Sask.
- curryi.** Sask.
Cryptochironomus curryi Mason, 1986:
 404.—Sask.
- digitatus.** Y.T., N.W.T., Sask. to Ont., Nfld., Mass. s. to N. Mex. to Ga.
Chironomus digitatus Malloch, 1915b:
 483.—Ill.
- eminentia.** Sask.
Cryptochironomus eminentia Mason, 1986:
 406.—Sask.
- fulvus.** Mont., Sask., Man. to N.B., s. to Calif. & Fla.
Chironomus fulvus Johannsen, 1905:
 224.—N.Y.
- mallochi.** Kieffer, 1919b: 191
 (n. nam. for *Chironomus abbreviatus* Malloch, 1915b: 451, preocc. Kieffer, 1913a).—Ill.
- Chironomus parviflamellatus* Malloch, 1915b: 479.—Ill.
- parafulvus.** Fla.
Chironomus parafulvus Beck & Beck, 1964: 201.—Fla.
- ponderosus.** S. Dak., Ohio, N. Mex., Okla., Ark., La., N.C., S.C.
Chironomus ponderosus Sublette, 1964b: 129.—La.
- psittacinus.** Alas. to N.Y., s. to Oreg. & Ky.; PA.
Chironomus psittacinus Meigen, 1830: 247.—Europe.
- stylifera.** Johannsen, 1908: 281.—N.Y.
- obtusilobus.** Malloch, 1923: 171.—Alas.
- farinalis.** Walley, 1926b: 205.—Alta.
- ramus.** Sask.
Cryptochironomus ramus Mason, 1986: 409.—Sask.
- scimitarus.** Alta., Ont., Mich., N.Y., Md., Fla.
Cryptochironomus scimitarus Townes, 1945: 98.—N.Y.
- sorex.** Mich., N.Y., Okla., Tex., N.C., S.C., Fla.
Cryptochironomus sorex Townes, 1945: 97.—N.Y.
- Genus CRYPTOTENDIPES Lenz**
Cryptotendipes Lenz, 1941a: 34.
 Type-species, *Chironomus usmaensis* Pagast (Beck & Beck, 1969: 294).
- ariel.** B.C., S. Dak., Kans., Calif.
Tendipes ariel Sublette, 1960: 222.—Calif.
- casuarinus.** Alta., Man., Ont., N.Y., Kans., Ky., N.C., s. to Fla.
Harnischia casuaria Townes, 1945: 162.—N.Y.
- darbyi.** Man., S. Dak., Calif., Nev., Ariz., N. Mex.; PA.
Tendipes darbyi Sublette, 1960: 221.—Calif.
- emorsus.** Man., Qué., N.Y., N.J., D.C., S. Dak., Kans., Iowa, Ohio, Ky., N.C., s. to Fla.
Harnischia emorsa Townes, 1945: 161.—N.Y.
- pilicuspis.** Man.
Cryptotendipes pilicuspis Sæther, 1977b: 98.—Man.
- pseudotener.** S. Dak., Mich., N.Y., Ohio, Pa., D.C.; PA.
Cryptochironomus pseudotener Goetghebuer, 1922: 38.—Belgium.

Genus CYPHOMELLA Sæther

Cyphomella Sæther, 1977b: 101.
Type-species, *gibbera* Sæther (orig. des.).

***argentea*. Ont., N.J.**

Harnischia argentea Townes, 1945:
164.—Ont.

***cornea*. S. Dak., Kans.; PA.**

Cyphomella cornea Sæther, 1977b:
105.—S. Dak.

***gibbera*. Sask., S. Dak.**

Cyphomella gibbera Sæther, 1977b:
103.—S. Dak.

***grisea*. Mont., Mich., Ill., Okla., Tex.**

Chironomus griseus Malloch, 1915b:
468.—Mich.

Genus DEMEIJEREA Kruseman

Demeijera Kruseman, 1933: 154.
Type-species, *Tipula rufipes* Linnaeus (orig. des.).

***abruptus*. N.Y., Mo.**

Glyptotendipes abruptus Townes, 1945:
138.—N.Y.

***atrimana*. Alta., Ont., N.Y., Conn., Md., Mo. to N.C., s. to Fla.**

Chironomus atrimanus Coquillett, 1902b:
94.—Mo.

***brachialis*. Man., Ont., N.Y. to N.J., Oreg., Utah, Ark., Ky., N.C., s. to Fla.**

Chironomus brachialis Coquillett, 1901b:
607.—N.J.

***obreptus*. N.Y., N.C., S.C.**

Glyptotendipes obreptus Townes, 1945:
139.—S.C.

Genus DEMICRYPTOCHIRONOMUS Lenz

Demicryptochironomus Lenz, 1941a: 34.
Type-species, *Chironomus vulneratus* Zetterstedt, 1838: 814 (mon.). (Junior synonym of *Schadinia* Lipina, 1939: 107, for stability it is recommended that *Demicryptochironomus* be used until a ruling is given by the ICZN).

Subgenus DEMICRYPTOCHIRONOMUS***vulneratus*. Not NE.**

Chironomus vulneratus Zetterstedt, 1838: 814.—Sweden.

Subgenus IRMAKIA Reiss

Irmakia Reiss, 1988: 1. Type-species, *schachti* Reiss (orig. des.).

***cuneatus*. Man., Qué., s. to Iowa & N.J., N.C., S.C.**

Harnischia cuneata Townes, 1945:
163.—N.J.

***fastigatus*. Qué., N.B., N.Y., Mich., Ill.**

Harnischia fastigata Townes, 1945:
162.—N.Y.

Genus DICROTENDIPES Kieffer

Dicrotendipes Kieffer, 1913d: 23.

Type-species, *pictipennis* Kieffer (preocc. Philippi, 1865) = *Polypedilum quatuordecimpunctatum* Goetghebuer, 1936 = *Dicrotendipes pilosimanus* Kieffer, 1914 = *Chironomus septemmaculatus* Becker, 1908 (mon.).

Limnochironomus Kieffer, 1920a: 166.

Type-species, *Tendipes falciformis* Kieffer (orig. des.) = *Chironomus nervosus* Staeger.

***adnilus*. Ariz.**

Dicrotendipes adnilus Epler, 1987:
28.—Ariz.

***aethiops*. Utah, Ariz., N. Mex., Fla., Mex.**

Tendipes aethiops Townes, 1945: 107.—N. Mex.

***botaurus*. Man., Mont., Mich., Kans., Okla.**

Tendipes botaurus Townes, 1945:
109.—Mont.

***californicus*. Oreg. to Tex., Mex.; NT.**

Chironomus californicus Johannsen, 1905:
217.—Calif.

***crypticus*. Calif., N. Mex., Kans.; NT.**

Dicrotendipes crypticus Epler, 1987:
39.—N. Mex.

***fumidus*. Ont., Nfld., Wash., Oreg. to N.H., s. to N. Mex. & Ala.**

Chironomus fumidus Johannsen, 1905:
221.—N.Y.

Chironomus incognitus Malloch, 1915b:
480.—Ill.

***leucoscelis*. Ont. to N.B., Minn., Mich. to N.J., Idaho, Ky., N.C., s. to Miss. & Fla.**

Tendipes leucoscelis Townes, 1945:
104.—Idaho.

***lobiger*. Alas., N.W.T., Man., Idaho, Wyo., Ind., Mich., N.Y.; PA.**

Limnochironomus lobiger Kieffer, 1921a:
71.—Germany.

lobus. Ky., N.C., s. to Miss. & Fla.
Chironomus lobus Beck, 1962: 89.—Fla.
lucifer. Sask., Ont., widespread U.S.A.
Chironomus lucifer Johannsen, 1907b:
 110.—Kans.
Chironomus indistinctus Malloch, 1915b:
 477.—Ill.
milleri. Man., Ont., Oreg., Minn., Mich., Ind.,
 N.Y.
Tendipes milleri Townes, 1945: 110.—N.Y.
modestus. Widespread NE., Grld.; PA.
Chironomus modestus Say, 1823: 13.—Pa.
neomodestus. N.W.T. to Qué., s. to Tex. &
 Fla.
Chironomus neomodestus Malloch, 1915b:
 475.—Ill.
Chironomus tenellus authors, not
 Zetterstedt.
nervosus. Alas., N.W.T., B.C. to N.B., s. to
 Calif. & Fla., Grld.; PA.
Chironomus nervosus Staeger, 1839:
 567.—?Denmark.
Chironomus brevitibialis Zetterstedt, 1850:
 3535.—Sweden.
simpsoni. N.Y., Ga., Fla.
Dicrotendipes simpsoni Epler, 1987:
 84.—N.Y.
thanatogratus. Fla.
Dicrotendipes thanatogratus Epler, 1987:
 88.—Fla.
tritomus. Alas., Sask., Mont. to N.H., Okla.,
 Ky., N.C., s. to La. & Fla.; PA.
Chironomus tritomus Kieffer in
 Thienemann & Kieffer, 1916:
 524.—Sweden.
Chironomus incurvus Sublette,
 1964b: 126.—La.

Genus EINFELDIA Kieffer

Einfeldia Kieffer, 1924a: 393.
 Type-species, *pectoralis* Kieffer (mon.).

austini. N. Mex. to N.C., s. to Fla.
Einfeldia austini Beck & Beck, 1970:
 40.—Fla.
brunneipennis. Minn., Iowa to Mass., N.J.,
 Ky., N.C., s. to Miss. & Fla.
Chironomus brunneipennis Johannsen,
 1905: 205.—N.Y.
chelonia. N.Y., N.J., D.C., N. Mex. to La.
Tendipes chelonia Townes, 1945:
 114.—N.Y.
natchitocheae. La.
Chironomus natchitocheae Sublette, 1964b:
 124.—La.

pagana. B.C. to Qué., N.Y., Mich., S. Dak.
 Miss.; PA.

Chironomus paganus Meigen, 1838:
 7.—Belgium.
Einfeldia synchroa Oliver, 1971:
 1591.—Ont.

Genus ENDOCHIRONOMUS Kieffer

Endochironomus Kieffer, 1918b: 69.
 Type-species, *Chironomus alismatis*
 Kieffer (orig. des.) = *Tipula tendens*
 Fabricius.

dispar. Not NE.
Chironomus dispar Meigen, 1830:
 247.—Not stated.
oldenbergi. Grld.; PA.
Endochironomus oldenbergi Goetghebuer,
 1932b: 130.—Europe.
nigricans. N.W.T., B.C. to N.B., s. to Calif.
 & Fla.
Chironomus nigricans Johannsen, 1905:
 219.—N.Y., N.J.
Chironomus johnsoni Kieffer, 1906a: 19
 (n. nom. for *Chironomus albipennis*
 Meigen of Johnson, 1900, nom. nud.).
Chironomus albipennis authors, not
 Meigen.
subtendens. B.C. to Qué. & Nfld., s. to N.
 Mex. & Fla.
Tanytarsus subtendens Townes, 1945:
 65.—N.Y.
Chironomus viridis authors, not Macquart.

Genus ENDOTRIELOS Grodhaus

Endotriobelos Grodhaus, 1987a: 237. Type-
 species, *Tendipes hesperius* Sublette
 (orig. des.).

hesperium. Calif., Fla.
Tendipes hesperius Sublette, 1960:
 217.—Calif.

Genus GILLOTIA Kieffer

Gillotia Kieffer, 1921c: 272. Type-species,
Gillotia fuscipes Kieffer, 1922d (sub.
 mon.; preocc. Kieffer, 1909) =
Chironomus trifidus Freeman, 1957
 (replacement nam.).

alboviridis. Iowa, Ill., Kans., N. Mex., Okla.
Chironomus alboviridis Malloch, 1915b:
 482.—Ill.

Genus GLYPTOTENDIPES Kieffer

Glyptotendipes Kieffer, 1913e: 255.
Type-species, *sigillatus* Kieffer (orig. des.) = *?Glyptotendipes foliicola* Kieffer.

amplus. Sask., N.J.

Glyptotendipes amplus Townes, 1945: 145.—N.J.

barbipes. Alas., B.C. to N.B., s. to N. Mex. & S.C.; PA.; OR.

Chironomus barbipes Staeger, 1839: 561.—not stated.

dreisbachi. N.W.T., Sask., Mich., Ont.

Glyptotendipes dreisbachi Townes, 1945: 145.—Mich.

lobiferus. B.C. to Qué., s. to Calif. & Fla.

Chironomus lobiferus Say, 1823: 12.—?Pa.
Chironomus ithacanensis Johannsen, 1908:

279 (n. nam. for *Chironomus caliginosus* Johannsen, 1905: 205, preocc. Meunier, 1904).—N.Y.

Glyptotendipes americanus Kieffer, 1917: 355.—Wash.

meridionalis. Man., S. Dak. to N.C., s. to N. Mex. & Fla.

Glyptotendipes meridionalis Dendy & Sublette, 1959: 517.—Okla.

pallens. Not NE.

Chironomus pallens Meigen, 1804: 12.—Not stated.

Chironomus polytomus Kieffer, 1804: 56.—Germany.

paripes. Alta. to Nfld., s. to Miss. & Fla.; PA.

Chironomus paripes Edwards, 1929: 392.—England.

seminole. Fla.

Glyptotendipes seminole Townes, 1945: 146.—Fla.

senilis. Ont., N.Y., Mich., Iowa.

Chironomus senilis Johannsen, 1937b: 37.—N.Y.

testaceus. Okla. to N.Y., s. to La. & Fla.

Glyptotendipes testaceus Townes, 1945: 140.—N.Y.

unacus. Sask., Qué.

Glyptotendipes unacus Townes, 1945: 146.—Qué.

Genus GOELDICHIRONOMUS Fittkau

Goeldichironomus Fittkau, 1965: 210.
Type-species, *Chironomus holoprasinus* Goeldi (orig. des.).

***Siolimya* Fittkau, 1968b: 260.**

Type-species, *amazonica* Fittkau (orig. des.).

amazonicus. Fla., Mex.; NT.

Siolimya amazonica Fittkau, 1968b: 260.—Brazil.

carus. Ky., N.C. s. to Tex. & Fla.; NT.

Tendipes carus Townes, 1945: 118.—Venezuela.

devineyae. N.C. s. to Miss. & Fla.

Chironomus devineyae Beck, 1961: 126.—Fla.

holoprasinus. Md., Calif. to N.C., s. to Fla.; NT.

Chironomus holoprasinus Goeldi, 1905: 135.—Brazil.

Chironomus fulvipilus Rempel, 1939: 210.—Brazil.

pictus. Se. U.S.A.; NT.

Goeldichironomus pictus Reiss, 1974: 86.—Brazil.

Genus GRACEUS Goetghebuer

Graceus Goetghebuer, 1928: 15.

Type-species, *ambiguus* Goetghebuer (mon.).

Unnamed species.—Ont.

Genus HARNISCHIA Kieffer

Harnischia Kieffer, 1921c: 273.

Type-species, *fuscimanus* Kieffer, (sub. mon.); Kieffer, 1921a: 69).

curtilamellata. Widespread NE.; PA.; AF.; OR.; AU.

Chironomus curtilamellatus Malloch, 1915b: 474.—Mich.

incidata. S. Dak., N. Mex., Okla., Tex.

Harnischia incidata Townes, 1945: 166.—Okla.

Genus HYPOHYGMA Reiss

Hyporhygma Reiss, 1982: 289.

Type-species, *Chironomus quadripunctatus* Malloch (mon.).

quadripunctatum. Ont. to Nfld., N.H., Mass., Wis. to Ohio, Fla.

Chironomus quadripunctatus Malloch, 1915b: 437.—Wis.

Genus KIEFFERULUS Goetghebuer

Kiefferulus Goetghebuer, 1922: 40.
Type-species, *Tanytarsus tendipediformis* Goetghebuer (orig. des.).

Subgenus KIEFFERULUS Goetghebuer

dux. Sask., Man., Ont., Qué., Oreg. to R.I., s. to N. Mex. & Fla.

Chironomus dux Johannsen, 1905: 231.—N.Y.

Subgenus WIRTHIELLA Sublette

Wirthiella Sublette, 1960: 216 (as subg. of *Tendipes* Meigen, 1800). Type-species, *modocensis* Sublette (orig. des.).

modocensis. Calif.

Tendipes modocensis Sublette, 1960: 216.—Calif.

Genus KLOOSIA Kruseman

Kloosia Kruseman, 1933: 152. Type-species, *Chironomus pusillus* Linnaeus (orig. des.).
Oschia Sæther, 1983a: 395. Type-species, *dorsenna* Sæther (orig. des.).

dorsenna. S.C.

Oschia dorsenna Sæther, 1983a: 396.—S.C.

Genus LAUTERBORNIELLA Thienemann & Bause

Lauterborniella Thienemann & Bause in Bause, 1913: 120. Type-species, *Tanytarsus agrayloides* Kieffer (Kieffer, 1921b: 28).

agrayloides. Widespread Can., Calif. to N.C. & Fla.; PA.

Tanytarsus agrayloides Kieffer, 1911a: 51.—Germany.

Genus LIPINIELLA Shilova

Lipiniella Shilova, 1961: 19. Type-species, *araenicola* Shilova (mon.).

Unnamed species.—N.W.T.

Genus MICROCHIRONOMUS Kieffer

Microchironomus Kieffer, 1918b: 113. (as subg. of *Chironomus* Meigen, 1803). Type-species, *lendlia* Kieffer (orig. des.).
Leptochironomus Pagast, 1931: 210 (as subg. of *Chironomus* Meigen, 1803). Type-species, *balticus* Pagast (Townes, 1945: 152) = *Chironomus tener* Kieffer.

nigrovittatus. S. Dak. to Ill., N.Y. s. to La. & Fla., Calif., N. Mex., Kans.

Chironomus nigrovittatus Malloch, 1915b: 456.—Ill.

Genus MICROTENDIPES Kieffer

Microtendipes Kieffer, 1915a: 70. Type-species, *Tendipes abbreviatus* Kieffer (orig. des.) = *Chironomus chloris* Meigen.

anticus. coastal Va. to Ga., Tex.

Chironomus anticus Walker, 1848: 21.—Ga.

caducus. N.B., Minn. to N.Y., s. to Calif. & Ga.

Microtendipes caducus Townes, 1945: 24. (n. nam. for *Chironomus pallidus* Johannsen, 1905: 230, preocc. Fabricius, 1805).—N.Y.

caelum. Ont., Qué., N.B., N.Y., Ohio, Mass.

Microtendipes caelum Townes, 1945: 23.—Mass.

pedellus. N.W.T., B.C. to N.B. & Maine, s. to Calif. & Fla.; PA.

Tipula pedella De Geer, 1776: 378.—Sweden.

Microtendipes pedellus var. *aberrans* (Johannsen), 1905: 221.—N.Y., Pa., Wash., N.J.

Microtendipes pedellus var. *pedellus* (De Geer), 1776: 378.—B.C. to Qué., s. to R.I.; PA.

Microtendipes pedellus var. *stygius* Townes, 1945: 26.—N.Y.

Chironomus fascipes Coquillett, 1908: 145.—N.J.

Chironomus deflexa Walley, 1926b: 206.—Ont.

Genus NILOTHAUMA Kieffer

Nilothauma Kieffer, 1921c: 270.

Type-species, *pictipenne* Kieffer (sub. mon.; Kieffer, 1921b: 37).

Kribioxenus authors, not Kieffer.

- babiyi.** Man. to Qué., N.Y., Mich., Ohio, Okla., Tex., N.C., S.C., Fla.
Chironomus babiyi Rempel, 1937b: 274.—N.Y.
- bicorne.** N.C., S.C., Fla.
Kribioxenus bicornis Townes, 1945: 35.—S.C.
- mirabile.** Qué., N.Y., Fla.
Kribioxenus mirabilis Townes, 1945: 35.—N.Y.

Genus OMISUS Townes

Omisus Townes, 1945: 27. Type-species, *pica* Townes (orig. des.).

- pica.** Idaho, Man. to Qué., N.H. to Conn., Ky., N.C., s. to Miss. & Fla.
Omisus pica Townes, 1945: 27.—N.H.

Genus PAGASTIELLA Brundin

Pagastiella Brundin, 1949: 840.
 Type-species, *Chironomus orophilus* Edwards (orig. des.).

- orophila.** Maine to Conn., Ky., N.C., s. to Miss. & Fla.
Chironomus orophilus Edwards, 1929: 405.—Great Britain.
- ostansa.** N.W.T., B.C. to Ont., N.H., N.C., S.C.
Paralauterborniella ostansa Webb, 1969: 102.—Ont.
- Paralauterborniella ostensa* (error), Boerger et al., 1982: 917.—Alta.

Genus PARACHIRONOMUS Lenz

Parachironomus Lenz, 1921: 160.
 Type-species, *Chironomus cryptotomus* Kieffer (Townes, 1945: 152).

- abortivus.** Ont., N.Y., Pa., Ill., Oreg. to S. Dak., s. to N. Mex. & Okla.
Chironomus abortivus Malloch, 1915b: 465.—Ill.
- alatus.** Ky., N.C., s. to Miss. & Fla.
Chironomus alatus Beck, 1962: 91.—Fla.
- carinatus.** S. Dak. to N.Y., s. to N. Mex. & Fla.
Harnischia carinata Townes, 1945: 158.—Ark.
- chaetaolus.** Calif. to Fla., Kans., Ind.
Tendipes chaetaola Sublette, 1960: 220.—Calif.

- directus.** Kans., Ky., N.C., s. to La. & Fla.
Tendipes directus Dendy & Sublette, 1959: 514.—Ala.

- elodeae.** Qué., N.Y.
Harnischia elodeae Townes, 1945: 156.—N.Y.

- forceps.** Man., Mich., Mass.
Harnischia forceps Townes, 1945: 157.—Mass.

- frequens.** Widespread NE.; PA.
Chironomus frequens Johannsen, 1905: 230.—N.Y.

- hirtalatus.** Ill. to Pa., s. to Miss. & Fla.
Chironomus hirtalatus Beck & Beck, 1964: 203.—Fla.

- monochromus.** Sask., Qué., Mich., Ill. to Mass., s. to Calif. & Fla.; PA.
Chironomus monochromus Wulp, 1874: 129 (n. nam. for *Chironomus unicolor* Wulp, 1858: 162, preocc. Walker, 1848).—Netherlands.

- pectinatellae.** Ill. to Pa., s. to Miss. & Fla.
Cryptochironomus pectinatellae Dendy & Sublette, 1959: 516.—Ala.

- potamogeti.** Man. to Qué., s. to N. Mex. & Fla.
Harnischia potamogeti Townes, 1945: 159.—N.Y.

- schneideri.** Ky., N.C., s. to Miss. & Fla.
Parachironomus schneideri Beck & Beck, 1969: 287.—Fla.

- sublettei.** Fla.
Chironomus sublettei Beck, 1961: 127.—Fla.

- tenuicaudatus.** B.C., Sask. to Qué., widespread U.S.A.; PA.
Chironomus tenuicaudatus Malloch, 1915b: 475.—Ill.

- varus.** Man., N.Y.; PA.
Chironomus varus Goetghebuer, 1921: 162.—Belgium.

Genus PARACLADOPELMA Harnisch

Paracladopelma Harnisch, 1923: 304.
 Type-species, *Tendipes camptolabis* Kieffer (orig. des.).

- alphaeus.** Calif.; PA.
Tendipes alphaeus Sublette, 1960: 222.—Calif.

- camptolabis.** Ont.; PA.
Tendipes camptolabis Kieffer, 1913a: 40.—Germany.

- doris.** S. Dak., Iowa, Okla.
Harnischia doris Townes, 1945: 151.—Okla.

- galaptera.** B.C., Man., Qué., Ont., S. Dak. to N.Y. & Ill.
Harnischia galaptera Townes, 1945: 148
 (n. nam. for *Chironomus claripennis* Malloch, 1915b: 439, preocc. Lundbeck, 1898).—Mich.
- loganae.** Kans., Ohio, Ky., N.C., s. to Miss. & Fla.
Paracladopelma loganae Beck & Beck, 1969: 303.—Fla.
- nais.** Ont., N.Y., Mich., Pa.
Harnischia nais Townes, 1945: 149.—N.Y.
- nereis.** Sask., Minn., Mich., Kans., N.C., S.C., Ga.; PA.
Harnischia nereis Townes, 1945: 150.—S.C.
- nixe.** Colo.
Harnischia nixe Townes, 1945: 149.—Colo.
- undine.** Alta. to N.Y., Oreg., S. Dak., Kans., Ky., N.C., s. to Miss. & Fla.; PA.
Harnischia undine Townes, 1945: 149.—Oreg.
- winnelli.** Y.T., N.W.T., Ont., Wis., Mich.
Paracladopelma winnelli Jackson, 1977: 1334.—Mich.

Genus PARALAUTERBORNIELLA Lenz

- Paralauterborniella* Lenz, 1941b: 48.
 Type-species, *Chironomus brachylabis* Edwards (orig. des.) = *Chironomus nigrohalteralis* Malloch.

- nigrohalterale.** Y.T. to Ont., Colo., N.Y., s. to Tex. & Fla.; PA.
Chironomus nigrohalteralis Malloch, 1915b: 440.—Ill.

Genus PARATENDIPES Kieffer

- Paratendipes* Kieffer, 1911a: 41.
 Type-species, *Chironomus albimanus* Meigen (orig. des.).

- albimanus.** Alta., Ont., Qué., N.B., Oreg. to N.Y., s. to Calif. & S.C.; PA.
Chironomus albimanus Meigen, 1818: 40
 (n. nam. for *Chironomus annularis* Meigen, 1804: 17, preocc. De Geer, 1776).—Europe.
- basidens.** Iowa, N.J., N. Mex., Ala.
Paratendipes basidens Townes, 1945: 30.—N.J.

- duplicatus.** Ont., S. Dak., Mich. to Okla., R.I., N.C., S.C.
Chironomus duplicatus Johannsen, 1937b: 28. (n. nam. for *Chironomus basalis* Malloch, 1915b: 441, preocc. Staeger, 1845).—N.Y.
- fuscitibia.** Calif.
Paratendipes fuscitibia Sublette, 1960: 200.—Calif.
- nitidulus.** Ohio, Mich., N.J., Pa., Del., Md.
Chironomus nitidulus Coquillett, 1901b: 608.—N.J.
- Chironomus nitidellus* (error), Malloch, 1915b: 468.
- nudisquama.** Ont.; PA.
Chironomus nudisquama Edwards, 1929: 396—England, Ireland.
- subaequalis.** Man. to Qué., s. to Kans. & Fla., Calif.; PA.
Chironomus subaequalis Malloch, 1915b: 440.—Ill.
- thermophilus.** Calif., Nev., Ariz., N. Mex.
Paratendipes thermophilus Townes, 1945: 31.—Ariz.

Genus PHAENOPSECTRA Kieffer

- Phaenopsectra* Kieffer, 1921c: 274.
 Type-species, *Chironomus leucolabis* Kieffer (Goetghebuer in Goetghebuer & Lenz, 1938: 80) = *Chironomus flavipes* Meigen.

- dyari.** Mont., Calif., Ohio, Fla.
Tanytarsus dyari Townes, 1945: 75.—Calif.
- flavipes.** Wash. to Qué., s. to Calif. & Fla.; PA.
Chironomus flavipes Meigen, 1818: 50.—Europe.
- Tanytarsus flavicauda* Malloch, 1915b: 493.—Ill.
- incompta.** Grd.; PA.
Chironomus incomptus Zetterstedt, 1838: 816.—Sweden.
- mortensonii.** Calif.
Phaenopsectra mortensonii Grodhaus, 1987b: 137.—Calif.
- obediens.** Wash., Sask. to N.B., s. to Colo. & S.C.; PA.
Tanytarsus obediens Johannsen, 1905: 286.—N.Y.
- pilicellata.** Calif.
Phaenopsectra pilicellata Grodhaus, 1976: 405.—Calif.

- profusa.** Wash. to Mont., s. to Calif. & N. Mex.
Tanytarsus profusus Townes, 1945:
 73.—Nev.
punctipes. Sask. to Ont., Qué., N.Y., Idaho, N.J., N.C., S.C.; PA.
Chironomus punctipes Wiedemann, 1817:
 65.—Germany.
vittata. Ont., Qué., N.J., N.C., S.C.
Tanytarsus vittatus Townes, 1945:
 77.—N.J.

Genus POLYPEDILUM Kieffer

- Polypedilum* Kieffer, 1912b: 41.
 Type-species, *pelostolum* Kieffer =
Chironomus nubifer Skuse (Ashe, 1981:
 58).

Subgenus PENTAPEDILUM Kieffer

- Pentapedilum* Kieffer, 1913b: 25.
 Type-species, *Pentapedilum stratiotale* Kieffer (Edwards, 1929: 376) =
Chironomus tritus Walker.

- sordens.** Qué., Mich. to N.Y., R.I., Va.; PA.
Tanytarsus sordens Wulp, 1874:
 141.—Netherlands.
Tanytarsus fulvescens Johannsen, 1905:
 293.—N.Y.
Calopsectra americana Kieffer, 1917:
 357.—N.Y.
tritum. B.C. to N.B., s. to Calif., Tex. & Fla.; PA.
Chironomus tritus Walker, 1956a:
 342.—England.
Polypedilum albulum Townes, 1945:
 63.—N.Y.

Subgenus POLYPEDILUM Kieffer

- albicone.** B.C., Ont., Qué., Nfld., Wis. to Ohio & Mass., Idaho, Calif. to La., Fla.
Chironomus albicornis Meigen, 1838:
 6.—Europe.
Polypedilum nigritum Townes, 1945:
 56.—N.Y.
angustum. B.C., Ont., Qué., Nfld., Minn. to Va., Calif., Ark., Fla.
Polypedilum angustum Townes, 1945:
 56.—N.J.
artifer. Wash., Calif. to Qué., N.Y., Ohio, N. Mex., Va.
Chironomus artifer Curran, 1930:
 32.—N.Y.

- aviceps.** Alta., Ont., Qué. to N.H., Mont. s. to Calif. & Tex., Fla.
Polypedilum aviceps Townes, 1945:
 61.—N.Y.
braseniae. N.W.T. to Ont., N.Y., Ohio, Wash., Oreg., S. Dak., Ky., Va. to Fla.
Chironomus braseniae Leathers, 1922:
 8.—N.Y.
californicum. Calif.
Polypedilum californicum Sublette, 1960:
 204.—Calif.
calopterus. Ont., Qué., Mich., N.Y., Md., Va.
Chironomus calopterus Mitchell, 1908:
 8.—Md.
Polypedilum walleyi Townes, 1945:
 52.—Qué.
cinctum. Oreg., Calif., Nev., Va.
Polypedilum cinctum Townes, 1945:
 59.—Nev.
convictum. Sask., Ont., Qué., s. to Kans. & Fla.; PA.
Chironomus convictus Walker, 1956a:
 161.—England.
Chironomus flavus Johannsen, 1905:
 225.—N.Y.
Chironomus flaviventris Johannsen, 1907b:
 111.—Kans.
Polypedilum obtusum Townes, 1945:
 60.—N.Y.
fallax. Alta., Sask., Qué., s. to Utah & Fla.
Chironomus fallax Johannsen, 1905:
 210.—N.Y.
Polypedilum fallax var. *fallax* Johannsen, 1905: 210.—Ont., Qué., Ill., Ind., Mich., Vt., N.Y., Tenn.
fuscipenne. B.C., Wash., Oreg., Mont. to Colo.; PA.
Chironomus fuscipennis Meigen, 1818:
 35.—Europe.
illinoense. N.W.T. to Qué., s. to Calif. & Fla.; PA.
Chironomus illinoensis Malloch, 1915b:
 471.—Ill.
laetum. Alta. to Qué., s. to Calif., N. Mex., N.C., S.C.; PA.
Chironomus laetus Meigen, 1818:
 38.—Europe.
nubeculosum. N.W.T. to Qué., Minn. to N.Y., Idaho, Ind., Colo.; PA.
Chironomus nubeculosus Meigen, 1804:
 18.—Europe.
ontario. Ont., Qué. s. to N. Mex., La. & D.C.
Chironomus ontario Walley, 1926b:
 206.—Ont.
Chironomus hirtipes Mitchell, 1908: 9
 (preocc. Macquart, 1834).—Md.

- ophioides.** N.W.T., Qué., Idaho, Minn. to Mass., s. to Va., Calif.
Polypedilum ophioides Townes, 1945: 57.—N.Y.
- parascalaenum.** Fla.
Polypedilum parascalaenum Beck, 1962: 91.—Fla.
- pedatum.** B.C., Ont., Qué., N.S., Mich., N.Y., Va., La., Wash., Mont., Calif.
Polypedilum pedatum pedatum Townes, 1945: 55.—N.Y.
- Polypedilum pedatum excelsius* Townes, 1945: 55.—Wash.
- subcultellatum.** Calif.
Polypedilum subcultellatum Sublette, 1960: 204.—Calif.
- sulaceps.** Wash. to S. Dak., Calif. to N. Mex.
Polypedilum sulaceps Townes, 1945: 58.—Idaho.
- trigonus.** Ont. to N.B., Idaho, S. Dak. to N.Y., s. to N. Mex. & Fla.
Polypedilum trigonus Townes, 1945: 49.—N.Y.
- vibex.** Ont., Qué., N.J., Wash., Nev., N.C., S.C., Fla.
Polypedilum vibex Townes, 1945: 52.—Ont.
- Subgenus TRIPODURA Townes**
Tripodura Townes, 1945: 36.
 Type-species, *simulans* Townes (orig. des.).
- acifer.** Man., Mich., Ohio; PA.
Polypedilum acifer Townes, 1945: 46.—Mich.
- albinodus.** Ont., Qué., Idaho, Ohio, Va., Calif., N.C., S.C.
Polypedilum albinodus Townes, 1945: 41.—Idaho.
- apicatum.** Calif., Nev., Ariz., N. Mex., Ill.
Polypedilum apicatum Townes, 1945: 39.—N. Mex.
- Chironomus octopunctatus* Loew, 1861b: 33 (of Malloch 1915b: 427).—Ill.
- floridense.** Miss., Fla.
Polypedilum floridense Townes, 1945: 43.—Miss.
- gomphus.** Alta., Ont., Mass., N.C., S.C., Fla.
Polypedilum gomphus Townes, 1945: 42.—Mass.
- halterale.** Widespread NE.
Chironomus halteralis Coquillett, 1901a: 17.—D.C.
- Polypedilum digitifer* Townes, 1945: 45.—S. Dak.
- Chironomus griseopunctatus* Malloch, 1915b: 428.—Ill.

- Polypedilum simulans* Townes, 1945: 43.—N.Y.
- isocerus.** Calif., Nev.
Polypedilum isocerus Townes, 1945: 42.—Calif.
- labeculosum.** Calif., Nev., Ariz., N. Mex.
Chironomus labeculosus Mitchell, 1908: 14.—Ariz.
- pardus.** Tex., S.C.
Polypedilum pardus Townes, 1945: 41.—Tex.
- parvum.** Md. to Calif., Tex., Fla.
Polypedilum parvum Townes, 1945: 40.—Miss.
- pterosipilus.** Ariz., N. Mex., Tex., Fla.
Polypedilum pterosipilus Townes, 1945: 40.—Tex.
- scalaenum.** Widespread NE.; PA.
Tipula scalaena Schrank, 1803: 73.—Germany.
- Chironomus needhamii* Johannsen, 1908: 278.—N.Y., Ind., Kans., Wash.; PA.
- Genus ROBACKIA Sæther**
Robackia Sæther, 1977b: 123.
 Type-species, *Tendipes demejerei* Kruseman (orig. des.).
- claviger.** Wash., Sask., S. Dak. to Ind., s. to N. Mex. & Fla.
Harnischia claviger Townes, 1945: 158.—S.C.
- demejerei.** Y.T., N.W.T., Alta. to Wyo. & Ohio, s. to Miss. & Fla.; PA.
Tendipes demejerei Kruseman, 1933: 195.—Europe.

- Genus SAETHERIA Jackson**
Saetheria Jackson, 1977: 1325.
 Type-species, *Harnischia tylus* Townes (orig. des.).
- hirta.** S.C.
Saetheria hirta Sæther, 1983a: 400.—S.C.
- tylus.** Y.T., N.W.T., Ind., Kans., N.C., S.C., Ga.
Harnischia tylus Townes, 1945: 150.—Ind.

- Genus SERGENTIA Kieffer**
Sergentia Kieffer, 1922a: 288.
 Type-species, *profundorum* Kieffer (orig. des.) = *Chironomus coracinus* Zetterstedt.

Subgenus SERGENTIA Kieffer

- albescens.** B.C., Alta., Wash. s. to Calif. & Colo.
Tanytarsus albescens Townes, 1945: 73.—Wash.
coracina. N.W.T. to Sask., Ont., Mont., Minn. to Ohio, Grld.; PA.; OR.
Chironomus coracinus Zetterstedt, 1850: 3508.—Sweden.

Genus STELECHOMYIA Reiss

- Stelechomyia* Reiss, 1982: 294.
 Type-species, *Chironomus perpulcher* Mitchell (orig. des.).

- perpulchra.** Ont. to Maine, s. to Tex. & Fla.
Chironomus perpulcher Mitchell, 1908: 13.—Md.

Genus STENOCHIRONOMUS Kieffer

- Stenochironomus* Kieffer in Kieffer & Thienemann, 1919: 44. Type-species, *fasciatus* Geoffroy (Kieffer, 1922d: 56) = *gibbus* Fabricius.

Subgenus PETALOPHOLEUS Borkent

- Petalopholeus* Borkent, 1984: 92.
 Type-species, *Stenochironomus cinctus* Townes (orig. des.).

aestivalis. N.J. to Fla.

- Stenochironomus aestivalis* Townes, 1945: 86 (in part).—N.J.

browni. Fla.

- Stenochironomus browni* Townes, 1945: 86.—Fla.

cinctus. Ont., Qué., s. to Fla.

- Stenochironomus cinctus* Townes, 1945: 87.—Fla.

totifuscus. Calif., Ariz.

- Stenochironomus totifuscus* Sublette, 1960: 210.—Calif.

Subgenus STENOCHIRONOMUS Kieffer

albipalpus. Pa., Md., Va.

- Stenochironomus albipalpus* Borkent, 1984: 66.—Md.

annettae. Tex.

- Stenochironomus annettae* Borkent, 1984: 54.—Tex.

bisetosus. Ariz.

- Stenochironomus bisetosus* Borkent, 1984: 61.—Ariz.

colei. B.C., Alta., s. to Calif. & Colo.

- Chironomus colei* Malloch in Cole & Lovett, 1919: 255.—Oreg.

fuscipatellus. B.C., Oreg., Calif.

- Stenochironomus fuscipatellus* Borkent, 1984: 64.—B.C.

hilaris. Y.T., B.C to Nfld., s. to N. Mex. & Fla., Mont., Idaho.

- Chironomus hilaris* Walker, 1848: 17.—Unknown.

- Chironomus taeniapennis* Coquillett, 1901b: 607.—Mass.

- Chironomus nephopterus* Mitchell, 1908: 7.—Md.

- Chironomus exquisitus* Mitchell, 1908: 11.—Md.

- Chironomus zonopterus* Mitchell, 1908: 12.—N.J.

macatee. Man. to Qué., s. to Fla. & Tex.

- Chironomus macatee* Malloch, 1915a: 45.—Md.

maculatus. N. Mex., Tex.

- Stenochironomus maculatus* Borkent, 1984: 52.—N. Mex.

niger. Ariz.

- Stenochironomus niger* Borkent, 1984: 57.—Ariz.

poecilopterus. Ont., Qué., s. to Colo. & Fla.

- Chironomus poecilopterus* Mitchell, 1908: 10.—Md.

pulchripennis. Ont., Qué., Nfld., s. to Pa. & Mich., Colo.

- Chironomus pulchripennis* Coquillett, 1902b: 94.—N.H.

unictus. Qué. to Miss. & Fla.

- Stenochironomus unictus* Townes, 1945: 89.—N.J.

woodi. Ont. to Nfld., s. to Va.

- Stenochironomus woodi* Borkent, 1984: 91.—Qué.

Genus STICTOCHIRONOMUS Kieffer

- Stictochironomus* Kieffer in Kieffer & Thienemann, 1919: 44. Type-species, *Chironomus pictulus* Meigen (Townes, 1945: 77).

albicus. Kans.

- Tanytarsus albicus* Townes, 1945: 79.—Kans.

annulicrus. Ont., N.Y., S. Dak., Tenn.

- Tanytarsus annulicrus* Townes, 1945: 83.—N.Y.

devinctus. Ont., Minn. to Maine, s. to Tex. & Fla.
Chironomus devinctus Say, 1829: 150.—Ind.
Chironomus compes Coquillett, 1908: 145.—Md.
Chironomus ornatipes Kieffer, 1917: 343.—N.Y.
flavicingula. Ont.; PA.
Chironomus flavicingula Walker, 1848: 20.—Ont.
lutosus. Mass.
Tanytarsus lutosus Townes, 1945: 83.—Mass.
marmoreus. Sask., Qué., N.Y., S.Dak., Mo., N. Mex.
Tanytarsus marmoreus Townes, 1945: 81.—Sask.
naevus. Calif., N. Mex.
Chironomus naevus Mitchell, 1908: 14.—N. Mex.
palliatus. Wis. to N.Y. & D.C., s. to Tex. & Ala.
Chironomus palliatus Coquillett, 1902b: 95.—D.C.
pictulus. Man.; PA.
Chironomus pictulus Meigen 1830: 244 (n. nam. for *Chironomus sticticus* Meigen, 1818: 37, preocc. Fabricius, 1781).—Not stated.
quagga. Sask., Calif.
Tanytarsus quagga Townes, 1945: 81.—Calif.
rosenschoeldi. Alas., N.W.T., Sask.; PA.
Chironomus rosenschoeldi Zetterstedt, 1838: 811.—Europe.
sticticus. Man.; PA.
Tipula stictica Fabricius, 1781: 407.—Germany.
Tipula histrio Fabricius, 1794: 244.—Germany.
unguiculatus. N.W.T., Grld.
Chironomus unguiculatus Malloch, 1934: 16.—N.W.T.
varius. Minn. to N.Y., Iowa to Ohio, Colo., Kans., N. Mex.
Tanytarsus varius Townes, 1945: 82.—N.Y.
virgatus. Mont., Ill.
Tanytarsus virgatus Townes, 1945: 84.—Mont.

Genus SYNENDOTENDIPES Grodhaus
Synendotendipes Grodhaus, 1987a: 198.
 Type-species, *luski* Grodhaus (orig. des.).

luski. Man., Calif.
Synendotendipes luski Grodhaus, 1987a: 202.—Calif.

Genus TRIBELOS Townes

Tribelos Townes, 1945: 66 (as subg. of *Tanytarsus* Wulp, 1874 sensu Townes).
 Type-species, *Chironomus dimorphus* Malloch (orig. des.) = *Chironomus jucundus* Walker.

atrum. Man., Ont., Qué., Minn., Mich., Va., N.C., S.C., Fla.

Tanytarsus ater Townes, 1945: 68.—Va.

fuscicorne. Minn. to Maine, s. to Tex. & Fla.
Chironomus fuscicornis Malloch, 1915b: 466.—Ill.

jucundum. B.C., Oreg. to N.B., s. to Okla. & Fla.
Tanytarsus jucundus Walker, 1848: 16.—Ga.

Chironomus dimorphus Malloch, 1915b: 464.—Ill.
Chironomus fusciventris Malloch, 1915b: 465.—Wis.

Tanytarsus protextus Townes, 1945: 69.—N.Y.

subatrum. Calif.
Tribelos subatrum Grodhaus, 1987a: 227.—Calif.

subletteorum. Calif.
Tribelos subletteorum Grodhaus, 1987a: 232.—Calif.

Genus XENOCHIRONOMUS Kieffer

Xenochironomus Kieffer, 1921c: 273.
 Type-species, *Chironomus xenolabis* Kieffer (Goetghebuer in Goetghebuer & Lenz, 1937: 32).

xenolabis. B.C. to Qué., s. to N. Mex. & Fla., Oreg. to Mo.; PA.

Chironomus xenolabis Kieffer in Thienemann & Kieffer, 1916: 526.—Sweden.

Genus XESTOCHIRONOMUS Sublette & Wirth

Xestochironomus Sublette & Wirth, 1972: 7 (n. nam. for *Insulanus* Sublette).
Insulanus Sublette, 1967b: 546 (preocc. Fleutiaux, 1933). Type-species, *Chironomus furcata* Johannsen (orig. des.).

brunneus. N. Mex.

Xestochironomus brunneus Borkent, 1984: 28.—N. Mex.

subletti. N. Mex., Tex., S.C., Fla.

Xestochironomus subletti Borkent, 1984: 25.—Tex.

Genus ZAVRELIELLA Kieffer

Zavreliella Kieffer, 1920b: 334.

Type-species, *Chironomus clavaticrus* Kieffer (orig. des.) = *Chironomus marmoratus* Wulp.

varipennis. Ont., Qué., Mich., Mass., Pa., s. to N. Mex. & Fla.

Chironomus varipennis Coquillett, 1902b: 94.—N. Mex.

Tribe PSEUDOCHIRONOMINI**Genus PSEUDOCHIRONOMUS** Malloch

Pseudochironomus Malloch, 1915b: 500.
Type-species, *richardsoni* Malloch (orig. des.).

anas. Qué., N.Y.

Pseudochironomus anas Townes, 1945: 17.—N.Y.

articaudus. Man., Ont., Qué.

Pseudochironomus articaudus Sæther, 1977b: 81.—Man.

aureus. Kans.

Psectrocladius aureus Johannsen, 1908: 283.—Kans.

badius. Man.

Pseudochironomus badius Sæther 1977b: 69.—Man.

banksi. Ont., N.J., Mass., Fla.

Pseudochironomus banksi Townes, 1945: 17.—Mass.

chen. Ont., Md., N. Mex. to La.

Pseudochironomus chen Townes, 1945: 18.—Md.

crassus. N.W.T., Man.

Pseudochironomus crassus Townes, 1945: 15.—Hudson Bay Territory, N.W.T.

fulviventris. Man. to N.B., S. Dak. to N.Y., s. to Tex. & Fla.

Chironomus fulviventris Johannsen, 1905: 229.—N.Y.

julia. Qué., Mich., N.Y., Ohio, N. Mex. to La.

Orthocladius julia Curran, 1930: 34.—N.Y.
Pseudochironomus aix Townes, 1945:

19.—Mich.

middlekauffi. Man., Ont., N.Y., Ill., Kans., Fla.

Pseudochironomus middlekauffi Townes, 1945: 18.—N.Y.

netta. Ont., Mich., N.Y., Mass., N.J.

Pseudochironomus netta Townes, 1945: 19.—N.Y.

pseudoviridis. Man., S. Dak., Iowa to N.Y., Colo. to Tex.

Chironomus pseudoviridis Malloch, 1915b: 450.—Ill.

rex. Man., Iowa, Fla.

Pseudochironomus rex Hauber, 1947: 458.—Iowa.

richardsoni. Ont. s. to Calif. & Fla.

Pseudochironomus richardsoni Malloch, 1915b: 500.—Ill.

Tribe TANYTARSINI**Genus CLADOTANYTARSUS** Kieffer

Cladotanytarsus Kieffer, 1921c: 277.
Type-species, *pallidus* Kieffer (sub. mon.); Kieffer, 1922e: 100).

Lenziella Kieffer, 1922c: 361.

Type-species, *bicornuta* Kieffer (orig. des.).

aeiparthenus. Ont.

Cladotanytarsus aeiparthenus Bilyj, 1989: 948.—Ont.

atridorsum. Man.; PA.

Cladotanytarsus atridorsum Kieffer, 1924b: 38.—Germany.

crusculus. S. Dak., N. Mex.

Lenziella cruscula Sæther, 1971: 1825.—S. Dak.

daviesi. Ont.

Cladotanytarsus daviesi Bilyj, 1989: 951.—Ont.

elaensis. Ont.

Cladotanytarsus elaensis Bilyj, 1989: 955.—Ont.

fusiformis. Ont.

Cladotanytarsus fusiformis Bilyj, 1989: 954.—Ont.

mancus. Iowa; PA.

Chironomus mancus Walker, 1956a: 161.—England.

muricatus. Ont.

Cladotanytarsus muricatus Bilyj, 1989: 956.—Ont.

pinnaticornis. Ont.

Cladotanytarsus pinnaticornis Bilyj, 1989: 953.—Ont.

tribelus. Ont.

Cladotanytarsus tribelus Bilyj, 1989:
957.—Ont.

viridiventris. Alas., N.W.T., Alta., Ont., Qué., Mich., N.Y., Ohio, Calif. to N.C., s. to Fla.

Tanytarsus viridiventris Malloch, 1915b:
491.—Mich.

Genus CONSTEMPELLINA Brundin

Constempellina Brundin, 1947: 82.
Type-species, *Tanytarsus brevicosta* Edwards (orig. des.).

brevicosta. Alas. to N.W.T., Man. to Qué.; PA.

Tanytarsus brevicosta Edwards, 1937:
146.—Sweden.

Genus CORYNOCERA Zetterstedt

Corynocera Zetterstedt, 1838: 856.
Type-species, *ambigua* Zetterstedt (mon.).

ambigua. N.W.T.; PA.

Corynocera ambigua Zetterstedt, 1838:
856.—Sweden.

Genus KRENOPSECTRA Reiss

Krenopsectra Reiss, 1969b: 435.
Type-species, *fallax* Reiss (orig. des.).

Unnamed species.—W. Can.

Genus MICROPSECTRA Kieffer

Micropsectra Kieffer, 1909: 50 (as subg. of *Tanytarsus* Wulp, 1874). Type-species, *Tanytarsus inermipes* Kieffer (Kieffer, 1921b: 35, as *inermis*) = *Chironomus notescens* Walker, .

Lauterbornia Kieffer, 1911a: 42.
Type-species, *Chironomus coracinus* Zetterstedt, 1850 sensu Kieffer, (misident., orig. des.)

Lundstroemia Kieffer, 1921c: 276.
Type-species, *Tanytarsus roseiventris* Kieffer, 1909 (sub. mon.; Kieffer, 1921b: 36).

Oeklandia Kieffer, 1922b: 6.
Type-species, *borealis* Kieffer (mon.).

apposita. Ont.; PA.

Chironomus apposita Walker, 1956a:
191.—England.

attenuata. Ont.; PA.

Micropsectra attenuata Reiss, 1969c:
432.—Germany.

borealis. N.W.T., Novaya Zemlya.

Oeklandia borealis Kieffer, 1922b:
6.—Novaya Zemlya.

brundini. Y.T., N.W.T., Grld.; PA.

Micropsectra brundini Säwedal, 1979:
134.—Grld.

connexa. Sask., Ont., Qué., Maine.

Chironomus connexus Kieffer, 1906a: 17
(n. nam. for *Chironomus confinis* Walker, 1848: 15, preocc. Meigen, 1830).—Ont.

Chironomus brunneus Walker, 1848:
21.—Ont.

deflecta. N.Y., Ohio.

Tanytarsus deflectus Johannsen, 1905:
288.—N.Y.

dives. Mont., Wis. to Maine, Colo., Ohio, Ky., N.Y.

Tanytarsus dives Johannsen, 1905:
288.—N.Y.

groenlandica. Y.T., Grld.; PA.

Micropsectra groenlandica Andersen, 1937:
33.—Grld.

insignilobus. Grld., N.W.T.; PA.

Micropsectra insignilobus Kieffer,
1924c: 86.—Norway.

junci. Mich., Grld.; PA.

Chironomus junci Meigen, 1818:
50.—Germany.

Chironomus brunnipes Zetterstedt, 1850:
3518.—Sweden.

lindrothi. Grld.; PA.

Micropsectra lindrothi Goetghebuer in
Goetghebuer & Lindroth, 1931:
278.—Iceland.

logani. Utah., N. Mex.

Tanytarsus logani Johannsen, 1928:
33.—Utah.

nigripila. Sask., Man., Qué., N.Y. s. to Calif.
& La.

Tanytarsus nigripilus Johannsen, 1905:
287.—N.Y.

politina. Alta., Sask., Qué., Pa., Md., S. Dak., Ill., Oreg. s. to Ariz.

Tanytarsus politus Malloch, 1915b:
493.—Ill.

recurvata. N.C., S.C., Grld.; PA.

Micropsectra recurvata Goetghebuer, 1928:
117.—Belgium.

sedna. N.W.T.

Lauterbornia sedna Oliver, 1976:
1061.—N.W.T.

tori. Grld.

Micropsectra tori Säwedal, 1981:
28.—Grld.

xantha. Alta., Mass., Ky., N.C., s. to Miss. & Fla.

Calopsectra xantha Roback, 1955:
4.—Mass.

Genus NIMBOCERA Reiss

Nimbocera Reiss, 1972: 54. Type-species,
patagonica Reiss (orig. des.).

pinderi. S.C., Ga., Fla.

Nimbocera pinderi Steiner & Hulbert,
1982: 228.—Fla.

Genus PARAPSECTRA Reiss

Parapsectra Reiss, 1969a: 192.

Type-species, *Chironomus nanus*
Meigen (orig. des.).

Unnamed species.—Maine, N.C.

Genus PARATANYTARSUS Thienemann & Bause

Paratanytarsus Thienemann & Bause in
Bause, 1913: 120. Type-species,
Tanytarsus lauterborni Kieffer (Reiss &
Säwedal, 1981: 74).

Stylotanytarsus Kieffer, 1921c: 276.
Type-species, *Tanytarsus*
bauseellus (Langton et al., 1988:
318).

dissimilis. Ont., S. Dak. to Iowa, N.Y.,
Ohio, Okla., Tex., N.C., S.C.;
PA, perhaps widespread.

Tanytarsus dissimilis Johannsen, 1905:
292.—N.Y.

Paratanytarsus confusus Palmén,
1960: 283.—Finland.

dubius. Alta., Ill., Ky., N.C., s. to Miss. &
Fla.

Tanytarsus dubius Malloch, 1915b:
496.—Ill.

grimmii. Wash., Ont., N.B., Maine,
N.Y.

Chironomus grimmii Schneider,
1885: 301.—U.S.S.R.

Tanytarsus boemicus Bause, 1913:
97.—Czechoslovakia.

intricatus. Man.; PA.

Tanytarsus intricatus Goetghebuer, 1921:
121.—Belgium.

laccophilus. Man.; PA.

Tanytarsus laccophilus Edwards, 1929:
409.—England.

natvigi. N.W.T., Grld.; PA.

Micropsectra natvigi Goetghebuer, 1933:
21.—Grld.

penicillatus. Alas., N.W.T.; PA.

Tanytarsus penicillatus Goetghebuer, 1928:
143.—England.

setosimanus. N.W.T., Grld.; PA.

Ditanytarsus setosimanus Goetghebuer,
1933: 21.—Grld.

similatus. Alas., Wis.

Tanytarsus similatus Malloch, 1915b:
494.—Wis.

tenuis. Grld.; PA.

Chironomus tenuis Meigen, 1830:
255.—?Germany.

Genus RHEOTANYTARSUS Thienemann & Bause

Rheotanytarsus Thienemann & Bause in
Bause, 1913: 120 (as subg. of
Syntanytarsus Thienemann & Bause in
Bause, 1913). Type-species, *Tanytarsus*
pentapoda Kieffer (Goetghebuer in
Goetghebuer & Lenz, 1954: 132).

akrina. Kans.

Calopsectra akrina Roback, 1960:
1.—Kans.

distinctissimus. Alta., N.Y., Ohio; PA.

Stempelinella distinctissima Brundin, 1947:
88.—Sweden.

exiguus. Qué., Nfld., Mont. to N.Y., s. to
Miss. & Fla.

Tanytarsus exiguus Johannsen, 1905:
294.—N.Y.

magnini. Qué.

Rheotanytarsus magnini Cloutier &
Harper, 1986: 1.—Qué.

pellucidus. Ont.

Chironomus pellucidus Walker, 1848:
21.—Ont.

Genus SKUTZIA Reiss

Skutzia Reiss, 1985: 173. Type-species
inopinata Reiss (orig. des.).

inopinata. B.C.

Skutzia inopinata Reiss, 1985: 174.—B.C.

Genus STEMPELLINA Thienemann & Bause

Stempellina Thienemann & Bause in
Bause, 1913: 120. Type-species,
Tanytarsus bausei Kieffer (mon.).

bausei. Not NE.

Tanytarsus bausei (originally as *bauri*,
typographical error) Kieffer, 1911a:
46.—Germany.

johannsenii. N.Y.

Tanytarsus johannsenii Thienemann &
Bause in Bause, 1913: 67.—N.Y.

leptocelloides. Alta., Ont.

Stempellina leptocelloides Webb, 1969:
94.—Ont.

ranota. Ont.

Stempellina ranota Webb, 1969: 96.—Ont.

rodesta. Ont.

Stempellina rodesta Webb, 1969: 95.—Ont.

Genus STEMPELLINELLA Brundin

Stempelinella Brundin, 1947: 87.
Type-species, *Tanytarsus saltuum*
Goetghebuer (orig. des.).

brevis. Man., Ont.; PA.

Tanytarsus brevis Edwards, 1929:
420.—Scotland, England, Ireland.

minor. Alas., Man.; PA.

Tanytarsus minor Edwards, 1929: 420.—N.
Wales, England.

Genus SUBLETTEA Roback

Sublettea Roback, 1975: 71 (as subg. of
Tanytarsus Wulp, 1874). Type-species,
Tanytarsus coffmani Roback (orig.
des.).

coffmani. N.B., Vt., N.Y., Ohio, Pa., s. to
Ga.

Tanytarsus coffmani Roback, 1975:
72.—N.B.

Genus TANYTARSUS Wulp

Tanytarsus Wulp, 1874: 134.
Type-species, *Chironomus signatus*
Wulp, 1858 (ICZN 1961: 361, Opinion
616).
Calopsectra Kieffer, 1909: 50.
Type-species, *Calopsectra*
gregaria Kieffer (Kieffer, 1921b:
36).

allicis. La.

Tanytarsus allicis Sublette, 1964b:
146.—La.

anderseni. Alta., Man., Grld.

Tanytarsus anderseni Reiss & Fittkau,
1971: 129.—Grld.

brundini. N.Y.; PA.

Tanytarsus brundini Lindeberg, 1963:
127.—Finland.

buckleyi. Alta., N.Y., Ill., D.C., N. Mex. to
N.C., s. to Fla.

Tanytarsus buckleyi Sublette, 1964b:
143.—La.

confusus. N.Y., D.C., Ill., Okla., Ky., N.C., s.
to Tex. & Fla.

Tanytarsus confusus Malloch, 1915b:
490.—Ill.

curticornis. Alta.; PA.

Tanytarsus curticornis Kieffer, 1911a:
53.—Germany.

debilis. Man.; PA.

Chironomus debilis Meigen, 1830:
255.—Germany.

dendyi. N. Mex., Ky., N.C., s. to Tex. & Fla.

Tanytarsus dendyi Sublette, 1964b:
141.—La.

dispar. Alta., Man., Ont.; PA.

Tanytarsus dispar Lindeberg, 1967:
55.—Finland.

fatigans. Colo., N.Y.

Tanytarsus fatigans Johannsen, 1905:
292.—N.Y.

fimbriatus. N. Mex.; PA.

Tanytarsus fimbriatus Reiss & Fittkau,
1971: 118.—Spain.

gracilentus. Alas., N.W.T., B.C., Oreg.; PA.

Chironomus gracilentus Holmgren, 1883:
181.—Novaya Zemlya.

Chironomus deviatus Malloch, 1923:
172.—Alas.

guerlus. Man., N.Y., Pa., N.J., Fla.

Calopsectra guerla Roback, 1957a:
133.—Pa.

inaequalis. Alas., N.W.T., Man.; PA.

Tanytarsus inaequalis Goetghebuer, 1921:
118.—Belgium.

islandicus. N.W.T.

Tanytarsus islandica Malloch, 1934:
17.—N.W.T.

lapponicus. Man.; PA.

Tanytarsus lapponicus Lindeberg, 1970:
310.—Finland.

limneticus. Alta., La.

Tanytarsus limneticus Sublette, 1964b:
146.—La.

- mendax.** B.C., Man., N. Mex. to La., N.C., S.C.; PA.
Tanytarsus mendax Kieffer, 1925b: 223.—Germany.
holochlorus. Edwards, 1929: 414.—England.
xanthus. Sublette, 1964b: 142.—La.
muticus. N.Y., Wis., Ill., Ohio, Colo.
Tanytarsus muticus Johannsen, 1905: 294.—N.Y.
nemorosus. Man.; PA.
Tanytarsus nemorosus Edwards, 1929: 416.—England.
neoflavellus. Man., S. Dak., Okla., N.Y., Ill., Ohio, s. to Tex. & Fla.
Tanytarsus neoflavellus Malloch, 1915b: 489.—Ill.
niger. N.W.T., Grld.; PA.
Tanytarsus niger Andersen, 1937: 40.—Grld.
norvegicus. N.W.T.; PA.
Fournieria norvegica Kieffer, 1924a: 394.—Norway.
pallidicornis. N. Mex.; PA.
Chironomus pallidicornis Walker, 1956a: 169.—England.
quadratus. N. Mex. to N.C., s. to Fla.
Tanytarsus quadratus Sublette, 1964b: 144.—La.
quadridentatus. Man.; PA.
Tanytarsus quadridentatus Brundin, 1947: 75.—Sweden.
recens. N. Mex. to N.C., s. to Fla.
Tanytarsus recens Sublette, 1964b: 143.—La.
signatus. Ont., N.Y.; PA.
Chironomus signatus Wulp, 1858: 169.—Netherlands.
tibialis. Ont.
Tanytarsus tibialis Webb, 1969: 100.—Ont.
trilobus. Ont.
Tanytarsus trilobus Webb, 1969: 99.—Ont.
usmaensis. Man.; PA.
Tanytarsus usmaensis Pagast, 1931: 232.—U.S.S.R.
varelius. Pa.
Calopsectra varela Roback, 1957a: 128.—Pa.

Incrica sedis in Tanytarsus

- Chironomus flabellatus* Meigen,
 1818: 51.—Not NE.
Chironomus flavellus Zetterstedt, 1838:
 816.—Probably not NE.
Chironomus pusio Meigen, 1830:
 256.—Not NE.

- Genus ZAVRELIA** Kieffer
Zavrelia Kieffer in Bause 1913: 73.
 Type-species, *pentatoma* Kieffer (mon.).
pentatoma. Not NE.
Zavrelia pentatoma Kieffer in Bause, 1913:
 75.—Czechoslovakia.
 Unnamed species.—B.C., Ont., N.B.,
 N.S.

REFERENCES\BIBLIOGRAPHIE

- Aagard, K. 1979. *Eukiefferiella sivertseni* n. sp. from Norway (Diptera: Chironomidae). *Entomologica scand.* Suppl. 10: 95-97.
- Andersen, F.S. 1937. Über die Metamorphose der Ceratopogoniden und Chironomiden Nordost-Grönlands. *Meddr Grönland* 116(1): 1-95.
- Ashe, P. 1981. A taxonomic note on the genus *Polydendrum* Kieffer (Diptera: Chironomidae) with an earlier date for the genus and designation of a type-species. *Aquat. Insects* 3: 57-59.
- Ashe, P. 1983. A catalogue of chironomid genera and subgenera of the world including synonyms (Diptera: Chironomidae). *Entomologica scand.* Suppl. 17: 1-68.
- Ashe, P. & D.A. Murray. 1980. *Nostococladius*, a new subgenus of *Cricotopus* (Diptera: Chironomidae). Pp. 105-111. In: Murray, D.A. (Ed.): Chironomidae - Ecology, Systematics, Cytology & Physiology. Pergamon Press, Oxford. 354 pp.
- Atchley, W.R. & J. Martin. 1971. A morphometric analysis of differential sexual dimorphism in larvae of *Chironomus* (Diptera). *Can. Ent.* 103: 319-327.
- Bause, E. 1913. Die Metamorphose der Gattung *Tanytarsus* und einiger verwandter Tendipedidenarten. Ein Beitrag zur Systematik der Tendipediden. *Arch. Hydrobiol. Suppl.* 2: 1-241.
- Beck, E.C. 1961. Two new Chironomidae (Diptera) and additional state records from Florida. *Fla Ent.* 44: 125-128.
- Beck, E.C. 1962. Five new Chironomidae (Diptera) from Florida. *Fla Ent.* 45: 89-92.
- Beck, E.C. & W.M. Beck. 1969. Chironomidae (Diptera) of Florida. 111. The *Harnischia* complex (Chironominae). *Bull. Fla St. Mus. biol. Sci.* 13: 277-313.
- Beck, W.M. & E.C. Beck. 1958. A new species of *Xenochironomus* from Florida (Diptera: Chironomidae). *Fla Ent.* 41: 27-28.
- Beck, W.M. & E.C. Beck. 1964. New Chironomidae from Florida (Diptera). *Fla Ent.* 47: 201-207.
- Beck, W.M. & E.C. Beck. 1966. Chironomidae (Diptera) of Florida. I. Pentaneurini (Tanypodinae). *Bull. Fla St. Mus. biol. Sci.* 10: 305-379.
- Beck, W.M. & E.C. Beck. 1970. The immature stages of some Chironomini (Chironomidae). *O. JI Fla Acad. Sci.* 33: 29-42.
- Bilyj, B. 1984. Descriptions of two new species of Tanypodinae (Diptera: Chironomidae) from Southern Indian Lake, Canada. *Can. J. Fish. Aquat. Sci.* 41: 659-671.
- Bilyj, B. & I.J. Davies. 1989. Descriptions and ecological notes on seven new species of *Cladotanytarsus* (Chironomidae: Diptera) collected from an experimentally acidified lake. *Can. J. Zool.* 67: 948-962.
- Boerger, H.J., H.F. Clifford & R.W. Davies. 1982. Density and microdistribution of chironomid larvae in an Alberta brown-water stream. *Can. J. Zool.* 60: 913-920.
- Boesel, M.W. 1983. A review of the genus *Cricotopus* in Ohio, with a key to adults of species of the northeastern United States (Diptera, Chironomidae). *Ohio J. Sci.* 83: 74-90.
- Boesel, M.W. & R.W. Winner. 1980. Corynoneurinae of northeastern United States, with a key to adults and observations on their occurrence in Ohio (Diptera: Chironomidae). *J. Kans. ent. Soc.* 53: 501-508.
- Boheman, C.H. 1865. Spetsbergen insekt-fauna. *K. svenska VetenskAkad, Öfvers. Förhandl.* 22: 563-577.
- Borkent, A. 1984. The systematics and phylogeny of the *Stenochironomus* complex (*Xestochironomus*, *Harrisius*, and *Stenochironomus*) (Diptera: Chironomidae). *Men. ent. Soc. Can.* 128: 1-269.
- Brimley, C.S. 1938. The insects of North Carolina. N.C. Dep. of Agriculture, Raleigh, 560 pp.
- Brundin, L. 1947. Zur Kenntnis der schwedischen Chironomiden. *Ark. Zool.* 39: 1-95.
- Brundin, L. 1949. Chironomiden und andere Bodentiere der südschwedischen Urgebirgsseen. Ein Beitrag zur Kenntnis der bodenfaunistischen Charakterzüge schwedischer oligotroper Seen. *Rep. Inst. Freshwat. Res. Drottningholm* 30: 1-915.
- Brundin, L. 1956. Zur Systematik der Orthocladiinae (Dipt., Chironomidae). *Rep. Inst. Freshwat. Res. Drottningholm* 37:5-185.
- Brundin, L. 1966. Transantarctic relationships and their significance, as evidenced by chironomid midges with a monograph of the subfamilies Podonominae and Aphroteniinae and the Austral Heptagyiae. *K. svenska VetenskAkad. Handl.* 11: 7-472.
- Butler, M.G. 1982. Morphological and phenological delimitation of *Chironomus prior* sp. n. and *C. tardus* sp. n. (Diptera: Chironomidae), sibling species from Arctic Alaska. *Aquat. Insects* 4: 219-235.
- Caldwell, B.A. 1984. Two new species and records of other chironomids from Georgia

- (Diptera: Chironomidae) with some observations on ecology. Ga. J. Sci. 42: 81-96.
- Caldwell, B.A. 1985. *Paracricotopus millrockensis*, a new species of Orthocladiinae (Diptera: Chironomidae) from the southeastern United States. Brimleyana 11: 161-168.
- Caldwell, B.A. & A.R. Soponis. 1982. *Hudsonomyia parishi*, a new species of Tanypodinae (Diptera: Chironomidae) from Georgia. Fla Ent. 65: 506-513.
- Cannings, R.A. 1975. A new species of *Chironomus* (Diptera: Chironomidae) from saline lakes in British Columbia. Can. Ent. 107: 447-450.
- Claassen, P.W. 1922. The larva of a chironomid (*Trissocladius equitans* n. sp.) which is parasitic upon a may-fly nymph (*Rithrogena* sp.). Kans. Univ. Sci. Bull. 14: 395-399.
- Cloutier, L. & P.P. Harper. 1986. A new species of *Rheotanytarsus* from subarctic Quebec (Diptera: Chironomidae). Ent. News 97: 1-6.
- Coffman, W.P., L.C. Ferrington and R.M. Seward. 1988. *Paraboreochlus stahli* sp. n., a new species of Podonominae (Diptera: Chironomidae) from the Nearctic. Aquat. Insects 4: 189-200.
- Coffman, W.P. & S.S. Roback. 1984. *Lopescladius (Cordiella) hyporheicus*, a new subgenus and species (Diptera: Chironomidae: Orthocladiinae). Proc. Acad. nat. Sci. Philad. 136: 130-144.
- Cole, F.R. & A.L. Lovett. 1919. New Oregon Diptera. Proc. Calif. Acad. Sci. Ser. 4, 9: 221-255.
- Coquillett, D.W. 1895. Descriptions of new genera and species. Pp. 307-319. In: Johnson, C.W., Diptera of Florida. Proc. Acad. nat. Sci. Philad. 1895: 303-340.
- Coquillett, D.W. 1899. Order Diptera. Pp. 341-346. In: Jordan, D.S., The fur seals and fur-seal islands of the North Pacific Ocean 4, 384 pp. Washington, D.C.
- Coquillett, D.W. 1900. Papers from the Harriman Alaska Expedition. IX. Entomological results (3): Diptera. Proc. Wash. Acad. Sci. 2: 389-464.
- Coquillett, D.W. 1901a. Three new species of Diptera. Ent. News 12: 16-18.
- Coquillett, D.W. 1901b. New Diptera in the U.S. National Museum. Proc. U.S. natn. Mus. 23: 593-618.
- Coquillett, D.W. 1902a. Three new species of nematopterous [sic] Diptera. Ent. News 13: 84-85.
- Coquillett, D.W. 1902b. New Diptera from North America. Proc. U.S. natn. Mus. 25: 83-126.
- Coquillett, D.W. 1904. Several new Diptera from North America. Can. Ent. 36: 10-12.
- Coquillett, D.W. 1905. New nematopterous Diptera from North America. Jl N.Y. ent. Soc. 13: 53-69.
- Coquillett, D.W. 1908. New genera and species of Diptera. Proc. ent. Soc. Wash. (1907) 9: 144-148.
- Coquillett, D.W. 1910. The type-species of the North American genera of Diptera. Proc. U.S. natn. Mus. 37: 499-649.
- Cranston, P.S. 1975. Corrections and additions to the list of British Chironomidae (Diptera). Entomologist's mon. Mag. 110: 87-95.
- Cranston, P.S. 1982. The metamorphosis of *Symposiocladius lignicola* (Kieffer) n.gen., n.comb., a wood-mining Chironomidae (Diptera). Entomologica scand. 13: 419-429.
- Cranston, P.S. & D.D. Judd. 1987. *Metriocnemus* (Diptera: Chironomidae)—an ecological survey and description of a new species. Jl N.Y. ent. Soc. 95: 534-546.
- Cranston, P.S. & D.R. Oliver. 1988a. Additions and corrections to the Nearctic Orthocladiinae (Diptera: Chironomidae). Can. Ent. 120: 425-462.
- Cranston, P.S. & D.R. Oliver. 1988b. Aquatic xylophagous Orthocladiinae — systematics and ecology (Diptera, Chironomidae). Spixiana (Muench) 14: 143-154.
- Cranston, P.S. & O.A. Saether. 1986. *Rheosmittia* (Diptera: Chironomidae): a generic validation and revision of the western Palaearctic species. J. nat. Hist. 20: 31-51.
- Curran, C.H. 1929. New Diptera in the American Museum of Natural History. Am. Mus. Novit. 339: 1-13.
- Curran, C.H. 1930. Report on the Diptera collected at the station for the study of insects, Harriman Interstate Park, N.Y. Bull. Am. Mus. nat. Hist. 61: 21-115.
- Curtis, J. 1835. Descriptions, &c. of the insects brought home by Commander James Clark Ross, R.N., F.R.S., &c. Pp. lix-lxxx, pl. A. In: Ross, J. Narrative of a second voyage in search of a North-West Passage and of a residence in the Arctic Regions during the years 1829, 1830, 1831, 1832, 1833. London 1: 9-30.
- De Geer, C. 1776. Mémoires pour servir à l'histoire des insectes 6: viii + 523 pp. Stockholm.

- Dendy, J.S., & J.E. Sublette. 1959. The Chironomidae (= Tendipedidae: Diptera) of Alabama with descriptions of six new species. Ann. ent. Soc. Am. 52: 506-519.
- Eaton, A.E. 1875. Breves dipterarum uniusque lepidopterarum Insulae Kerguelensi indigenarum diagnoses. Entomologist's mon. Mag. 12: 58-61.
- Edwards, F.W. 1922. Results of the Oxford University Expedition to Spitzbergen, 1921. Ann. Mag. nat. Hist. (9)10: 193-215.
- Edwards, F.W. 1924a. A note on the genus *Protanytus* Kieffer (Diptera: Chironomidae). Annls Biol. lacustre 13: 119-122.
- Edwards, F.W. 1924b. Results of the Merton College Expedition to Spitzbergen, 1923, No. 4. Diptera Nematocera. Ann. Mag. nat. Hist. (9)14: 162-174.
- Edwards, F.W. 1924c. Some British species of *Corynoneura* (Diptera-Chironomidae). Entomologist's mon. Mag. 60: 182-189.
- Edwards, F.W. 1929. British non-biting midges (Diptera, Chironomidae). Trans. R. ent. Soc. Lond. 77: 279-430.
- Edwards, F.W. 1931. Diptera of Patagonia and South Chile. 11, 5, Chironomidae: 233-331. Trustees of the British Museum, London.
- Edwards, F.W. 1932a. Notes on Highland Diptera, with descriptions of six new species. Scott. Nat. 194: 43-52.
- Edwards, F.W. 1932b. Recent literature, Faune de France: 23, Diptères: Chironomidae, IV. Par M. Goetghebuer. Paris (Lechavalier), 1932. Entomologist 65: 140-141.
- Edwards, F.W. 1933. Oxford University Expedition to Hudson's Strait, 1931: Diptera Nematocera. With notes on some other species of the genus *Diamesa*. Ann. Mag. nat. Hist. 10(12): 611-620.
- Edwards, F.W. 1935. Diptera Nematocera from East Greenland. Ann. Mag. nat. Hist. 10(15): 467-473.
- Edwards, F.W. 1937. Chironomidae (Diptera) collected by Prof. Aug. Thienemann in Swedish Lapland. Ann. Mag. nat. Hist. Ser. 10(20): 140-148.
- Edwards, F.W. 1938. I. A new genus of the subfamily Podonominae. Pp. 152-154. In: Edwards, F.W. & A. Thienemann. Neuer Beitrag zur Kenntnis der Podonominae (Dipt. Chironomidae). Chironomidae aus Lappland IV. Zool. Anz. 122: 152-158.
- Enderlein, G. 1912. Die Insekten des Antarkto-Archiplata-Gebietes. K. svenska VetenskAkad. Handl. 48: 106-110.
- Epler, J.H. 1987. Revision of the Nearctic *Dicrotendipes* Kieffer, 1913 (Diptera: Chironomidae). Evol. Monogr. 9: 1-102.
- Fabricius, J.C. 1781. Species insectorum exhibentes eorum differentias specificas, synonoma, auctorum, loca natalia, metamorphosin. 517 pp. Hamburgi et Kilonii [=Hamburg and Kiel].
- Fabricius, J.C. 1794. Entomologia systematica emendata et aucta. Secundum classes, ordines, genera, species, adjectis synonymis, locis, descriptionibus, observationibus. 4, 472 pp. Copenhagen.
- Fabricius, J.C. 1805. Systema antiatorum secundum ordines, genera, species. 373 pp., + 30 pp. Brunsvigae [=Brunswick].
- Ferrington, L.C. & O.A. Sæther. 1987. Male, female, pupa and biology of *Oliveridia hugginsi* n. sp. (Chironomidae: Diptera) from Kansas. J. Kans. ent. Soc. 60: 451-461.
- Fitch, A. 1847. Winter insects of eastern New York. Am. J. Agric. Sci. 5: 274-284.
- Fittkau, E.J. 1957. *Thienemannomyia* und *Conchapelopia*, zwei neue Gattungen innerhalb der *Ablabesmyia-Costalis*-Gruppe (Diptera, Chironomidae). Chironomidenstudien VII. Arch. Hydrobiol. 53: 313-322.
- Fittkau, E.J. 1962. Die Tanypodinae (Diptera: Chironomidae). Die Tribus Anatopyniini, Macropelopiini und Pentaneurini. Abh. Larvalsyst. Insekten 6: 1-453.
- Fittkau, E.J. 1965. Revision der von E. Goeldi aus dem Amazonasgebiet beschriebenen Chironomiden (Diptera). Chironomidenstudien X. Beitr. neotrop. Fauna 4: 209-226.
- Fittkau, E.J. 1968a. Eine neue Tanypodinae-Gattung, *Djalmabatista* (Chironomidae, Diptera), aus dem brasilianischen Amazonasgebiet. Amazoniana 1: 327-349.
- Fittkau, E.J. 1968b. *Siolimya amazonica* n. gen. n. spec., eine flugfähige Chironomide (Diptera) mit linem Hypopygium inversum. Amazoniana 1: 259-265.
- Fittkau, E.J. & D.A. Murray. 1985. *Radotanypus* a new genus of Tanypodinae from the Nearctic (Diptera, Chironomidae). Spixiana Suppl. (Muench.) 11: 209-213.
- Fittkau, E.J. & D.A. Murray. 1988. *Bethbilbeckia floridensis*: a new genus and species of Macropelopiini from the South Eastern Nearctic (Diptera: Chironomidae). Spixiana Suppl. (Muench.) 14: 253-259.
- Fleutiaux, E. 1933. Genre nouveau et espèces nouvelles d'Eucnemididae de Madagascar (Col.). Bull. Soc. ent. Fr. (1932): 286-288.
- Freeman, P. 1957. A study of the Chironomidae (Diptera) of Africa south of

- the Sahara. Part III. Bull. Br. Mus. nat. Hist. (Ent.) 5: 321-426.
- Fries, B.F. 1830. Beskrifning öfver ett nytt släkte *Hydrobaenuss* hörande till Tipulariae. K. svenska VetenskAkad. Handl. 1829: 176-187.
- Garrett, C.B.D. 1925. Seventy new Diptera. Key to Pseudoleria, Helomyzidae, Tipulidae, Chironomidae, Dixinae, Orphnophilidae, Mycetophilidae. Cranbrook, B.C., 16 pp.
- Gistl, J. 1835. Neue Arten von Dipteren aus der Umgegend von München, benannt und beschrieben von Meigen, aufgefunden von Dr. J. Waltl. Faunus 2: 66-72.
- Goeldi, E.A. 1905. Os mosquitos no Para. Mem. Mus. paraense Hist. nat. Ethnogr. 4: 134-139.
- Goetghebuer, M. 1921. Chironomides de Belgique et spécialement de la zone des Flandres. Mém. Mus. r. Hist. nat. Belg. 8: 1-211.
- Goetghebuer, M. 1922. Nouveaux matériaux pour l'étude de la fauna des Chironomides de Belgique. Annls Biol. lacustre 11: 38-62.
- Goetghebuer, M. 1927. Les *Cricotopus* de Belgique (Dipt. Chironomidae). Bull. Annls Soc. r. ent. Belg. 67: 51-54.
- Goetghebuer, M. 1928. Diptères (Nématocères): Chironomidae. III. Chironomariae. Faune Fr. 18: 1-174.
- Goetghebuer, M. 1931. Ceratopogonidae et Chironomidae nouveaux d'Europe. Bull. Annls Soc. r. ent. Belg. 71: 211-218.
- Goetghebuer, M. 1932a. Diptères Chironomidae 1V (Orthocladiinae, Corynoneurinae, Clunioninae, Diamesinae). Faune Fr. 23: 1-204.
- Goetghebuer, M. 1932b. Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe. Bull. Annls Soc. r. ent. Belg. 72: 125-130.
- Goetghebuer, M. 1933. Chironomides du Groenland oriental, du Svalbard et de la terre de François Joseph. Skr. Svalbard Ishavet 53: 19-31.
- Goetghebuer, M. 1935. Ceratopogonidae et Chironomidae récoltés pour la première fois en Belgique. Bull. Annls Soc. r. ent. Belg. 75: 413-418.
- Goetghebuer, M. 1936. Chironomides du Congo Belge. Revue Zool. Bot. afr. 28: 453-492.
- Goetghebuer, M. 1940. Chironomides de Laponie Suédoise. Bull. Annls Soc. r. ent. Belg. 80: 55-72.
- Goetghebuer, M. 1944. Ceratopogonidae et Chironomidae nouveaux ou peu connus d'Europe (douzième note). Biol. Jaarb. 11: 35-44.
- Goetghebuer, M. 1955. Deux Chironomides nouveaux du Groenland (Dipt. Nemat.). Expeditions polaires francaises (Groenland): (Collection A. Bauer du Musée Zoologique de Strasbourg). Bull. Ass. philomath. Als. Lorr. 9: 167.
- Goetghebuer, M. & F. Lenz. 1936. Tendipedidae—Pelopiinae (Chironomidae-Tanypodinae). Fliegen palaearkt. Reg. 13b: 1-81.
- Goetghebuer, M. & F. Lenz. 1937. Tendipedidae—Tendipedidae (Chironomidae—Chironominae). [part]. Fliegen palaearkt. Reg. 13c: 1-48.
- Goetghebuer, M. & F. Lenz. 1938. Tendipedidae—Tendipedidae (Chironomidae—Chironominae). [part]. Fliegen palaearkt. Reg. 13c: 73-128.
- Goetghebuer, M. & F. Lenz. 1939a. Tendipedidae—Diamesinae (Chironomidae—Diamesinae). Fliegen palaearkt. Reg. 13d: 1-30.
- Goetghebuer, M. & F. Lenz. 1939b. Tendipedidae—Corynoneurinae (Chironomidae—Corynoneurinae). Fliegen palaearkt. Reg. 13f: 1-39.
- Goetghebuer, M. & F. Lenz. 1940. Tendipedidae—Orthocladiinae (Chironomidae—Orthocladiinae) [part]. Fliegen palaearkt. Reg. 13g: 1-24.
- Goetghebuer, M. & F. Lenz. 1943. Tendipedidae—Orthocladiinae (Chironomidae—Orthocladiinae) [part]. Fliegen palaearkt. Reg. 13g: 65-112.
- Goetghebuer, M. & F. Lenz. 1944. Tendipedidae—Orthocladiinae (Chironomidae—Orthocladiinae) [part]. Fliegen palaearkt. Reg. 13g: 113-144.
- Goetghebuer, M. & F. Lenz. 1954. Tendipedidae—Tendipedidae (Chironomidae—Chironominae). [part]. Fliegen palaearkt. Reg. 13c: 128-168.
- Goetghebuer, M. & C.H. Lindroth. 1931. Fam. Ceratopogonidae und Chironomidae. Pp. 274-285. In: Lindroth, C.H. (Ed.). Die Insektenfauna Islands und ihre Problem. Zool. Bidr. Upps. 13: 105-599.
- Gouin, F. 1936. Métamorphoses de quelques Chironomides d'Alsace et de Lorraine avec la description de trois espèces nouvelles par M. Goetghebuer. Revue fr. Ent. 3: 151-173.
- Gould, J. 1840. Birds of Australia, 1-80. (Aves).
- Gowin, F. 1943. Orthocladiinen aus Lunzer Fließengewässern. II. Arch. Hydrobiol. 40: 114-122.

- Grandjean, F. 1964. Oribates mexicains (1^e série) *Dampfiella* Selln. et *Beckiella* n.g. *Acarologia* 6: 694-711.
- Grothaus, G. 1976. Two species of *Phaenopsectra* with drought resistant larvae (Diptera: Chironomidae). *J. Kans. ent. Soc.* 49: 405-418.
- Grothaus, G. 1987a. *Endochironomus* Kieffer, *Tribelos* Townes, *Syntentotendipes*, n. gen., and *Endotribelos*, n. gen. (Diptera: Chironomidae) of the Nearctic region. *J. Kans. ent. Soc.* 60: 167-247.
- Grothaus, G. 1987b. *Phaenopsectra mortensonii* n. sp. and its relationship to other Chironomidae (Diptera) of temporary pools. *Entomologica scand. Suppl.* 29: 137-145.
- Haliday, A.H. 1855. Descriptions of insects figured, and reference to plates illustrating the notes on Kerry insects. *Nat. Hist. Rev.* 2: 59-64.
- Halvorsen, G.A. 1982. *Saetheriella amplicristata* gen. n., sp. n., a new Orthocladiinae (Diptera: Chironomidae) from Tennessee. *Aquat. Insects* 4: 131-136.
- Hansen, D.C. & E.F. Cook. 1976. The systematics and morphology of the Nearctic species of *Diamesa* Meigen, 1835 (Diptera: Chironomidae). *Mem. Am. ent. Soc.* 30. 203 pp.
- Harnisch, O. 1923. Metamorphose und System der Gattung *Cryptochironomus*. K. s.l. Zool. Jb. (Abt. Syst. Geogr. Biol. Tiere) 47: 271-308.
- Hashimoto, H. 1973. A new species of the marine chironomid *Paraclunio* (Diptera) from southern California. *Annotnes zool. jap.* 46: 266-273.
- Hashimoto, H. 1974. A new species of Clunionine from North America. *Ent. Tidskr. Suppl.* 95: 108-114.
- Hauber, U.A. 1947. The Tendipedinae of Iowa (Diptera). *Am. Midl. Nat.* 38: 456-465.
- Hayes, B.P. & D.A. Murray. 1988. *Tokunagaia obriaini*—a new species of Orthocladiinae (Diptera: Chironomidae) from Northwest Territories, arctic Canada. *Entomologica scand.* 18: 361-366.
- Hirvenoja, M. 1973. Revision der Gattung *Cricotopus* van der Wulp und ihrer Verwandten (Diptera, Chironomidae). *Annls zool. Fenn.* 10: 1-363.
- Holmgren, A.E. 1869. Bidrag till Kändedomen om Beeren Eilands och Spetsbergens Insekt-Fauna. K. svenska VetenskAkad. Handl. (n.s.) 8(5): 1-56.
- Holmgren, A.E. 1883. Diptera. *Insecta a viris doctissimis Nordenskiöld illun ducem sequentibus in insulis Waigatsch et Novaja Semlia, anno 1875 collecta.* *Ent. Tidskr.* 4: 162-190.
- Jackson, G.A. 1977. Nearctic and Palaearctic *Paracladopelma* Harnisch and *Saetheria* n. gen. (Diptera: Chironomidae). *J. Fish. Res. Bd Can.* 34: 1321-1359.
- Jacobson, G. 1898. Compte rendu de l'expédition envoyée par l'Académie Impériale des Sciences à Novaia Zemlia en été 1896. IV. Imp. Akad. Nauk St. Pétersbourg, Zap., Fiz.-Mat. Otd. ser. 8, 8: 171-244.
- Johannsen, O.A. 1903. Part 6. Aquatic Nematocerous Diptera. Pp. 328-441. In: Needham, J.G., A.D. MacGillivray, O.A. Johannsen & K.C. Davis. *Aquatic Insects of New York State.* Bull. 68 [=Ent. 18]: 197-517 (=N.Y. St. Univ. Bull. 295).
- Johannsen, O.A. 1905. Aquatic nematocerous Diptera II. Chironomidae. Pp. 16-37. In: Needham, I.G., K.I. Morton, & O.A. Johannsen. *May flies and midges of New York. Third report on aquatic insects.* Bull. 86 [=Ent. 23]: 7-352 (=N.Y. St. Educ. Dep. Bull. 343).
- Johannsen, O.A. 1907a. Notes on the Chironomidae. Pp. 400-401. In: Skinner, H. (Ed.). *Notes and news.* Ent. News 18: 400-402.
- Johannsen, O.A. 1907b. Appendix. Some new species of Kansas Chironomidae. Pp. 109-112. In: Tucker, E.S. *Some results of desultory collecting of insects in Kansas and Colorado.* Kans. Univ. Sci. Bull. 4: 51-112.
- Johannsen, O.A. 1908. New North American Chironomidae. Pp. 264-285. In: Felt, E.P. *23rd report of the State Entomologist on injurious and other insects of the State New York, 1907.* N.Y. St. Mus. Bull. 124: 5-541. (=N.Y. St. Univ., Educ. Dep. Bull. 433).
- Johannsen, O.A. 1921. The genus *Diamesa* Meigen (Diptera, Chironomidae). *Ent. News* 32: 229-232.
- Johannsen, O.A. 1926. The genus *Trichotanypus* Kieffer (Chironomidae, Dipt.). *Can. Ent.* 58: 99-100.
- Johannsen, O.A. 1928. Two new species of western chironomids (Diptera). *J. Ent. Zool.* 20: 33-35.
- Johannsen, O.A. 1934. New species of North America Ceratopogonidae and Chironomidae. *Jl N.Y. ent. Soc.* 42: 343-352.
- Johannsen, O.A. 1937a. Aquatic Diptera. Part III. Chironomidae: Subfamilies Tanypodinae, Diamesinae and Orthocladiinae.

- Mem. Cornell Univ. agric. Exp. Stn 205: 1-84.
- Johannsen, O.A. 1937b. Aquatic Diptera. Part IV. Chironomidae: Subfamily Chironominae. Mem. Cornell Univ. agric. Exp. Stn 210: 3-56.
- Johannsen, O.A. 1942. Immature and adult stages of new species of Chironomidae (Diptera). Ent. News 53: 70-75.
- Johannsen, O.A. 1943. Adult and immature stages of *Cricotopus elegans* n. sp. (Chironomidae, Diptera). Ent. News 54: 77-79.
- Johannsen, O.A. 1946. Revision of the North American species of the genus *Pentaneura* (Tendipedidae: Chironomidae, Diptera). Jl. N.Y. ent. Soc. 54: 267-289.
- Johannsen, O.A. 1947. A new species of *Hydrobaenus (Chaetocladius)* from Connecticut with notes on related forms (Diptera, Chironomidae). Ent. News 58: 171-174.
- Johnson, C.W. 1900. Order Diptera. Pp. 617-700. In: Smith, J.B. Insects of New Jersey. A list of the species occurring in New Jersey with notes on those of economic importance. Bull. N.J. agric. Ann. Rept. (1889) 27 (Supp.): 1-755.
- Johnson, C.W. 1925. Fauna of New England. 15. List of the Diptera or two-winged flies. Occ. Pap. Boston Soc. nat. Hist. 7: 1-326.
- Jones, F.M. 1916. Two insect associates of the California pitcher plant, *Darlingtonia californica* (Dipt.). Ent. News 27: 385-392.
- Karunakaran, L. 1969. A new genus of the subfamily Tanypodinae (Diptera, Nematocera: Chironomidae) from Singapore. Proc. R. ent. Soc. Lond. 38: 75-79.
- Kellogg, V.L. 1900. An extraordinary new maritime fly. Biol. Bull. 1: 81-87.
- Kevan, D.K.McE. & F.E.A. Cutten-Ali-Khan. 1975. Canadian Nymphomyiidae (Diptera). Can. J. Zool. 53: 853-866.
- Kieffer, J.J. 1906a. Diptera Fam. Chironomidae. Genera Insect. 42: 1-78.
- Kieffer, J.J. 1906b. Description d'un genre nouveau et de quelques espèces nouvelles de Diptères de l'Amérique du Sud. Annls Soc. scient. Brux. 30: 349-358.
- Kieffer, J.J. 1909. Diagnoses de nouveaux Chironomides d'Allemagne. Bull. Soc. Hist. nat. Metz 26: 37-56.
- Kieffer, J.J. 1911a. Nouvelles descriptions de Chironomides obtenus d'éclosion. Bull. Soc. Hist. nat. Metz 27: 1-60.
- Kieffer, J.J. 1911b. Description d'un Chironomide d'Amérique format un genre nouveau. Bull. Soc. Hist. nat. Metz 27: 103-105.
- Kieffer, J.J. 1911c. Nouveaux Tendipédides du groupe *Orthocladius* (Dipt.). (1^{re} note); (2^{me} note). Bull. Soc. ent. Fr. 1911: 181-187; 199-202.
- Kieffer, J.J. 1912a. Nouveaux Chironomides (Tendipedidae) de Ceylan. Spolia zeylan. 8: 1-24.
- Kieffer, J.J. 1912b. Tendipedidae (Dipt.). In: M. Sauter's Formosa Ausbeute. Supplta. ent. 1: 27-43.
- Kieffer, J.J. 1912c. Quelques nouveaux Tendipédides (Dipt.) obtenus d'éclosion. I. note. Bull. Soc. ent. Fr. 17: 86-88.
- Kieffer, J.J. 1913a. Nouvelle contribution à la connaissance des Tendipédides D'Allemagne. Bull. Soc. Hist. nat. Metz. 3: 37-44.
- Kieffer, J.J. 1913b. Nouveaux Chironomides (Tendipédides) d'Allemagne. Bull. Soc. Hist. nat. Metz 28: 7-35.
- Kieffer, J.J. 1913c. Nouvelle étude sur les Chironomides de l'Indian Museum de Calcutta. Rec. Indian Mus. 9: 119-197.
- Kieffer, J.J. 1913d. Chironomidae et Cecidomyiidae. Result. scient. Voy. Ch. Alluaud et R. Jeanell en Afrique Orientale (1911-1912) (Dipt.) I: 1-43.
- Kieffer, J.J. 1913e. *Dasyhelea halophila* n. sp., eine neue halophile Zuckmücke. Pp. 255-256. In: Kieffer, J.J., & C. van Douwe (Eds). Zur Flora und Fauna der Strandtümpel von Rovigno (in Istrien). Biol. Zbl. 33: 254-258.
- Kieffer, J.J. 1914. South African Chironomidae (Diptera). Ann. S. Afr. Mus. 10: 259-270.
- Kieffer, J.J. 1915a. Neue Chironomiden aus Mitteleuropa. Boteria Ser. zool. 13: 65-87.
- Kieffer, J.J. 1915b. Fauna faeroensis: 2. Tendipedidae (Chironomidae). Zool. Jb. 39: 103-120.
- Kieffer, J.J. 1917. Chironomides d'Amérique conservés au Musée National Hongrois de Budapest. Budapest Magyar Nemzeti Muz., Ann. Hist. Nat. 15: 292-364.
- Kieffer, J.J. 1918a. Beschreibung neuer, auf Lazaretschiffen des östlichen Kriegsschauplatzes und bei Ignalino in Litauen von Dr. W. Horn gesammelter Chironomiden mit Uebersichtstabellen einer Gruppen von paläarktischen Arten (Dipt.). Ent. Mitt. 7: 35-53; 94-110; 163-170; 177-188.
- Kieffer, J.J. 1918b. Chironomides d'Afrique et d'Asie conservés au Musée National Hongrois de Budapest. Annls hist.-nat. Mus. natn. hung. 16: 31-139.

- Kieffer, J.J. 1919a. Chironomides d'Europe conservés au Musée National Hongrois de Budapest. Budapest Magyar Nemzeti Muz., Ann. Hist. Nat. 17: 1-160.
- Kieffer, J.J. 1919b. Observations sur les Chironomides (Dipt.) décrits par J.R. Malloch. Bull. Soc. ent. Fr. 1919: 191-194.
- Kieffer, J.J. 1920a. Tableau synoptique des Chironomides paléarctiques appartenant aux genres *Polypedilum* et *Limnochironomus*. Annls Soc. scient. Brux. 39: 159-167.
- Kieffer, J.J. 1920b. Un nouveau genre de Chironomide (Dipt.). Bull. Soc. ent. Fr. 1919: 333-334.
- Kieffer, J.J. 1921a. Chironomides nouveaux ou peu connus de la région paléarctique. Bull. Soc. Hist. nat. Moselle 29 [=ser.3,5]: 51-109.
- Kieffer, J.J. 1921b. Chironomides de l'Afrique Équatoriale (1^e partie). Annls Soc. ent. Fr. 90: 1-56.
- Kieffer, J.J. 1921c. Synopse de la tribu des Chironomariae (Diptères). Annls Soc. scient. Brux. 40: 269-277.
- Kieffer, J.J. 1922a. Diagnoses de nouveaux genres et espèces de Chironomides (Dipt.). Bull. Soc. ent. Fr. 1921: 287-289.
- Kieffer, J.J. 1922b. Chironomides de la Nouvelle-Zembla. Rep. scient. Results Norw. Exped. to Novaya Zemlya 1921. 2: 1-24.
- Kieffer, J.J. 1922c. Nouveau Chironomides à larves aquatiques. Annls Soc. scient. Brux. 41: 355-367.
- Kieffer, J.J. 1922d. Chironomides de l'Afrique Équatoriale (2^e partie). Annls Soc. ent. Fr. 91: 1-72.
- Kieffer, J.J. 1922e. Chironomides nouveaux ou peu connus de la région paléartique. Annls Soc. scient. Brux. 42: 71-128.
- Kieffer, J.J. 1922f. Notice sur quelque Chironomides d'Amérique et de Nouvelle-Zélande. Annls Soc. linn. Lyon (1921) 68: 145-148.
- Kieffer, J.J. 1923a. Diagnose de quelque nouveaux Tanypodines (Dipt.). Bull. Soc. ent. Fr. 296-297.
- Kieffer, J.J. 1923b. Chironomides de l'Afrique Équatorial (3^e partie). Annls Soc. ent. Fr. 92: 149-204.
- Kieffer, J.J. 1923c. Nouvelle contribution à l'étude des Chironomides de la Nouvelle-Zembla. Rept. scient. Results Norw. Exped. Nova Zemlya 9: 3-11.
- Kieffer, J.J. 1923d. Chironomides nouveaux ou peu connus de la région paléarctique. Annls Soc. scient. Brux. 42: 138-180.
- Kieffer, J.J. 1924a. Quelques Chironomides nouveaux et remarquables du Nord de l'Europe. Annls Soc. scient. Brux. 43: 390-397.
- Kieffer, J.J. 1924b. Chironomides nouveaux ou rares de l'Europe centrale. Bull. Soc. Hist. nat. Moselle 30 [=ser. 3,6]: 11-110.
- Kieffer, J.J. 1924c. Quelques nouveaux Chironomides de Scandinavie. Annls Soc. scient. Brux. 44: 80-86.
- Kieffer, J.J. 1925a. Deux genres nouveaux et plusieurs espèces nouvelles du groupe des Orthocladiariae (Dipteres, Chironomidae). Annls Soc. scient. Brux. 44: 555-566.
- Kieffer, J.J. 1925b. Nouveaux représentants du groupe *Tanytarsus* (Diptères Chironomides) de l'Europe centrale. Annls Soc. scient. Brux. 44: 218-227.
- Kieffer, J.J. 1925c. Description de deux Chironomides remarquables d'Estonie (Dipt.). Bull. Soc. ent. Fr. 30: 15-16.
- Kieffer, J.J. 1926. Chironomiden der 2. Fram-Expedition (1898-1902). Norsk ent. Tidsskr. (1925) 2: 78-89.
- Kieffer, J.J. & W. Lundbeck. 1911. Diptera. Pp. 272-275. In: Koenig, A. Avifauna spitzbergensis. Bonn. 294 pp.
- Kieffer, J.J. & A. Thienemann. 1906. Über die Chironomidengattung *Orthocladius*. Z. wiss. Insektsiol. 2: 143-156.
- Kieffer, J.J. & A. Thienemann. 1908. I. Neue und bekannte Chironomiden. Pp. 1-10, 33-39, 78-84. In: Kieffer, J.J. & A. Thienemann. Neue und bekannte Chironomiden und ihre Metamorphose. Z. wiss. Insektsiol. 4: 1-10, 33-39, 78-84, 124-128, 184-190, 214-219, 256-259, 277-286.
- Kieffer, J.J. & A. Thienemann. 1919. Chironomiden gesammelt von Dr. A. Koch (Münster i.W.) auf den Lofoten, der Bareninsel und Spitzbergen (Dipt.). ((Vorwort von A. Kock: 38-39)). Chironomiden der nordlichen Polarregion (Kieffer, J.J.: 40-48; 110-120). Chironomidenlarven und -puppen von Bareninsel un Spitzbergen. (Thienemann, A.: 120-124). Ent. Mitt. 8: 38-48; 110-124.
- Kruseman, G. 1933. Tendipedidae Neerlandicae. Pars I. Genus *Tendipes* cum generibus finitimis. Tijdschr. Ent. 76: 119-216.
- Langton, P.H., P.S. Cranston & P. Armitage. 1988. The parthenogenetic midge of water supply systems, *Paratanytarsus grimmii* (Schneider) (Diptera: Chironomidae). Bull. ent. Res. 78: 317-328.
- Latreille, P.A. 1810. Considérations générales sur l'ordre naturel des animaux composant les classes des Crustacés, des Arachnides et des Insectes; avec un tableau méthodique de

- leurs genres, disposés en familles. Paris, 444 pp.
- Leathers, A.L. 1922. *Chironomus braseniae*, new species (Dip., Chironomidae). Ent. News 33: 8.
- Lenz, F. 1921. Chironomidenpuppen und -larven. Bestimmungstabellen. Dt. ent. Z. 1921: 148-162.
- Lenz, F. 1941a. Die Metamorphose der Chironomidengattung *Cryptochironomus*. Zool. Anz. 133: 29-41.
- Lenz, F. 1941b. Die Jungenstadien der Sectio Chironomariae (Tendipedini) connectentes (Subf. Chironominae = Tendipedidae). Zusammenfassung und Revision. Arch. Hydrobiol. 38: 1-69.
- Leonard, M.D. 1928. List of the insects of New York with a list of the spiders and certain other allied groups. Mem. Cornell agric. Exp. Stn. (1926) 101:1-1121.
- LeSage, L. & A.D. Harrison. 1980. Taxonomy of *Cricotopus* species (Diptera: Chironomidae) from Salem Creek, Ontario. Proc. ent. Soc. Ont. 111: 57-114.
- Lindeberg, B. 1963. Taxonomy, biology and biometry of *Tanytarsus curticornis* Kieff. and *T. brundini* n. sp. (Dipt. Chironomidae). Suom. hyönt. Aikak. 29: 118-130.
- Lindeberg, B. 1967. Sibling species delimitation in the *Tanytarsus lestagei* aggregate (Diptera, Chironomidae). Annls zool. Fenn. 4: 45-86.
- Lindeberg, B. 1970. Tanytarsini (Diptera, Chironomidae) from northern Fennoscandia. Annls zool. Fenn. 7: 303-312.
- Linnaeus, C. 1758. Systema naturae per regna tria naturae, secundum classes, ordines, genera, species, cum caracteribus, differentiis, synonymis, locis. Ed. 10. 1, 824 pp. Holmiae (=Stockholm).
- Linnaeus, C. 1767. Systema naturae, per regna tria naturae, secundum classes, ordines, genera, species, cum caracteribus, differentiis, synonymis, locis. Ed. 13, revised. 1(2): 533-1327. Holmiae (=Stockholm).
- Lipina, N.N. 1939. Novye formy molodykh stadii Chironomidae podopitnykh ozer sapropelovoi stantsii v Zaluchie. Trudy Lab. sapropel. Otlozh. 1: 89-107.
- Loew, H. 1861a. Diptera. Americae septentrionalis indigena. Centuria prima. Berl. ent. Z. 5: 307-359.
- Loew, H. 1861b. Diptera aliquot in insula Cuba collecta. Wien. ent. Mschr. 5: 33-43.
- Loew, H. 1864. Diptera Americae septentrionalis indigena. Centuria quinta. Berl. ent. Z. 8: 49-104.
- Loew, H. 1866. Diptera Americae septentrionalis indigena. Centuria septima. Berl. ent. Z. 10: 1-54.
- Lundbeck, W. 1898. Diptera groenlandica. Naturhist. for. Kjøbenhavn, Vidensk. meddel. 10: 236-314.
- Lundström, C. 1910. Beiträge zur Kenntnis der Dipteren Finlands VI. Chironomidae. Acta Soc. Fauna Flora fenn. 33: 1-47.
- Lundström, C. 1915. Résultats scientifiques de l'Expédition Polaire Russe en 1900-1903, sous la direction du Baron E. Toll. Sect. E: Zoologie 2, 8. Diptera Nematocera aus den arctischen Gegenden Sibiriens. [Akad. Nauk S.S.R.] Imp. Akad. Nauk Petrograd, Zap., Fiz.-Mat. Otd. (Acad. Imp. des Sci. de Petrograd, Me'm. Cl. Phys.-Math.) ser. 8, 29: 1-33.
- Macquart, J. 1826. Insectes Diptères du Nord de la France. I. Tipulaires. Soc. d'Amateurs Sci., Agr. Arts, Lille, Recueil Trav. 1823/1824: 59-224.
- Macquart, J. 1834. Historie Naturelle des Insectes. tome 1. 2. Diptères. 578 pp.
- Macquart, J. 1855. Diptères exotiques nouveaux ou peu connus. Libr. Encycl. Roret. Suppl. 5: 35-156.
- Makarchenko, E.A. 1982. Khironomidy roda *Protanypus* Kieffer (Diptera, Chironomidae) dal'nego Vostoka SSSR. Pp. 124-144. In: Biologiya presnovodnykh Zibotnykh dal'nego vostoka. Akad. NAUK. SSSR. biol. pochv. Inst., Vladivostok.
- Makarchenko, E.A. 1983. *Arctodiamesa* gen. nov. - Novyi rod khironomid podsemeistva Diamesinae (Diptera, Chironomidae). In: Vsesoyuzneji simposium, Biologicheskie problemy severa, Magadan 2: 264-265.
- Makarchenko, E.A. 1986. *Diamesa subletti* sp. n., a new species of chironomid (Diptera, Chironomidae) from Canada. Aquat. Insects 8: 155-157.
- Malloch, J.R. 1915a. Four new North America Diptera. Proc. biol. Soc. Wash. 28: 45-48.
- Malloch, J.R. 1915b. The Chironomidae, or midges, of Illinois, with particular reference to the species occurring in the Illinois River. Bull. Ill. St. Lab. nat. Hist. 10: 275-543.
- Malloch, J.R. 1918. A new species of *Orthocladius* (Chironomidae, Diptera). Bull. Brooklyn ent. Soc. 13: 42.
- Malloch, J.R. 1919. Part C. Diptera (excluding the Tipulidae and Culicidae). The Diptera collected by the Canadian Arctic Expedition, 1913-1918. Rep. Can. Arctic Expedition 1913-1918. Vol. III: Insects. pp. 34-90.
- Malloch, J.R. 1923. Insects, arachnids, and chilopods of the Pribilof Islands, Alaska.

- Diptera (except Tipulidae, Rhypidae and Calliphoridae). N. Am. Fauna 46: 170-227.
- Malloch, J.R. 1934. The exploration of Southampton Island, Hudson Bay, by George Miksch Sutton, sponsored by Mr. John Bonner Semple 1929-1930. Part II. Zoologie. Section 4. Spiders and insects (in part) of Southampton Island. III. Chironomidae, Sciaridae, Phoridae, Syrphidae, Piophilidae, Helomyzidae, Calliphoridae, Oestridae, and Tachinidae. 1. Mem. Carneg. Mus. 12, pt. II, sect. 4: 13-32.
- Mason, P.G. 1986. Four new species of the *Cryptochironomus fulvus* (Johannsen) species complex (Diptera: Chironomidae). Entomologica scand. 16: 399-413.
- Meigen, J.W. 1800. Nouvelle classification des mouches à deux ailes (Diptera L.) d'après un plan tout nouveau. Paris, 40 pp.
- Meigen, J.W. 1803. Versuch einer neuen Gattungseinteilung der europäischen zweiflügeligen Insekten. Magazin Insektenk. (Illiger) 2: 259-281.
- Meigen, J.W. 1804. Klassifikation und Beschreibung der europäischen zweiflügeligen Insecten (Diptera Linn.). Erster Band. Abt. I., pp. 1-152. Abt. II, pp. 153-314. Braunschweig.
- Meigen, J.W. 1818. Systematische Beschreibung der bekannten europäischen, zweiflügeligen Insekten. 1, xxxvi + 332 pp. Forstmann, Aachen.
- Meigen, J.W. 1830. Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten. 6: 1-401 pp. Schulz, Hamm.
- Meigen, J.W. 1838. Systematische Beschreibung der bekannten europäischen zweiflügeligen Insekten. 7: 1-434. Schulz, Hamm.
- Meunier, F. 1904. Monographie des Cecidomyidae, des Sciaridae, des Mycetophilidae et des Chironomidae de l'ambre de la Baltique. Annls. Soc. scient. Brux. 28: 12-274.
- Michailova, P. & J. Fischer 1986. *Chironomus vancouveri* sp. n. from Canada (Diptera, Chironomidae). Reichenbachia 23: 99-106.
- Mitchell, E.G. 1908. Descriptions of nine new species of gnats. Jl N.Y. ent. Soc. 16: 7-14.
- Murray, D.A. & E.J. Fittkau. 1985. *Hayesomyia* a new genus of Tanypodinae from the Holarctic (Diptera: Chironomidae). Spixiana Suppl. (Muench.) 11: 195-207.
- Muttkowski, R.A. 1915. New insect life histories. I. Bull. Wis. nat. Hist. Soc. 13: 109-122.
- Nishida, H. 1987. *Pseudocricotopus*, a new subgenus of the genus *Cricotopus* (Diptera, Chironomidae) from Japan. Kontyû, Tokyo 55: 459-476.
- Nowicki, M.S. 1873. Beiträge zur Kenntniss der Dipterenfauna Galiziens. 35 pp. Krakau, Poland.
- Oliveira, S.J. de. 1967. Novo genero de Chironomidae da Amazônia (Insecta, Diptera). Atas Simp. Biota amazon. 5 (Zool.): 417-419.
- Oliver, D.R. 1959. Some Diamesini (Chironomidae) from the Nearctic and Palaearctic. Ent. Tidskr. 90: 48-64.
- Oliver, D.R. 1971. Description of *Einfeldia synchrona* n. sp. (Diptera: Chironomidae). Can. Ent. 103: 1591-1595.
- Oliver, D.R. 1976. Chironomidae (Diptera) of Char Lake, Cornwallis Island, N.W.T., with descriptions of two new species. Can. Ent. 108: 1053-1064.
- Oliver, D.R. 1977. *Bicinctus*-group of the genus *Cricotopus* van der Wulp (Diptera: Chironomidae) in the Nearctic with a description of a new species. J. Fish. Res. Bd Can. 34: 98-104.
- Oliver, D.R. 1981. Description of *Euryhapsis* new genus including three new species (Diptera: Chironomidae). Can. Ent. 113: 711-722.
- Oliver, D.R. 1982. *Xylotopus*, a new genus of Orthocladiinae (Diptera: Chironomidae). Can. Ent. 114: 167-168.
- Oliver, D.R. 1984. Description of a new species of *Cricotopus* van der Wulp (Diptera: Chironomidae) associated with *Myriophyllum spicatum*. Can. Ent. 116: 1287-1292.
- Oliver, D.R. & M.E. Dillon. 1988. Review of *Cricotopus* (Diptera: Chironomidae) of the Nearctic zone with descriptions of two new species. Can. Ent. 120: 464-496.
- Oliver, D.R. & M.E. Roussel. 1983. Redescription of *Brillia* Kieffer (Diptera: Chironomidae) with descriptions of Nearctic species. Can. Ent. 115: 257-279.
- Osten Sacken, C.R. 1877. Western Diptera: Descriptions of new genera and species of Diptera from the region west of the Mississippi and especially from California. Bull. U.S. geol. geogr. Surv. Terr. 3: 189-354.
- Packard, A.S. 1869. On insects inhabiting salt water. Proc. Essex Inst. 6: 41-51
- Pagast, F. 1931. Chironomiden aus der Bodenfauna des Usma-Sees in Kurland. Folia zool. hydrobiol. 3: 199-248.
- Pagast, F. 1947. Systematik und Verbreitung der um die Gattung *Diamesa* gruppierten

- Chironomiden. Arch. Hydrobiol. 41: 435-596.
- Palmén, E. 1960. *Paratanytarsus*-Arten (Dipt., Chironomidae) aus dem mesohalinen und oligohalinen Brackwasser der Finnischen Meerbusens. Suom. hyönt. Aikak. 26: 280-291.
- Panzer, G.W.F. 1813. Faunae insectorum germanicae initiae oder Deutschlands Insekten. H. 109, 24 pp. Nürnberg.
- Petch, C.E. & J.B. Maltais. 1932. A preliminary list of the insects of the Province of Quebec. Part II. Diptera, by A.F. Winn & G. Beauliesu. Revised and supplemented. Que. Soc. Protect. Plants, Ann. Rept. 23/24: 1-100.
- Philippi, R.A. 1865. Aufzählung der chilenischen Dipteren. Verh. zool.-bot. Ges. Wien 15: 595-782.
- Picado, C. 1913. Les bromeliacées epiphytes, considérées comme une milieu biologique. Bull. scient. Fr. Belg. 47: 215-360.
- Pinder, L.V.C. 1983. The larvae of Chironomidae (Diptera) of the Holarctic region—Introduction. Pp. 7-10. In: Wiederholm, T. (Ed.). Chironomidae of the Holarctic Region. Keys and diagnoses. Part 1 — Larvae. Entomologica scand. Suppl. 19: 1-437.
- Potthast, A. 1915. Über die Metamorphose der *Orthocladius*-Gruppe. Ein Beitrag zur Kenntnis der Chironomiden. Arch. Hydrobiol. Suppl. 2: 243-376.
- Rasmussen, J.B. 1984. *Chironomus (Camptochironomus) vockerothi* n. sp. (Diptera: Chironomidae) from Alberta, Canada. Can. Ent. 116: 1643-1646.
- Reiss, F. 1969a. Die neue, europäisch verbreitete Chironomidengattung *Parapsectra* mit einem brachypteren Artvertreter aus Mooren (Diptera). Arch. Hydrobiol. 66: 192-211.
- Reiss, F. 1969b. *Krenopsectra fallax* gen. n. sp. n. (Diptera, Chironomidae) aus den Alpen und Pyrenäen. Annls zool. Fenn. 6: 435-442.
- Reiss, F. 1969c. Revision der Gattung *Micropsectra* Kieff., 1909 (Diptera, Chironomidae). 1. Die *attenuata*-Gruppe der Gattung *Micropsectra*. Beschreibung 5 neuer Arten aus Mitteleuropa und Nordafrika. Dt. ent. Z. 16: 431-449.
- Reiss, F. 1972. Die Tanytarsini (Chironomidae, Diptera) Südchiles und Westpatagoniens. Mit Hinweisen auf die Tanytarsini-Fauna der Neotropis. Stud. neotropical Fauna 7: 49-94.
- Reiss, F. F. 1974. Die in stehenden Gewässern der Neotropis verbreitete Chironomidengattung *Goeldichironomus* Fittkau (Diptera, Insecta). Stud. neotropical Fauna 9: 95-122.
- Reiss, F. 1982. *Hyporhygma* n. gen. und *Stelechomyia* n. gen. aus Nordamerika (Diptera, Chironomidae). Spixiana (Muench.) 5: 289-302.
- Reiss, F. 1985. Die panamarikanisch verbreitete Tanytarsini-Gattung *Skutzia* gen. nov. (Diptera, Chironomidae). Spixiana Suppl. (Muench.) 11: 173-178.
- Reiss, F. 1988. *Irmakia*, ein neues Subgenus von *Demicryptochironomus* Lenz, 1941, mit der Beschreibung von vier neuen Arten (Diptera, Chironomidae). Spixiana (Muench.) 11: 1-12.
- Reiss, F. & E.J. Fittkau. 1971. Taxonomie und Ökologie europäisch verbreiteter Tanytarsus-Arten (Chironomidae, Diptera). Arch. Hydrobiol. Suppl. 40: 75-200.
- Reiss, F. & L. Säwedal. 1981. Keys to males and pupae of the Palaearctic (excl. Japan) *Paratanytarsus* Thienemann & Bause, 1913, n. comb., with descriptions of three new species (Diptera: Chironomidae). Entomologica scand. Suppl. 15: 73-104.
- Reiss, F. & J.E. Sublette. 1985. *Beardius* new genus with notes on additional Pan-American taxa. (Diptera, Chironomidae). Spixiana Suppl. (Muench.) 11: 179-193.
- Remy, P. 1928. Arthropodes terrestres récoltés au Groenland au cours de la croisière du "Pouquoi-Pas?" en 1926 (1^e liste). Bull. bimens. Soc. linn. Lyon 7: 51-53.
- Rempel, J.G. 1937a. Notes on the genus *Chasmatonotus* with descriptions of three new species (Diptera: Chironomidae). Can. Ent. 69: 250-255.
- Rempel, J.G. 1937b. A new species of the subgenus *Kribioxenus* (Diptera, Chironomidae). Can. Ent. 69: 274-275.
- Rempel, J.G. 1939. Neue Chironomiden aus Nordostbrasilien. Zool. Anz. 127: 209-216.
- Risso, A. 1816. Historie Naturelle des Crustaces des environs de Nice. A La Librairie Greque-Latin-Allemande, Paris: 1-175.
- Roback, S.S. 1955. The Tendipedid Fauna of a Massachusetts cold spring (Diptera: Tendipedidae). Notu. Nat. 270: 1-8.
- Roback, S.S. 1957a. The immature tendipedids of the Philadelphia area. Monogr. Acad. nat. Sci. Philad. 9: 1-152.
- Roback, S.S. 1957b. Some Tendipedidae from Utah. Proc. Acad. nat. Sci. Philad. 109: 1-24.

- Roback, S.S. 1959a. The subgenus *Ablabesmyia* of *Pentaneura* (Diptera: Tendipedidae: Pelopiinae). Trans. Am. ent. Soc. 85: 113-135.
- Roback, S.S. 1959b. Some Tendipedidae from Montana. Notul. Nat. 315: 1-4.
- Roback, S.S. 1960. A new *Calopsectra* from Kansas (Diptera: Tendipedidae: Calopsectriini). Notul. Nat. 328: 1-4.
- Roback, S.S. 1963a. The genus *Xenochironomus* (Diptera: Tendipedidae) Kieffer, taxonomy and immature stages. Trans. Am. ent. Soc. 88: 235-245.
- Roback, S.S. 1963b. New neotropical *Coelotanypus* (Diptera, Tendipedidae, Pelopiinae). Ent. News 74: 169-176.
- Roback, S.S. 1966. A new *Procladius* species with description of the immature stages (Dipt.: Chironomidae). Ent. News 77: 177-184.
- Roback, S.S. 1971. The adults of the subfamily Tanypodinae (= Pelopiinae) in North America (Diptera: Chironomidae). Monogr. Acad. nat. Sci. Philad. 17: 1-410 pp.
- Roback, S.S. 1975. A new subgenus and species of the genus *Tanytarsus* (Chironomidae: Chironominae: Tanytarsini). Proc. Acad. nat. Sci. Philad. 127: 71-80.
- Roback, S.S. 1978a. The immature chironomids of the eastern United States III. Tanypodinae-Anatopyniini, Macropelopiini and Natarsiini. Proc. Acad. nat. Sci. Philad. 129: 151-202.
- Roback, S.S. 1978b. New name for *Brundinia* Roback nec *Brundinia* Tottenham. Ent. News 89: 141.
- Roback, S.S. 1979. *Hudsonomyia karelena*, a new genus and species of Tanypodinae, Pentaneurini. Proc. Acad. nat. Sci. Philad. 131: 1-8.
- Roback, S.S. 1980a. The immature chironomids of the eastern United States IV. Tanypodinae-Procladiini. Proc. Acad. nat. Sci. Philad. 132: 1-63.
- Roback, S.S. 1980b. New name for *Anceus* Roback nec *Anceus* Risso. Ent. News 91: 32.
- Roback, S.S. 1981. The immature chironomids of the eastern United States V. Pentaneurini-*Thienemannomyia* group. Proc. Acad. nat. Sci. Philad. 133: 73-128.
- Roback, S.S. 1982. The Tanypodinae (Diptera: Chironomidae) of Australia II. Proc. Acad. nat. Sci. Philad. 134: 80-112.
- Roback, S.S. 1983. *Krenopelopia hudsoni*: a new species from the eastern United States (Diptera: Chironomidae: Tanypodinae). Proc. Acad. nat. Sci. Philad. 135: 254-260.
- Roback, S.S. 1984. Tanypodinae (Diptera: Chironomidae) from Afognak and Kodiak Islands, Alaska. Proc. Acad. nat. Sci. Philad. 136: 12-23.
- Roback, S.S. 1985. The immature chironomids of the eastern United States VI. Pentaneurini. Genus *Ablabesmyia*. Proc. Acad. nat. Sci. Philad. 137: 153-212.
- Roback, S.S. 1986a. The immature chironomids of the eastern United States VIII. Pentaneurini - Genus *Nilotanypus*, with the description of a new species from Kansas. Proc. Acad. nat. Sci. Philad. 138: 443-465.
- Roback, S.S. 1986b. *Reomyia* a new genus of Tanypodinae-Pentaneurini. Spixiana (Muench.) 9: 283-284.
- Roback, S.S. & R.P. Rutter. 1988. *Denopelopia atria*, a new genus and species of Pentaneurini (Diptera: Chironomidae: Tanypodinae) from Florida. Spixiana Suppl. (Muench.) 14: 117-127.
- Rossaro, B. 1979. *Stilocladius montanus* n. gen. n. sp.: Descrizione di un nuovo genere e di una nuova specie di Orthocladiinae delle Alpi Italiane (Diptera, Chironomidae). Boll. Mus. civ. Stor. nat. Verona 6: 347-352.
- Ryser, H.M., W. Wülker & A. Scholl. 1985. Revision der Gattung *Chironomus* Meigen (Diptera) 10. *Lobochironomus* n. subg. (*C. montuosus* n. sp., *C. storai* Goetgh., *C. mendax* Storå). Revue suisse Zool. 92: 385-404.
- Sæther, O.A. 1968. Chironomids of the Finse Area, Norway, with special reference to their distribution in a glacier brook. Arch. Hydrobiol. 64: 426-483.
- Sæther, O.A. 1969. Some Nearctic Podonominae, Diamesinae, and Orthocladiinae (Diptera: Chironomidae). Bull. Fish. Res. Bd Can. 170: 1-154.
- Sæther, O.A. 1971. Four new and unusual Chironomidae (Diptera). Can. Ent. 103: 1799-1827.
- Sæther, O.A. 1973a. Four species of *Bryophaenocladius* Thien., with notes on other Orthocladiinae (Diptera: Chironomidae). Can. Ent. 105: 51-60.
- Sæther, O.A. 1973b. Taxonomy and ecology of three new species of *Monodiamesa* Kieffer, with keys to Nearctic and Palaearctic species of the genus (Diptera: Chironomidae). J. Fish. Res. Bd Can. 30: 665-679.
- Sæther, O.A. 1975a. Nearctic and Palaearctic *Heterotriassocladius* (Diptera: Chironomidae). Bull. Fish. Res. Bd Can. 193: 67 pp.

- Sæther, O.A. 1975b. Two new species of *Heterotanytarsus* Spärck, with keys to Nearctic and Palaearctic males and pupae of the genus (Diptera: Chironomidae). *J. Fish. Res. Bd Can.* 32: 259-270.
- Sæther, O.A. 1975c. Two new species of *Protanypus* Kieffer, with keys to Nearctic and Palaearctic species of the genus (Diptera: Chironomidae). *J. Fish. Res. Bd Can.* 32: 367-388.
- Sæther, O.A. 1975d. Twelve new species of *Limnophyes* Eaton, with keys to Nearctic males of the genus (Diptera: Chironomidae). *Can. Ent.* 107: 1029-1056.
- Sæther, O.A. 1976. Revision of *Hydrobaenus*, *Trissocladius*, *Zalutschia*, *Paratrisocladius*, and some related genera (Diptera: Chironomidae). *Bull. Fish. Res. Bd Can.* 195: 287 pp.
- Sæther, O.A. 1977a. *Habrobaenus hudsoni* n. gen., n. sp. and the immatures of *Baeoctenus bicolor* Saether (Diptera: Chironomidae). *J. Fish. Res. Bd Can.* 34: 2354-2361.
- Sæther, O.A. 1977b. Taxonomic studies on Chironomidae: *Nanocladius*, *Pseudochironomus*, and the *Harnischia* complex. *Bull. Fish. Res. Bd Can.* 196: 143 pp.
- Sæther, O.A. 1979. New name for *Beckiella* Saether, 1977 (Diptera: Chironomidae) nec *Beckiella* Grandjean, 1964 (Acari: Oribatei). *Entomologica scand.* 10: 315.
- Sæther, O.A. 1980a. New name for *Oliveria* Saether, 1976 (Diptera: Chironomidae) nec *Oliveria* Sutherland, 1965 (+Cnidaria: Anthozoa) with a first record for the European continent. *Entomologica scand.* 11: 399-400.
- Sæther, O.A. 1980b. The females and immatures of *Paracricotopus* Thienemann and Harnisch, 1932, with the description of a new species (Diptera: Chironomidae). *Aquat. Insects* 2: 129-145.
- Sæther, O.A. 1981a. *Doncricotopus bicaudatus* n. gen., n. sp. (Diptera: Chironomidae, Orthocladiinae) from the Northwest Territories, Canada. *Entomologica scand.* 12: 223-229.
- Sæther, O.A. 1981b. Orthocladiinae (Chironomidae: Diptera) from the British West Indies with descriptions of *Antilocladus* n. gen., *Lipurometriocnemus* n. gen., and *Diplosmittia* n. gen. *Entomologica scand. Suppl.* 16: 1-46.
- Sæther, O.A. 1981c. *Compteromesa oconeensis* gen. n., sp. n., a new Prodiamesinae (Diptera: Chironomidae) from South Carolina. *Aquat. Insects* 3: 193-198.
- Sæther, O.A. 1982. Orthocladiinae (Diptera: Chironomidae) from SE U.S.A., with descriptions of *Plhudsonia*, *Unniella* and *Platysmittia* n. genera and *Atelopodella* n. subgen. *Entomologica scand.* 13: 465-510.
- Sæther, O.A. 1983a. *Oschia dorsenna* n. gen., n. sp. and *Saetheria hirta* n. sp., two new members of the *Harnischia* complex (Diptera: Chironomidae). *Entomologica scand.* 14: 395-404.
- Sæther, O.A. 1983b. A review of Holarctic *Gymnometriocnemus* Goetghebuer, 1932, with the description of *Raphidocladius* subgen. n. and *Sublettiella* gen. n. (Diptera: Chironomidae). *Aquat. Insects* 5: 209-226.
- Sæther, O.A. 1983c. Three new species of *Lopescladius* Oliveira, 1967 (syn. "Cordites" Brundin, 1956, n. syn.), with a phylogeny of the *Parakiefferiella* group. *Mem. Am. ent. Soc.* 34: 279-298.
- Sæther, O.A. 1985a. Male and female imagines of *Platysmittia bilyji* sp. n. (Diptera: Chironomidae) from Manitoba, Canada. *Entomologica scand.* 15: 527-531.
- Sæther, O.A. 1985b. *Heleniella parva* sp. n. (Diptera: Chironomidae) from South Carolina and Tennessee, U.S.A. *Entomologica scand.* 15: 532-535.
- Sæther, O.A. 1985c. *Apometriocnemus fontinalis* n. gen., n. sp. (Diptera: Chironomidae) from Tennessee, U.S.A. *Entomologica scand.* 15: 536-539.
- Sæther, O.A. 1985d. Redefinition and review of *Thienemannia* Kieffer, 1909 (Diptera: Chironomidae), with the description of *T. pilinucha* sp. n. *Aquat. Insects* 7: 111-131.
- Sæther, O.A. 1985e. A review of *Odontomesa* Pagast, 1947 (Diptera, Chironomidae, Prodiamesinae). *Spixiana Suppl. (Muench.)* 11: 15-29.
- Sæther, O.A. 1985f. *Trichochilus*, a new genus of Orthocladiinae (Diptera, Chironomidae). *Spixiana Suppl. (Muench.)* 11: 31-36.
- Sæther, O.A. 1985g. The imagines of *Mesosmittia* Brundin, 1956, with description of seven new species (Diptera, Chironomidae). *Spixiana Suppl. (Muench.)* 11: 37-54.
- Sæther, O.A. 1985h. *Diplosmittia carinata* spec. nov. from Michigan (Diptera, Chironomidae). *Spixiana Suppl. (Muench.)* 11: 55-57.
- Sæther, O.A. 1985i. A review of the genus *Rheocricotopus* Thienemann & Harnisch, 1932, with the description of three new

- species (Diptera, Chironomidae). *Spixiana Suppl.* (Muench.) 11: 59-108.
- Sæther, O.A. 1989a. *Metriocnemus* van der Wulp: a new species and a revision of species described by Meigen, Zetterstedt, Staeger, Holmgren, Lundström and Strenzke (Diptera: Chironomidae). *Entomologica scand.* 19: 393-430.
- Sæther, O.A. 1989b. Two new species of *Hydrobaenus* Fries from Massachusetts, U.S.A., and Japan (Diptera: Chironomidae). *Entomologica scand.* 20: 55-63.
- Sæther, O.A. & O.A. Schnell. 1988. Two new species of the *Rheocricotopus* (R.) *effusus* group (Diptera, Chironomidae). *Spixiana Suppl.* (Muench.) 14: 65-74.
- Sæther, O.A. & J.E. Sublette. 1983. A review of the genera *Doithrix* n. gen., *Georhocladius* Strenzke, *Parachaetocladius* Wülker and *Pseudorthocladius* Goetghebuer (Diptera: Chironomidae, Orthocladiinae). *Entomologica scand. Suppl.* 20: 1-100.
- Sæther, O.A. & E. Willassen. 1988. A review of *Lappodiamesa* Serra Tosio, with the description of *L. boltoni* spec. nov. from Ohio, USA. *Spixiana Suppl.* (Muench.) 14: 75-84.
- Santos Abreu, E. 1918. Ensayo de una Monografia de los Tendipedidos de las Islas Canarias. *Mems R. Acad. Cienc. Artes Barcelona* 14: 159-326.
- Saunders, L.G. 1928. Some marine insects of the Pacific coast of Canada. *Ann. ent. Soc. Am.* 21: 521-545.
- Säwedal, L. 1979. *Micropsectra brundini* n. sp. (Diptera: Chironomidae) and geographical variation in the *Micropsectra insignilobus* aggregate. *Entomologica scand.* 10: 133-138.
- Säwedal, L. 1981. Description of *Micropsectra tori* n. sp. from Greenland, with notes on the *recurvata*-group (Diptera: Chironomidae). *Entomologica scand.* 12: 27-30.
- Say, T. 1823. Descriptions of dipterous insects of the United States. *J. Acad. nat. Sci. Philad.* 3: 9-54.
- Say, T. 1829-1930. Descriptions of North American dipterous insects. *J. Acad. nat. Sci. Philad.* 6: 149-178, (1929); 183-188, (1830).
- Schiner, J.R. 1856. Ammerkungen zu dem Bande V, Pag. 13 diesser Verhandlungen abgedruckten Aufsätze Frauenfeld's: Beitrag zur Insekten geschichte. *Verh. zool.-bot. Ges. Wien* 6: 215-224.
- Schiner, J.R. 1866. Bericht über die von Weltumsegelungsreise der k. Fregatte Novara mitgebrachten Dipteren. *Verh. zool.-bot. Ges. Wien* 16: 927-934.
- Schlee, D. 1968. Vergleichende Merkmalsanalyse zur Morphologie und Phylogenie der *Corynoneura*-Gruppe (Diptera, Chironomidae). Zugleich eine allgemeine Morphologie der Chironomiden-Imago (). *Stuttg. Beitr. Naturk.* 180:1-150.
- Schneider, A. 1885. *Chironomus grimmii* und seine Parthenogenese. *Zool. Beitr.* 1: 301-302.
- Schnell, O.A. & O.A. Sæther. 1988. *Vivacricotopus*, a new genus of Orthocladiinae from Norway. *Spixiana Suppl.* (Muench.) 14:49-55.
- Schrank, F. von P. 1803. Fauna Boica. Durchgedachte Geschichte der in Baiern einheimischen und zahmen Thiere. 3: 1-272. Landshut.
- Serra-Tosio, B. 1968. Taxonomie phylogénétique des Diamesini: les genres *Pothastia* Kieffer, *Sympothastia* Pagast, *Parapothastia* n. g. et *Lappodiamesa* n. g. (Diptera, Chironomidae). *Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble* 59-60: 117-164.
- Serra-Tosio, B. 1971. Deux Diamesini nouveaux d'Espagne (Diptera, Chironomidae). *Trav. Lab. Hydrobiol. Piscic. Univ. Grenoble* 62: 147-167.
- Shilova, A.I. 1955. Nekotorye massovyya vidy tendipedid (Diptera, Tendipedidae) basseina Amudarja. *Ent. Obozr.* 34: 313-322.
- Shilova, A.I. 1957. Palaearktische vidy podroda *Camptochironomus* Kieff. roda *Tendipes* Mg. (Diptera, Tendipedidae). *Ent. Obozr.* 36: 224-230.
- Shilova, A.I. 1961. Novyi rod i vid tendipedid (Diptera, Tendipedidae) *Lipiniella* Shilova, gen. n. *Byull. Inst. Biol. Vodokhran.* 11: 19-23.
- Skuse, F.A.A. 1889. Diptera of Australia. Part VI. —The Chironominae. *Proc. Linn. Soc. N.S.W.* 4: 215-311.
- Soponis, A.R. 1977. A revision of the Nearctic species of *Orthocladius* (*Orthocladius*) van der Wulp (Diptera: Chironomidae). *Mem. ent. Soc. Can.* 102: 187 pp.
- Soponis, A.R. 1979. *Zalutschia briani* n. sp. from Florida (Diptera: Chironomidae). *Entomologica scand. Suppl.* 10: 125-131.
- Soponis, A.R. 1980. *Pseudorthocladius macrostomus*, a new species of chironomid (Diptera) with a long proboscis. *Fla Ent.* 63: 485-490.

- Soponis, A.R. 1983. *Orthocladius* (*Orthocladius*) *ferringtoni* n. sp., from Kansas (Diptera: Chironomidae). J. Kans. ent. Soc. 56: 571-577.
- Spärck, R. 1922-1923. Beiträge zur Kenntnis der Chironomidenmetamorphose I-IV. Ent. Meddr. 14: 32-48 [1922]; 49-109, [1923].
- Spärck, R. & A. Thienemann. 1924. "Metriocnemus" *ampullaceus* var. *austriacus*. Verh. int. Verein. theor. angew. Limnol. 2: 222-223.
- Staeger, C. 1839. Systematisk fortægnelse over de i Danmark hidtil fundne Diptera. Naturhist. Tidsskr. (1838-1839) 2: 549-600.
- Staeger, C. 1845. Grønlands antiater. Naturhist. Tidsskr. (1844-1845) ser. 2,1: 346-369.
- Steffan, A.W. 1965. *Plecopteracoluthus downesi* gen. et sp. nov. (Diptera: Chironomidae), a species whose larvae live phoretically on larvae of Plecoptera. Can. Ent. 97: 1323-1344.
- Steiner, B. 1983. *Paracricotopus mozleyi* n. sp. from Georgia (Diptera: Chironomidae). Mem. Am. ent. Soc. 34: 329-335.
- Steiner, J.W. & J.L. Hulbert. 1982. *Nimbocera pinderi*, a new species (Diptera: Chironomidae) from the Southeastern United States. Fla Ent. 65: 228-233.
- Stone, A. & Wirth, W.W. 1947. On the marine midges of the genus *Clunio* Haliday (Diptera, Tendipedidae). Proc. ent. Soc. Wash. 49: 201-224.
- Storå, R. 1936. För faunan nya nematocer. Notul. ent. 16: 124-125.
- Storå, R. 1939. Mitteilungen über die Nematoceren Finnländs II. Notul. ent. 19: 16-30.
- Strenzke, K. 1941. Terrestrische Chironomiden X. *Georthocladius luteicornis* Goetgh. (mit einem Beitrag von Dr. M. Goetghebuer). Zool. Anz. 132: 177-185.
- Strenzke, K. 1950. Systematik, Morphologie und Ökologie der terrestrischen Chironomiden. Arch. Hydrobiol. Suppl. 18: 207-414.
- Strenzke, K. & H. Remmert. 1957. Terrestrische Chironomiden. XVII. *Thalassosmittia thalassophila* (Bequ. u. Goetgh.). Kieler Meeresforsch. 13: 263-273.
- Sublette, J.E. 1960. Chironomid midges of California. I. Chironominae, exclusive of Tanytarsini (=Calopsectrini). Proc. U.S. natn. Mus. 112: 197-226.
- Sublette, J.E. 1964a. Chironomid midges of California. II. Tanyopodinae, Podonominae, and Diamesinae. Proc. U.S. natn. Mus. 115: 85-136.
- Sublette, J.E. 1964b. Chironomidae (Diptera) of Louisiana I. Systematics and immature stages of some lentic chironomids of west-central Louisiana. Tulane Stud. Zool. 11: 109-150.
- Sublette, J.E. 1966. Type specimens of Chironomidae (Diptera) in the U.S. National Museum. J. Kans. ent. Soc. 39: 580-607.
- Sublette, J.E. 1967a. Type specimens of Chironomidae (Diptera) in the Canadian National Collections, Ottawa. J. Kans. ent. Soc. 40: 290-331.
- Sublette, J.E. 1967b. Type specimens of Chironomidae (Diptera) in the Cornell University Collection. J. Kans. ent. Soc. 40: 477-564.
- Sublette, J.E. 1970. Type specimens of Chironomidae (Dipt.) in the Illinois Natural History Survey Collection, Urbana. J. Kans. ent. Soc. 43: 44-95.
- Sublette, J.E. & M.S. Sublette. 1965. Family Chironomidae. Pp. 142-181. In: Stone, A., C.W. Sabrosky, W.W. Wirth, R.H. Foote, & J.R. Coulson (Eds). A catalogue of the Diptera of America North of Mexico. U.S. Dep. Agric. Handb. No. 276: 1-1696.
- Sublette, J.E. & M.S. Sublette. 1971. The Orthocladiinae (Chironomidae, Dipt.) of California. I. The *Cricotopus infuscatus* group. Ent. News 82: 85-102.
- Sublette, J.E. & M.S. Sublette. 1974. A review of the genus *Chironomus* (Diptera, Chironomidae) V. The *maturus* complex. - Stud. nat. Sci. (Portales, NM) 1, 8: 41 pp.
- Sublette, J.E. & M.S. Sublette. 1979. Part II. A synopsis of the Chironomidae of New Mexico. Pp. 54-128. In: Sublette, J.E. (Ed.). Evaluation of long term effects of thermal effluents on stream biota. Final Rep. N. Mex. Energy Inst. 32: 1-156.
- Sublette, J.E. & M.S. Sublette. 1983. *Asheum*, a replacement name in Chironomidae (Diptera). Ent. News 94: 34.
- Sublette, J.E. & W.W. Wirth. 1972. New genera and species of West Indian Chironomidae (Diptera). Fla Ent. 55: 1-17.
- Šúlc, K. & J. Zavrel. 1924. O epoických a parazitických larvách Chironomidiu. (Über epoikische und parasitische Chironomidenlarven). Acta Soc. Sci. nat. moravo-siles. 1: 353-391.
- Thienemann, A. 1921. Die Metamorphose der Chironomidengattungen *Camptocladius*, *Dyscamptocladius* und *Phaenocladius*, mit Bemerkungen über die Artdifferenzierung

- bei den Chironomiden überhaupt. Arch. Hydrobiol. Suppl. 2: 809-850.
- Thienemann, A. 1926. Hydrobiologische Untersuchungen an den kalten Quellen und Bäcken der Halbinsel Jasmund auf Rügen. Arch. Hydrobiol. 17: 221-336.
- Thienemann, A. 1934. Chironomiden-Metamorphosen. VIII. *"Phaenocladius"*. Encycl. ent. Diptera 7: 29-46.
- Thienemann, A. 1935. Chironomiden-Metamorphosen. X. *"Orthocladius-Dactylocladius"* (Dipt.). Stettin. ent. Ztg 96: 201-224.
- Thienemann, A. 1936a. Alpine Chironomiden. Ergebnisse von Untersuchungen in der Gegend von Garmisch-Partenkirchen, Oberbayern. Arch. Hydrobiol. 30: 167-262.
- Thienemann, A. 1936b. Chironomiden-Metamorphosen. XI. Gattung *Eukiefferiella*. Stettin. ent. Ztg 97: 43-65.
- Thienemann, A. 1939. Dritter Beitrag zur Kenntnis der Podonominae (Dipt. Chironomidae). (Chironomiden aus Lappland VI). Zool. Anz. 128: 161-176.
- Thienemann, A. 1941. Lappändische Chironomiden und ihre Wohngewässer. (Ergebnisse von Untersuchungen im Abiskogebiet in Schwedisch-Lappland). Arch. Hydrobiol. Suppl. 17: 1-253.
- Thienemann, A. 1942. *Trichocladius*-Arten aus dem Lunzer Seen. (Chironomiden aus dem Lunzer Seengebiet. V.). Arch. Hydrobiol. 39: 294-315.
- Thienemann, A. & O. Harnisch. 1932. Chironomiden-Metamorphosen. IV. Die Gattung *Cricotopus* v.d.W. Zool. Anz. 99: 135-143.
- Thienemann, A. & J.J. Kieffer. 1916. Schwedische Chironomiden. Arch. Hydrobiol. Plankton. Suppl. 2: 483-554.
- Thienemann, A. & F. Krüger. 1937. *"Orthocladius" abiskoensis* Edwards und *rubicundus* Mg., zwei "Puppen-Species" der Chironomiden. (Chironomiden aus Lappland II.) Zool. Anz. 117: 257-267.
- Thienemann, A. & F. Krüger. 1939. Terrestrische Chironomiden II. Zool. Anz. 127: 246-258.
- Tilbury, M.R. 1913. Notes on the feeding and rearing of the midge, *Chironomus cayugae* Johannsen. Jl N.Y. ent. Soc. 21: 305-308.
- Tokunaga, M. 1933. Chironomidae from Japan (Diptera). I. Clunioninae. Philipp. J. Sci. 51: 87-99.
- Tokunaga, M. 1936. Chironomidae from Japan (Diptera), VI Diamesinae. Philipp. J. Sci. 59: 526-552.
- Tokunaga, M. 1937. Chironomidae from Japan (Diptera), IX Tanypodinae and Diamesinae. Philipp. J. Sci. 57: 21-65.
- Tokunaga, M. 1939. Chironomidae from Japan (Diptera). XI. New or little-known midges, with special reference to the metamorphosis of torrential species. Philipp. J. Sci. 69: 297-345.
- Tottenham, C.E. 1949. New generic names in Staphylinidae (Coleoptera). Proc. R. ent. Soc. Lond. 18: 78.
- Townes, H.K. 1945. The Nearctic species of Tendipedini (Diptera, Tendipedidae (=Chironomidae)). Am. Midl. Nat. 34: 1-206.
- Verrall, G.H. 1912. Another hundred new British species of Diptera. Entomologist's mon. Mag. 48: 20-27, 56-59, 144-147; 190-197.
- Verrill, A.E. 1873. Report upon the invertebrate animals of Vineyard Sound and the adjacent waters, with an account of the physical characters of the region. Pp. 295-778. In: Baird, S.F., Report on the condition of the sea fisheries of the south coast of New England in 1871 and 1872. U.S. Comn. Fish Fisheries. 1: 1-852.
- Walker, F. 1848. List of the specimens of dipterous insects in the collection of the British Museum. Part 1: 1-229. London.
- Walker, F. 1856a. Insecta Britannica: Diptera. 3: 1-352. London.
- Walker, F. 1856b. Diptera. 1. Pp. 415-474. In: Saunders, W.W. (Ed.). 1850-1869. Insecta Saundersiana: Or characters of undescribed insects in the collection of William Wilson Saunders, Esq., F.R.S., F.L.S., &c. 4 vols. London.
- Walley, G.S. 1925. New Canadian Chironomidae of the genus *Tanypus* (Dipt.). Can. Ent. 57: 271-278.
- Walley, G.S. 1926a. New Canadian Chironomidae. Can. Ent. 58: 64-65.
- Walley, G.S. 1926b. Four new Canadian Chironomidae. Can. Ent. 58: 205-207.
- Walley, G.S. 1928a. A new species of *Cricotopus* with a key to the genus (Dipt., Chironomidae). Can. Ent. 60: 21-22.
- Walley, G.S. 1928b. The genus *Tanypus* in Canada, with a key to the North American species (Diptera, Chironomidae). Ann. ent. Soc. Am. 21: 581-593.
- Webb, D.W. 1969. New species of chironomids from Costello Lake, Ontario (Diptera: Chironomidae). J. Kans. ent. Soc. 42: 91-108.

- Wiedemann, C.R.W. 1817. Neue Zweiflügler (Diptera Linn.) aus der Gegend um Kiel. Wiedemanns zool. Mag. 1: 61-86.
- Wiedemann, C.R.W. 1828. Aussereuropäische zweiflügelige Insekten. 1 Hamm, 32 + 608.
- Wiederholm, T. 1975. Description of *Protanytus saetheri* n. sp. from Alaska (Diptera: Chironomidae). Entomologica scand. 6: 224-228.
- Wiederholm, T.(Ed.) 1983. Chironomidae of the Holarctic Region. Keys and diagnoses. Part 1 — Larvae. Entomologica scand. Suppl. 19: 1-437.
- Wiederholm, T.(Ed.) 1986. Chironomidae of the Holarctic Region. Keys and diagnoses. Part 2 — Pupae. Entomologica scand. Suppl. 28: 1-482.
- Wiederholm, T.(Ed.) 1989. Chironomidae of the Holarctic Region. Keys and diagnoses. Part 3 — Adult males. Entomologica scand. Suppl. 34: 1-532.
- Willassen, E. 1985. A review of *Diamesa davisi* Edwards and the *davisi* group (Diptera, Chironomidae). Spixiana Suppl. (Muench.) 11: 109-137.
- Williston, S.W. 1896. On the Diptera of St. Vincent (West Indies). Trans. Roy. Entomol. Soc. London. III: 253-446.
- Winnertz, J. 1846. Beschreibung einiger neuer Gattungen aus der Ordnung der Zweiflügler. Stettin. ent. Ztg 7: 11-20.
- Winnertz, J. 1852. Dipterologisches. Stettin. ent. Ztg 13: 49-58.
- Wirth, W.W. 1949. A revision of the clunionine midges with descriptions of a new genus and four new species (Diptera: Tendipedidae). Univ. Calif. Publs Ent. 8: 151-182.
- Wirth, W.W. 1957. The species of *Cricotopus* midges living in the blue-green alga *Nostoc* in California (Diptera: Tendipedidae). Pan-Pacif. Ent. 33: 121-126.
- Wirth, W.W. & J.E. Sublette. 1970. A review of the Podominae of North America with descriptions of three new species of *Trichotanypus* (Diptera: Chironomidae). J. Kans. ent. Soc. 43: 335-354.
- Wrubleski, D.A. & S.S. Roback. 1987. Two species of *Procladius* (Diptera: Chironomidae) from a northern prairie marsh: descriptions, phenologies and mating behaviour. J. N. Am. Benthol. Soc. 6: 198-212.
- Wülker, W. 1956. Zur Kenntnis der Gattung *Psectrocladius* Kieff. (Dipt., Chironom.). Individuelle Variabilität, Grenzen und Möglichkeiten der Artentrennung, Ökologie und Verbreitung. Arch. Hydrobiol. Suppl. 24: 1-66.
- Wülker, W. 1959. Drei neue Chironomiden-Arten (Dipt.) und ihre Bedeutung für das Konvergenzproblem bei Imagines und Puppen. Arch. Hydrobiol. Suppl. 25: 44-64.
- Wülker W.F. & M.G. Butler. 1983. Karyosystematics and morphology of Northern *Chironomus* (Diptera: Chironomidae): Freshwater species with larvae of the *salinarius*-type. Entomologica scand. 14: 121-136.
- Wulp, F.M. van der. 1858. Beschrijving van eenige nieuwe of twijfelachtige soorten van Diptera uit de familie der Nemocera. Tijdschr. Ent. 2: 159-185.
- Wulp, F.M. van der. 1861. Over Nieuwe soorten van Diptera. Tijdschr. Ent. 4: 1-16.
- Wulp, F.M. van der. 1867. Eenige Noord-Amerikaansche Diptera. Tijdschr. Ent. 12: 125-164.
- Wulp, F.M. van der. 1874. Dipterologische aanteekneningen. Tijdschr. Ent. 17: 104-148.
- Zavrel, J. 1937. Eine neue *Trissocladius* art. Spisy vydáv. prfr. Fak. Masaryk. Univ. 239: 1-12.
- Zavrel, J. 1941. Chironomidarum larvae et nymphae III. ("*Pseudokiefferiella*"). Ent. Listy 4: 9-14.
- Zavrel, J. & F. Pagast. 1935. Zwei neue Orthocladini-Arten aus Hoher Tatra. Cas. csl. Spol. ent. 32: 156-160.
- Zetterstedt, J.W. 1838. Diptera. Insecta Lapponica 3: 477-868. Leipzig.
- Zetterstedt, J.W. 1850. Diptera Scandinaviae. Diplosita et descripta. 9: 3367-3710.
- Zetterstedt, J.W. 1860. Diptera Scandinaviae. Diplosita et descripta. 14: 6191-6609.

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