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## THE TRICHOPTERA OF THE MUSEUM OF COMPARATIVE ZOOLOGY, HARVARD UNIVERSITY

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The Trichoptera Collection in the Museum of Comparative Zoology (MCZ), Harvard University, has resulted primarily from the work of two neuropterists (in the broad sense), Hagen and Banks. However, Banks preferred to be recognized as "an entomologist" and not just a specialist of a few orders. The collection is especially important to science because it contains a great number of primary types, mostly from North America, but many are from Africa, Asia, Australia, Europe and South America, too. Herman August Hagen (1817-1893) left Königsberg, East Prussia in 1867 at the invitation of Louis Agassiz to take charge of the Entomology Section at the MCZ. He became Professor of Entomology at Harvard in 1870 and worked until he was stricken with paralysis in 1890 (Mallis 1971). Nathan Banks (1868-1953), Fig.1, began working at the MCZ in November 1916, at which time he donated to the institute his extensive library and his personal collection of more than 120,000 specimens, of which 1,800 were types. Prior to this he had worked for the United States Department of Agriculture in Washington, DC, for 26 years. He became an Associate



Fig. 1. Nathan Banks (1916), courtesy of the MCZ.

Professor of Zoology in 1928, Head Curator of Insects in 1941, retired in 1945, and remained active for another five years. Like Hagen, he worked until his strength failed him (Carpenter and Darlington 1954). A short poem has been entered on the opening page of a few of the early volumes of the MCZ Entomology Type Catalogue. Some of these are by Banks, including the following verse, dated 1.20.38:

With joy I add each number  
Another type will be  
Eternally in slumber  
In the good old M.C.Z.

The species descriptions by Hagen and Banks, by present standards, are rather poor, because most of their descriptions were without figures of the genitalia, but sometimes Banks provided crude figures, often based on unrelaxed genitalia. Most of Hagen and Banks' caddisflies from the New World have been redescribed by Ross (1938), Flint (1966, 1967) and others.

The Trichoptera Collection at the MCZ is in good condition, having the series of each species housed in separate unit trays. Over the past few years, I have had the opportunity to visit Harvard University on a semiregular basis, usually to attend the monthly meetings of the Cambridge Entomological Club, and have compiled a list of the caddisflies species in the collection, including an inventory of the types. I have verified the presence of types in the collection with those listed in the MCZ Entomology Type Catalogue, and have located types for all the Trichoptera listed, except *Limnephilus sperryi* (Banks). A list of the caddisflies in the Harris Collection, which is separate from the main collection at the MCZ, also is provided at the end of this work.

### THE MAIN COLLECTION

**HAGEN'S LABELS.** Hagen did not designate specimens as types either in the collection or in publication, because it was not customary at the time. His determination (det.) label usually was placed on only one specimen, the first in a series, with an asterisk next to the species name, Fig.2A. These labels were on white paper, written with a bit of flair using a quill and black ink.

**BANKS' LABELS.** Most of the caddisfly specimens in the collection have been determined by Banks, who used two different kinds of det. labels: 1) The first label is large, rectangular, with red borders and the species name, Fig.2B. It was used to designate the first specimen in a series. For specimens also in a type series, this label would have the type status of the specimen written in the lower left corner, and this notation often corresponds more accurately with the listing in the catalogue than the red MCZ type labels. 2) The second kind of label is a minute white label with the species epithet written in ink and placed below all other labels; this label was placed on specimens, other than those that have Banks' red-bordered det. labels.

**MCZ TYPE LABELS.** Sometime in the early 1900's, a type labeling and cataloging system was initiated at the MCZ. In the Trichoptera collection the vast majority of red MCZ type labels were numbered and designated by Banks, and likewise most of the corresponding entries in the MCZ Entomology Type Catalogue were by Banks. Each type specimen has a conspicuous red MCZ type label with a

hand-written five-digit catalogue number. Banks would also place an inconspicuous type label on the specimen he selected as the type, a minute piece of red paper, placed on top of the other labels, with "type" in small hand-writing, Fig.2B. There are four different kinds of MCZ type labels: (1.) Fig.2A: The oldest is a two-layered rectangular label, with a small glossy red square piece of paper glued over a slightly larger white rectangular piece, having the catalogue number written in ink on the red field and "Type" printed in small type above it on the exposed white field. This kind of label was used for types numbered from 1 to 10755. It was used in labeling each syntype, and was assigned to most of Hagen's types and Banks' early types. (2.) Fig.2B: The second kind of M.C.Z. type label is square with sides 10mm long and two-layered, with a glossy red piece of paper glued over another varied piece, and the borders of the label were trimmed after the two layers were glued together; "Type" is printed in large bold type at the top of the label, with the catalogue number written below. This kind of label was used for types numbered from about 10758 to 17276. It was used in labeling each syntype and assigned to the types of most of Banks' Trichoptera described before 1932. (3.) Fig.2C: The third kind of type labels was printed on a piece of dull red paper, with "M.C.Z." printed in black at the top and "Type" in the middle, and with the catalogue number written below. This label usually was assigned only to the unique type specimen, i.e. equivalent to holotype. A similar label reading "M.C.Z. Paratype" was assigned to paratypes. (Sometimes type labels were altered with "Holo" "Allo" or "Co" written in front of "Type".) This kind of label was used by Carpenter, Milne, and Banks and was assigned to types numbered 19440 to 29669, for caddisflies described after 1932. (4.) Fig.2D: The fourth variety of MCZ type labels have red labels for holotypes, with "HOLOTYPE" printed at the top, followed by the name of the species and the catalogue number written below, and with "teste" printed below and followed by the name of the person who assigned the label. This label corresponds with a similar yellow paratype label, which should not bear a catalogue number. This type-labeling system was initiated by R.J. McGinley, A.F. Newton and M.K. Thayer on May 28, 1980, beginning with MCZ Type 32532, and is still in current use.

**DEPOSITORIES OF HAGEN AND BANKS' TYPES.** The majority of Hagen and Banks' types are at the MCZ, but some have been deposited elsewhere. Because Hagen and Banks often did not indicate in their publications where type were deposited, it is difficult to be certain where they are located. Banks first mentioned the place of deposition of his caddisfly types in publication in (1913), but he did not repeat this until (1918), after which it became a semiregular practice in his later works. I have found that several of Banks' types from southeast Asia are at The Natural History Museum, formerly the British Mus. (Nat. Hist.), (Weaver 1985), and that a few of his cotypes are at the Academy of Natural Sciences of Philadelphia. Also, the MCZ types and some paratypes of 23 species of Australian caddisflies were transferred in 1971 to the Australian National Insect Collection in Canberra (pers. comm. Furth, Neboiss 1983). Based on the presence of cotypes and determined specimens by other authors at the MCZ, it is evident that Banks exchanged material with Ross, Martynov, Mosely, Ulmer, and others, and Hagen perhaps traded material with Kolenati, McLachlan, Rambur and Pictet. Thus, it would seem likely that many specimens were offered in exchange to colleagues, and that Hagen and Banks' cotypes are scattered among several museum collections throughout the world. Those who may wish to borrow Trichoptera material from the MCZ should contact Dr. David G. Furth, Curatorial Associate, Department of Entomology, Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts, 02138, U.S.A.

**MILNE'S LABELS.** Lorus Johnson Milne (1910-1987) earned his Ph.D. at Harvard in 1936 (cf. Trichoptera Newsletter 15, 1988). He designated several types in the collection, usually with the standard MCZ type labels, and sometimes with his own purple, red or yellow labels. Several of his "type" labels are invalid because the type designations were not published. Milne's types are either in the MCZ or the Illinois Natural History Survey Collection (Webb 1980).

**MISCELLANEOUS LABELS.** Ramber's locality labels are dull olive-green. Specimens from Kolenati bear a bright green label with his name. Ulmer's labels are small and bordered with two thin black lines; his type labels from the Selys Collection are large rectangular and grey, with "Type" printing in red. Some blue plesiotype labels are present.

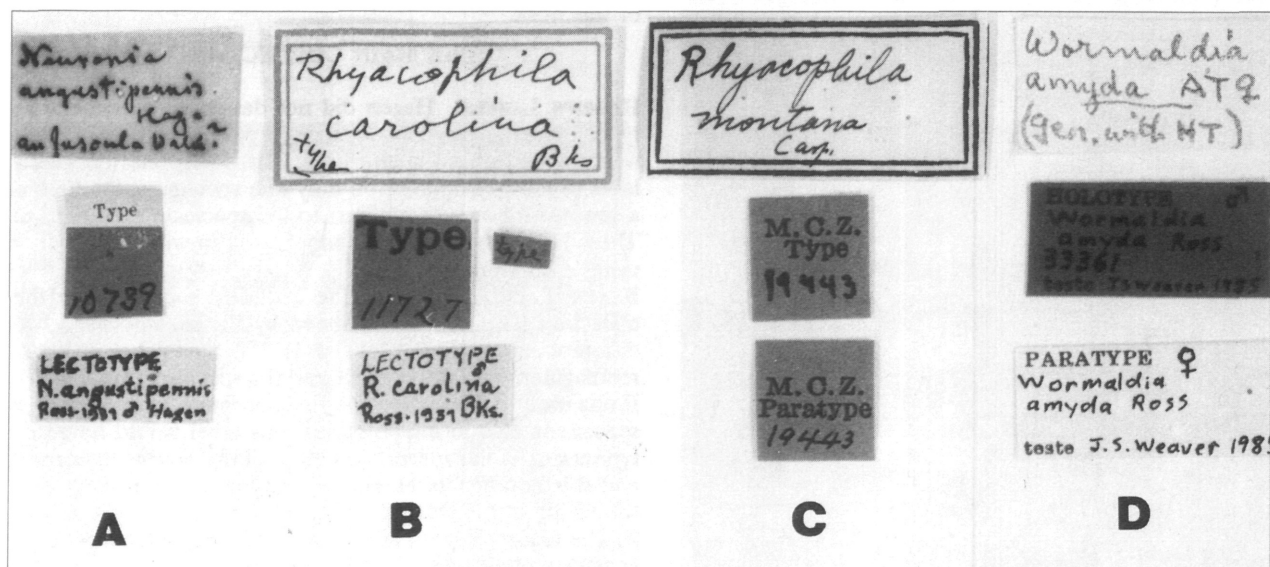


Fig. 2. MCZ type labels: A. Det. label by Hagen, top; 1<sup>st</sup> kind (oldest), red type label, middle; yellow lectotype label by Ross, bottom. B. Det. label by Banks with red border, top; 2<sup>nd</sup> kind (most common), red type label, and minute type label, middle; yellow lectotype label by Ross. C. Det. label by Carpenter with black border, top; 3<sup>rd</sup> kind, red type label, middle; and corresponding red paratype label, bottom. D. Rough det. label by Ross, top; 4<sup>th</sup> kind (in present use), red holotype label, middle; and corresponding yellow paratype label, bottom.

**LECTOTYPES.** Subsequent workers have designated lectotypes for many of Hagen and Banks' species, and several lectotypes have been selected by Ross (1938, 1952), Flint (1967), and others. Ross usually selected as lectotype, the specimen that either Hagen or Banks had regarded as the type, i.e. the first labeled specimen in the type series, except when it was a female and a male syntype was available, the male was selected instead. The labels of lectotypes designated by Banks, Mosely, Morse and Weaver are yellow.

Four lectotypes at the MCZ are designated as follows.

1. *Cyrtoneura minutissimella* Chambers 1873, (presently in the genus *Neotrichia*, Hydroptilidae).

**Lectotype:** ♂ "*Cyrtoneura minutissimella* Chambers Kentucky" "Type 11107". This lectotype designation was recommended to me by Dr. Oliver S. Flint, Jr, who examined the specimen previously.

2. *Tinodes tagalica* Banks 1937, (Psychomyiidae).

**Lectotype:** ♂ "Mt. Mayo, Davao Mindanao, Phil. Islds. 4-5,000 ft. Jan 27" "M.C.Z. Type 22067", preparation made of the genitalia. This lectotype was selected from a ♂ and ♀ mounted on the same point and labeled as the type. I have remounted the other ♀ syntype on a separate pin.

3. *Neuronia lapponica* Hagen 1864, (presently in the genus *Oligotricha*, Phryganeidae).

**Lectotype:** ♂ "Lapponia Keitel" "Type 10742", preparation made of the genitalia. This lectotype was selected from a series of 7 syntypes, all labeled as "Type 10742".

4. *Beraea nigrita* Banks 1897, (Beraeidae).

**Lectotype:** ♀ "Sea Cliff N.Y." "Type 11724", preparation made of the wings and body. This lectotype was selected from 2 ♀ mounted on the same point and labeled as the type. I have remounted the other ♀ syntype on a separate pin.

**EXPLANATION OF THE SPECIES LIST.** The listing of species names follows the arrangement of the collection. The initial names in bold are in current use, and where new combinations have occurred, the original generic name in italics follows after the author. The original names of junior synonyms are indented and in italics, and listed only if specimens labeled as such are present; brackets are mine.

Abbreviations are as follows: A: allotype; 2<sup>nd</sup>A: secondary allotype; C: cotype; det: determined by; etoh: alcohol collection; H: holotype; L: lectotype; La: lectoallotype; N: neotype; n.nov. nomen novum; n.nud. nomen nudum; P: paratype; ples: plesiotype, a specimen designated as an example of a known species (Fernald 1939); spec: specimen; topo: topotype, a specimen from the type locality (Fernald 1939); ANIC: Australian National Insect Collection; ANSP: The Academy of Natural Sciences of Philadelphia; MCZ: Museum of Comparative Zoology; NMNH: United States, National Museum of Natural History, Smithsonian Institution.

Data from the red MCZ type labels are quoted in full with the catalogue number, except for duplicates labeled as paratypes or cotypes. When there is more than one type labeled in the same manor in a series, the number of types labeled as such is given preceding the data taken from the type label. For example: 1) "4: Type 11093, L, La, (Ross 1938)" means that 4 syntypes are each labeled, "Type 11093" and that Ross (1938) designated a lectotype and a lectoallotype from the type series. 2) "M.C.Z. Type 22074, 4P" means that one specimen is uniquely labeled, "M.C.Z. Type 22074", and four other specimens are each labeled "M.C.Z. Paratype 22074". 3) "4C: Type 11009" means that four specimens each labeled "Type 11009", but are actually cotypes, or that there is some indication, either from other labels or the type catalogue, that these specimens are cotypes.

**TYPES.** I suspect that a few of the specimens labeled as "Type" are not actually primary types. Banks' early entries in the type catalogue often do not make the distinction between primary and secondary types, and apparently he

was very liberal in placing type labels on specimens that were merely plesiotypes or topotypes. For example the unique type of *Lepidostoma podagrum* (McLachlan) is at The Natural History Museum (pers. comm. P.C. Barnard), yet there is one type-labeled specimen of *L. podagrum* at the MCZ and another at the Illinois Natural History Survey, both of which are probably plesiotypes, but certainly not primary types. Therefore, I recommend that the "types" listed herein should be verified with the information as provided in the original species descriptions; I have only listed the data from the "type" labels or as listed in the type catalogue. Also, references are listed for all lectotypes and neotypes, and all new nomina nuda have been ignored.

**MIXED TYPE SERIES.** The type series of some species have become separated in a few instances, usually when a worker has discovered that a type series comprises more than one species, and subsequently some of the syntypes have been relocated in the collection with the species as newly identified. The problem with this practice is that most of the type labels of the syntypes usually do not bear the species name of the original series, and unfortunately Banks' minute det. labels often have been discarded, leaving the type status of relocated syntypes open to misinterpretation. Subsequent workers might incorrectly assume status of the syntypes, unless they happen to notice the different numbers and consult the type catalogue. To clarify this matter, I have made a cross-reference in the species list below of all mixed type series, and have placed the relocated syntypes with their original series in the collection, if specimens are each labeled with new det. labels.

#### ANNULIPALPIA MARTYNOV

##### GLOSSOSOMATIDAE WALLENGREN

##### GLOSSOSOMATINAE WALLENGREN

*Agapetus abbreviatus* Ulmer.

*Agapetus artesus* Ross, etoh.

*Agapetus boulderensis* Milne, M.C.Z. Type 22398.

*Agapetus caucasicus* Martynov.

*Agapetus celatus* McLachlan, etoh.

*Agapetus curvidens* Ulmer.

*Agapetus cyrnensis* Mosely, 4P: Type 16447.

*Agapetus delicatulus* McLachlan, det. Mosely.

*Agapetus diversus* (McLachlan), *Pseudoagapetus*, det. Mosely.

*Agapetus dubitans* (McLachlan), *Synagapetus* [wings & cases].

*Agapetus fuscipes* Curtis.

*Rhyacophila incolor* Pictet, C: Type 11084 [wing].

*Rhyacophila lanata* Pictet, C: Type 11083 [wings].

*Agapetus illini* Ross, M.C.Z. Paratype 23563 etoh.

*Agapetus insons* (McLachlan), *Pseudoagapetus*, 4C: Type 11088.

*Agapetus iridipennis* (McLachlan), *Synagapetus*.

*Rhyacophila azurea* non Linnaeus, Pictet, C: Type 11087.

*Agapetus laniger* (Pictet), *Rhyacophila*, C: Type 11085.

*Agapetus malleatus* Banks, 2: Type 11723; L, La (Ross 1938).

*Agapetus marlo* Milne, 3: M.C.Z. Paratype 22399.

*Agapetus medicus* Ross, etoh.

*Agapetus minutus* Sibley.

*Agapetus monticolus* Banks, P; [M.C.Z. Type 22096 & 2P in ANIC

(Neboiss 1983)].

*Agapetus nimbulus* McLachlan, det. Mosely.

*Agapetus oblongatus* Martynov.

*Agapetus ochripes* Curtis.

*Rhyacophila comata* Pictet.

*Agapetus pinatus* Ross, etoh.

*Agapetus rama* Schmid, 2: M.C.Z. Paratype 29669.

*Agapetus rudis* Hagen, 7: Type 11086; L (Ross 1952).

*Glossosoma aequale* Banks, 4: M.C.Z. Paratype 23434.

*Glossosoma alascense* Banks, etoh.

*Glossosoma altaicum* (Martynov), *Mystrophora*.

*Glossosoma anale* Martynov.

*Glossosoma atrichum* Ross, H: M.C.Z. Type 30905.

*Glossosoma bokoni* Curtis.

*Rhyacophila decolorata* Pictet, C: Type 11082 [wings].

*Glossosoma caudatum* Martynov.

*Glossosoma kellyi* Ross, n.nov. for *G. minutum* Banks, M.C.Z.

Paratype 26680.

*Glossosoma lividum* (Hagen), *Tinodes*, Type 11081; [L by Ross

(1938) absent].

*Glossosoma americana* Banks, Type 11746.

*Glossosoma malayanum* Banks, P: M.C.Z. Type 20188.

*Glossosoma nigrior* Banks, 3: Type 11745; L, La (Ross 1938).

- Glossosoma parvulum Banks, 3: Type 11748; L, La (Ross 1938).  
 Glossosoma penitus Banks, Type 11726.  
 Glossosoma spoliatum McLachlan, det. Mosely.  
 Glossosoma taeniatum Ross & Hwang, M.C.Z.Paratype 30906.  
 Glossosoma traviatum Banks, M.C.Z.Type 22665.  
 Glossosoma valvatum Ulmer.  
 Glossosoma ventrale Banks, Type 11747, etoh.  
 Glossosoma verdona Ross, etoh.
- PROTOPTILINAE ROSS  
 Antoptila brasilliana Mosely, P: Type 23594.  
 Carboptila calcigena Flint.  
 Mexitrichia albolineata (Ulmer), *Mortoniella*.  
*Mexitrichia teutona* Mosely.  
 Mexitrichia aries Flint, P.  
 Mortoniella bilineata Ulmer.  
 Protoptila balmorhea Ross, M.C.Z.Paratype 26855.  
 Protoptila bicornuta Flint, M.C.Z.Holotype 30408.  
 Protoptila coloma Ross, etoh.  
 Protoptila erotica Ross, M.C.Z.Paratype 23588 etoh.  
 Protoptila lega Ross, M.C.Z.Paratype 26854.  
 Protoptila maculata (Hagen), *Beraea*, 4: Type 11093; L, La (Ross 1938).  
 Protoptila resolda Mosely, M.C.Z.Paratype 23022.  
 Protoptila tojana Mosely.
- HYDROPTILIDAE STEPHENS  
 HYDROPTILINAE STEPHENS  
 Agraylea multipunctata Curtis.  
*Allotrichia flavida* Banks, 3: Type 11593; L (Ross 1938).  
*Agraylea fraterna* Banks, 3: Type 11591; L (Ross 1938).  
*Allotrichia signata* Banks, Type 11594.  
 Agraylea sexmaculata Curtis.  
*Agraylea pallidula* McLachlan.  
 Chrysotrichia dotalugola Schmid, 2: M.C.Z.Paratype 29666.  
 Costatrichia simplex Flint, 3P.  
 Exitrichia digitata Mosely, M.C.Z.Paratype 23028.  
 Exitrichia olorina Mosely, M.C.Z.Paratype 23021.  
 Exitrichia oxima Mosely, M.C.Z.Paratype 23024.  
 Hydroptila acuta Mosely, etoh.  
 Hydroptila ajax Ross, M.C.Z.Paratype 23581 etoh, det. Ross.  
 Hydroptila albicornis Hagen, Type 11105 [lectotype label by Ross (1938) not present].  
 Hydroptila ampoda Ross, etoh.  
 Hydroptila angulata Mosely, P: Type 16461 etoh.  
 Hydroptila angusta Ross, M.C.Z.Paratype 23582 etoh, det. Ross.  
 Hydroptila agrosa Ross, M.C.Z.Paratype 23583 etoh.  
 Hydroptila bifurcata Mosely, P: Type 16462 etoh.  
 Hydroptila consimilis Morton.  
 Hydroptila forcipata (Eaton), *Phrixocoma*.  
 Hydroptila gunda Milne, M.C.Z.Type 22382.  
 Hydroptila hamata Morton, etoh, det. Ross.  
 Hydroptila icona Mosely, M.C.Z.Paratype 23023.  
 Hydroptila kirilawela (Schmid), *Oxydroptila*, 3: M.C.Z.Paratype 29668.  
 Hydroptila kurukepitiya Schmid, 2: M.C.Z.Paratype 29667.  
 Hydroptila maculata (Banks), *Allotrichia*, 14: Type 11595; L (Ross 1938).  
*Hydroptila transversa* Banks, Type 11592; L (Ross 1938).  
 Hydroptila melia Ross, M.C.Z.Paratype 23584 etoh.  
 Hydroptila occulta Eaton, etoh.  
 Hydroptila paschia Mosely.  
 Hydroptila pecos Ross, M.C.Z.Paratype 26856.  
 Hydroptila perdita Morton, det. Ross.  
 Hydroptila pulchricornis Pictet, Type 11103.  
 Hydroptila rono Ross, 2: M.C.Z.Paratype 26850.  
 Hydroptila simulans Mosely, P: Type 16460 etoh.  
 Hydroptila sparsa Curtis, det. Kolenati.  
 Hydroptila spatulata Morton, det. Ross.  
 Hydroptila tineoides Dalman.  
 Hydroptila uncinata Morton, etoh.  
 Hydroptila vectis Curtis  
*Hydroptila maclachlani* Klapálek, det. Mosely, etoh.  
 Hydroptila vectis var. corsicana (Mosely), as var. of *maclachlani*, P: Type 16459 etoh.  
 Hydroptila virgata Ross, M.C.Z.Paratype 23585 etoh.  
 Hydroptila waubesianae Betten, det. Ross.  
 Hydroptila xera Ross, det. Ross.  
 Ithytrichia lamellaris Eaton.  
 Leucotrichia fairchildi Flint, M.C.Z.Holotype 32107.  
 Leucotrichia pictipes (Banks), *Orthotrichia*, 5: Type 11597; L, La (Ross 1938), etoh.  
 Mayatrichia ayama Mosely, det. Ross.  
 Mayatrichia ponta Ross, M.C.Z.Paratype 26861, etoh.  
 Metrichia nigrilla (Banks), *Orthotrichia*, 3: Type 11596; L (Ross 1938).  
 Neotrichia caxima (Mosely), *Guerotrichia*, M.C.Z.Paratype 23027.  
 Neotrichia edalis Ross, M.C.Z.Paratype 26858.
- Neotrichia falca Ross, det. Ross.  
 Neotrichia heleios Flint, M.C.Z.Holotype 30410.  
 Neotrichia minutissimella (Chambers), *Cyellene*, Type 11107 [L, cf. text].  
 Neotrichia okopa Ross, 2: M.C.Z.Paratype 26860.  
 Neotrichia riegei Ross, M.C.Z.Paratype 26859.  
 Ochrotrichia anisca (Ross), *Polytrichia*, 2: M.C.Z.Paratype 26851.  
 Ochrotrichia arva (Ross), *Polytrichia*, M.C.Z.Paratype 26852.  
 Ochrotrichia contorta (Ross), *Polytrichia*, M.C.Z.Paratype 26853.  
 Ochrotrichia logana (Ross), *Polytrichia*, 2: M.C.Z.Paratype 26849.  
 Ochrotrichia trapoiza Ross, P etoh.  
 Ochrotrichia tarsalis (Hagen), *Hydroptila*, Type 11104 [L by Ross (1938) absent].  
 Orthotrichia aegerfasciella (Chambers), *Clymene*.  
*Orthotrichia americana* Banks, 6: Type 11598; L, La (Ross 1938).  
*Oxyethira dorsalis* Banks, 5: Type 11600; L (Ross 1938).  
*Orthotrichia angustella* (McLachlan), *Hydroptila*.  
*Hydroptila brunneicornis* Pictet, C: Type 11101.  
 Orthotrichia cristata Morton, etoh, det. Ross.  
 Oxyethira aculea Ross, M.C.Z.Paratype 26857.  
 Oxyethira arizona Ross.  
*Oxyethira cirrifera* Flint.  
 Oxyethira azteca (Mosely), *Loxotrichia*, M.C.Z.Paratype 23025.  
 Oxyethira costalis (Curtis), *Hydroptila*, det. Mosely.  
 Oxyethira dualis Morton, det. Ross.  
 Oxyethira falcata Morton, det. Mosely, etoh.  
 Oxyethira flavicornis (Pictet), *Hydroptila*, C: Type 11102.  
 Oxyethira forcipata Mosely, det. Ross.  
 Oxyethira grisea Betten, etoh.  
 Oxyethira janella Denning.  
 Oxyethira pallida (Banks), *Orthotrichia*, 5: Type 11599; L, La (Ross 1938).  
 Oxyethira serrata Ross, M.C.Z.Paratype 23586 etoh.  
 Oxyethira simplex Ris, etoh.  
 Oxyethira simulatrix Flint, P.  
 Oxyethira tega Flint, 2P.  
 Oxyethira ulmeri (Mosely), *Dampfitrichia*, M.C.Z.Paratype 23026, det. Ross.  
 Plethrus cursitans (Hagen), *Hydroptila*, 8: Type 11106; L (Ross 1952), det. Schmid.  
 Stactobia atra Hagen, det. Mosely.  
 Stactobia eatoniella McLachlan, det. Mosely.  
 Stactobia fuscicornis (Schneider), *Hydroptila*, 4: Type 14898.  
 Stactobia palmata (Ross), *Stactobia*, etoh.  
 Zumatrichia echinata Flint.  
 Zumatrichia muttisetosa Flint, 10P.  
 PTILOCOLEPINAE MARTYNOV  
 Palaeagapetus celsus Ross, M.C.Z.Paratype 23587 etoh.  
 Palaeagapetus nearcticus Banks, M.C.Z.Type 22664, P.  
 Ptilocolepus dilatatus Martynov.  
 Ptilocolepus granulatus (Pictet), *Rhyacophila*.
- RHYACOPHILIDAE STEPHENS  
 Himalopsyche alticola Banks, 6: M.C.Z.Paratype 23439.  
 Himalopsyche anomala Banks, 3: M.C.Z.Paratype 23436.  
 Himalopsyche auricularis (Martynov), *Rhyacophila*.  
 Himalopsyche hageni Banks, 3: M.C.Z.Paratype 23437.  
 Himalopsyche lachlani Banks, 2: M.C.Z.Paratype 23438.  
 Himalopsyche navasi Banks, M.C.Z.Type 23440.  
 Himalopsyche placida Banks, M.C.Z.Paratype 26682.  
 Himalopsyche tibetana (Martynov), *Rhyacophila*, P: Type 16446.  
 Rhyacophila albardana McLachlan.  
 Rhyacophila alberta Banks, Type 10073, etoh.  
 Rhyacophila aliena Martynov.  
 Rhyacophila angelita Banks, Type 11731.  
*Rhyacophila bipartita* Banks, Type 11733.  
 Rhyacophila aquitanica McLachlan, 2C: Type 11075.  
 Rhyacophila atrata Banks, 2: Type 11739; L, La (Ross 1938), etoh.  
 Rhyacophila aurata Brauer, Cotype M.C.Z.22186.  
 Rhyacophila banksi Ross, 2: M.C.Z.Paratype 26838.  
 Rhyacophila basalis Banks, Type 11734, etoh.  
 Rhyacophila bifila Banks, Type 11736.  
 Rhyacophila blarina Ross, M.C.Z.Paratype 26847.  
 Rhyacophila brunnea Banks, 2: Type 11735; L (Ross 1938).  
*Rhyacophila acropedes* Banks, 3: Type 11741; L (Ross 1938).  
 Rhyacophila cameroni Banks, Type 16484.  
 Rhyacophila carolina Banks, 6: Type 11727; L, La (Ross 1938); [C at ANSP].  
 Rhyacophila carpenteri Milne, M.C.Z.Type 22393, 15P.  
 Rhyacophila castanea (Hagen), *Agapetus*, Type 11079; L (Ross 1952).  
 Rhyacophila coloradensis Banks, 2: Type 11728; L (Ross 1938).  
*Rhyacophila anomala* Banks, Type 14854, etoh.  
 Rhyacophila contracta McLachlan, det. Mosely.  
 Rhyacophila denticulata McLachlan, C: Type 11069.  
 Rhyacophila dorsalis (Curtis), *Phiolpotamus*.

- Rhyacophila evoluta* McLachlan.  
*Rhyacophila extensa* Martynov.  
*Rhyacophila carletoni* Banks, Type 16422.  
*Rhyacophila fasciata* Hagen, Type 11067; L (Ross 1952).  
*Rhyacophila fenestra* Ross, M.C.Z.Paratype 23590 etoh.  
*Rhyacophila formosa* Banks, Type 11729; L (Ross 1938).  
*Rhyacophila formosana* Ulmer.  
*Rhyacophila fraudulentula* McLachlan, C: Type 11070.  
*Rhyacophila fuscata* (Walker), *Neuronia*.  
*Rhyacophila glaberrima* Ulmer; 2<sup>nd</sup>A (Carpenter 1933).  
*Rhyacophila fairchildi* Banks, 2: Type 16327; L, La (Ross 1938).  
*Rhyacophila glareosa* McLachlan.  
*Rhyacophila grahami* Banks, M.C.Z.Paratype 23435.  
*Rhyacophila grandis* Banks, 3: Type 11737; L, La (Ross 1938).  
*Rhyacophila hirticornis* McLachlan, C: Type 11072.  
*Rhyacophila hyalinata* Banks, 3: Type 11738; L (Ross 1938).  
*Rhyacophila intermedia* McLachlan.  
*Rhyacophila invaria* (Walker), *Polycentropus*.  
*Rhyacophila luctuosa* Banks, 5: Type 11740; L, La (Ross 1938); [C at ANSP].  
*Rhyacophila isolata* Banks, M.C.Z.Paratype 20186.  
*Rhyacophila kimminsi* Ross, det. Weaver.  
*Rhyacophila laevis* Pictet.  
*Rhyacophila flavipes* Pictet, C: Type 11076 [wings].  
*Rhyacophila latipennis* Pictet, C: Type 11074.  
*Rhyacophila liliputana* Banks, M.C.Z.Type 23432.  
*Rhyacophila mainensis* Banks, Type 11730.  
*Rhyacophila malayana* Banks, 2: Type 16483.  
*Rhyacophila manistee* Ross, M.C.Z.Paratype 23591 etoh.  
*Rhyacophila marcida* Banks, M.C.Z.Paratype 26681.  
*Rhyacophila martynovi* Mosely, P: Type 16445.  
*Rhyacophila meridionalis* Pictet.  
*Rhyacophila minor* Banks, 3: Type 14857; L, La (Ross 1938).  
*Rhyacophila minuta* Banks, M.C.Z.Type 23433.  
*Rhyacophila montana* Carpenter, M.C.Z.Type 19443, 2P, [montana A is damaged ♂ of torva].  
*Rhyacophila munda* McLachlan, 2: Cotype M.C.Z.22188.  
*Rhyacophila nevadensis* Banks, 3: Type 14855; L, La (Ross 1938), etoh.  
*Rhyacophila nigra* Martynov.  
*Rhyacophila nigrita* Banks, 2: Type 11742; L (Ross 1938).  
*Rhyacophila norcuta* Ross.  
*Rhyacophila nubila* (Zetterstedt), *Pyriganea*.  
*Rhyacophila paupera* Hagen, Type 11066; L (Ross 1952).  
*Rhyacophila oblitterata* McLachlan.  
*Rhyacophila obtusidens* McLachlan.  
*Rhyacophila occidentalis* McLachlan, det. Mosely.  
*Rhyacophila oprys* Ross, P etoh.  
*Rhyacophila pacifica* Banks, Type 11744.  
*Rhyacophila pallida* Mosely, det. Mosely.  
*Rhyacophila parantra* Ross, P etoh.  
*Rhyacophila pascoei* McLachlan.  
*Rhyacophila persimilis* McLachlan, 2C: Type 11071.  
*Rhyacophila philopotamoideus* McLachlan, det. Mosely.  
*Rhyacophila polonica* McLachlan.  
*Rhyacophila hageni* McLachlan, 2C: Type 11077.  
*Rhyacophila praemorsa* McLachlan.  
*Rhyacophila proxima* McLachlan, det. Mosely.  
*Rhyacophila pubescens* Pictet, P: Type 14513.  
*Rhyacophila relegata* Schmid, Holotype 33358.  
*Rhyacophila relicta* McLachlan, det. Mosely.  
*Rhyacophila retracta* Martynov.  
*Rhyacophila rotunda* Banks, 3: Type 14856; L, La (Ross 1938), det. Ross.  
*Rhyacophila septentrionis* McLachlan, [possibly M.C.Z.cotype 11068; M.C.Z.label absent, spec. with penciled type label].  
*Rhyacophila shenandoahensis* Flint, det. Weaver.  
*Rhyacophila sinensis* Martynov, topo.  
*Rhyacophila stigmatica* (Kolenati), *Crunophila*.  
*Rhyacophila torrentium* Pictet, Cotype M.C.Z.22185.  
*Rhyacophila armeniaca* Guérin-Méneville, M.C.Z.Type 22187.  
*Rhyacophila torva* Hagen, 4: Type 11078; L (Ross 1938).  
*Rhyacophila terminata* Banks, Type 11743.  
*Rhyacophila vinura* Milne, M.C.Z.Type 22397, [cf. montana].  
*Rhyacophila tristis* Pictet.  
*Rhyacophila biguttata* Pictet, C: Type 11073 [wings].  
*Rhyacophila vacua* Milne, 4: M.C.Z.Paratype 22392.  
*Rhyacophila bruesi* Milne & Milne, P: [no. 25698] etoh.  
*Rhyacophila vaeves* Milne.  
*Rhyacophila vujuna* Milne.  
*Rhyacophila vagrita* Milne, M.C.Z.Paratype 22394.  
*Rhyacophila valuma* Milne, M.C.Z.Paratype.  
*Rhyacophila vao* Milne, 2: M.C.Z.Paratype 22395.  
*Rhyacophila vu* Milne.  
*Rhyacophila vedra* Milne.  
*Rhyacophila verrula* Milne, 4: M.C.Z.Paratype 22396, etoh.  
*Rhyacophila vetina* Milne.
- Rhyacophila viquaea* Milne.  
*Rhyacophila visor* Milne.  
*Rhyacophila vocala* Milne.  
*Rhyacophila voffixa* Milne.  
*Rhyacophila vulgaris* Pictet, Cotype M.C.Z.22184.
- HYDROBIOSIDAE ULMER**  
*Apsilochorema malayanum* Banks, 4: Type 16488.  
*Atopsyche banksi* Ross, M.C.Z.Holotype 30903.  
*Atopsyche batesi* Banks, 2: M.C.Z.Type 22105, P; L (Flint 1967).  
*Atopsyche bolivari* Banks, 4: Type 14839; L (Flint 1967).  
*Atopsyche cubana* Flint, M.C.Z.Holotype 32109.  
*Atopsyche dampfi* Ross & King, M.C.Z.Holotype 30904.  
*Atopsyche longipennis* (Ulmer), *Psilochorema*.  
*Atopsyche falina* Ross & King.  
*Atopsyche serica* Ross, M.C.Z.Holotype 30902.  
*Atopsyche sperryi* Denning, M.C.Z.Type 25757, A.  
*Atopsyche tripunctata* Banks, Type 11511; [A at ANSP].  
*Dolochorema irregulare* Banks, Type 11785.  
*Hydrobiosella stenocerca* Tillyard.  
*Hydrobiosella umbripennis* McLachlan, det. Tillyard.  
*Neurochorema confusum* (McLachlan), *Psilochorema*, det. Tillyard.  
*Psilochorema mimicum* McLachlan, det. Tillyard.  
*Psyllobetina plutonis* Banks, [M.C.Z.Type 22095 in ANIC (Neboiss 1983)].  
*Ptychobiosis nigrita* (Banks), *Notiobiosis*, [M.C.Z.Type 22094 in ANIC (Neboiss 1983)].  
*Taschorema pallescens* (Banks), *Notiobiosis*, [M.C.Z.Type 22093 & P in ANIC (Neboiss 1983)].  
*Ulmerochorema diffine* (Banks), *Apsilochorema*, 2: Type 10918.
- PHILOPOTAMIDAE STEPHENS**  
*Chimarra albomaculata* Kolbe, *Chimarra*.  
*Chimarra abyssinica* Banks, *Chimarra*, Type 11750.  
*Chimarra alticola* Banks, *Chimarra*, M.C.Z.Type 22074, 4P.  
*Chimarra angustipennis* Banks, *Chimarra*, Type 14345.  
*Chimarra argentella* Ulmer, *Chimarra*.  
*Chimarra argentinica* Ulmer, *Chimarra*, C: Type 11807.  
*Chimarra aterrima* Hagen, *Chimarra*, 7: Type 11098; L (Ross 1938).  
*Chimarra atripennis* Banks, *Chimarra*, Type 16506.  
*Chimarra auriceps* Hagen, *Chimarra*, 8: Type 11094; L (Ross 1952), [2 syntypes of *auriceps* are *confusa*].  
*Chimarra australica* Ulmer, *Chimarra*.  
*Chimarra banksi* (Ulmer), *Wormaldia*.  
*Chimarra bicolor* (Banks), *Philopotamus*, Type 11812.  
*Chimarra braconoides* (Walker), *Curgia*.  
*Chimarra brustia* Ross.  
*Chimarra cara* Mosely, *Chimarra*, M.C.Z.Paratype 22450.  
*Chimarra centralis* Ross.  
*Chimarra circularis* Hagen, *Chimarra*, 4: Type 11095; L (Ross 1952).  
*Chimarra concolor* Ulmer, *Chimarra*.  
*Chimarra confusa* Ulmer, *Chimarra*, [cf. *auriceps*].  
*Chimarra duckorthi* Flint.  
*Chimarra embia* Ross.  
*Chimarra emima* Ross.  
*Chimarra evoluta* Kimmins, det. Kingsolver.  
*Chimarra feria* Ross, *Chimarra*, etoh.  
*Chimarra formosana* Ulmer, *Chimarra*.  
*Chimarra lankana* Kimmins, det. Schmid.  
*Chimarra lewisi* Kimmins, det. Schmid.  
*Chimarra luzonica* Banks, *Chimarra*, Type 11771.  
*Chimarra manni* Banks, *Chimarra*, 3: Type 14825.  
*Chimarra marginata* (Linnaeus), *Phryganea*, ples.  
*Chimarra mexicana* (Banks), *Rhyacophila*, Type 11816.  
*Philopotamus barrettae* Banks, Type 11823.  
*Chimarra moesta* Banks, *Chimarra*, Type 14871.  
*Chimarra obscura* (Walker), *Beraea*.  
*Wormaldia plutonis* Banks, 2: Type 11519; L (Ross 1938).  
*Chimarra obscurella* Banks, *Chimarra*, Type 14824.  
*Chimarra pedalis* Banks, *Chimarra*, 2: Type 16487.  
*Chimarra persimilis* Banks, *Chimarra*, 2: Type 10907; L (Flint 1967).  
*Chimarra pulchra* Hagen, *Chimarra*, 2: Type 11100; L (Ross 1952).  
*Chimarra fraterna* Banks, 6: Type 14876.  
*Chimarra pumila* Banks, *Chimarra*, 2: Type 10908; L (Flint 1967).  
*Chimarra pylaea* Denning.  
*Chimarra sepulcralis* Hagen, *Chimarra*, 8: Type 11096; L (Ross 1952).  
*Chimarra signata* Banks, *Chimarra*, M.C.Z.Type 22047, P.  
*Chimarra socia* Hagen, *Chimarra*, Type 11099 [type in etoh].  
*Wormaldia femoralis* Banks, 3: Type 11520; L (Ross 1938).  
*Chimarra spangleri* Bueno.  
*Chimarra spatulata* Ross.  
*Chimarra spinulifera* Flint, M.C.Z.Holotype 32108.

- Chimarra tagalica* Banks, *Chimarra*, M.C.Z. Type 22074, 2P.  
*Chimarra texana* Banks, *Chimarra*, 2: Type 10914; L (Ross 1938).  
*Dolophilodes aequalis* (Banks), *Philopotamus*, Type 14853; L, La (Ross 1938), etoh.  
*Dolophilodes distincta* (Walker), *Philopotamus*.  
*Philopotamus americanus* Banks, 4: Type 11512; L (Ross 1938).  
*Dolophilodes dorca* (Ross), *Philopotamus*.  
*Dolophilodes japonica* (Banks), *Philopotamus*, Type 11834.  
*Dolophilodes major* (Banks), *Dolophilus*, 2: Type 11517; L (Ross 1938).  
*Dolophilodes obrussa* (Ross), *Sortosa*, Holotype 33359.  
*Dolophilodes occidens* Ross, etoh.  
*Dolophilodes ornata* Ulmer.  
*Philopotamus sinensis* Banks, 2: M.C.Z. Paratype 23443.  
*Dolophilodes pallidipes* (Banks), *Philopotamus*, M.C.Z. Type 22666, 4P.  
*Dolophilodes pectinata* (Ross), *Sortosa*, Holotype 33360.  
*Dolophilodes sisko* (Ross), *Wormaldia*, P etoh.  
*Gumungiella marginalis* Banks, M.C.Z. Type 23195.  
*Gumungiella nietheri* Banks, Type 10917.  
*Philopotamus achemenus* Schmid, M.C.Z. Paratype 29851.  
*Philopotamus corsicanus* Mosely, det. Mosely.  
*Philopotamus flavidus* Hagen, 4: Type 11061; L (Ross 1952).  
*Philopotamus hispanicus* McLachlan.  
*Philopotamus insularis* McLachlan, 3C: Type 11060.  
*Philopotamus ludificatus* McLachlan, 12C: Type 11057; 2: ples.  
*Philopotamus mexicanus* Banks, Type 11813.  
*Philopotamus montanus* (Donovan), *Phryganea*, 4: ples.  
*Philopotamus montanus pyrenaicus* McLachlan, C: Type 11058.  
*Philopotamus siculus* Hagen, 2: Type 11059; L (Ross 1952).  
*Philopotamus variegatus* (Scopoli), *Phryganea*, 3: ples.  
*Vigarrha tibialis* Navás.  
*Wormaldia aticoala* (Banks), *Doloclanes*, M.C.Z. Type 22072, P.  
*Wormaldia amyda* Ross, Holotype 33361, 2P.  
*Wormaldia anillus* (Ross), *Dolophilus*, etoh.  
*Wormaldia banksi* Ulmer.  
*Wormaldia mediana* Banks nec McLachlan, Type 11826.  
*Wormaldia copiosa* (McLachlan), *Dolophilus*.  
*Hydropsyche columbina* Pictet, C: Type 11063.  
*Wormaldia gabriella* (Banks), *Dolophiliella*, 7: Type 16326; L (Ross 1938), etoh.  
*Wormaldia gressitti* Ross, Holotype 33362.  
*Wormaldia mediana* McLachlan.  
*Wormaldia moesta* (Banks), *Paragapetus*, Type 11725; [C at ANSP].  
*Dolophilus brevis* Banks, 4: Type 11518; L (Ross 1938).  
*Wormaldia mohri* (Ross), *Galinia*, P etoh.  
*Wormaldia montana* (Banks), *Doloclanes*, M.C.Z. Type 22071, P.  
*Wormaldia occidea* (Ross), *Dolophilus*.  
*Wormaldia occipitalis* (Pictet), *Hydropsyche*, 2: ples.  
*Wormaldia pulla* (McLachlan), *Dolophilus*.  
*Wormaldia spinosa* Ross, Holotype 33357.  
*Wormaldia subnigra* McLachlan, 2: ples.  
*Wormaldia triangulifera* McLachlan, 2C: Type 11062.

## STENOPSYCHIDAE MARTYNOV

- Stenopsyche banksi* Mosely, det. Weaver.  
*Stenopsyche bergeri* Martynov, det. Weaver.  
*Stenopsyche coreana* (Kuwayama), *Parastenopsyche*, det. Weaver.  
*Stenopsyche drakon* Weaver, M.C.Z. Holotype 33343, 9P.  
*Stenopsyche grahami* Martynov.  
*Stenopsyche laminata* Ulmer.  
*Stenopsyche longispina* Ulmer.  
*Stenopsyche marmorata* Navás, det. Weaver.  
*Stenopsyche martynovi* Banks, 10: M.C.Z. Paratype 23441.  
*Stenopsyche moselyi* Banks, 5: M.C.Z. Paratype 23442.  
*Stenopsyche navasi* Ulmer.  
*Stenopsyche siamensis* Martynov, det. Schmid.  
*Stenopsyche similis* Ulmer, det. Weaver.  
*Stenopsyche stoetzeri* Döhler.  
*Stenopsyche trilobata* Tian & Weaver, P.  
*Stenopsyche yunnanensis* Hwang, det. Weaver.  
*Stenopsychodes melanochrysa* Tillard.  
*Stenopsychodes montanus* Tillard.  
*Stenopsychodes tillyardi* Banks, [M.C.Z. Type 22084 & P in ANIC (Neboiss 1983)].

## DIPSEUDOPSIDAE ULMER

- Dipseudopsis africana* Ulmer.  
*Dipseudopsis angustipennis* Navás.  
*Dipseudopsis bakeri* Banks, Type 11768.  
*Dipseudopsis buddha* Banks, Type 11737.  
*Dipseudopsis capensis* Walker.  
*Dipseudopsis collaris* McLachlan, C: Type 11080.  
*Dipseudopsis contorta* Banks, Type 16481.  
*Dipseudopsis curvata* Banks, 5: Type 10896.  
*Dipseudopsis elongata* Banks, Type 10882.  
*Dipseudopsis horni* Ulmer, det. Flint.

- Dipseudopsis immaculata* Ulmer.  
*Dipseudopsis indica* McLachlan.  
*Dipseudopsis infusca* McLachlan.  
*Dipseudopsis modesta* Banks, Type 11756.  
*Dipseudopsis moesta* Banks, Type 16480.  
*Dipseudopsis morosa* Banks, 3: Type 14826.  
*Dipseudopsis nebulosa* Alburda.  
*Dipseudopsis nervosa* Brauer.  
*Dipseudopsis luctuosa* Banks, Type 11769.  
*Dipseudopsis njalana* Ulmer.  
*Dipseudopsis recta* Martynov, det. Weaver.  
*Dipseudopsis robustior* Ulmer.  
*Dipseudopsis simplex* Ulmer.  
*Dipseudopsis spectabilis* Banks, Type 16421.  
*Dipseudopsis stabetensis* Malicky & Weaver.  
*Dipseudopsis tonkinensis* Navás, det. Weaver.  
*Dipseudopsis triclavata* Martynov, det. Weaver.  
*Dipseudopsis varians* Ulmer, det. Weaver.  
*Hyalopsyche rivalis* (Betten), *Hyalopsychodes*.  
*Phylocentropus carolinus* Carpenter, M.C.Z. Type 19444, 7P.  
*Phylocentropus lucidus* (Hagen), *Polycentropus*, 2: Type 11037; L (Ross 1938).  
*Phylocentropus orientalis* Banks, Type 16485.  
*Phylocentropus placidus* (Banks), *Holocentropus*, 3: Type 11540; L (Ross 1938), etoh.  
*Protodipseudopsis bicincta* Banks, Type 10893 [abdomen lost].  
*Protodipseudopsis ajoestediti* Ulmer.

## POLYCENTROPODIDAE ULMER

- Antillopsyche wrighti* Banks, M.C.Z. Type 25294, 7P; L (Flint 1967).  
*Cyrnellus fraternus* (Banks), *Cyrnus*, 4: Type 11538; L (Ross 1938).  
*Nyctiophylax marginalis* Banks, 3: Type 16325; L (Ross 1938).  
*Cyrnellus mammillatus* Flint.  
*Cyrnellus minimus* Banks, Type 11806; L (Flint 1967).  
*Cyrnellus risi* (Ulmer), *Cyrnus*.  
*Cyrnus crenaticornis* (Kolenati), *Tinodes*.  
*Cyrnus flavidus* McLachlan, ples.  
*Cyrnus trimaculatus* (Curtis), *Philopotamus*, ples.  
*Holocentropus dubius* (Rambur), *Philopotamus*, 2: Cotype M.C.Z. 22183, ples.  
*Holocentropus picocornis* (Stephens), *Polocentropus*, ples.  
*Holocentropus picocornis* var. *auratus* (Kolenati), *Plectrocnemia*, ples.  
*Holocentropus sternalis* (Albarda), *Nyctiophylax*, 2: ples.  
*Neureclipsis bimaculata* (Linnaeus), *Phryganea*, 2: ples.  
*Neureclipsis crepuscularis* (Walker), *Brachycentrus*, etoh.  
*Neureclipsis parvula* Banks, 3: Type 11509; L (Ross 1938); [C at ANSP].  
*Neureclipsis valida* (Walker), *Polycentropus*.  
*Polycentropus signatus* Banks, Type 11510.  
*Nyctiophylax abruptus* Banks, Type 11767.  
*Nyctiophylax occidentalis* Ulmer.  
*Nyctiophylax vestitus* (Hagen), *Polycentropus*, Type 11036; L (Ross 1938).  
*Nyctiophylax moestus* Banks, 2: Type 11536; L (Ross 1938).  
*Polycentropus affinis* Banks, Type 11537.  
*Plectrocnemia aurea* Ulmer.  
*Plectrocnemia australica* Banks, [M.C.Z. Type 22090 & 2P in ANIC (Neboiss 1983)].  
*Plectrocnemia banksi* Fischer, n.nov. for *P. furcata* Banks, 2: Type M.C.Z. 10913.  
*Plectrocnemia conspersa* (Curtis), *Philopotamus*, 4: ples.  
*Plectrocnemia corsicana* Mosely, det. Mosely.  
*Plectrocnemia scrupea* McLachlan, det. Mosely.  
*Plectrocnemia tortosa* Banks, 3: M.C.Z. Paratype 27675.  
*Polycentropus albipunctatus* (Banks), *Plectrocnemia*, 3: Type 16324; L, La (Ross 1938).  
*Polycentropus arizonensis* Banks, 2: Type 11546; L, La (Ross 1938).  
*Polycentropus aureolus* (Banks), *Plectrocnemia*, 3: Type 16323; L, La (Ross 1938).  
*Polycentropus aztecus* Flint, P.  
*Polycentropus carolinensis* Banks.  
*Polycentropus centralis* Banks, Type 11549.  
*Polycentropus cinereus* Hagen, 3: Type 11039; L, La (Ross 1938).  
*Polycentropus canadensis* Banks, Type 11527.  
*Holocentropus flavicornis* Banks, 3: Type 11526; L (Ross 1938).  
*Plectrocnemia pallescens* Banks, 4: Type 16322; L, La (Ross 1938).  
*Polycentropus clinei* (Milne), *Plectrocnemia*, 3: M.C.Z. Paratype 22383.  
*Polycentropus confusus* Hagen, 3: Type 11038; L (Banks 1936).  
*Polycentropus corsicus* Mosely, P: Type 16538.  
*Polycentropus crassicornis* Walker.  
*Plectrocnemia adironica* Banks, Type 11525.  
*Plectrocnemia australis* Banks, Type 11524.

- Polycentropus domingensis** Banks, M.C.Z.Type 25293, 10P; L (Flint 1967).
- Polycentropus divergens** Mosely, det. Mosely.
- Polycentropus flavomaculatus** (Pictet), *Hydropsyche*.  
*Hydropsyche brevicollis* Pictet, C: Type 11065.  
*Hydropsyche vitreus* Pictet, C: Type 11064.
- Polycentropus flavus** (Banks), *Holocentropus*, Type 11544.
- Polycentropus glacialis** (Ross), *Holocentropus*, M.C.Z.Paratype 23572 etoh.
- Polycentropus grellus** (Milne), *Holocentropus*, M.C.Z.Type 22381, P.
- Polycentropus halidus** Milne, M.C.Z.Type 22400, P.
- Polycentropus insularis** Banks, M.C.Z.Type 22111, P; L (Flint 1967).
- Polycentropus interruptus** (Banks), *Holocentropus*, 4: Type 11543, L (Ross 1938).  
*Holocentropus longus* Banks, 2: Type 11542; L (Ross 1938).  
*Holocentropus orotus* Banks, 3: Type 11541; L, La (Ross 1938).
- Polycentropus irroratus** (Curtis), *Philopotamus*.  
*Polycentropus multiguttatus* McLachlan nec Curtis, ples.
- Polycentropus joergenseni** Ulmer, 2C: 11805.  
*Polycentropus colombiensis* Banks, Type 11797.
- Polycentropus kingi** McLachlan, det. Mosely.
- Polycentropus maculatus** Banks, Type 11550.
- Polycentropus mexicana** (Banks), *Hydropsyche*, Type 11821.
- Polycentropus mortoni** Mosely, 2P: Type 16458.
- Polycentropus nigriceps** Banks, M.C.Z.Type 22674, 2P; L (Flint 1967).
- Polycentropus pentus** Ross, M.C.Z.Paratype 25861.
- Polycentropus remotus** Banks, 2: Type 11547; L (Ross 1938).
- Polycentropus rosselinnus** Navás, probable det. Ross.
- Polycentropus variegatus** Banks, Type 11548.
- Polyplectropus analis** Banks, 5: Type 16486.
- Polyplectropus annulicornis** Ulmer.
- Polyplectropus banksianus** Flint, M.C.Z.Holotype 32110.
- Polyplectropus charlesi** (Ross), *Polycentropus*.
- Polyplectropus costalis** (Banks), *Cordillopsyche*, Type 11784.
- Polyplectropus fijianus** Banks, M.C.Z.Type 22046.
- Polyplectropus grandis** Banks, M.C.Z.Type 22069.
- Polyplectropus irroratus** Banks, 2: Type 16509.
- Polyplectropus manni** Banks, M.C.Z.Type 22045, 3P.
- Polyplectropus nubigenus** (Hagen), *Polycentropus*, Type 11034; L (Ross 1952).
- Polyplectropus philippinensis** Ulmer, probable det. Ross.
- Polyplectropus puerilis** McLachlan, det. Tillyard.
- Polyplectropus unicolor** Banks, Type 16510.
- Polyplectropus ulmeri** Banks, M.C.Z.Type 22070.
- Pseudoneureclipsis funesta** (Hagen), *Chimarra*, 3: Type 11097; L (Ross 1952).
- Pseudoneureclipsis ramosa** Ulmer.
- PSYCHOMYIIDAE WALKER**
- PADUNIELLINAE LESTAGE**
- Mesopuniella uralensis** (Martynov), *Paduniella*.
- Paduniella angusta** Banks, M.C.Z.Type 23196, 4P.
- Paduniella borneensis** Banks, Type 16508.
- Paduniella mahanawana** Schmid, 3: M.C.Z.Paratype 29661.
- Paduniella sanghamittra** Schmid, 3: M.C.Z.Paratype 29663.
- Paduniella subhakara** Schmid, 2: M.C.Z.Paratype 29662.
- Paduniella vikramasinha** Schmid, M.C.Z.Paratype 29664.
- Propaduniella ceylanica** (Ulmer), *Paduniella*, det. Schmid.
- PSYCHOMYIINAE WALKER**
- Austrotinodes "nr. panamensis"** Flint.
- Cernotina calcea** Ross, M.C.Z.Paratype 23567 etoh.
- Cernotina oklahoma** Ross, M.C.Z.Paratype 23566 etoh.
- Cernotina pallida** (Banks), *Cyrnus*, 2: Type 11539; L (Ross 1938).
- Lype diversa** (Banks), *Psychomyia*, 5: Type 11533; L (Ross 1938); [C at ANSP].
- Lype phaeopa** (Stephens), *Anticyra*.
- Lype reducta** (Hagen), *Psychomyia*, 2: Type 11050.
- Metatype fragilis** (Pictet), *Hydropsyche*, C: Type 11051.
- Psychomyia flavida** (Hagen), *Psychomyiella*, 4: Type 11055; L (Ross 1938).  
*Psychomyia moesta* Banks, Type 11535.  
*Psychomyia pulchella* Banks, 3: Type 11534; L (Ross 1938), etoh.
- Psychomyia lumina** (Ross), det. Weaver.
- Psychomyia nomada** (Ross), *Psychomyiella*, M.C.Z.Paratype 23589 etoh.
- Psychomyia pusilla** Fabricius.  
*Psychomyia acuta* Pictet, C: Type 11054.  
*Psychomyia annulicornis* Pictet, C: Type 11053; ples.  
*Psychomyia tenuis* Pictet, C: Type 11052 [thorax in part].
- Psychomyiella ulmeri** Banks, M.C.Z.Type 23194, 18P.
- Psychomyiellodes tropicus** (Ulmer), *Ecnomus*, 2C: Type 11753, det. Ulmer.
- Tinodes adjunctus** Banks, M.C.Z.Type 22068.
- Tinodes agaricinus** Mosely, 2P: Type 16449.
- Tinodes cheitani** Schmid, M.C.Z.Paratype 29852.
- Tinodes consuetus** McLachlan.
- Tinodes dives** (Pictet), *Hydropsyche*, C: Type 11045.  
*Hydropsyche humeralis* Pictet, C: Type 11047.  
*Hydropsyche nigripennis* Pictet, C: Type 11046.  
*Hydropsyche picea* Pictet, C: Type 11048.  
*Hydropsyche turtur* Pictet, C: Type 11049.
- Tinodes foedellus** McLachlan, det. Mosely.
- Tinodes maculicornis** (Pictet), *Hydropsyche*.
- Tinodes maclachlani** Kimmins.  
*Tinodes pusillus* McLachlan not Curtis.
- Tinodes mitis** Hagen *Hydropsyche*, 4: Type 11024; L (Ross 1952).  
*Polycentropus rufus* Hagen, 3: Type 11035; L (Ross 1952).
- Tinodes pallidulus** McLachlan.
- Tinodes provo** Ross & Merkle, P etoh.
- Tinodes rostocki** McLachlan, C: Type 11042.
- Tinodes sanctus** Martynov.
- Tinodes tagalicus** Banks, M.C.Z.Type 22067 [L, cf. text], 6P.
- Tinodes unicolor** (Pictet), *Hydropsyche*, C: Type 11043.  
*Hydropsyche urbana* Pictet, C: Type 11044.
- Tinodes valvatus** Martynov.
- Tinodes verethraghna** Schmid, M.C.Z.Paratype 29853.
- Tinodes waeneri** (Linnaeus), *Phryganea*.  
*Philopotamus longipennis* Rambur, C: Type 11041.  
*Hydropsyche microcephala* Pictet, C: Type 11040.
- XIPHOCENTRONIDAE ROSS**
- Xiphocentron cubana** (Banks), *Antillotrichia*, M.C.Z.Type 25295.
- Xiphocentron haitiensis** (Banks), *Antillotrichia*, M.C.Z.Type 25296.
- ECNOMIDAE ULMER**
- Ecnomus ceylanicus** Mosely, det. Schmid.
- Ecnomus continentalis** Ulmer.
- Ecnomus lohprasada** Schmid, M.C.Z.Paratype 29659.
- Ecnomus natalensis** Ulmer, P: Type 16451, det. Mosely.
- Ecnomus rizali** Banks, M.C.Z.Type 22073, P.
- Ecnomus tagalensis** (Banks), *Nyctiophylax*, Type 11774.
- Ecnomus tenellus** (Rambur), *Philopotamus*, ples, det. Schmid.
- Ecnomus vahasaba** Schmid, 2: M.C.Z.Paratype 29658.
- HYDROPSYCHIDAE CURTIS**
- HYDROPSYCHINAE CURTIS**
- Abacaria fijiana** (Mosely), *Hydropsychodes*.
- Abacaria picea** (Brauer), *Hydromanicus*.
- Abacaria ruficeps** (Brauer), *Hydromanicus*.
- Abaria margaritifera** Schmid, M.C.Z.Paratype 29660.
- Asmicridea edwardsii** (McLachlan), *Hydropsyche*.
- Austropsyche victoriana** Banks, 3P; [M.C.Z.Type 22086 in ANIC (Neboiss 1983)].
- Calosopsyche ardisia** Flint & Bueno, M.C.Z.Holotype 33508, 3P.
- Calosopsyche batesi** (Flint), *Hydropsyche*, M.C.Z.Holotype 33505.
- Calosopsyche carinifera** (Flint), *Hydropsyche*, M.C.Z.Holotype 30409.
- Calosopsyche darlingtoni** (Flint), *Hydropsyche*, M.C.Z.Type 30407.
- Cheumatopsyche afra** (Mosely), *Hydropsychodes*.  
*Hydropsychodes falcifera* Ulmer, 2P: Type 16444, det. Mosely.
- Cheumatopsyche albocinctus** (Banks), *Hydropsychodes*, M.C.Z.Type 22064, 6P.
- Cheumatopsyche analis** (Banks), *Hydropsyche*, 3: Type 11532; L (Ross 1938), [2 syntypes of *analis* are *gracilis*, det. Gordon].
- Cheumatopsyche aphantia** Ross, M.C.Z.Paratype 23568 etoh.
- Cheumatopsyche arizonensis** (Ling), det. Gordon & Nimmo.
- Cheumatopsyche burksi** Ross.
- Cheumatopsyche campyla** Ross, M.C.Z.Paratype 23569 etoh.
- Cheumatopsyche costalis** (Banks), *Hydropsychodes*, Type 11779.
- Cheumatopsyche czekanovskii** (Martynov), *Synaptopsyche*, C: Type 11294.
- Cheumatopsyche diminuta** (Walker), *Hydropsyche*, det. Ulmer.
- Cheumatopsyche excisa** (Ulmer), *Hydropsychodes*.
- Cheumatopsyche gracilis** (Banks), *Hydropsyche*, 3: Type 11497; L (Ross 1938) [cf. *analsi*].
- Cheumatopsyche harwoodi** enigma, Ross, Morse & Gordon, det. Gordon.
- Cheumatopsyche lasia** Ross, M.C.Z.Paratype 23570 etoh, det. Gordon.
- Cheumatopsyche lepida** (Pictet), *Hydropsyche*, 2: ples.  
*Hydropsyche angustata* Pictet, C: Type 11010.  
*Hydropsyche varia* Rambur, 4C: Type 11011 [4 type spec. pointed, with 2 spec./pin].
- Cheumatopsyche masia** (Navás), *Hydropsychodes*, C: Type 15917, det. Navás.
- Cheumatopsyche minuscula** (Banks), *Hydropsyche*, 4: Type 11530; L, La (Ross 1938), [2 syntypes of *minuscula* are *sordida*, det. Gordon, cf. *sordida*; C at ANSPI].
- Cheumatopsyche modica** (McLachlan), *Hydropsyche*.

- Cheumatopsyche normalis* (Banks), *Hydropsychodes*, M.C.Z.Type 22063, 13P.  
*Cheumatopsyche oppositus* (Banks), *Hydropsychodes*, 2: Type 16489.  
*Cheumatopsyche oxa* Ross, det. Gordon.  
*Cheumatopsyche pallidus* (Banks), *Hydropsychodes*, 3: Type 10897.  
*Cheumatopsyche pasella* Ross, det. Gordon.  
*Cheumatopsyche pettiti* (Banks), *Hydropsyche*, Type 11531, etoh.  
*Cheumatopsyche plutonis* (Banks), *Symphitopsyche*, Type 11749.  
*Cheumatopsyche pulchripennis* (Banks), M.C.Z.Type 22062, P.  
*Cheumatopsyche sordida* (Hagen), *Hydropsyche*, 6: Type 11015; L (Ross 1938), [3 syntypes of *C. sordida* are *C. minuscula* det. Gordon, cf. *C. minuscula*].  
*Cheumatopsyche speciosa* (Banks), *Hydropsyche*, 4: Type 11502; L, La (Ross 1938).  
*Hydropsyche phalerata* Hagen, Type 11014, lectotype label by Banks (1936) not present.  
*Cheumatopsyche thomasseti* (Ulmer), *Hydropsyche*, P: Type 16456, det. Mosely.  
*Cheumatopsyche triangularis* (Ulmer), *Hydropsyche*, 4P: Type 16457, det. Mosely.  
*Cheumatopsyche urema* Mosely, 3: M.C.Z.Paratype 22451, det. Mosely.  
*Chematopsyche "nr. virginica"* Denning.  
*Ecnopsyche reticulata* Banks, Type 11778.  
*Hydatopsyche decepta* Banks, M.C.Z.Type 23431, P.  
*Hydatopsyche melli* Ulmer.  
*Hydromanicus flavoguttatus* Albarda.  
*Hydromanicus formosus* Banks, Type 16504.  
*Hydromanicus frater* Ulmer.  
*Hydromanicus hermosus* Banks, P: M.C.Z.Type 20185.  
*Hydromanicus intermedius* Martynov.  
*Hydromanicus malayanus* Banks, Type 16482.  
*Hydropsyche aerata* Ross, M.C.Z.Paratype 23573 etoh.  
*Hydropsyche alternans* (Walker), *Philopotamus*.  
*Hydropsyche recurvata* Banks, 5: Type 11507; L (Ross 1938).  
*Hydropsyche angustipennis* (Curtis), *Philopotamus*, 2: ples.  
*Hydropsyche aspersa* Rambur, 3C: Type 11004.  
*Hydropsyche nebulosa* Pictet, C: Type 11001.  
*Hydropsyche tincta* Pictet, C: Type 11002.  
*Hydropsyche walseariana* Walker, Type 11003.  
*Hydropsyche asiatica* Ulmer.  
*Hydropsyche bidens* Ross, M.C.Z.Paratype 23574 etoh.  
*Hydropsyche bronta* Ross, M.C.Z.Paratype 23575 etoh, det. Nimmo.  
*Hydropsyche bryanti* Banks, M.C.Z.Type 22065, 2P.  
*Hydropsyche bulbifera* McLachlan, C: Type 11000.  
*Hydropsyche bwambana* Mosely, M.C.Z.Paratype 23595.  
*Hydropsyche californica* Banks, 3: Type 11504; L (Ross 1938), etoh.  
*Hydropsyche calosa* Banks, M.C.Z.Type 22673, 6P; L (Flint 1967).  
*Hydropsyche carolina* Banks, M.C.Z.Type 22657, 2P.  
*Hydropsyche cheilonis* Ross, M.C.Z.Paratype 23576 etoh.  
*Hydropsyche cockerelli* Banks, 4: Type 11506; L, La (Ross 1938), etoh [cf. *oslari*].  
*Hydropsyche columnata* Martynov, det. Unzicker.  
*Hydropsyche complicata* Banks, M.C.Z.Type 23430, 10P.  
*Hydropsyche confusa* (Walker), *Philopotamus*.  
*Hydropsyche separata* Banks, M.C.Z.Type 22656, 17P.  
*Hydropsyche cornuta* Ross, M.C.Z.Paratype 23577 etoh.  
*Hydropsyche cuanis* Ross, M.C.Z.Paratype 23578 etoh.  
*Hydropsyche delrio* Ross.  
*Hydropsyche depravata* Hagen, Type 11017, "Neoallotype" [labeled by Milne] (Banks 1936); 2<sup>nd</sup>A (Ross 1938).  
*Hydropsyche dicantha* Ross, det. Ross.  
*Hydropsyche dolosa* Banks, M.C.Z.Type 23429 [det. Unzicker as *formosana*].  
*Hydropsyche exocellata* Dufour.  
*Hydropsyche faurai* Navás, det. Navás.  
*Hydropsyche flavata* Banks, M.C.Z.Paratype 20187.  
*Hydropsyche forcipata* Ulmer.  
*Hydropsyche formosana* Ulmer, C: Type 11840, det. Unzicker. [cf. *dolosa*].  
*Hydropsyche frisoni* Ross.  
*Hydropsyche fryeri* Ulmer.  
*Hydropsyche fulvipes* (Curtis), *Philopotamus*.  
*Hydropsyche gifuana* Ulmer, C: Type 11844.  
*Hydropsyche grahami* Banks, M.C.Z.Paratype 23444.  
*Hydropsyche guttata* Pictet, C: Type 11006, 2: ples, det. Kolenati.  
*Hydropsyche danubii* Brauer, 3C: Type 11007.  
*Hydropsyche hageni* Banks, Type 11496; L (Ross 1938).  
*Hydropsyche hedinii* Forsslund.  
*Hydropsyche incommoda* Hagen, Type 2: 11018; L (Ross 1938).  
*Hydropsyche injusta* Banks, 3: M.C.Z.Paratype 22702.  
*Hydropsyche instabilis* (Curtis), *Philopotamus*, 2: ples.  
*Hydropsyche cinerea* Pictet, C: Type 11008.  
*Hydropsyche isolata* Banks.  
*Hydropsyche javanica* Ulmer.  
*Hydropsyche longipalpis* Banks, Type 10894.  
*Hydropsyche maderensis* Hagen, 3: M.C.Z.Type 22182; L (Malicky 1977).  
*Hydropsyche morosa* Hagen, 11: Type 11013; L (Banks 1936), det. Nimmo.  
*Hydropsyche bifida* Banks, 2: Type 11503; L, La (Ross 1938), det. Nimmo.  
*Hydropsyche chlorotica* Hagen, 4: Type 11016; L (Ross 1938).  
*Hydropsyche namwa* Mosely, M.C.Z.Paratype 23596, det. Mosely.  
*Hydropsyche nasuta* Ulmer.  
*Hydropsyche nevae* Kolenati, det. Kolenati.  
*Hydropsyche occidentalis* Banks, 11: Type 11500; L (Ross 1938), etoh.  
*Hydropsyche novamexicana* Banks, Type 11505; L (Ross 1938), etoh.  
*Hydropsyche ophthalmica* Rambur, 4C: Type 11009.  
*Hydropsyche opposita* Banks.  
*Hydropsyche orbiculata* Ulmer.  
*Hydropsyche ornatula* McLachlan 1878, 9C: Type 11005; ples.  
*Hydropsyche orris* Ross, etoh.  
*Hydropsyche oslari* Banks, 5: Type 11501; L, La (Ross 1938) [La Ross of *cockerelli* is *oslari*, det. Scheffer], etoh.  
*Hydropsyche partita* Banks, 5: Type 11498; L (Ross 1938); [C at ANSP].  
*Hydropsyche pallipenne* Banks, M.C.Z.Paratype 22703.  
*Hydropsyche pellucidula* (Curtis), *Philopotamus*, ples.  
*Hydropsyche laeta* Pictet, C: Type 10995.  
*Hydropsyche maxima* Brauer, C: Type 10998.  
*Hydropsyche tenuicornis* Pictet, C: Type 10996.  
*Hydropsyche variabilis* Pictet, C: Type 10997 [abdomen lost].  
*Hydropsyche versicolor* Brauer, C: Type 10999.  
*Hydropsyche penicillata* Martynov.  
*Hydropsyche phalerata* Hagen, 9: Type 11014; 2<sup>nd</sup>A (Ross 1938); L (Banks 1936).  
*Hydropsyche plana* Forsslund.  
*Hydropsyche reciproca* (Walker), *Philopotamus*.  
*Hydropsyche rhomboana* Martynov.  
*Hydropsyche rizali* Banks, M.C.Z.Type 22066, 2P.  
*Hydropsyche saxonica* McLachlan.  
*Hydropsyche scalaris* Hagen, 5: Type 11012; L (Banks 1936).  
*Hydropsyche selysi* Ulmer, C: Type 11845.  
*Hydropsyche simulans* Ross, M.C.Z.Paratype 23579 etoh.  
*Hydropsyche slossonae* Banks, 2: Type 11495; L, La (Ross 1938).  
*Hydropsyche sparna* Ross, M.C.Z.Paratype 23580 etoh, det. Nimmo.  
*Hydropsyche stimulans* McLachlan, det. Mosely.  
*Hydropsyche venularis* Banks, 5: Type 11508; L (Ross 1938).  
*Hydropsyche walkeri* Betten & Mosely.  
*Hydropsyche waltoni* Martynov, C: Type 16452.  
*Hydropsyche wamba* Mosely, M.C.Z.Paratype 23597.  
*Plectropsyche hoogstraali* Ross, P etoh.  
*Plectropsyche domingensis* (Banks), *Hydropsyche*, M.C.Z.Type 25291, 3P; L (Flint 1967).  
*Potamyia chinensis* Martynov.  
*Potamyia flava* (Hagen), *Macronema*, Type 11026; L (Ross 1938).  
*Hydropsyche kansensis* Banks, 3: Type 11499; L (Ross 1938).  
*Smicridea aequalis* Banks, Type 10911.  
*Smicridea albosignata* Ulmer, Type 10909.  
*Smicridea maculata* Banks, Type 10910.  
*Smicridea annulicornis* (Blanchard), *Hydropsyche*, det. Kolenati.  
*Rhyacophylax chilensis* Navás.  
*Smicridea argentina* (Navás), *Badallus*.  
*Smicridea appendiculata* Flint.  
*Smicridea banksi* Flint, n.nov. for *S. unicolor* Banks, M.C.Z.Type 22110, P; L (Flint 1967).  
*Smicridea brasiliensis* (Ulmer), *Rhyacophylax*, C: 11794.  
*Smicridea bivittata* (Hagen), *Hydropsyche*, Type 11019; L (Ross 1952).  
*Smicridea comma* Banks, 5: Type 14874; L (Flint 1967).  
*Smicridea completa* Banks, M.C.Z.Type 25292, P; L (Flint 1967).  
*Smicridea columbiana* (Ulmer), *Rhyacophylax*, C: 11795.  
*Smicridea dispar* (Banks), *Polycentropus*, Type 11545.  
*Smicridea utico* Ross, P etoh.  
*Smicridea dithyra* Flint.  
*Smicridea fasciatella* McLachlan, Type 11020; etoh.  
*Hydropsyche divisa* Banks, 4: Type 11528; L, La (Ross 1938).  
*Smicridea "nr. iguazu"* Flint.  
*Smicridea jamaicensis* Flint, P.  
*Smicridea marlieri* Flint.  
*Smicridea matagalpa* Flint.  
*Smicridea minima* Flint, P.  
*Smicridea murina* McLachlan.  
*Rhyacophylax magna* Ulmer, C: Type 11800.  
*Smicridea zanclophora* Flint.  
*Smicridea nigripennis* Banks, 6: Type 10912; L (Flint 1967).  
*Smicridea obesa* Banks, M.C.Z.Type 22672, P; L (Flint 1967).  
*Smicridea piraya* Flint.



- Smicridea saucia* McLachlan.  
*Smicridea scutellaris* Flint.  
*Smicridea signata* (Banks), *Pellopsyche*, Type 11513.  
*Smicridea truncata* Flint.  
*Smicridea unicolor* (Banks), *Diplectrona*, 5: Type 11815; L (Flint 1967).  
*Smicridea varia* (Banks), *Rhyacophylax*, Type 11814.  
*Smicridea veracruzensis* Flint.  
*Smicridea vilela* Flint.  
*Smicridea voluta* Flint.  
*Smicrophylax australis* (Ulmer), *Smicridea*.  
*Smicridea parva* Banks, 13P; [M.C.Z.Type 22091 & 5P in ANIC (Neboiss 1983)].  
*Smicrophylax ulmeri* (Banks), *Smicridea*, 2P; [M.C.Z.Type 22092 & P in ANIC (Neboiss 1983)].  
*Sterptopsyche antilles* (Ross & Palmer), *Hydropsyche*.  
*Synoestropsis furcata* Flint.  
*Synoestropsis grisoli* Navás.  
*Synoestropsis obliqua* Ulmer.  
*Synoestropsis pedicillata* Ulmer, C: Type 11792.  
*Synoestropsis punctipennis* Ulmer.  
*Synoestropsis vitrea* Navás.  
DIPLECTRONINAE ULMER  
*Diplectrona albofasciata* (Ulmer), *Hydromanicus*, C: Type 11841 [probable cotype present, but without MCZ type label].  
*Diplectrona atra* McLachlan, det. Mosely.  
*Diplectrona angusta* Banks, [M.C.Z.Type 22087 in ANIC (Neboiss 1983)].  
*Diplectrona bidens* Ulmer.  
*Diplectrona californica* Banks, Type 11521.  
*Diplectrona cinctipennis* (Banks), *Hydromanicus*, Type 11777.  
*Diplectrona elongata* (Banks), *Sciops*, 2: Type 16507.  
*Diplectrona exquisita* Banks, M.C.Z.Type 22060, P.  
*Diplectrona extrema* (Banks), *Hydromanicus*, 3: Type 10888.  
*Diplectrona fasciata* (Ulmer), *Hydromanicus*.  
*Diplectrona fasciata stigmatica* Banks, M.C.Z.Type 22061, 7P.  
*Diplectrona felix* McLachlan.  
*Diplectrona inermis* (Banks), *Sciops*, P; [M.C.Z.Type 22089 & P in ANIC (Neboiss 1983)].  
*Diplectrona japonica* (Banks), *Arctopsyche*, M.C.Z.Type 11833, P.  
*Diplectrona magna* Mosely, P: Type 16455.  
*Diplectrona maligna* (Hagen), *Hydropsyche*, 2: Type 11023; L (Ross 1952).  
*Diplectrona melli* Ulmer.  
*Diplectrona meridionalis* (Hagen), *Aphelocheira*, 3: Type 11056; L (Ross 1952).  
*Diplectrona modesta* Banks, 2: Type 11523; L, La (Ross 1938).  
*Diplectrona papilionacea* (Hagen), *Hydropsyche*, 3: Type 11022; L (Ross 1952).  
*Diplectrona scabrosa* Banks, M.C.Z.Type 22059.  
*Diplectrona spinata* (Banks), *Sciops*, [M.C.Z.Type 22088 in ANIC (Neboiss 1983)].  
*Diplectrona suensoni* Ulmer.  
*Diplectrona tricolor* Banks, M.C.Z.Type 22058.  
*Diplectrona trifasciata* (Banks), *Hydromanicus*, Type 14823.  
*Diplectronella taprobanes* (Hagen), *Hydropsyche*, 7: Type 11021; L (Ross 1952).  
*Homoplectra doringa* (Milne), *Diplectrona*, H: M.C.Z.Type 27072.  
*Homoplectra nigripennis* (Banks), *Diplectrona*, Type 11522; 2<sup>nd</sup>A (Ross 1938) [cf. *spora*].  
*Homoplectra spora* Denning, [2<sup>nd</sup>A of *nigripennis* is *spora*], det. Flint.  
*Sciops oculata* Banks, Type 16505.  
MACRONEMATINAE ULMER  
*Aethaloptera dispar* Brauer, det. Mosely.  
*Aethaloptera evanescens* (McLachlan), *Chloropsyche*.  
*Aethaloptera rossica* Martynov, C: Type 11293.  
*Aethaloptera sexpunctata* (Kolenati), *Seiodes*, det. Barnard.  
*Aethaloptera dyakana* Banks, Type 10885.  
*Paraethaloptera punctata* Banks, 3: M.C.Z.Paratype 22700.  
*Amphipsyche apicalis* Banks, M.C.Z.Type 22677, P; L (Barnard 1984), det. Barnard.  
*Amphipsyche delicata* Banks, M.C.Z.Type 23470, 6P; L (Barnard 1984), det. Barnard.  
*Amphipsyche distincta* Martynov.  
*Amphipsyche evanescens* Barnard, det. Barnard.  
*Amphipsyche magna* Banks, M.C.Z.Type 23471.  
*Amphipsyche meridiana* Ulmer, det. Barnard.  
*Amphipsyche nirvana* Banks, Type 11755.  
*Amphipsyche vedana* Banks, Type 11754.  
*Amphipsyche parva* Banks, Type 10886.  
*Amphipsyche petiolata* Ulmer, det. Barnard.  
*Amphipsyche minima* Banks, Type 16479; etoh.  
*Amphipsyche prolata* McLachlan, det. Barnard.  
*Amphipsyche senegalensis* (Brauer), *Phanostoma*.  
*Baliomorpha banksi* (Mosely), *Macronema*, n.n for *tristis* Banks, 14P, [M.C.Z.Type 22085 & P in ANIC (Neboiss 1983)].  
*Baliomorpha pulchripenne* (Tillyard), *Macronema*, P: Type 14434.  
*Blepharopus diaphanus* Kolenati.  
*Centromacronema apicale* (Walker), *Macronema*.  
*Centromacronema auripenne* (Rambur), *Macronema*.  
*Leptonema ferrugineum* Navás.  
*Centromacronema extensum* Banks, Type 11798.  
*Leptocerus niveistigma* Walker.  
*Macronema obscurum* Ulmer.  
*Leptocerus quadrifurca* Walker.  
*Centromacronema auripenne* var. *cupreum* (Walker), *Macronema*.  
*Centromacronema nigrifrons* Banks, Type 11799.  
*Centromacronema oculatum* (Walker), *Macronema*.  
*Leptonema affine* Ulmer.  
*Leptonema albovirens* (Walker), *Macronema*, det. Mosely.  
*Leptonema album* Mosely, P: Type 17067.  
*Leptonema aspersum* Ulmer.  
*Leptonema banksi* Mosely, P: Type 17062.  
*Leptonema cinctum* Ulmer.  
*Leptonema columbianum* Ulmer.  
*Leptonema externum* Banks, Type 11808.  
*Leptonema complexum* Mosely, [cf. *forficula*].  
*Leptonema crassum* Ulmer.  
*Leptonema eugnathum* (Müller), *Macronema*.  
*Leptonema forficula* Mosely, P: Type 17069, [P is *complexum*, det. Flint].  
*Leptonema furcatum* Ulmer.  
*Leptonema guatemalum* Banks, Type 11822.  
*Leptonema hamuli* Flint, McAlpine & Ross.  
*Leptonema insulanum* Banks, Type 14870.  
*Leptonema ulmeri* Mosely.  
*Leptonema intermedium* Mosely, P: Type 17068.  
*Leptonema lojaense* Flint, McAlpine & Ross.  
*Leptonema maculatum* Mosely.  
*Leptonema normale* Banks, 2: Type 10891, det. McAlpine.  
*Leptonema poeyi* (Banks), *Macronema*, M.C.Z.Type 22675, 13P; L (Flint 1967).  
*Leptonema pseudostigmatosum* Flint, M.C.Z.Holotype 33506.  
*Leptonema salvini* Mosely, P: Type 17065.  
*Leptonema simulans* Mosely, P: Type 17066.  
*Leptonema sinuatum* Mosely.  
*Leptonema sparsum* (Ulmer), *Macronema*.  
*Leptonema spinulum* Flint, McAlpine & Ross.  
*Leptonema stigmatosum* Ulmer.  
*Leptonema tholloni* Navás.  
*Leptonema tridens* Mosely.  
*Leptonema uncatum* Mosely, Type 17063.  
*Leptonema viridianum* Navás.  
*Leptonema dissimile* Mosely, P: Type 17064.  
*Macronema burmeisteri* Banks, Type 14836.  
*Macronema fragile* Banks, Type 11801.  
*Macronema fraternum* Banks, Type 11803.  
*Macronema gundlachi* Banks, 5: Type 14875.  
*Macronema hageni* Banks, 8: Type 14834.  
*Macronema lachlani* Banks, Type 14835.  
*Macronema lutipenne* Flint & Bueno, 13P.  
*Macronema muelleri* Banks, 3: Type 14837.  
*Macronema percitans* Walker.  
*Macronema pertyi* Banks, Type 14833.  
*Macronema picteli* Banks, Type 11802.  
*Macrostemum albardanum* (Banks), *Macronema*, Type 16477.  
*Macrostemum bellum* (Banks), *Macronema*, Type 11772.  
*Macrostemum braueri* (Banks), *Macronema*, Type 14838.  
*Macrostemum caliptera* (Banks), *Macronema*, Type 16420.  
*Macrostemum capense* (Walker), *Macronema*.  
*Macrostemum capense inscriptum* (Walker), *Macronema*.  
*Macrostemum carolina* (Banks), *Macronema*, 2: Type 11529; L (Ross 1938).  
*Macrostemum diagramma* (McLachlan), *Macronema*.  
*Macrostemum distinguendum* (Ulmer), *Macronema*, det. Ulmer.  
*Macrostemum dohrni* (Ulmer), *Macronema*.  
*Macrostemum eleanora* (Banks), *Macronema*, M.C.Z.Type 22980.  
*Macrostemum ethelda* (Banks), *Macronema*, M.C.Z.Type 22676, 22P; [4P at ANSP].  
*Macrostemum fastosum* (Walker), *Macronema*.  
*Macronema quinquepunctatum* Banks, Type 10889.  
*Macronema tripunctatum* Banks, 2: Type 14822.  
*Macrostemum fenestratum* (Albarda), *Macronema*.  
*Macrostemum hyalinum* (Pictet), *Hydropsyche*.  
*Macrostemum erichsoni* (Banks), *Macronema*, Type 10902.  
*Macrostemum hospitum* (McLachlan), *Macronema*.  
*Macrostemum indistinctum* (Banks), *Macronema*, Type 11765.  
*Macrostemum lautum* (McLachlan), *Macronema*.  
*Macrostemum nebulosum* (Hagen), *Macronema*, 5: Type 11030; L (Ross 1952).  
*Macrostemum obliquum* (Hagen), *Macronema*, 2: Type 11033; L (Ross 1952).  
*Macrostemum obscurum* (Banks), *Macronema*, Type 10892.

- Macrostemum opulentum* (Ulmer), *Macronema*.  
*Macrostemum pallipes* (Banks), *Macronema*, 2: Type 16502.  
*Macrostemum par* (Navás), *Macronema*.  
*Macrostemum partitum* (Ulmer), *Macronema*.  
*Macrostemum pseudoneura* (Brauer), *Macronema*.  
*Macrostemum radiatum* (McLachlan), *Macronema*.  
*Macrostemum santaeritae* (Ulmer), *Macronema*.  
*Macrostemum scriptum* (Rambur), *Macronema*.  
*Macrostemum sepultum* (Hagen), *Macronema*, 3: Type 11032; L (Ross 1952).  
*Macrostemum similior* (Banks), *Macronema*, 2: Type 16478.  
*Macrostemum spectabilis* (Banks), *Macronema*, Type 16476.  
*Macrostemum splendens* (Banks), *Macronema*, 3: Type 16503.  
*Macrostemum splendidum* (Hagen), *Macronema*, 3: Type 11029; L (Ross 1952).  
*Macrostemum transversum* (Walker), *Hydropsyche*.  
*Macrostemum trifasciatum* (Banks), *Macronema*, M.C.Z. Type 20184, P.  
*Macrostemum trigramma* (Navás), *Macronema*.  
*Macronema pullatum* Navás.  
*Macrostemum tuberosum* (Ulmer), *Macronema*.  
*Macrostemum ulmeri* (Banks), *Macronema*, Type 11804.  
*Macrostemum zebratum* (Hagen), *Macronema*, 8: Type 11027; L, La (Ross 1938).  
*Oestropsyche hageni* Banks, M.C.Z. Type 23469.  
*Oestropsyche palingenia* Brauer.  
*Oestropsyche vitrina* (Hagen), *Macronema*, Type 11025; L (Ross 1952), det. Schmid.  
*Plectromacronema comptum* Ulmer.  
*Plectromacronema subfuscum* (Banks), *Podomacronema*, Type 10904.  
*Polymorphanisus angustipennis* Ulmer, det. Barnard.  
*Polymorphanisus astictus* Navás, det. Barnard.  
*Polymorphanisus flavipes* Banks, M.C.Z. Type 23467, 15P.  
*Polymorphanisus bipunctatus* (Brauer), *Oestropis*.  
*Polymorphanisus fuscus* (Ulmer), *Oestropis*.  
*Polymorphanisus guttatus* Navás.  
*Polymorphanisus hainanensis* Martynov.  
*Polymorphanisus ocellaris* Ulmer.  
*Polymorphanisus indicus* Banks, Type 11787.  
*Polymorphanisus scutellatus* Banks, M.C.Z. Type 23472, 2P.  
*Polymorphanisus semperi* (Brauer), *Oestropis*.  
*Polymorphanisus tumidus* Banks, M.C.Z. Type 23468, 2P.  
*Polymorphanisus umbripes* Barnard, H: M.C.Z. Type 32396; 30P.  
*Polymorphanisus unipunctus* Banks, 2: M.C.Z. Paratype 23445.  
*Protomacronema hyalinum* Ulmer, 3C: Type 11751.  
*Protomacronema pubescens* Ulmer, det. Mosely.  
*Pseudoleptonema ceylanicum* (Hagen), *Macronema*, 5: Type 11031, L (Ross 1952).  
*Pseudomacronema arcuatum* (Erichson), *Macronema*, Type 11028.  
*Pseudomacronema subaequalis* (Banks), *Macronema*, Type 10903.  
*Pseudomacronema vittatum* Ulmer.  
**ARCTOPSYCHINAE MARTYNOV**  
*Arctopsyche difformis* Banks, 4: M.C.Z. Paratype 26679.  
*Arctopsyche grandis* (Banks), *Hydropsyche*, 2: Type 11514; L (Ross 1938).  
*Arctopsyche inermis* Banks, M.C.Z. Type 25843, 2P; etoh.  
*Arctopsyche phyganoides* Banks, Type 10074.  
*Arctopsyche ladogensis* (Kolenati), *Aphelocheira*, det. Kolenati, ples.  
*Arctopsyche ramosa* McLachlan, Type 25840.  
*Arctopsyche lobata* Martynov.  
*Parapsyche almota* Ross.  
*Parapsyche apicalis* (Banks), *Arctopsyche*, 2: Type 11515.  
*Parapsyche divergens* (Banks), *Arctopsyche*, M.C.Z. Type 25844.  
*Parapsyche elsis* Milne, M.C.Z. Paratype.
- INTEGRIPALPIA MARTYNOV**  
**PHRYGANEIDAE LEACH**  
*Agrypnia crassicornis* McLachlan.  
*Agrypnia colorata* Hagen, Type 10734; L (Ross 1938).  
*Prophryganea bradorata* Milne, P: Type 16530.  
*Agrypnia glacialis* Hagen, 3: Type 10737, [purple lectotype labels by Milne are invalid].  
*Agrypnia improba* (Hagen), *Phryganea*, 3: Type 10738; L (Milne 1931) [abdomen absent].  
*Agrypnia improba* var. *sackeni* (Banks), *Dasystegia*, M.C.Z. Type 25838, 4P.  
*Agrypnia macdunnoughi* (Milne), *Prophryganea*.  
*Agrypnia obsoleta* (Hagen), *Phryganea*.  
*Agrypnia obsoleta deflata* (Milne), *Prophryganea*, P: Type 16531.  
*Agrypnia pagetana* Curtis.  
*Agrypnia pagetana nearctica* Milne, M.C.Z. Type 19514.  
*Agrypnia picta* Kolenati.  
*Agrypnia islandica* Hagen, Type 10736.  
*Agrypnia principalis* (Martynov), *Phryganea*.
- Agrypnia straminea* Hagen, Type 10735; L (Ross 1938).  
*Agrypnia curvata* Banks, Type 11604.  
*Phryganomyia obscura* Banks, Type 11605.  
*Agrypnia varia* (Fabricius), *Phryganea*.  
*Agrypnia vestita* (Walker), *Neuronina*, topo.  
*Banksiola calva* Banks, M.C.Z. Type 25756.  
*Banksiola concatenata* (Walker), *Neuronina*, M.C.Z. Paratype 25700.  
*Banksiola cornuta* Banks, M.C.Z. Type 28557, det. Flint.  
*Banksiola crotchi* Banks, M.C.Z. Type 25956, P.  
*Banksiola dossuaria* (Say), *Phryganea*, "Neoholotype" & "Neoallotype" [purple labels by Milne], 12: "Neoparatype" [yellow labels by Milne] (Wiggins 1956).  
*Banksiola selina* Betten, M.C.Z. Paratype 26845.  
*Banksiola smithi* (Banks), *Neuronina*, Type 11601, det. Wiggins.  
*Beothukus complicatus* (Banks), *Ecclisomyia*, Type 14845.  
*Eubasilissa maclachlani* (White), *Holostomis*.  
*Eubasilissa regina* (McLachlan), *Holostomis*.  
*Eubasilissa tibetana* Martynov, P: Type 16442.  
*Fabria inornata* (Banks), *Neuronina*, Type 11603.  
*Hagenella canadensis* (Banks), *Neuronina*, Type 11602.  
*Hagenella clathrata* (Kolenati), *Anabolia*.  
*Oligostomis ocelligera* (Walker), *Neuronina*.  
*Neuronina stygipes* Hagen, 5: Type 10741; L (Ross 1938).  
*Oligostomis pardalis* (Walker), *Neuronina*.  
*Oligostomis reticulata* (Linnaeus), *Phryganea*.  
*Oligotricha lapponica* (Hagen), *Neuronina*, 8: Type 10742 [L, cf. text], det. Wiggins.  
*Oligotricha striata* (Linnaeus), *Phryganea*, det. Kolenati.  
*Phryganea cinerea* Walker.  
*Phryganea grandis* Linnaeus.  
*Phryganea japonica* McLachlan.  
*Phryganea sinensis* (McLachlan), *Colpomera*, det. Mosely.  
*Phryganea sayi* Milne, n. nov. for *P. interrupta* Say, "Neoholotype", "Neoallotype", 12: "Neoparatype".  
*Phryganea sordida* McLachlan.  
*Ptilostomis angustipennis* (Hagen), *Neuronina*, 3: Type 10739; L (Ross 1938).  
*Ptilostomis ocellifera* (Walker), *Neuronina*.  
*Ptilostomis postica* (Walker), *Neuronina*.  
*Ptilostomis semifasciata* (Say), *Phryganea*, det. Flint.  
*Neuronina fusca* Walker, C: Type 10740.  
*Semblis atrata* (Gmelin), *Phryganea*, det. Wiggins.  
*Semblis melaleuca* (McLachlan), *Holostomis*.  
*Semblis phalaenoides* (Linnaeus), *Phryganea*.  
*Trichostegia minor* (Curtis), *Phryganea*.  
*Phryganea tortriceana* Rambur, Cotype M.C.Z. 22155.  
*Yphria californica* (Banks), *Phryganea*, Type 11606.
- PLECTROTARSIDAE MOSELY AND KIMMINS**  
*Plectrotarsus gravenhorsti* Kolenati.  
*Plectrotarsus tasmanicus* Mosely.
- PHRYGANOSPYCHIDAE WIGGINS**  
*Phryganopsyche latipennis* (Banks), *Phryganea*, Type 11838.
- LIMNOCENTROPODIDAE TSUDA**  
*Limnocentropus grandis* Banks, P: M.C.Z. Type 20182.
- MOLANNIDAE WALLENGREN**  
*Molanna albicans* (Zetterstedt), *Phryganea*.  
*Molanna angustata* Curtis.  
*Nais plicata* Rambur, 2: Cotype M.C.Z. 22181.  
*Molanna blenda* Sibley.  
*Molanna cinerea* Hagen, Type 10957; L (Ross 1938).  
*Molanna flavicornis* Banks, 2: Type 11590; L, La (Ross 1938).  
*Molanna moesta* Banks, Type 11839.  
*Molanna nigra* (Zetterstedt), *Phryganea*.  
*Molanna uniophila* Vorhies.  
*Molannodes tinctus* (Zetterstedt), *Phryganea*, det. Molsely.
- CALAMOCERATIDAE ULMER**  
*Anisocentropus annulicornis* (Hagen), *Macronema*, Type 10990; L (Ross 1952).  
*Anisocentropus bellus* Banks, Type 16419.  
*Anisocentropus dilucidus* McLachlan, det. Mosely.  
*Anisocentropus fijianus* Banks, M.C.Z. Type 22041, P.  
*Anisocentropus illustris* McLachlan, C: Type 10989.  
*Anisocentropus immunis* McLachlan, det. Ulmer coll. Selys.  
*Anisocentropus latifascia* (Walker), *Notodobia*.  
*Anisocentropus maculatus* Ulmer.  
*Anisocentropus nitidus* Banks, M.C.Z. Type 22052, 28P; [4P at ANSP].  
*Anisocentropus solomonis* Banks, M.C.Z. Type 22051, P.  
*Anisocentropus semiflavus* Banks, [M.C.Z. Type 22083 in ANIC (Neboiss 1983)].  
*Anisocentropus usambarensis* Ulmer, det. Mosely.  
*Ascalaphomerus humeralis* Walker.

- Calamoceras volkemi* McLachlan, det. Mosely.  
*Ganonema brevipenne* Ulmer.  
*Ganonema falcatus* (Banks), *Asotocerus*, Type 11764.  
*Ganonema furcatus* (Banks), *Asotocerus*, 2: Type 14820.  
*Ganonema fuscipenne* Albarda.  
*Ganonema magnum* Banks, 2: Type 16475.  
*Ganonema pallicornis* McLachlan.  
*Ganonema umbrosum* (Banks), *Asotocerus*, Type 11770.  
*Heteroplectron americanum* (Walker), *Sericostoma*.  
*Heteroplectron californicum* McLachlan, 3C: Type 10993.  
*Phylloicus abdominalis* (Ulmer), *Heteroplectron*.  
*Phylloicus aeneus* (Hagen), *Macronema*, Type 10992; L (Flint 1967).  
*Heteroplectron mexicanum* Banks, Type 11818.  
*Heteroplectron nigripennis* Banks, Type 11819.  
*Phylloicus angustior* Ulmer.  
*Phylloicus brevior* Banks, Type 11786.  
*Phylloicus bromeliarum* Müller, 2C: Type 11111.  
*Phylloicus chalybeus* (Hagen), *Macronema*, 3: Type 10991; L (Ross 1952).  
*Phylloicus cubanus* Banks, Type 14869.  
*Phylloicus iridescens* Banks, M.C.Z. Type 25297, 5P; L (Flint 1967).  
*Phylloicus lituratus* Banks, Type 10901.  
*Phylloicus maculatum* (Banks), *Heteroplectron*, Type 11820.  
*Phylloicus magnus* Banks, Type 11790.  
*Phylloicus major* Müller, Type 11110, 7P.  
*Homoeoplectron assimile* Ulmer.  
*Phylloicus ornatus* (Banks), *Notiomyia*, Type 11722.  
*Phylloicus plaumanni* Flint, 3P.  
*Phylloicus superbus* Banks, M.C.Z. Type 22669. L (Flint 1967).
- PHILORHEITHRIDAE MOSELY**  
*Philorheithrus agilis* (Hudson), *Pseudoeconesus*.
- ODONTOCERIDAE WALLENGREN**  
*Barynema costatum* Banks, [M.C.Z. Type 22082 & P in ANIC (Neboiss 1983)].  
*Leptodermatopteryx tenuis* Ulmer, C: Type 11752.  
*Marilia fasciculata* Banks, Type 11791.  
*Marilia flexuosa* Ulmer.  
*Anisocentropus fuscus* Banks, Type 11561.  
*Marilia gracilis* Banks, M.C.Z. Type 22107, P; L (Flint 1967).  
*Marilia gracilis nigrescens* Banks, M.C.Z. Type 25298, 2P; L (Flint 1967).  
*Marilia lateralis* Flint, P.  
*Marilia major* Müller, Type 11108.  
*Marilia mexicana* (Banks), *Leptocerus*, Type 11811.  
*Marilia minor* Müller, 21C: Type 11109.  
*Marilia "nr. minor"* Müller.  
*Marilia mixta* (Hagen) *Molanna*, 4: Type 10984.  
*Marilia modesta* Banks, Type 11782.  
*Marilia scudderi* Banks, Type 14872.  
*Marilia wrighti* Banks, Type 14873.  
*Namamyia plutonis* Banks, Type 11721.  
*Nerophilus californicus* (Hagen), *Silo*, Type 10994; L, 2<sup>nd</sup>A (Ross 1938).  
*Nerophilus oregonensis* Banks, Type 11720.  
*Odontocerus albicornis* (Scopoli), *Phryganea*.  
*Perissoneura paradoxa* McLachlan.  
*Perissoneura japonica* Banks, Type 11836.  
*Perissoneura similis* Banks, Type 11835.  
*Pseudogoera singularis* Carpenter, M.C.Z. Type 19441, P.  
*Psilotreta chinensis* Banks, 4: M.C.Z. Paratype 23446.  
*Psilotreta frontalis* Banks, Type 11711, det. Parker.  
*Psilotreta indecisa* (Walker), *Goera*, det. Parker.  
*Heteroplectron borealis* Provancher.  
*Psilotreta japonica* (Banks), *Odontocerus*, Type 11837, det. Parker.  
*Psilotreta labida* Ross, det. Parker.  
*Psilotreta rufa* (Hagen), *Molanna*, 2: Type 10956; L, La (Ross 1938), det. Flint.  
*Astoplectron connexa* Banks, Type 11719.  
*Heteroplectron dissimilis* Banks, 3: Type 11718; L (Ross 1938).  
*Parthina vierra* Denning, det. Parker.
- LEPTOCERIDAE LEACH**  
*Achoropsyche duodecimpunctata* (Navás), *Setodes*.  
*Adicella filicornis* (Pictet), *Mystacidae*.  
*Adicella ino* (Hagen), *Setodes*, Type 10985.  
*Adicella najas* (Hagen), *Setodes*, 4: Type 10982.  
*Adicella reducta* (McLachlan), *Setodes*.  
*Allosetodes assimilis* Banks, M.C.Z. Type 22054, 3P.  
*Allosetodes plutonis* Banks, Type 16501, det. Manuel.  
*Athripsodes aterrimus* (Stephens), *Leptocerus*, det. Morse.  
*Athripsodes cinereus* (Curtis), *Leptocerus*, det. Morse.  
*Mystacida rufina* Rambur, C: Type 10961, det. Morse.  
*Athripsodes dissimilis* (Stephens), *Leptocerus*, det. Morse.  
*Mystacida vetula* Rambur, 2C: Type 10962, det. Morse.
- Athripsodes fulvoguttatus* (Mosely), *Leptocerus*, M.C.Z. Paratype 22452.  
*Athripsodes grumicha* (Vallot), *Phryganea*, dry larvae.  
*Brachysetodes major* Schmid.  
*Ceraclea alagma* (Ross), *Athripsodes*, det. Morse [cf. *annulicornis* & *transversa*].  
*Ceraclea alboguttata* (Hagen), *Leptocerus*, Type 10958, det. Morse.  
*Ceraclea albosticta* (Hagen), *Leptocerus*, Type 10963; L (Ross 1938).  
*Athripsodes saccus* Ross, M.C.Z. Paratype 23565 etoh.  
*Ceraclea ancylus* (Vorhies), *Leptocerus*, C: Type 11577, det. Morse.  
*Ceraclea annulicornis* (Stephens), *Leptocerus*, det. Morse.  
*Leptocerus futilis* Banks, Type 11574; L, La (Ross 1938), [♀ La of *futilis* is *Ceraclea alagma*, det. Morse].  
*Leptocerus lugens* Hagen, Type 10966, det. Morse.  
*Leptocerus recurvatus* Banks, Type 11569.  
*Ceraclea aurea* (Pictet), *Mystacidae*, det. Morse.  
*Ceraclea cancellata* (Betten), *Leptocerus*, det. Morse [cf. *transversa*].  
*Ceraclea cophia* (Ross), *Athripsodes*, det. Morse.  
*Ceraclea diluta* (Hagen), *Leptocerus*, 4: Type 10965; L (Ross 1938), det. Morse.  
*Leptocerus retactus* Banks, 4: Type 11568.  
*Ceraclea erratica* (Milne), *Athripsodes*, 4: M.C.Z. Paratype 22385, det. Morse.  
*Ceraclea erulla* (Ross), *Athripsodes*, M.C.Z. Paratype 23564 etoh.  
*Ceraclea excisa* (Morton), *Leptocerus*, det. Morse.  
*Athripsodes perplexa nordus* Milne, Type 19560, det. Morse.  
*Ceraclea flava* (Banks), *Leptocerus*, 5: Type 11572; L, La (Ross 1938).  
*Ceraclea floridana* (Banks), *Leptocerus*, Type 11575, det. Morse.  
*Ceraclea fulva* (Rambur), *Mystacidae*, det. Morse.  
*Ceraclea latahensis* (Smith), *Athripsodes*, det. Morse.  
*Ceraclea maculata* (Banks), *Leptocerus*, 2: Type 11576; L (Ross 1938), det. Morse, [cf. *transversa*].  
*Leptocerus inornatus* Banks, Type 11573.  
*Ceraclea marginata* (Banks), *Leptocerus*, Type 11760, det. Morse.  
*Ceraclea mentiea* (Walker), *Leptocerus*.  
*Ceraclea modesta* (Banks), *Leptocerus*, 9: Type 10890; L (Morse 1975).  
*Ceraclea nigronervosa* (Retzius), *Phryganea*.  
*Mystacida venosa* Rambur, 2C: Type 10960, det. Morse.  
*Ceraclea perplexa* (McLachlan), *Leptocerus*, det. Morse.  
*Ceraclea punctata* (Banks), *Mystacidae*, Type 11584, det. Morse.  
*Ceraclea ramburi* Morse, P: Type 10959 [cotype of *Leptocerus albimacula* (Rambur)].  
*Ceraclea resurgens* (Walker), *Leptocerus*, det. Morse.  
*Leptocerus variegatus* Hagen, Type 10964; L (Ross 1938).  
*Ceraclea riparia* (Albarda), *Leptocerus*, det. Morse & Mosely.  
*Ceraclea ruthae* (Flint), *Athripsodes*, det. Morse.  
*Ceraclea senilis* (Burmeister), *Mystacidae*, det. Morse.  
*Ceraclea slossonae* (Banks), *Athripsodes*, M.C.Z. Type 22655, P, det. Morse.  
*Ceraclea sobradieli* (Navás), *Leptocerus*, det. Morse.  
*Ceraclea tarsipunctata* (Vorhies), *Leptocerus*, C: Type 11571, det. Morse.  
*Ceraclea transversa* (Hagen), *Leptocerus*, Type 10967; L, 2<sup>nd</sup>A (Ross 1938), [1 syntype of *transversa* is *cancellata*, det. Morse; 2<sup>nd</sup>A of *transversa* is *maculata*, det. Morse].  
*Leptocerus angustus* Banks, 2: Type 11570; L (Morse 1975) [1 syntype of *angustus* is *alagma*, det. Morse].  
*Ceraclea uvalo* (Ross), *Athripsodes*.  
*Ceraclea vertreesi* (Denning), *Athripsodes*.  
*Ceraclea wetzeli* (Ross), *Athripsodes*.  
*Erotesis baltica* McLachlan.  
*Grumichella pulchella* (Banks), *Leptocella*, Type 11783.  
*Grumichella rostrata* Thienemann.  
*Homilia leucophaea* (Rambur), *Mystacidae*, 2C: Type 10968, [probable cotypes present, but without MCZ type labels].  
*Hudsonema flaminii* (Navás), *Triplectides*.  
*Leptocerus americanus* (Banks), *Setodes*, 6: Type 11567; L, La (Ross 1938), det. Holzenthal.  
*Setodes floridanus* Banks, Type 11563.  
*Setodes grandis* Banks, 3: Type 11564; L, La (Ross 1938).  
*Leptocerus interruptus* (Fabricius), *Phryganea*.  
*Leptocerus lusitanicus* (McLachlan), *Setodes*, det. Mosely.  
*Leptocerus posticus* (Banks), *Setodes*, Type 11761.  
*Leptocerus tineiformis* Curtis.  
*Setodes aspersella* Rambur, 2C: Type 10988.  
*Leptorussa darlingtoni* (Banks), *Leptocerus*, [M.C.Z. Type 22081 & P in ANIC (Neboiss 1983)].  
*Mystacides alafimbriata* Hill-Griffin, etoh.  
*Mystacides azurea* (Linnaeus), *Phryganea*.  
*Mystacides interjecta* (Banks), *Oecetina*, 2: Type 11551; L (Ross 1938).  
*Mystacides canadensis* Banks, 3: Type 14852; L (Ross 1938).  
*Mystacides leucoptera* McLachlan.

- Mystacides longicornis* (Linnaeus), *Phryganea*.  
*Mystacides monochroa* McLachlan, det. Mosely.  
*Mystacides nigra* (Linnaeus), *Phryganea*, 2: ples; etoh.  
*Mystacides sepulchralis* (Walker), *Leptocerus*.  
*Mystacides testacea* Navás.  
*Nectopsyche albida* (Walker), *Leptocerus*.  
*Setodes nivea* Hagen, Type 10969; L (Ross 1938).  
*Nectopsyche candida* (Hagen), *Setodes*, 5: Type 10972; L (Ross 1938).  
*Nectopsyche coloradensis* (Banks), *Leptocella*, 2: Type 11582; L, La (Ross 1938).  
*Nectopsyche cubana* (Banks), *Leptocella*, M.C.Z.Type 22671, 2P; L (Flint 1967).  
*Nectopsyche diarina* (Ross), *Leptocella*, M.C.Z.Paratype 26839.  
*Nectopsyche diminuta* (Banks), *Leptocella*, 7: Type 10900; L (Flint 1967).  
*Nectopsyche dorsalis* (Banks), *Leptocella*, Type 11809.  
*Nectopsyche exquisita* (Walker), *Leptocerus*.  
*Nectopsyche flavofasciata* (Ulmer), *Leptocella*.  
*Leptocella sparsa* Banks, 4: Type 10899; L (Flint 1967).  
*Nectopsyche gemmoides* Flint, P.  
*Nectopsyche gracilis* (Banks 1901), *Leptocella*, Type 11810.  
*Leptocella exilis* Banks, n.nov. for *L. gracilis* Banks 1904, preoccupied by Banks 1901, Type 11579.  
*Leptocella intervena* Banks, Type 11578, [cf. "L of texana"].  
*Nectopsyche jenseni* (Ulmer), *Leptocella*, C: Type 11796.  
*Nectopsyche maculata* (Banks), *Leptocella*, Type 11758.  
*Nectopsyche minuta* (Banks), *Leptocella*, 4: Type 11581; L, 2<sup>nd</sup>A (Ross 1938).  
*Nectopsyche muelleri* (Ulmer), *Leptocella*.  
*Nectopsyche muhni* (Navás), *Leptocella*.  
*Nectopsyche nivea* (Navás), *Leptocella*.  
*Nectopsyche pavidata* (Hagen), *Setodes*, Type 10970; L (Ross 1938).  
*Nectopsyche pretiosella* (Banks), *Setodes*, Type 14832.  
*Nectopsyche punctata* (Ulmer), *Leptocella*.  
*Leptocella fenestrata* Banks, Type 11781.  
*Nectopsyche quatuorguttata* (Navás), *Leptocella*.  
*Nectopsyche separata* (Banks), *Leptocella*, 3: Type 10898; L (Flint 1967).  
*Nectopsyche spiloma* (Ross), *Leptocella*, M.C.Z.Paratype 26840.  
*Nectopsyche splendida* (Navás), *Leptocella*.  
*Nectopsyche stigmatica* (Banks), *Leptocella*, 2: Type 11583; L (Ross 1938).  
*Nectopsyche tavana* (Ross), *Leptocella*, M.C.Z.Paratype 26841.  
*Nectopsyche texana* (Banks), *Leptocella*, Type 11580; ["L of texana" by Ross (1938) is invalid because he mistakenly selected a syntype of *intervenata* (Flint 1966)].  
*Oecetina hemerobioides* (McLachlan), *Setodes*.  
*Oecetina pulchella* Banks, M.C.Z.Type 22044, 2P.  
*Oecetis amazonica* (Banks), *Oecetina*, 5: Type 14830; L (Flint 1967).  
*Oecetis angusta* (Banks), *Oecetina*, 3: Type 10887.  
*Oecetis australis* (Banks), *Oecetina*, [Type 10916 in ANIC (Neboiss 1983)].  
*Oecetis apicipennis* (Banks), *Setodes*, Type 11775.  
*Oecetis avara* (Banks), *Setodes*, Type 11553, det. Manuel.  
*Oecetis biramosa* Martynov, det. Schmid.  
*Oecetis ceylanica* Ulmer, det. Schmid.  
*Oecetis cinerascens* (Hagen), *Setodes*, Type 10971; L (Ross 1938).  
*Oecetina floridana* Banks, 3: Type 11555; L (Ross 1938).  
*Oecetina fumosa* Banks, Type 11556; L (Ross 1938).  
*Oecetis claggi* Banks, M.C.Z.Type 22055, P.  
*Oecetis daytona* Ross, etoh.  
*Oecetis disjuncta* (Banks), *Oecetina*, Type 10915; L (Ross 1938).  
*Oecetis excisa* Ulmer.  
*Oecetis furva* (Rambur), *Mystacida*, det. Morse.  
*Oecetis iguazu* Flint, 2P.  
*Oecetis immobilis* (Hagen), *Setodes*, Type 10977; L (Ross 1938).  
*Oecetis inconspicua* (Walker), *Leptocerus*, det. Manuel, etoh.  
*Oecetina apicalis* Banks, Type 11558.  
*Oecetina antillana* Banks, M.C.Z.Type 22670, 12P; L (Flint 1967).  
*Setodes flaveolata* Hagen, 3: Type 10978; L (Ross 1938).  
*Oecetina flavida* Banks, 5: Type 11557; L, La (Ross 1938).  
*Oecetina inornata* Banks, Type 11559.  
*Setodes micans* Hagen, 6: Type 10973; L, La (Ross 1938).  
*Oecetina parvula* Banks, 10: Type 11554; L (Ross 1938).  
*Setodes sagitta* Hagen, Type 10975; L (Ross 1938).  
*Oecetis insignis* (Banks), *Oecetina*, Type 11559.  
*Oecetis intima* McLachlan, det. Mosely.  
*Oecetis lacustris* (Pictet), *Mystacida*, det. Morse.  
*Oecetis lais* (Hagen), *Setodes*, Type 10981.  
*Oecetis lanuginosa* (McLachlan), *Setodes*.  
*Oecetis notata* (Rambur), *Mystacida*, C: Type 10979.  
*Oecetis scala* Milne, M.C.Z.Type 19563.  
*Oecetis ochracea* (Curtis), *Leptocerus*.  
*Mystacida obsoleta* Rambur, Cotype M.C.Z.22180, det. Morse.  
*Oecetis ochracea carri* Milne, M.C.Z.Holotype 19562, 9P.  
*Oecetis osteni* Milne, M.C.Z.Holotype 19561, 33P, det. Manuel.  
*Oecetis persimilis* (Banks), *Oecetina*, 3: Type 11552; L, La (Ross 1938), [L & La in copula].  
*Oecetis peruviana* (Banks), *Oecetina*, 11: Type 14831; L (Flint 1967).  
*Oecetis pilosa* Banks, M.C.Z.Type 22057, P.  
*Oecetis pretiosa* (Banks), *Oecetina*, Type 11762.  
*Oecetis punctata* (Navás), *Oecetina*.  
*Oecetis punctipennis* (Ulmer) *Pseudosetodes*.  
*Oecetina parishi* Banks, Type 11788.  
*Oecetis separata* Banks, M.C.Z.Type 22056.  
*Oecetis testacea* (Curtis), *Leptocerus*, ples, det. Morse.  
*Oecetis tripunctata* (Fabricius), *Phryganea*.  
*Setodes punctatella* Rambur, 2C: Type 10980.  
*Oecetis unicolor* (McLachlan), *Setodes*, det. Tillyard.  
*Parasetodes maculata* Banks.  
*Leptocella bakeri* Banks, Type 11773.  
*Setodellina mahadeva* (Banks), *Oecetina*, Type 11766.  
*Setodellina punctatissima* Schmid, M.C.Z.Paratype 29656.  
*Setodes argentiferus* McLachlan.  
*Setodes argentipunctellus* McLachlan, det. Mosely.  
*Setodes abhrayita* Schmid.  
*Setodes akchepana* Schmid, P.  
*Setodes apinchanga* Schmid, P.  
*Setodes arenatus* Holzenthal 1982, P etoh.  
*Setodes argentatus* Matsumura.  
*Setodes aureomicans* Schmid, M.C.Z.Holotype 33276.  
*Setodes chandravarana* Schmid, P.  
*Setodes divyarupa* Schmid, P.  
*Setodes dixiensis* Holzenthal 1982, P etoh.  
*Setodes flavipennis* Banks, P: M.C.Z.Type 22053.  
*Setodes guttatus* (Banks), *Oecetina*, Type 11560; det. Holzenthal.  
*Setodes incertus* (Walker), *Leptocerus*, det. Holzenthal.  
*Setodes autumnalis* Banks, Type 11565.  
*Setodes vernalis* Banks, Type 11566, det. Holzenthal.  
*Setodes inlensis* Martynov, det. Schmid.  
*Setodes iris* Hagen, 4: Type 10986.  
*Setodes kadrava* Schmid, P.  
*Setodes lineatus* Banks, Type 11763.  
*Setodes madhuvarna* Schmid, P.  
*Setodes monicae* Schmid, P.  
*Setodes oligius* (Ross), *Leptocerus*, det. Holzenthal.  
*Setodes pellucidulus* Schmid, M.C.Z.Holotype 33275, A.  
*Setodes punctatus* (Fabricius), *Phryganea*, det. Hagen.  
*Setodes spinosellus* Ulmer.  
*Setodes stehri* (Ross), *Leptocerus*, M.C.Z.Paratype 26846.  
*Setodes subhachita* Schmid, P.  
*Setodes terminalis* Banks, Type 10884.  
*Setodes turbatus* (Navás), *Oecetis*.  
*Setodes viridis* (Fourcroy), *Phryganea*.  
*Setodes uttamavarna* Schmid, P.  
*Setodes vratachakora* Schmid, P.  
*Setodina parva* Banks, 3: Type 11562; L (Ross 1938).  
*Symphitoneuria wheeleri* Banks, [M.C.Z.Type 22078 in ANIC (Neboiss 1983)].  
*Tagalopsyche sisyrroides* Banks, Type 11776.  
*Trienodes abus* Milne, det. Manuel.  
*Trienodes bicolor* (Curtis), *Leptocerus*, det. Manuel.  
*Trienodes boettcheri* Ulmer.  
*Trienodes borealis* Banks, Type 11586; L (Ross 1938), [1 syntype of *borealis* is *flavescens*, det. Manuel].  
*Trienodes cloe* (Hagen), *Setodes*, 3: Type 10987.  
*Trienodes delicatus* Navás.  
*Trienodes dipsius* Ross, det. Manuel.  
*Trienodes dubius* Mosely.  
*Trienodes flavescens* Banks, 4: Type 11588; L (Ross 1938), [cf. *borealis*].  
*Trienodes fulvus* Navás.  
*Trienodes furcellus* Ross, det. Manuel.  
*Trienodes gazella* (Hagen), *Setodes*, 3: Type 10983.  
*Trienodes helo* Milne, Type 10974.  
*Trienodes ignitus* (Walker), *Leptocerus*, det. Manuel.  
*Trienodes dentatus* Banks, Type 11589; L (Ross 1938).  
*Trienodes injustus* (Hagen), *Setodes*, Type 10976; L (Ross 1938), det. Manuel.  
*Trienodes marginatus* Sibley, det. Manuel.  
*Trienodes manni* Banks, M.C.Z.Type 22043, 4P.  
*Trienodes nox* Ross, det. Manuel.  
*Trienodes ochraceus* (Betten & Mosely), *Trienodella*, det. Manuel.  
*Trienodes ornatus* Ulmer.  
*Trienodes palpalis* Banks, Type 10895.  
*Trienodes tardus* Milne, as ssp. of *marginata*, M.C.Z.Type 19547, 5P; etoh.  
*Trienodes mephitus* Milne, M.C.Z.Type 22384.  
*Trichosetodes insularis* Schmid, M.C.Z.Holotype 33277.

- Trichosetodes meghawanabaya* Schmid, M.C.Z.Paratype 29657.  
*Triplectides australicus* Banks, [M.C.Z.Type 22080 & 2P in ANIC (Neboiss 1983)].  
*Triplectides elongatus* Banks, [M.C.Z.Type 22079 & P in ANIC (Neboiss 1983)].  
*Triplectides griseus* (Banks), *Notanatoica*, Type 14821, [MCZ type missing], [type present at NMNH, pers. comm. J.C.Morsel].  
*Triplectides parvus* (Banks), *Notanatoica*, [M.C.Z.Type 22077 & P in ANIC (Neboiss 1983)].  
*Ylodes frontalis* (Banks), *Triaenodes*, Type 11587, 2<sup>nd</sup>A (Ross 1938), det. Manuel.  
*Ylodes reuteri* (McLachlan), *Triaenodes*, det. Manuel.  
*Triaenodes griseus* Banks, 2: Type 11585; L, 2<sup>nd</sup>A (Ross 1938).
- GOERIDAE ULMER**  
*Goera calcarata* Banks, Type 11707, 2<sup>nd</sup>A (Carpenter 1933).  
*Goera disparilis* Banks, M.C.Z.Type 22048, P.  
*Goera fijiana* Banks, Type 14819.  
*Goera fuscata* Banks, C: Type 11708.  
*Goera japonica* Banks, Type 11831.  
*Goera mustellina* (Hagen), *Mormonia*, 3: Type 10944.  
*Goera octospina* Banks, Type 10883.  
*Goera parvula* Martynov, M.C.Z.Paratype 22701.  
*Goera pilosa* (Fabricius), *Phryganea*.  
*Lasiostoma fulvum* Rambur, Cotype M.C.Z.22175.  
*Goera tagalica* Banks, Type 16417.  
*Goera uniformis* Banks, Type 16470.  
*Goera vulpina* (Hagen), *Mormonia*, 3: Type 10945; L [on 2 slides] (Mosely 1938).  
*Goerita semata* Ross, M.C.Z.Paratype 23571 etoh.  
*Lithax incanus* (Hagen), *Silo*, 2: Type 10949.  
*Lithax niger* (Hagen), *Silo*, 4: Type 10947.  
*Lithax obscurus* (Hagen), *Silo*, Type 10948.  
*Silo alupkensis* Martynov.  
*Silo duplex* Hagen, Type 10950.  
*Silo nigricornis* (Pictet), *Trichostoma*.  
*Silo pallipes* (Fabricius), *Phryganea*.  
*Silo piceus* (Brauer), *Aspatherium*.  
*Silo proximus* Martynov.  
*Silonella aurata* (Hagen), *Silo*, Type 10952, det. Weaver.
- LIMNEPHILIDAE KOLENATI**  
**APATANIINAE WALLENGREN**  
*Apatania bellicosa* (Martynov), *Baicalina*, det. Weaver.  
*Apatania copiosa* (McLachlan), *Apatidea*.  
*Apatania fimbriata* (Pictet), *Phryganea*, Cotype M.C.Z.22171.  
*Apatania incerta* (Banks), *Enoicyla*, 3: Type 11681; L, La (Ross 1938).  
*Apatania majuscula* McLachlan, ples.  
*Apatania muliebris* McLachlan, 2C: Type 10754.  
*Apatania shoshone* Banks, 3: Type 14850; L, La (Ross 1938).  
*Apatania stigmatella* (Zetterstedt), *Phryganea*, etoh.  
*Apatania subtilis* Martynov, 2C: Type 11295.  
*Apatania wallengreni* McLachlan, 2C: Type 10753.  
*Apatania zonella* (Zetterstedt), *Phryganea*.  
*Moropsyche parvula* Banks, Type 11829.  
*Radema bellicosum* (Martynov), *Baicalina*, C: Type 11288.  
*Radema foliatum* (Martynov), *Baicalina*, C: Type 11289.  
*Radema infernale* Hagen, Type 10755.  
*Thamastes dipterus* Hagen, 4: Type 10751.
- DICOSMOECINAE SCHMID**  
*Allocosmoecus partitus* Banks, Type M.C.Z.25760.  
*Allomyia acanthis* (Ross), *Imania*, 2: M.C.Z.Paratype 28443.  
*Allomyia bifosa* (Ross), *Imania*, Holotype [also labeled: M.C.Z.Paratype 28444], 2P.  
*Allomyia renoa* (Milne), *Algonquina*, M.C.Z.Type 20126, 3P.  
*Allomyia tripunctata* (Banks), *Apatania*.  
*Cryptochia pilosa* (Banks), *Parachiona*, M.C.Z.Type 11668, det. Ross.  
*Dicosmoecus atripes* (Hagen), *Platyphylax*, Type 10701; L (Ross 1938); etoh.  
*Dicosmoecus jucundus* Banks, M.C.Z.Type 25887, 4P; [P at ANSP].  
*Dicosmoecus nigrescens* Banks, M.C.Z.Type 25830, P.  
*Dicosmoecus gilvipes* (Hagen), *Stenophylax*, 2: Type 10706; L (Ross 1938).  
*Dicosmoecus grandis* Ulmer.  
*Dicosmoecus obscuripennis* Banks, M.C.Z.Type 22658.  
*Dicosmoecus palatus* (McLachlan), *Stenophylax*.  
*Dicosmoecus pallicornis* Banks, M.C.Z.Type 25829; [P at ANSP].  
*Ecclisocosmoecus scylla* (Milne), *Ecclisomyia*, M.C.Z.Paratype 20130.  
*Ecclisomyia conspersa* Banks, Type 11679.  
*Ecclisomyia maculosa* Banks, Type 11680; L, 2<sup>nd</sup>A (Ross 1938); etoh.  
*Ecclisomyia simulata* Banks, Type 10876.  
*Eocosmoecus frontalis* (Banks), *Drusinus*, M.C.Z.Type 25839.
- Evanophanes insignis* Banks.  
*Ironoquia lyrata* (Ross), *Carborius*.  
*Ironoquia parvula* (Banks), *Chaetopterygopsis*, Type 11639.  
*Ironoquia punctatissima* (Walker), *Halesus*.  
*Magellomyia appendiculata* (Ulmer), *Stenophylax*, det. Mosely.  
*Algonquina chilensis* Banks, Type 10869.  
*Magellomyia moesta* Banks, Type 10867.  
*Magellomyia capillata* (Ulmer), *Limnophilus*,  
*Ironoquia australis* Banks, Type 10868; L (Flint 1967).  
*Monocosmoecus vanderweelii* Ulmer, C: Type 11789.  
*Nothopsyche pallipes* Banks, Type 11828.  
*Nothopsyche ruficollis* (Ulmer), *Chilostigma*.  
*Onocosmoecus unicolor* (Banks), *Anabolia*, Type 11633.  
*Dicosmoecus alascensis* Banks, M.C.Z.Type 25831, P.  
*Dicosmoecus coloradensis* Ulmer.  
*Dicosmoecus occidentis* Banks, M.C.Z.Type 25832, 11P.  
*Anabolia quadrinotatus* Banks, Type 11675.  
*Asynarchus tristis* Banks, 3: Type 11634; L & La (Ross 1938) [L by Ross absent], new L (Wiggins & Richardson 1986)].
- DRUSINAE BANKS**  
*Anomalopterygella chauviniana* (Stein), *Anomalopteryx*, 4: Type 10750.  
*Cryptothrix nebulicola* McLachlan, C: Type 10743.  
*Drusus alpinus* (Meyer-Dür), *Halesus*, det. Mosely.  
*Drusus annulatus* (Stephens), *Anabolia*, ples.  
*Drusus biguttatus* (Pictet), *Phryganea*.  
*Drusus brunneus* Klapálek.  
*Drusus chrysotus* (Rambur), *Limnephila*.  
*Drusus destitutus* (Kolenati), *Stathmophorus*, dry larvae.  
*Drusus discolor* (Rambur), *Limnephila*, Cotype M.C.Z.22164.  
*Drusus melanchaetes* McLachlan.  
*Drusus mixtus* (Pictet), *Phryganea*, C: Type 10691.  
*Drusus moticola* McLachlan.  
*Drusus muelleri* McLachlan, det. Schmid.  
*Drusus nigrescens* Meyer-Dür.  
*Drusus rectus* McLachlan.  
*Drusus rectus nigrorectus* Mosely, 2: M.C.Z.Patotype 22453.  
*Drusus tenellus* (Klapálek), *Catadice*.  
*Drusus trifidus* McLachlan.  
*Ecclisopteryx dalecarlica* Kolenati.  
*Ecclisopteryx dziedzielewiczi* Klapálek.  
*Ecclisopteryx guttulata* (Pictet) *Phryganea*, Cotype M.C.Z.22165.  
*Ecclisopteryx madida* (McLachlan), *Halesus*.  
*Metanoea flavipennis* (Pictet), *Phryganea*, C: Type 10696.
- LIMNEPHILINAE KOLENATI**  
*Acrophylax zerberus* Brauer, C: Type 10707.  
*Allogamus auricollis* (Pictet), *Phryganea*, ples.  
*Allogamus hiliaris* (McLachlan), *Halesus*.  
*Allogamus lignonifer* (McLachlan), *Halesus*, C: Type 10694.  
*Allogamus mendax* (McLachlan), *Halesus*, det. Schmid.  
*Allogamus uncatatus* (Brauer), *Halesus*.  
*Anabolia bimaculata* (Walker), *Limnephilus*, etoh.  
*Anabolia brevipennis* (Curtis), *Limnephilus*, etoh.  
*Anabolia concentrica* (Zetterstedt), *Phryganea*.  
*Arctoecia dualis* McLachlan, C: Type 10709.  
*Anabolia consocia* (Walker), *Goniotaulius*.  
*Colpotaulius medialis* Banks, 3: Type 11656; L, La (Ross 1938).  
*Anabolia furcata* Brauer, C: Type 10714.  
*Anabolia lombarda* Ris, det. Mosely.  
*Anabolia nervosa* (Curtis), *Limnephilus*.  
*Anabolia nervosa* var. *excisa* McLachlan, Type 14897.  
*Anabolia ozburni* (Milne), *Arctoecia*, M.C.Z.Type 20121, 2P.  
*Anabolia sordida* Hagen, Type 10710; L (Ross 1938).  
*Anabolia longicercus* Denning, M.C.Z.Paratype 25860.  
*Anabolia soror* McLachlan, C: Type 10712.  
*Anavolia sororcula* McLachlan, 2C: Type 10713.  
*Anabolia subquadrata* Martynov, det. Mosely.  
*Anisogamus difformis* (McLachlan), *Stenophylax*, 2C: Type 10708.  
*Anisogamus noricanus* McLachlan.  
*Annitella chomiensis* (Dziedzielewicz), *Heliconis*.  
*Annitella kosciuszki* Klapálek.  
*Annitella obscurata* (McLachlan), *Chaetopteryx*, C: Type 10749.  
*Annitella thuringica* (Ulmer), *Heliconis*.  
*Arctopora pulchella* (Banks), *Limnephilus*, 4: Type 11626; L, La (Ross 1938).  
*Arctopora trimaculata* (Zetterstedt), *Phryganea*.  
*Asynarchus amurensis* (Ulmer), *Limnophilus*, det. Schmid.  
*Asynarchus iteratus* McLachlan.  
*Anabolia emarginata* Banks, P: Type 11682.  
*Asynarchus lapponicus* (Zetterstedt), *Phryganea*.  
*Stenophylax fusorius* McLachlan, C: Type 10704.  
*Anabolia modesta* Hagen, Type 10711; L (Ross 1938), [without abdomen].  
*Asynarchus montanus* (Banks), *Anabolia*, 3: Type 11661; L (Ross 1938).  
*Anabolia curta* Banks, 3: Type 10874; L, La (Ross 1938).  
*Limnephilus conerus* Ross, 4: M.C.Z.Paratype 28445.

- Asynarchus mutatus* (Hagen), *Halesus*, Type 10688; L, 2<sup>nd</sup>A (Ross 1938).
- Asynarchus nigriculus* (Banks), *Anabolia*, 2: Type 11664; L (Ross 1938); etoh.
- Asynarchus pacificus* (Banks), *Stenopsyche*, 4: Type 11663; L, La (Ross 1938).  
*Limnephilus nepus* Ross [unnecessary new name proposed by Ross (1938), for *A. pacificus*].
- Asynarchus planifrons* (Kolenati), *Desmotaulius*.
- Asynarchus simplex* Banks.
- Chaetopterygopsis maclachlani* Stein.
- Chaetopteryxopsis maclachlani* zaitzevi Martynov, C: Type 11292.
- Chaetopteryx clara* McLachlan, C: Type 10748.
- Chaetopteryx fusca* Brauer, C: Type 10747.
- Chaetopteryx major* McLachlan.
- Chaetopteryx sahlbergi* McLachlan.
- Chaetopteryx villosa* (Fabricius), *Phryganea*.  
*Phryganea tuberculosa* Pictet, Cotype M.C.Z.22167.
- Chilostigma sieboldi* McLachlan, C: Type 10744.
- Chilostigmodes areolatus* (Walker), *Limnephilus*.
- Chyranda centralis* (Banks), *Asynarchus*, 2: Type 11670; L (Ross 1938); etoh.  
*Asynarchus pallidus* Banks, 3: Type 11671; L (Ross 1938).  
*Parachiona signata* Banks, Type 11667.
- Clistoronia flavicollis* (Banks), *Asynarchus*.
- Clistoronia formosa* (Banks), *Halesus*, Type 11654.
- Clistoronia maculata* (Banks), *Dicosmoecus*, 2: Type 11653; L, La (Ross 1938).
- Clistoronia magnifica* (Banks), *Halesus*, Type 11655.
- Clostoea disjuncta* (Banks), *Anisogamus*, 4: Type 11673; L, La (Ross 1938); [C at ANSP].  
*Clostoea sperryae* Banks, M.C.Z.Type 25821, P.
- Conosorophylax montivagus* (McLachlan), *Stenophylax*.
- Enoicyla pusilla* (Burmeister), *Limnephilus*.  
*Dromophila montana* Hagen, 2: Type 10752.  
*Enoicyla sylvatica* Rambur, 2: Cotype M.C.Z.22168.
- Enoicyla reichenbachii* (Kolenati), *Ptyopteryx*.
- Frenesia difficilis* (Walker), *Limnephilus*.  
*Chilostigma pallida* Banks, Type 11665.
- Frenesia missa* (Milne), *Chilostigma*, 2: M.C.Z.Type 20149, 22P.
- Glyphopsyche irrorata* (Fabricius), *Phryganea*.  
*Glyphopsyche bryanii* Banks, 2: Type 11640; L, La (Ross 1938).  
*Limnephilus intercisus* Walker, C: Type 10745.
- Glyphopsyche missouri* Ross, 2: M.C.Z.Paratype 26842.
- Glyphotaelius pellucidus* (Retzius), *Phryganea*.
- Grammotaulius bettenii* Hill-Griffin.
- Grammotaulius interrogatoris* (Zetterstedt), *Phryganea*.  
*Grammotaulius praecox* Hagen, 2: Type 10732; L, La (Ross 1938).
- Grammotaulius lorettae* Denning.
- Grammotaulius nigropunctatus* (Retzius), *Phryganea*.
- Grammotaulius nitidus* (Müller), *Phryganea*.
- Grammotaulius sibiricus* McLachlan, det. Mosely.
- Grammotaulius submaculatus* (Rambur), *Limnephila*, C: Type 10725.
- Grensia praeterita* (Walker), *Limnephilus*, C: Type 10746.
- Halesus digitatus* (Schränk), *Phryganea*.
- Halesus interpunctatus* (Zetterstedt), *Phryganea*, dry larvae.
- Halesus radiatus* (Curtis), *Limnephilus*.
- Halesus ruficollis* (Pictet), *Phryganea*, C: Type 10692.
- Halesus ruficollis melanoholicus* McLachlan, C: Type 10693.
- Halesus tessellatus* (Rambur), *Limnephila*.
- Helesochila taylori* (Banks), *Halesus*, 3: Type 11666; L (Ross 1938).
- Hesperophylax alaskensis* (Banks 1908), *Platyphylax*, 3: Type 11647, L (Ross 1938).
- Hesperophylax consimilis* (Banks), *Limnephilus*, 2: Type 11612; L, La (Ross 1938).
- Hesperophylax designatus* (Walker), *Limnephilus*, C: Type 10699, [cf. *magnus*].  
*Hesperophylax incisus* Banks, M.C.Z.Type 25761, 14P.
- Hesperophylax designatus* var. *isolatus* Banks, M.C.Z.Type 25846, P.
- Hesperophylax magnus* Banks, 4: Type 10075; L, La (Ross 1938), etoh, [♀ La and 2♀ syntypes are actually *designatus* (Banks 1943)]; [Type assigned new catalogue no., 33511].
- Hesperophylax occidentalis* (Banks), *Platyphylax*, 6: Type 11646; L, La (Ross 1938); etoh.
- Hydatophylax argus* (Harris), *Phryganea*, [Type in Harris coll.].
- Hydatophylax grammicus* (McLachlan), *Stenophylax*.
- Hydatophylax hesperus* (Banks), *Stenophylax*, Type 11652.
- Hydatophylax infumatus* (McLachlan), *Stenophylax*, C: Type 10705.
- Hydatophylax magnus* (Martynov), *Stenophylax*, C: Type 11290.
- Hydatophylax nigrovittatus* (McLachlan), *Platyphylax*, C: Type 10698.
- Hydatophylax variabilis* (Martynov), *Platyphylax*, C: Type 11291.
- Hydatophylax victor* Banks, 3: M.C.Z.Paratype 28499.
- Isogamus aequalis* (Kapálek), *Asisogamus*.
- Lenarchus brevipennis* (Banks), *Stenophylax*, 2: Type 11662 L (Ross 1938).
- Lenarchus crassus* (Banks), *Limnephilus*, Type 10871.
- Lenarchus gravidus* (Hagen), *Limnephilus*, Type 10723; L (Ross 1938).  
*Limnephilius rotundatus* Banks, Type 10070.
- Lenarchus keratus* (Ross), *Limnephilus*, 2: topo.
- Lenarchus rho* (Milne), *Limnephilus*, 2: M.C.Z.Type 20127, 2P.
- Lenarchus rillus* (Milne), *Limnephilus*, M.C.Z.Type 20128.
- Lenarchus vastus* (Hagen), *Limnephilus*, Type 10724; L (Ross 1938).  
*Limnephilus intermedius* Banks, M.C.Z.Type 10071, P.
- Leptophylax gracilis* Banks, 2: Type 11637; L (Ross 1938).
- Limnephilus abbreviatus* Banks, 2: Type 11625; L, La (Ross 1938), etoh.
- Limnephilus affinis* Curtis, ples.
- Limnephilus argenteus* Banks, Type 11618; 2<sup>nd</sup>A (Ross 1938).
- Limnephilus assimilis* (Banks), *Anabolia*, 3: Type 11648; L, La (Ross 1938).
- Limnephilus auricula* Curtis.  
*Limnephila guttata* Rambur, Cotype M.C.Z.22160.
- Limnephilus bifidus* Banks, 2: Type 11627; L (Ross 1938).
- Limnephilus binotatus* Curtis.
- Limnephilus bipunctatus* Curtis, ples.  
*Limnephila obscura* Rambur, C: Type 10717.  
*Limnephilus tuberculatus* Brauer, C: Type 10716.
- Limnephilus borealis* (Zetterstedt), *Phryganea*, 2: ples.
- Limnephilus borealis mutabilis* Martynov, *Limnephilus*, C: Type 11286.
- Limnephilus canadensis* Banks, 2: Type 11619; L (Ross 1938).
- Limnephilus centralis* Curtis.
- Limnephilus cockerelli* Banks, *Limnephilus*, 2: Type 11613; L, 2<sup>nd</sup>A (Ross 1938), det. Ruiter.
- Limnephilus coenosus* Curtis, ples.
- Limnephilus coloradensis* (Banks), *Goniotaulius*, 2: Type 11621; L (Ross 1938); etoh.
- Limnephilus concolor* Banks, 2: Type 11611; L, La (Ross 1938), det. Flint.
- Limnephilus discolor* (Banks), *Platyphylax*, Type 11817.
- Limnephilus dispar* McLachlan, *Limnephilus*.  
*Stenophylax minusculus* (Banks), Type 11678.
- Limnephilus diversus* (Banks), *Anabolina*, 2: Type 11649; L, La (Ross 1938).
- Limnephilus elongatus* Banks, 2: Type 10870; L, La (Ross 1938).
- Limnephilus externus* Hagen, *Limnephilus*, Type 10727; L (Ross 1938); etoh, det. Ruiter..  
*Limnephilus congener* McLachlan, 2C: Type 10729.
- Limnephilus flavastellus* Banks, 2: Type 10072; L, La (Ross 1938).
- Limnephilus luteolus* Banks, Type 11609.
- Limnephilus oslari* Banks, 2: Type 11632; L (Ross 1938); etoh.
- Limnephilus extricatus* McLachlan.
- Limnephilus femoralis* Kirby.
- Limnephilus femoratus* (Zetterstedt), *Phryganea*, Cotype M.C.Z.22157.
- Limnephilus flavicornis* (Fabricius), *Phryganea*, ples.
- Limnephilus fumosus* (Banks), *Asynarchus*, M.C.Z.Paratype 23408.
- Limnephilus fuscicornis* Rambur *Limnephila*, Cotype M.C.Z.22159.
- Limnephilus fuscinervis* (Zetterstedt), *Phryganea*.
- Limnephilus fuscinervis* var. *nigrosignatus* Martynov, C: Type 11287.
- Limnephilus fuscovittatus* Mutsumura, *Limnephilus*.  
*Limnephilus subfuscus* Ulmer, C: Type 11846.
- Limnephilus germanus* McLachlan, *Limnephilus*, 4C: Type 10726.
- Limnephilus griseus* (Linnaeus), *Phryganea*, ples.  
*Limnephila variegata* Rambur, C: Type 10718.
- Limnephilus hageni* Banks, 5: Type 16316; L, La (Ross 1938).
- Limnephilus harrimani* Banks.  
*Limnephilus aequalis* Banks, 2: Type 11624; L (Ross 1938).
- Limnephilus hirsutus* (Pictet), *Phryganea*, C: Type 10715; 2: ples.
- Limnephilus hyalinus* Hagen, *Limnephilus*, Type 10722; L (Ross 1938).
- Limnephilus ignavus* McLachlan.
- Limnephilus incisus* Curtis.  
*Limnephila striolata* Rambur, C: Type 10733.
- Limnephilus indivisus* Walker.
- Limnephilus infernalis* (Banks), *Anisogamus*, Type 11674; etoh.
- Limnephilus janus* Ross, n.nov. for *Colpotaulius minusculus* Banks, 2: Type 14842; L, La (Ross 1938).
- Limnephilus kennicotti* Banks, Type 10872.
- Limnephilus lithus* (Milne), *Anabolia*, 20120 M.C.Z.Holotype, A, 4P.
- Limnephilus lopho* Ross, P etoh.
- Limnephilus lunatus* Curtis, 3: ples.
- Limnephilus luridus* Curtis.
- Limnephilus marmoratus* Curtis.  
*Limnephila vitrea* Rambur, Cotype M.C.Z.22156.

- Limnephilus marmoratus* var. *nobilis* (Kolenati), *Chaetotaulius*.  
*Limnephilus miser* McLachlan, *Limnophilus*.  
*Limnephilus moestus* Banks, 5: Type 11629; L, La (Ross 1938).  
*Limnephilus morrisoni* Banks, 2: Type 10873; L, La (Ross 1938).  
*Limnephilus nigriceps* (Zetterstedt), *Phryganea*, ples.  
*Limnephilus forcipatus* Banks, Type 14843.  
*Limnephilus nogus* Ross, M.C.Z.Paratype 26844.  
*Limnephilus occidentalis* Banks, 9: Type 11620; L, La (Ross 1938).  
*Limnephilus ornatus* Banks, Type 11628.  
*Limnephilus pacificus* Banks, 4: Type 11610; L (Ross 1938).  
*Limnephilus pallens* (Banks), *Zaporota*, 2: Type 10878; L (Ross 1938).  
*Limnephilus pantodapus* McLachlan, *Limnophilus*.  
*Limnephilus partitus* (Walker), *Goniotaulius*.  
*Limnephilus adustus* Banks, Type 10879.  
*Limnephilus parvulus* (Banks), *Stenopsyche*, Type 11669.  
*Apolopsyche pallida* Banks, *Limnephilus*, 2: Type 14849; L (Ross 1938).  
*Limnephilus roberti* Banks, 3: Type 16318; L, La (Ross 1938).  
*Limnephilus perjurus* Hagen, *Limnophilus*, Type 10721; L (Ross 1938).  
*Limnephilus perpallidus* Walker.  
*Colpotaulius rhaeus* Milne, 3: M.C.Z.Paratype 20125.  
*Limnephilus picturatus* McLachlan, *Limnophilus*.  
*Limnephilus clausus* Banks, 4: Type 14844; L, La (Ross 1938); etoh.  
*Limnephilus kincaidi* Banks.  
*Limnephilus plaga* Walker.  
*Limnephilus politus* McLachlan, ples.  
*Limnephilus productus* Banks, Type 11615; etoh.  
*Limnephilus rhombicus* (Linnaeus), *Phryganea*.  
*Limnephilus rohweri* Banks, Type 11614.  
*Limnephilus sackeni* Banks, Type 16317.  
*Limnephilus sansoni* Banks, 2: Type 10069; L, La (Ross 1938), etoh.  
*Limnephilus secludens* Banks, 2: Type 11623; L (Ross 1938).  
*Limnephilus sericeus* (Say), *Phryganea*, ples.  
*Anabolia decepta* Banks, Type 11660.  
*Limnephilus sparsus* Curtis.  
*Limnephilus fuscata* Rambur, Cotype M.C.Z.22161.  
*Limnephilus sperryi* (Banks), *Rhadicoleptus*, M.C.Z.Type 25757, [type missing].  
*Limnephilus spinatus* Banks, 2: Type 11617; L, La (Ross 1938), etoh.  
*Limnephilus stigma* Curtis.  
*Limnephilus impura* Rambur, C: Type 10728.  
*Goniotaulius stigmaticus* Kolenati, 2: Cotype M.C.Z.22158.  
*Limnephilus subcentralis* Brauer, *Limnophilus*, 2: M.C.Z.Type 22169 [types are probably cotypes].  
*Limnephilus sublanatus* Provancher, *Limnophilus*.  
*Limnephilus americanus* Banks, 2: Type 11631; L (Ross 1938).  
*Limnephilus macgillivrayi* Banks, Type 11622.  
*Limnephilus submonilifer* (Walker), *Goniotaulius*.  
*Limnephilus pudicus* Hagen, 2: Type 10720; L (Ross 1938).  
*Limnephilus subnitidus* McLachlan, *Limnophilus*.  
*Limnephilus scalenus* Wallengren.  
*Limnephilus tarsalis* (Banks), *Colpotaulius*, 3: Type 10880; L (Ross 1938); etoh.  
*Limnephilus toussiantii* Banks, Type 14868.  
*Limnephilus vittatus* (Fabricius), *Phryganea*, ples.  
*Phryganea elegans* Pictet, C: Type 10719.  
*Melampophylax melampus* (McLachlan), *Halesus*, C: Type 10695.  
*Melampophylax mucoreus* (Hagen), *Halesus*, ples.  
*Melampophylax puncticollis* (Pictet), *Phryganea*, Cotype M.C.Z.22163.  
*Mesophylax aspersus* (Rambur), *Limnephila*, Type 14466.  
*Mesophylax impunctatus* McLachlan, ples.  
*Micropterna fissa* (McLachlan), *Stenophylax*, C: Type 10700.  
*Micropterna lateralis* (Stephens), *Halesus*, ples.  
*Micropterna nycterobia* McLachlan.  
*Micropterna sequax* McLachlan.  
*Micropterna sinensis* (Banks), *Psilopterna*, M.C.Z.Paratype 23448.  
*Micropterna testacea* (Gmelin), *Phryganea*.  
*Nemotaulius admorsus* (McLachlan), *Limnephilus*.  
*Nemotaulius brevilinea* (McLachlan), *Grammataulius*.  
*Nemotaulius hostilis* (Hagen), *Glyphotaelius*, 2: Type 10730; L, La (Ross 1938); etoh.  
*Nemotaulius mutatus* (McLachlan), *Glyphotaelius*.  
*Nemotaulius punctatolineatus* (Retzius), *Phryganea*.  
*Nemotaulius punctatolineatus* var. *frigidus* (Hagen), *Glyphotaelius*, 3: Type 10731.  
*Parachiona picicornis* (Pictet), *Phryganea*, C: Type 22166.  
*Phanocelia canadensis* (Banks), *Apatania*, 2: Type 14851; L (Ross 1938).  
*Philarectus bergrothi* McLachlan.  
*Philarectus quaeris* (Milne), *Colpotaulius*, M.C.Z.Type 20124, A, 6P.  
*Philoscasca antennata* (Banks), *Stenophylax*, Type 11677.  
*Philoscasca demita* Ross.  
*Platycentropus amicus* (Hagen), *Halesus*, Type 10690; L (Ross 1938).  
*Platycentropus plectrus* Ross, M.C.Z.Paratype 23720.  
*Platycentropus indistinctus* (Walker), *Limnephilus*.  
*Hylepsyche fraternus* Banks, 2: M.C.Z.Paratype 25802.  
*Platycentropus radiatus* (Say), *Phryganea*.  
*Halesus hostis* Hagen, 2: Type 10689; L, La (Ross 1938).  
*Platyphylax frauenfeldi* (Brauer), *Einoicyla*.  
*Potamophylax latipennis* (Curtis), *Limnephilus*, 4: ples.  
*Limnephila radiata* Rambur, Cotype M.C.Z.22170.  
*Potamophylax luctuosus* (Filler & Mitterpacher), *Phryganea*.  
*Potamophylax nigricornis* (Pictet), *Phryganea*, ples.  
*Potamophylax rotundipennis* (Brauer), *Anabolia*, 2: M.C.Z. Paratype 22162.  
*Pseudopsilopteryx zimmeri* (McLachlan), *Psilopteryx*.  
*Psychoglypha alascensis* (Banks 1900), *Helesus*.  
*Glyphopsyche ullus* Milne, 3: M.C.Z.Paratype 20123.  
*Psychoglypha bella* (Banks), *Glyphotaelius*, Type 11641; 2<sup>a</sup>A (Ross 1938).  
*Psychoglypha rossi* Schmid, det. Weaver.  
*Psychoglypha subborealis* (Banks), *Chilostigma*, 7: Type 14847; L, La (Ross 1938).  
*Psychoglypha prita* (Milne), *Glyphopsyche*, M.C.Z.Type 20122.  
*Psychoronia brevipennis* (Banks), *Psilopteryx*, Type 11657.  
*Psychoronia costalis* (Banks), *Asynarchus*, 2: Type 11676; L (Ross 1938).  
*Pycnopsyche aglona* Ross, M.C.Z.Paratype 25701.  
*Pycnopsyche antica* (Walker), *Neuronida*.  
*Pycnopsyche circularis* (Provancher), *Platyphylax*.  
*Pycnopsyche conspersa* Banks, Type 25826.  
*Pycnopsyche divergens* (Walker), *Limnephilus*.  
*Pycnopsyche flavata* (Banks), *Stenophylax*, Type 11651.  
*Pycnopsyche gentilis* (McLachlan), *Stenophylax*.  
*Pycnopsyche guttifer* (Walker), *Halesus*.  
*Pycnopsyche similis* Banks, 2: Type 11659; L (Ross 1938).  
*Pycnopsyche indiana* (Ross), *Stenophylax*.  
*Pycnopsyche lepida* (Hagen), *Einoicyla*, Type 10697; L (Ross 1938).  
*Pycnopsyche limbata* (McLachlan), *Stenophylax*.  
*Pycnopsyche luculenta* (Betten), *Stenophylax*.  
*Pycnopsyche minima* Banks, M.C.Z.Type 25825, 3P.  
*Pycnopsyche perplexa* Betten & Mosely, A.  
*Pycnopsyche scabripennis* (Rambur), *Limnephila*, M.C.Z.Cotype 25824.  
*Pycnopsyche sonso* (Milne), *Stenophylax*, M.C.Z.Holotype 20150, A, 3P.  
*Pycnopsyche subfasciata* (Say), *Phryganea*, etoh.  
*Rhadicoleptus alpestris* (Kolenati), *Stenophylax*.  
*Rhadicoleptus spinifer* (McLachlan), *Stenophylax*.  
*Rhadicoleptus ucnorum* (McLachlan), *Stenophylax*, 2C: Type 10703.  
*Stenophylax mitis* McLachlan, C: Type 10702.  
*Stenophylax permistus* McLachlan, 2: ples.  
*Stenophylax vibex* (Curtis), *Limnephilus*.  
*Stenophylax speluncarum* McLachlan.  
**PSEUDOSTENOXYLACINAE SCHMID**  
*Homophylax andax* Ross, M.C.Z.Paratype 25862.  
*Homophylax crotchi* Banks, 2: Type 10877; L (Ross 1938).  
*Homophylax flavipennis* Banks, 2: Type 11635; L, La (Ross 1938).  
*Homophylax nevadensis* Banks, Type 11636.  
*Pseudostenophylax amplus* (McLachlan), *Halesus*.  
*Pseudostenophylax brevis* Banks, M.C.Z.Paratype 23450.  
*Pseudostenophylax difficilis* Martynov, topo.  
*Pseudostenophylax edwardsi* (Banks), *Anisogamus*, 2: Type 10881, L, La (Ross 1938).  
*Anisogamus atripennis* Banks, Type 14846.  
*Pseudostenophylax grahami* Martynov.  
*Pseudostenophylax himalayanus* Martynov, C: Type 16443.  
*Pseudostenophylax hirsutus* Forsslund.  
*Pseudostenophylax monticola* Banks, 4: M.C.Z.Paratype 23451.  
*Pseudostenophylax mimicus* Banks, 2: M.C.Z.Paratype 23449.  
*Pseudostenophylax rufescens* (Martynov), *Platyphylax*.  
*Pseudostenophylax sparsus* (Banks), *Halesus*, Type 11658.  
*Stenophylax calypso* Banks, 2: Type 11672; L (Ross 1938).  
*Pseudostenophylax uniformis* (Betten), *Drusinus*.  
*Pseudostenophylax virginicus* (Banks), *Potamorites*, Type 11638.  
**UENOIDAE IWATA**  
*Neophylax albipunctatus* (Martynov), *Halesinus*.  
*Neophylax atlanta* Ross, P etoh.  
*Neophylax concinnus* McLachlan, etoh, det. Vineyard.  
*Neophylax autumnus* Vorhies, C: Type 11644; etoh.  
*Neophylax consimilis* Betten, det. Vineyard.  
*Neophylax delicatus* Banks, M.C.Z.Type 25842.  
*Neophylax fenestratus* (Banks), *Halesinus*, M.C.Z.Paratype 23447.  
*Neophylax fuscus* Banks, 4: Type 11643; L, La (Ross 1938), det. Vineyard.

*Neophylax mitchelli* Carpenter, M.C.Z.Type 19440, det. Vineyard.  
*Neophylax occidentis* Banks, 2: Type 14848; L (Ross 1938).  
*Acronopsyche pilosa* Banks, 3: Type 16319; L, La (Ross 1938).  
*Neophylax oligius* Ross, det. Vineyard.  
*Neophylax ornatus* Banks, Type 10875.  
*Neophylax rickeri* Milne, 4: M.C.Z.Paratype 20129, det. Vineyard.  
*Neophylax slossonae* Banks, M.C.Z.Type 25841.  
*Neophylax splendens* Denning, det. Vineyard.  
*Neophylax tenuicornis* (Ulmer), *Halesinus*.  
*Neothremma alicia* Dodds & Hisaw, 2: Type 16320; L, La (Ross 1938); etoh.  
*Neothremma didactyla* Ross, P etoh.  
*Oligophlebodes minutus* (Banks), *Halesus*, Type 11642; etoh.  
*Apatania pictula* Banks, M.C.Z.Type 25820.  
*Oligophlebodes sierra* Ross, M.C.Z.Paratype 26843.  
*Oligophlebodes sigma* Milne, 2: M.C.Z.Type 20131, 8P.  
*Thremma gallicum* McLachlan, det. Mosely.  
*Thremma sardoum* Costa, det. Mosely.

## OECONESIDAE TILLYARD

*Oeconesus maori* (McLachlan), *Oeconesus*.  
*Pseudoeconesus mimus* McLachlan.

## LEPIDOSTOMATIDAE ULMER

*Crunoecia irrorata* (Curtis), *Goera*.  
*Crunoeciella orientalis* Tsuda, det. Flint.  
*Dinarthodes albicorne* (Banks) *Crunoecia*, Type 11830; L (Weaver 1985).  
*Dinarthropsis picea* Ulmer.  
*Dinarthodes niger* Banks, Type 11780; L (Weaver 1985).  
*Dinarthrum ferox* McLachlan.  
*Dinarthrum longiplicatum* Martynov.  
*Dinarthrum mesoplicatum* Martynov.  
*Dinarthrum ulmeri* Martynov, topo, det. Weaver.  
*Goerodes abruptus* Banks, Type 16473; L (Weaver 1985).  
*Goerodes apoanus* (Banks), *Goerinella*, M.C.Z.Type 22049, 19P; L (Weaver 1985).  
*Goerodes bicolor* (Banks), *Goerinella*, M.C.Z.Type 22050; L (Weaver 1985).  
*Goerodes corniger* Ulmer, C: Type 11842, det. Flint.  
*Goerodes diehli* Weaver, P.  
*Goerodes flavus* (Ulmer), *Crunoeciella*.  
*Goerodes grandis* (Banks), *Goerinella*, Type 16500; L (Weaver 1985).  
*Goerodes medius* (Banks), *Goerinella*, P: M.C.Z.Type 20183.  
*Goerodes minor* (Banks), *Goerinella*, Type 16418; L (Weaver 1985).  
*Goerodes pendleburyi* Weaver, Holotype 33356.  
*Goerodes piscinus* (Hagen), *Mormonia*, 2: Type 10946; L (Weaver 1985).  
*Goerodes posticatus* (Banks), *Goerinella*, Type 16471; L (Weaver 1985).  
*Goerodes sjoestedti* (Ulmer), *Crunoeciella*.  
*Goerodes ursinus* (Hagen), *Mormonia*, 2: Type 10943; L (Weaver 1985).  
*Goerodes venularis* (Banks), *Goerinella*, 2: Type 16474; L (Weaver 1985).  
*Goerodes continuata* Banks, 5: Type 16472; L (Weaver 1985).  
*Lasiocephala basalis* (Kolenati), *Goera*.  
*Lepidostoma americanum* (Banks), *Olemira*, Type 11700; L (Weaver 1988).  
*Lepidostoma bryanti* (Banks), *Alepomyia*, 2: Type 11709; L (Ross 1938).  
*Lepidostoma wisconsinense* Vorhies, C: Type 11688; L (Weaver 1988).  
*Lepidostoma carolina* (Banks), *Notiopsyche*, 2: Type 11704; L (Ross 1938).  
*Lepidostoma cinereum* (Banks), *Silo*, Type 11691; L (Weaver 1988).  
*Lepidostoma costale* (Banks), *Olemira*, Type 11701; L, 2<sup>nd</sup>A (Ross 1938); etoh.  
*Lepidostoma deceptivum* (Banks), *Thremma*, Type 11706; L (Weaver 1988).  
*Lepidostoma frontale* (Banks), *Eremopsyche*, Type 11825; L (Weaver 1988).  
*Lepidostoma frosti* (Milne), *Atomyia*, M.C.Z.Holotype 22276, 6P.  
*Lepidostoma griseum* (Banks), *Phanopsyche*, 2: Type 11693; L (Ross 1938); etoh.  
*Lepidostoma hirtum* (Fabricius), *Phryganea*.  
*Lepidostoma villosum* Rambur, Cotype M.C.Z.22179.  
*Lepidostoma latipenne* (Banks), *Notiopsyche*, Type 11703; L (Weaver 1988); 2<sup>nd</sup>A (Carpenter 1933).  
*Lepidostoma liba* Ross, M.C.Z.Paratype 26848.  
*Lepidostoma mexicanum* (Banks), *Olemira*, Type 11824; L (Weaver 1988).  
*Lepidostoma modestum* (Banks), *Atomyia*, 2: Type 11702; L (Ross 1938); [C at ANSP].  
*Lepidostoma ontario* Ross, 3: M.C.Z.Paratype 25863.

*Lepidostoma pictile* (Banks), *Mormonia*, Type 11699; L (Weaver 1988).  
*Lepidostoma pluviale* (Milne), *Olemira*, M.C.Z.Holotype 22275, 5P.  
*Lepidostoma podagrum* (McLachlan), *Nosopus*, Type 10941 [type probably ples.].  
*Lepidostoma prominens* (Banks), *Arcadopsyche*, 4: Type 16321; L, La (Ross 1938).  
*Lepidostoma roafi* (Milne), *Atomyia*, M.C.Z.Holotype 22277, 3P.  
*Lepidostoma sackeni* (Banks), *Mormomyia*, M.C.Z.Type 22667, P, L (Weaver 1988).  
*Lepidostoma stigma* Banks, 3: Type 11692; L (Ross 1938); etoh.  
*Lepidostoma tibiale* (Carpenter), *Neuropsyche*, M.C.Z.Type 19442, A, 14P.  
*Lepidostoma togatum* (Hagen), *Mormonia*, 2: Type 10942; L (Ross 1938); etoh.  
*Silo pallidus* Banks, Type 11690; L (Weaver 1988).  
*Pristosilo canadensis* Banks, Type 11689; L (Weaver 1988).  
*Lepidostoma unicolor* (Banks), *Mormomyia*, Type 11686; L (Weaver 1988).  
*Lepidostoma vernale* (Banks), *Mormonia*, 5: Type 11687; L, La (Ross 1938).  
*Maniconeura penicillata* McLachlan.  
*Neoseverinia crassicornis* (Ulmer), *Severinia*, C: Type 11843.  
*Theliopsyche grisea* (Hagen), *Silo*, Type 10951; L (Weaver 1988).  
*Theliopsyche parva* Banks, 4: Type 11710; L, La (Weaver 1988); [C at ANSP].

## BRACHYCENTRIDAE ULMER

*Brachycentrus adoxus* McLachlan, 2: Type 10954.  
*Brachycentrus albescens* McLachlan.  
*Brachycentrus americanus* (Banks), *Oligoplectrum*, Type 11705, det. Flint.  
*Brachycentrus similis* Banks, 2: Type 11684; L, La (Ross 1938); etoh.  
*Brachycentrus incanus* Hagen, Type 10955; L (Ross 1938), det. Flint.  
*Brachycentrus lateralis* (Say), *Phryganea*, det. Flint.  
*Brachycentrus maculatum* (Fourcroy), *Phryganea*.  
*Dasytoma pulchellum* Rambur, Cotype M.C.Z.22177.  
*Brachycentrus montanus* Klapálek.  
*Brachycentrus nigrosoma* (Banks), *Sphinctogaster*, Type 11683, det. Flint.  
*Brachycentrus notabulus* Milne, M.C.Z.Holotype 22274, A, 3P, det. Flint.  
*Brachycentrus numerosus* (Say), *Phryganea*, det. Flint.  
*Brachycentrus occidentalis* Banks, 2: Type 11685; L (Ross 1938), det. Flint.  
*Brachycentrus solomoni* Flint, 2P, det. Flint.  
*Brachycentrus spinae* Ross, P etoh.  
*Brachycentrus subnubilus* Curtis.  
*Pogonostoma vernum* Rambur, Cotype M.C.Z.22176.  
*Eobrachycentrus vernalis* (Banks), *Brachycentrus*, Type 11832.  
*Micrasema borneense* Banks, 4: Type 16499.  
*Micrasema charonis* Banks, 2: Type 11698; L (Ross 1938).  
*Micrasema cinereum* Mosely, P: Type 16450.  
*Micrasema dimicki* (Milne), *Oligoplectrum*, 2: M.C.Z.Paratype 22273.  
*Micrasema gelidum* McLachlan.  
*Micrasema scissum* McLachlan.  
*Micrasema longulum* McLachlan.  
*Micrasema minutum* (Pictet), *Sericostoma*.  
*Micrasema moestum* (Hagen), *Dasytoma*, Type 10935.  
*Micrasema morosum* (McLachlan), *Oligoplectrum*, det. Mosley.  
*Micrasema tristellum* McLachlan, det. Mosley.  
*Micrasema naevum* (Hagen), *Dasytoma*, 3: Type 10936.  
*Micrasema nigrum* (Brauer), *Dasytoma*, C: Type 10937.  
*Micrasema onisca* Ross, P etoh.  
*Micrasema rusticum* (Hagen), *Dasytoma*, 5: Type 10938; L, La (Ross 1938).  
*Micrasema falcatum* Banks, 12: Type 11697; L (Ross 1938).  
*Micrasema setiferum* (Pictet), *Rhyacophila*, Cotype M.C.Z.22178.  
*Oligoplectrodes potanini* Martynov, det. Mosley.

BERAEIDAE WALLENGREN  
*Beraea aureomarginata* Mosely, P: Type 16448.  
*Beraea maurus* (Curtis), *Thya*, 2: ples.  
*Beraea nigrilla* Banks, Type 11724 [L, cf. text].  
*Beraea pallida* Mosely, P: Type 16453.  
*Beraea pullata* (Curtis), *Thya*, ples.  
*Rhyacophila melas* Pictet, C: Type 11090.  
*Rhyacophila barbata* Pictet, C: Type 11091.  
*Bereodes minutus* (Linnaeus), *Phryganea*.  
*Beraodina palpalis* Mosely, 3P: Type 16539.  
*Ernodes articularis* (Pictet), *Rhyacophila*, C: Type 11089.  
*Ernodes nigroauratus* Mosely, P: Type 16454.  
*Ernodes saltans* Martynov.  
*Ernodes vicinus* (McLachlan), *Beraea*, C: Type 11092.



**HELICOPSYCHIDAE ULMER**

- Ceylanopsyche waturagoda* (Schmid), *Noleca*, det. Weaver.  
*Cochliopsyche clara* (Ulmer), *Tetanonema*, 2C: Type 11793.  
*Helicopsyche borealis* (Hagen), *Notidobia*, 4: Type 10939; L (Ross 1938); etoh, det. Flint.  
*Helicopsyche annulicornis* Banks, Type 11695.  
*Helicopsyche californica* Banks, 3: Type 11696; L (Ross 1938).  
*Helicopsyche comosa* Kingsolver.  
*Helicopsyche falcigona* Botosaneanu & Flint, P.  
*Helicopsyche hageni* Banks, M.C.Z. Type 22668; L (Flint 1967).  
*Helicopsyche haitiensis* Banks, M.C.Z. Type 22106, 4P; L (Flint 1967).  
*Helicopsyche lutea* (Hagen), *Notidobia*, 2: Type 10940; L (Flint 1967).  
*Helicopsyche mexicana* Banks, Type 11827.  
*Helicopsyche arizonensis* Banks, 3: Type 11694; L (Ross 1938).  
*Helicopsyche mulleri* Banks, 7: Type 10906; L (Flint 1967).  
*Helicopsyche peruana* Banks, Type 10905.  
*Helicopsyche ruprawathi* Schmid, 2: M.C.Z. Paratype 29665.  
*Helicopsyche sperata* McLachlan.  
*Helicopsyche umbonata* Hagen.  
*Helicopsyche zealandica* Hudson.  
*Helicopsyche itona* Mosely & Kimmins, det. Ross.

**SERICOSTOMATIDAE STEPHENS**

- Grumicha flavipes* (Ulmer), *Dicentropus*.  
*Notidobia ciliaris* (Linnaeus), *Phryganea*, 2: ples.  
*Oecismus monedula* (Hagen), *Sericostoma*, Type 10933.  
*Olinga feredayi* (McLachlan), *Olinx*, C: Type 10953, det. Tillyard.  
*Pycnocentria evecta* McLachlan, det. Tillyard.  
*Pycnocentria funerea* McLachlan, det. Tillyard.  
*Pycnocentroses aureolus* (McLachlan), *Pycnocentria*, det. Tillyard.  
*Schizopelix festiva* (Rambur), *Sericostoma*.  
*Schizopelix furcifera* McLachlan, det. Mosely.  
*Sericostoma carinthiacum* McLachlan.  
*Sericostoma clypeatum* Hagen, 3: Type 10932.  
*Sericostoma crassicornis* (Walker), *Hydropsyche*.  
*Sericostoma distinctum* (Ulmer), *Notidobia*.  
*Schizopelix lobata* Banks, 3: Type 11712; L (Ross 1938).  
*Psiloneura moesta* Banks, 2: Type 11717; L (Ross 1938).  
*Sericostoma flavicorne* Schneider, Type 10931.  
*Sericostoma galeatum* Rambur, 2: Cotype M.C.Z. 22172.  
*Sericostoma laireillei* Rambur, Cotype M.C.Z. 22173.  
*Sericostoma griseolum* (McLachlan), *Notidobia*, 3: Type 10934.  
*Notidobia assimilis* Banks, 2: Type 11715; L (Ross 1938).  
*Sericostoma griseum* (Banks), *Agarodes*, Type 11716.  
*Notidobia americana* Banks, 3: Type 11714; L (Ross 1938).  
*Sericostoma hesperus* (Banks), *Schizopelix*, Type 11713.  
*Sericostoma indivisum* McLachlan, Type 10929.  
*Sericostoma maclachlanianum* Costa.  
*Sericostoma nigriculum* (McLachlan), *Notidobia*.  
*Notidobia arizonica* Banks, M.C.Z. Type 25891, 6P.  
*Sericostoma pedemontanum* McLachlan.  
*Sericostoma personatum* (Kirby & Spence), *Phryganea*.  
*Sericostoma multiguttatum* Pictet, C: Type 10928.  
*Sericostoma pyrenaicum* Pictet, det. Mosely.  
*Sericostoma selysii* Pictet.  
*Sericostoma siculum* McLachlan.  
*Sericostoma timidum* Hagen, 5: Type 10930.  
*Sericostoma turbatum* McLachlan.  
*Sericostoma vittatum* Rambur, Cotype M.C.Z. 22174 [metathorax & abdomen absent].

**CHATHAMIIDAE TILLYARD**

- Philanisus plebeius* Walker, det. Tillyard.

**CONOESUCIDAE ROSS**

- Lingora plicata* Banks, 2P; [M.C.Z. Type 22076 & 2P in ANIC (Neboiss 1983)].

**HELICOPHIDAE MOSELY**

- Alloecella grisea* Banks, [M.C.Z. Type 22109 & P in ANIC (Neboiss 1983)].

**TASIMIIDAE RIEK**

- Tasimia atra* (Banks), *Molanniella*, [M.C.Z. Type 22108 in ANIC (Neboiss 1983)].

**THE HARRIS COLLECTION**

Thaddeus William Harris (1795-1856) was one of the pioneers of Entomology in the United States of America. He gave lectures on the study of insects at Harvard, c. 1937-1842, and maintained a collection of insects. This collection is of particular significance because in 1825 Harris shipped it to Thomas Say in Philadelphia to identify, and because virtually all of Say's insect collection has been destroyed, it provides the only means of verifying Say's species and determinations through the examination of specimens (Mallis 1971). Harris's collection was moved to the Boston Society of Natural History soon after his death. However, c. 1938, it was returned to Harvard where it presently resides in the Entomology Department of the MCZ and is kept in a double wooden cabinet, separate from the main collection (pers. comm. Furth).

The caddisflies in this collection were used by Hagen and others to identify the caddisflies described by Say and Harris. The Trichoptera are contained in two drawers and appear to be in the same state of curation as left by Hagen. A large heading-label, in Hagen's hand-writing, precedes the series of each species. This label bears Hagen's det. and a specific number, which corresponds with small labels on each specimen in the series. This number also corresponds to an unpublished catalogue by Harris, which provides further information on the collection localities and identifications. This numbering system was probably how Harris assigned det. labels to specimens. Harris's unpublished catalogue and Say's corresponding report are both kept with the collection at the MCZ (pers. comm. Furth). The heading-label also sometimes has another number which corresponds with Hagen's (1861) *Synopsis of the Neuroptera of North America*.

Unfortunately, the majority of the caddisflies in the collection are in very poor condition. All except three specimens are without abdomens, some are nothing more than wings, and some are actually nothing, having naked pins with labels.

Milne made a thorough study of the caddisflies in the Harris Collection, and most of the specimens bear his det. label. He also added several red "type" labels which are very confusing; all of these are invalid, i.e. status unpublished, and not listed below, except one, the type label for *Hallesus argus* Harris.

The list of Trichoptera in the Harris Collection below, follows the order of specimens in the collection, with Hagen's heading-label listed first, followed by information from locality labels of specimens in each series, and Milne's det. labels last. All names are in italics, but undescribed species names are in small type; all brackets are mine. I have not listed any new nomina nuda or new combinations of names observed in the collection.

1. "*Neuronia dossuaria* Say Harr. Cat. 102."  
2♂: "102 ♂ NH", 1♀: "102 ♀ NH", "*Banksolia dossuaria* (Say) det. 1936 L.J. Milne".
2. "*Neuronia stygipes* Say Harr. Cat. 103." [Hagen nec Say]  
1 spec: "103 NH", "... [*Oligostomis*] *ocelligera* (Wlk.) det. 1936 L.J. Milne".
3. "*Neuronia ocellifera* Walk. Hag. Syn. 252.7. Harr. Cat 88."  
1 spec: "88 ♂", "*Psilostomis* sp. probably *postica* (Wlk.) det. 1936 L.J. Milne".
4. "*Neuronia postica* Walk. Hag. Syn. 251.h. Harr. Cat. 88."  
1 spec: "88 ♂", "*Psilostomis ocellifera* (Wlk.) det. 1936 L.J. Milne"; 4 spec. "88 ♂", "*Psilostomis* sp. det. 1936 L.J. Milne".
5. "*Neuronia semifasciata* Say Harr. Cat. 89"  
2 spec: "89 ♂", "89 ♀", "*Psilostomis* sp. det. 1936 L.J. Milne".
6. "*Limnophihus argenteornatus* Say Harr. Cat. 92." [Hagen nec Say]  
2 spec: "92", "92 NH", "*Limnophihus ornatus* Bks. det. 1936 L.J. Milne".
7. "*Limnophihus subguttatus* Walk. Hag. Syn. 261.23 Harr. Cat. 93."  
1 spec: "93 ♀", "*Limnophihus stigma indivisus* Wlk. det. 1936 L.J. Milne".

8. "*Limnophilus pudicus* Hag. Syn. 262.26 Harr. Cat. 97-98." 6 spec.: (3: "97"), "97 NH", "98", "98 NH", "*Anabolina submonilifer* (Wlk.) det. 1936 L.J.Milne".
9. "100", "105 NH" undetermined.
10. "*Limnophilus plaga* Walk. Hag. Syn. 263.28 Harr. Cat. 97." 1 spec: "97 NH", "*Limnophilus* sp. *moestus* Bks. det. 1936 L.J.Milne".
11. "*Hallesus hostis* Hag. syn 266.3 Harr. Cat. 91." 6 spec.: (4: "91 ♂"), "91 ♀", "91", "*Platycentropus indicans* (Wlk.) det. 1936 L.J.Milne".
12. "*Hallesus guttifer* Walk. Hag. Syn. 266.4 Harr. Cat. 90." 1 spec.: "90 ♀", "*Stenophylax* sp. det. 1936 L.J.Milne".
13. "*Hallesus argus* Harr. \* Harr. Cat. 107." 1 spec.: "Type", "107 ♀ Maine", "Holotype No. 26482 *Hallesus argus* Harr. ♀", "*Astenophylax argus* (Harr.) ♀ det. 1936 L.J.Milne".
14. "*Hallesus vittatus* Harr. Harr. Cat. 108." [Hagen nec Harris] 1 spec.: "108 ♀ Maine", "*Platycentropus indistinctus* (Wlk) det. 1936 L.J.Milne".
15. "*Platyphylax subfasiata* [Say] Hag. Syn. 269 Harr. Cat. 93." 1 spec.: "93 N.Y.", "*Stenophylax* sp. det. 1936 L.J.Milne".
16. "*Platyphylax coagulata* Say Harr. Cat. 94." [Hagen 1873, not described, Provancher nec Say] 2 spec: "94 ♂ NH", "94 ♂", "*Chilostigma difficile* (Wlk.), det. 1936 L.J.Milne"; 1 spec: "94", "*Chilostigma* sp. (Wlk.) det. 1936 L.J.Milne".
17. "*Platyphylax irroratus* F. Harr. Cat. 107." 2 spec: "101 Maine", "101 ♀ NH", "*Glyphopsyche irrorata* (Fab.) det. 1936 L.J.Milne".
18. "*Goniotauius* ... [n. nud.] Harr. Cat. 106." [This is probably the spec. Hagen referred to as "*Goniotauius* spec.", a possible synonym of *Phryganea quadrula* Harris 1835, not described.] 1 spec.: "106 NH", "*Limnephilus despectus* Wlk. det. 1936 L.J.Milne".
19. "*Radema* ... [n. nud.] Harr. Cat. 104." [This is probably the spec. Harris referred to as "*Phryganea undulata*" Harris 1835, not described.] 1 spec.: "101 NH", "*Neophylax concinnus* M'L. det. 1936 L.J.Milne".
20. "*Apatania nigra* Walk. Hag. Syn. 270.1 Harr. Cat. 109." 1 spec: "109 Maine" [with abdomen!], "*Apatania nigra* Wlk. det. 1936 L.J.Milne"; 1 spec: [naked pin] "*Apatania* sp. det. 1936 L.J.Milne".
21. "*Mormonia* ... [n. nud.] Harr. Cat. 110." 1 spec.: "110 Maine" [naked pin], "[n. nud.] det. 1936 L.J.Milne".
22. "*Hydropsyche morosa* Hag. Syn. 287.2 Harr. Cat. 96." 3 spec: "96 ♂", "96 ♀", "96", "*Hydropsyche* sp. det. 1936 L.J.Milne".
23. "*Polycentropus cinereus* ! Hag. Syn 293 Harr. Cat. 99." 1 spec: "99" [with abdomen!], "*Polycentropus confusus* Hag. det. 1936 L.J.Milne"; 1 spec: "99" [wings only], "*Polycentropus* sp. det. 1936 L.J.Milne".
24. "*Polycentropus* sp. Harr. Cat. 134." 1 spec: "134", "*Holocentropus flavus* Bks. det. 1936 L.J.Milne".
25. "*Chimarra aterrima* Hag. Syn. 297.1 Harr. Cat. 135." 1 spec.: "135", "*Chimarra* sp. det. 1936 L.J.Milne".
26. "*Macronema zebratum* Hag. Syn. 285.5 Harr. Cat 115." 3 spec.: "113 NH", "*Macronema zebratum* Hag. det. 1936 L.J.Milne".
27. "*Setodes exquisita* Walk. Hag. Syn. 280 Harr. Cat 116." 3 spec "116 Maine": 1 spec: "*Leptocella albida exquisita* (Wlk.) det. 1936 L.J.Milne"; 2 spec. "*Leptocella* sp. det. 1936 L.J.Milne".
28. "*Setodes ignita* Hag. Syn. 281 Harr. Cat. 115." 1 ♂ [with abdomen!]: "115", "*Triaenodes injusta* (Hag.) det. 1936 L.J.Milne".
29. "*Setodes micans* Hag. Syn 283.13 Harr. Cat. 114." 2 spec: "114", "*Oecetis inconspicua* (Wak.) det. 1936 L.J.Milne".
30. "*Leptocerus* spec. Harr. Cat 112." 1 spec: "112", "*Athripsodes* sp. ♂ det. 1936 L.J.Milne".
31. "*Leptocerus niger* L. Hag. Syn. 277.4 Harr. Cat. 147." [Stephens nec L.] 1 spec.: "147", "*Mystacides sepulchralis* (Wlk.) det. 1936 L.J.Milne".
32. "*Molanna cinerea* Hag. Syn. 246.2 Harr. Cat. 111." 1 spec.: "111 Maine", "*Molanna* sp. det. 1936 L.J.Milne".

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## REFERENCES

- BARNARD P. C. 1984. Macronematine caddisflies of the genus *Amphipsyche* (Trichoptera: Hydropsychidae). Bull. British Mus. Nat. Hist. 48:71-130.
- BANKS N. 1913. Synopsis and descriptions of exotic Neuroptera. Trans. Amer. Ent. Soc. 39: 201-248.
- 1918. New neuropteroid insects. Bull. Mus. Comp. Zool., Harvard College, 62: 1-22.
- 1936. Notes on some Hydropsychidae. Psyche 43:126-130.
- 1943. Notes and descriptions of Nearctic Trichoptera. Bull. Mus. Comp. Zool. 92:341-369.
- CARPENTER, F. M. 1933. Trichoptera from the Mountains of North Carolina and Tennessee. Psyche 40:32-47.
- CARPENTER, F. M., AND J. P. DARLINGTON. 1954. Nathan Banks, a biographic sketch and list of publications. Psyche 61:81-110.
- FLINT, O. S., Jr. 1966. Notes on certain Nearctic Trichoptera in the Museum of Comparative Zoology. Proc. U.S. Natn. Mus. 118: 373-390.
- 1967. Studies of Neotropical Caddis Flies, V: Types of the species described by Banks and Hagen. Proc. U.S. Natn. Mus. 123:1-37, 1 pl.
- FERNALD, H. T. 1939. On type nomenclature. Entomol. Soc. Amer. 32:689-702.
- HAGEN, H. A. 1861. Synopsis of the Neuroptera of North America, with a list of the South American species. Smith. Misc. Collns. 347 p.
- MALICKY, H. 1977. Ein Beitrag zur Kenntnis der *Hydropsyche guttata* - Gruppe (Trichoptera, Hydropsychidae). Z. Arbgem. Ost. Ent. 29:28.
- MALLIS, A. 1971. American Entomologists. Rutgers Univ. Press. New Brunswick, New Jersey. 549 p.
- MILNE, L. J. 1931. Three new Canadian *Prophryganea*. (Phryganeidae, Trichoptera.) Can. Ent. 63:228-232.
- MOSELY, M. E. 1938. The Indian caddis flies (Trichoptera). pt. V. J. Bombay Soc. 40:486-496, 12 pls.
- MORSE, J. C. 1975. A phylogeny and revision of the caddisfly genus *Ceraclea* (Trichoptera, Leptoceridae). Contrib. Amer. Ent. Inst. 11(2):1-97.
- NEBOISS, A. 1983. Checklist and bibliography of the Australian caddis-flies (Trichoptera). Aust. Soc. Limn., Spec. Pub.5. 132 p.
- ROSS, H. H. 1938. Lectotypes of North American caddisflies in the Museum of Comparative Zoology. Psyche 45:1-61.
- 1952. Lectotypes of Hagen species belonging to certain families of Trichoptera. Psyche 59:31-36
- WEAVER, J. S., III. 1985. The Oriental Lepidostomatidae (Trichoptera) described by Banks and Hagen. Psyche 92: 237-254.
- 1988. A synopsis of the North American Lepidostomatidae (Trichoptera). Contrib. Amer. Ent. Inst. 24:1-141.
- WEBB, D. W. 1980. Primary insect types in the Illinois Natural History Survey Collection, exclusive of Collembola and Thysanoptera. Bull. Ill. Nat. Hist. Surv. 32:1-191.
- WIGGINS, G. B. 1956. A revision of the North American caddisfly genus *Banksiola* (Trichoptera: Phryganeidae). Cont. R. Ontario Mus. Div. Zool. Palaeont. 43:1-12.
- WIGGINS, G. B. and RICHARDSON. 1986. Revision of the *Onocosmoecus unicolor* group (Trichoptera: Limnephilidae, Dicosmoecinae). Psyche 93:187-216.

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