

Note: A revision to this list will appear  
only next year. R.L.N.

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CHECKLIST OF SOME AQUATIC INSECTS FROM MONTANA

Robert L. Newell

This paper presents an attempt to collect into one source, a list of the many families, genera, and species of aquatic insects in Montana. This list will be an aid to investigators of aquatic ecology and zoogeography. There have been relatively few studies of aquatic ecology in Montana. Perhaps one reason for this has been the lack of taxonomic work on aquatic insects in this state. For example, prior to collections made by the author only 18 species of Odonata had been described from Montana. There are now 49 species of Odonata described from there.

Previous studies that list Montana species of Coleoptera are those of Hatch (17) and Leech (23). Diptera references are from Jones (21), Mail (25), Stains and Knowlton (41), Matheson (26), and Cook (1). Ephemeroptera are listed by Needham (32), Linduska (24), Edmunds and Allen (12), and Jensen (19). Montana Hemiptera are given by Fall (13), and Megaloptera by Ross (35). Trichoptera lists are known from Denning (3, 4, 5, 6, 7, 8, 9, 10, 11), Ross (36, 37, 38, 39), Knapp (22), Heaton (18), Mitchell (29), and Smith (40). Plecoptera are given by Needham and Claassen (31), Ricker (33, 34), Jewett (20), Gaufin (14, 15), Gaufin et al. (16), Heaton (18), Nebeker (30), Miner (28), and Milam (27). Another reference that lists Montana species is Cope and Park (2).

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COLEOPTERA

Amphizoidae  
*Amphizoa*

Dytiscidae  
*Acilius*  
*Agabus*  
    *griseipennis* LeConte  
    *intersectus* (Crotch)  
    *nectris* Leech  
*Bidessus*  
*Colymbetes*  
    *sculptilis* (LeConte)  
*Coptatomus*  
*Deronectes*  
*Desmopachria*  
*Dytiscus*  
*Hydrovatus*  
*Ilybius*  
*Laccodytes*  
*Megadytes*  
*Rhantus*

Elmidae  
*Cleptelmis*  
    *ornata* (Schaeffer)  
*Heterlimnius*  
*Lara*  
*Narpus*  
*Optioservus*  
*Zaitzevia*  
    *parvula* Horn

Gyrinidae  
*Gyrinus*  
    *affinis* Aube  
    *confinis* LeConte  
    *pectoralis* LeConte  
    *picipes* Aube

Haliplidae  
*Haliplus*

Hydrophilidae  
*Hydrophilus*  
*Tropisternus*

LEPIDOPTERA

Pyralidae  
*Paragyraetis*

MEGALOPTERA

Sialidae  
*Sialis*  
    *hamata* Ross

DIPTERA

Blepharoceridae

Ceratopogonidae  
*Bezzia*

Culicidae  
*Aedes*  
    *aldrichi* Dyar and Knab  
    *campestris* Dyar and Knab  
    *canadensis* (Theobald)  
    *cataphylla* Dyar  
    *cinereus* Meigen  
    *communis* (DeGeer)  
    *diantaeus* Howard, Dyar, and Knab  
    *dorsalis* (Meigen)  
    *excrucians* (Walker)  
    *fitchii* (Felt and Young)  
    *flavescens* Muller  
    *hirsuteron* Theobald  
    *idahoensis* (Theobald)  
    *impiger* (Walker)  
    *increpitus* Dyar  
    *intrudens* Dyar  
    *lateralis* (Meigen)  
    *nearcticus* Dyar  
    *nigromaculis* (Ludlow)  
    *pionips* Dyar  
    *pullatus* (Coquillett)  
    *punctor* (Kirby)  
    *riparius* Dyar and Knab  
    *schizopinax* Dyar  
    *spencerii* (Theobald)  
    *sticticus* (Meigen)  
    *stimulans* Walker  
    *trichurus* Dyar  
    *triseriatus* (Say)  
    *trivittatus* (Coquillett)  
    *vexans* (Meigen)  
*Anopheles*  
    *maculipennis* Meigen  
    *punctipennis* Say  
*Chaoborus*

DIPTERA (cont'd)

- Culex*  
*apicalis* Adams  
*restuans* Theobald  
*tarsalis* Coquillett  
*territans* Walker
- Culiseta*  
*alaskaensis* (Ludlow)
- Mansonia*  
*perturbans* Walker
- Psorophora*  
*signipennis* (Coquillett)
- Theobaldia*  
*alaskaensis* Ludlow  
*impatiens* Walker  
*incidens* Thompson  
*inornata* Williston
- Duterophlebiidae  
*Duterophlebia*
- Empididae  
*Hemerodromia*
- Heleidae
- Psychodidae  
*Pericoma*
- Rhagionidae  
*Atherix*  
*variagata* Walker
- Simuliidae  
*Eusimulium*  
*borealis* (Malloch)  
*minus* Dyar and Shannon  
*permutatum* Dyar and  
 Shannon
- Prosimulium*  
*novum* Dyar and Shannon
- Simulium*  
*arcticum* Malloch  
*grisium* Coquillett  
*mediovittatum* Knab  
*tuberosum* (Lundstroem)  
*venustum* Say  
*vittatum* Zetterstedt
- Stratiomyidae

- Syrphidae  
*Copestylum*  
*marginatum* Say  
*Eristalis*
- Tabanidae  
*Tabanus*  
*intensivus* Townsend  
*captonis* Marten  
*frenchii* Philip  
*frontalis* Walker  
*laniferus* McDunnough  
*melanorhinus* Bigot  
*opacus* Coquillett  
*procyon* Sacken  
*sequax* Williston  
*trepidus* McDunnough  
*typhus* Whitney
- Tendipedidae  
*Hydrobaenis*
- Tipulidae  
*Antocha*  
*monticola* Alexander  
*Cryptolabis*  
*Dicranota*  
*Dolichopeza*  
*Helius*  
*spinosa* Alexander  
*Hexatoma*  
*Holorusia*  
*Prionocera*  
*Tipula*  
*albocaudata* Alexander
- EPHEMEROPTERA
- Baetidae  
*Ameletus*  
*cooki* McDunnough  
*oregonensis* McDunnough
- Ametropus*  
*neavei* McDunnough
- Baetis*  
*bicaudatus* Dodds  
*intermedius* Dodds  
*parvus* Dodds  
*tricaudatus* Dodds  
*vagans* McDunnough
- Caenis*  
*simulans* McDunnough

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EPHEMEROPTERA (cont'd)

*Callibaetis*  
  *coloradensis* Banks  
  *montanus* Eaton  
  *nigritus* Banks  
*Centroptilum*  
*Ephemerella*  
  *aurivillii* Bengtsson  
  *coloradensis* Dodds  
  *concinata* Traver  
  *doddsi* Needham  
  *flavilinea* McDunnough  
  *glacialis* Traver  
  *grandis* Eaton  
  *hecuba* Eaton  
  *heterocaudata* McDunnough  
  *hystrix* Traver  
  *inermis* Eaton  
  *infrequens* McDunnough  
  *margarita* Needham  
  *orestes* Traver  
  *proserpina* Traver  
  *spinifera* Needham  
  *tibialis* McDunnough  
  *yosemite* Traver  
*Isonychia*  
  *sicca* McDunnough  
*Leptophlebia*  
  *adoptiva* McDunnough  
  *gravastella* (Eaton)  
*Paraleptophlebia*  
  *bicornuta* McDunnough  
  *heteronea* (McDunnough)  
*Pseudocloeon*  
*Siphonurix*  
  *autumnalis* McDunnough  
  *occidentalis* Eaton  
*Traverella*  
  *albertana* (McDunnough)  
*Tricorythodes*

Ephemeridae  
*Ephemera*  
  *compar* Hagen  
  *simulans* Walker  
*Hexagenia*  
  *limbata* (Serville)

Heptageniidae  
*Cinygmula*  
  *mimus* Eaton  
  *tarda* McDunnough  
  *uniformis* McDunnough  
*Epeorus*  
  (Iron) *albertae* McDunnough  
  (Iron) *deceptivus* McDunnough  
  (Iron) *longimanus* (Eaton)  
  (Ironopsis) *grandis* McDunnough  
*Ironodes*  
*Heptagenia*  
*Rhithrogena*  
  *doddsi* McDunnough  
  *hageni* Eaton  
  *morrisoni* (Banks)  
  *robusta* Dodds  
  *virilis* McDunnough  
*Stenonema*  
  *reesi* Edmunds & Jensen

HEMIPTERA

Belostomatidae  
*Belostoma*  
  *lethocerus*  
  *americanus* (Leidy)

Corixidae  
*Cenocorixa*  
  *bifida* (Hungerford)  
*Graptocorixa*  
*Sigara*  
  *washingtonensis* Hungerford

Gerridae  
*Gerris*  
  *remigis* Say

Naucoridae  
*Ambrysis*  
  *mormon* Montandon

Nepidae  
*Ranatra*

HEMIPTERA (cont'd)

- Notonectidae  
*Notonecta*
- Veliidae  
*Rhagovelia*  
*distincta* Champion

ODONATA

- Anisoptera  
 Aeshnidae  
*Aeshna*  
*eremita* Scudder  
*interrupta* Walker  
*interna* Walker  
*multicolor* Hagen  
*palmata* Hagen  
*u.umbrosa* Walker
- Corduliidae  
*Cordulia*  
*shurtleffi* Scudder
- Somatochlora*  
*ensigera* Martin  
*semicircularis* (Selys)
- Tetragoneuria*  
*cynosura* (Say)
- Libellulidae  
*Belonia*  
*saturata* (Uhler)
- Erythemis*  
*simplicicollis* (Say)
- Leucorrhinia*  
*hudsonica* (Selys)  
*intacta* (Hagen)
- Libellula*  
*forensis* Hagen  
*nodisticta* Hagen  
*pulchella* Drury  
*quadrifasciata* Linnaeus
- Plathemis*  
*lydia* (Drury)

ODONATA (cont'd)

- Sympetrum*  
*corruptum* (Hagen)  
*costiferum* (Hagen)  
*danae* (Sulzer)  
*internum* Montgomery  
*madidum* (Hagen)  
*obtrusum* (Hagen)  
*pallipes* (Hagen)
- Gomphidae  
*Ophiogomphus*  
*s.severus* Hagen  
*s.montanus* (Selys)
- Zygoptera  
 Agrionidae  
*Calopteryx*  
*aequabilis* Say  
*maculata* (Beauvois)
- Coenagrionidae  
*Amphiagrion*  
*abbreviatum* (Selys)
- Argia*  
*alberta* Kennedy  
*aquasable* Hagen  
*emma* Kennedy  
*rivida* Kennedy
- Coenagrion*  
*resolutum* (Hagen)
- Enallagma*  
*anna* Williamson  
*boreale* Selys  
*carunculatum* Morse  
*civile* (Hagen)  
*cyathigerum* (Charpentier)  
*ebrium* Hagen
- Ischnura*  
*cervula* Selys  
*perparva* Selys
- Tetragoneuria*  
*cynosura* (Say)

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ODONATA (cont'd)

Lestidae

*Lestes*

- congener* Hagen
- d. disjunctus* Selys
- dryas* Kirby
- unguiculatus* Hagen

PLECOPTERA

Filipalpia

Nemouridae

*Nemoura*

- besametsa* Ricker
- californica* Claassen
- cataractae* Neave
- cinctipes* Banks
- coloradensis* Banks
- columbiana* Claassen
- delicatula* Claassen
- decepta* Frison
- flexura* Claassen
- frigida* Claassen
- haysi* Ricker
- oregonensis* Claassen

*Paraleuctra*

- forcipata* Frison
- jewetti* Ricker
- occidentalis* (Banks)
- sara* (Claassen)

*Leuctra*

- augusta* Banks

*Perlomyia*

- utahensis* Needham & Claassen

*Capnia*

- columbiana* Claassen
- confusa* Claassen
- distincta* Frison
- elongata* Claassen
- gracilaria* Claassen
- limata* Frison
- milami* Nebeker & Gaufin
- nana* Claassen
- oenone* Neave
- petila* Jewett
- poda* Nebeker & Gaufin
- sasquatchi* Ricker
- sextuberculata* Jewett
- spenceri* Ricker
- trava* Nebeker & Gaufin

PLECOPTERA (cont'd)

*Eucapnopsis*

- brevicauda* (Claassen)

*Isocapnia*

- crinita* (Needham & Claassen)
- grandis* (Banks)
- hyalita* Ricker
- missourii* Ricker
- vedderensis* (Ricker) Nebeker

*Brachyptera*

- nigripennis* (Banks)
- occidentalis* (Banks)
- pacifica* (Banks)
- pallida* (Banks)

*Pternarcidae*

*Pteronarcella*

- badia* (Hagen)
- regularis* (Hagen)

*Pteronarcys*

- californica* Newport

*Peltoperlidae*

*Peltoperla*

- brevis* Banks
- mariana* Ricker

*Setipalpia*

*Perlodidae*

*Arcynopteryx*

- americana* Klapalek
- aurea* Smith
- bradleyi* Smith
- curvata* Hanson
- parallela* Frison
- signata* (Hagen)
- watertoni* Ricker

*Isogenus*

- aestivalis* Needham & Claassen
- elongatus* Hagen
- modestus* Banks
- pilatus* (Frison)
- tostonus* Ricker

PLECOPTERA (cont'd)

- Isoperla*  
*ebria* Hagen  
*fulva* Claassen  
*fusca* Needham & Claassen  
*mormona* Banks  
*patricia* Frison  
*pinta* Frison  
*sordida* (Banks)
- Diura*  
*knowltoni* (Frison)
- Chloroperlidae  
*Paraperla*  
*frontalis* (Banks)
- Kathroperla*  
*perdita* Banks
- Utaperla*  
*sopladora* Ricker
- Alloperla*  
*albertensis* Needham &  
 Claassen  
*autumna* Hoppe  
*borealis* (Banks)  
*coloradensis* (Banks)  
*delicata* Frison  
*diversa* Frison  
*fidelis* Banks  
*lineosa* Banks  
*medveda* Ricker  
*occidens* Frison  
*pacifica* (Banks)  
*pallidula* Banks  
*revelstoki* Jewett  
*serrata* Needham &  
 Claassen  
*severa* Hagen  
*signata* Banks
- Perlidae  
*Acroneuria*  
*californica* (Banks)  
*pacifica* Banks  
*theodora* Needham &  
 Claassen
- Claassenia*  
*sabulosa* (Banks)

TRICHOPTERA

- Brachycentridae  
*Brachycentrus*  
*americanus* Banks  
*aspilus* Ross  
*occidentalis* Banks  
*Micrasema*
- Goeridae  
*Goeraces*  
*genota* Ross
- Helicopsychidae  
*Helicopsyche*  
*borealis* (Hagen)
- Hydropsychidae  
*Arctopsyche*  
*grandis* Banks  
*Cheumatopsyche*  
*analis* Banks  
*campyla* Ross  
*Hydropsyche*  
*bifida* Banks  
*bronto* Ross  
*cockerelli* Banks  
*jewetti* Denning  
*occidentalis* Banks  
*separata* Banks  
*tana* Ross  
*Parapsyche*  
*almota* Ross  
*elsis* Milne
- Hydroptilidae  
*Agraylea*  
*multipunctata* Curtis  
*saltesea* Ross  
*Hydroptila*  
*consimilis* Ross  
*hemata* Ross  
*rono* Ross
- Leucotrichia*  
*Neotrichia*  
*Ochrotrichia*  
*Oxyethria*  
*Polytrichia*  
*stylata* Ross

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TRICHOPTERA (cont'd)

Lepidostomatidae

*Lepidostoma*  
*knulli* Denning  
*roafi* (Milne)  
*spicata* Denning  
*strophis* Ross  
*veleda* Denning

Leptoceridae

*Athripsodes*  
*annulicornis* (Stephen)  
*transversus* Ross  
*Leptocella*  
*albida* Banks  
*Mystacides*  
*alafimbriata* Griffin  
*longicornis* (L.)  
*sepulchralis* (Walker)  
*Secetis*  
*avara* Banks  
*immobilis* (Hagen)  
*inconspicua* (Walker)

Limnephilidae

*Amphicosmoecus*  
*canax* Ross  
*Apatania*  
*chasica* Denning  
*comosa* Denning  
*Chyranda*  
*centralis* Banks  
*Cryptochia*  
*furcata* Denning  
*Dicosmoecus*  
*canax* Banks  
*unicolor* (Banks)  
*Drusinus*  
*Ecclisomyia*  
*conspersa* Banks  
*maculosa* Banks  
*Hesperophylax*  
*Homophylax*  
*flavipennii* Banks  
*Imania*  
*cascadis* Ross  
*Lenarchus*  
*Limnephilus*  
*externus* Hagen  
*ornatus* Banks  
*Neophylax*  
*richeri* Milne

*Neothremma*  
*Oligophlebodes*  
*ruthae* Ross  
*Psychoglypha*  
*pritus* Milne  
*subborealis* (Banks)  
*ullus* Milne  
*Pycnopsyche*  
*guttifer* (Walker)  
*Radema*  
*chasica* Denning  
*Rossiana*  
*montana* Denning

Molannidae

*Molanna*  
*flavicornis* Banks

Philopotamidae

*Dolophilodes*  
*Sortosa*  
*aequalis* Banks  
*noviesamericanus* (Iring)  
*pollidipis* Banks  
*Wormaldia*  
*gabriella* Banks

Phryganeidae

*Phryganea*  
*cinerea* Walker

Psychomyiidae

*Nyctiophylax*  
*Polycentropus*  
*cinereus* Hagen  
*Psychomyia*  
*flavida* Hagen

Rhyacophilidae

*Agapetus*  
*montanus* Denning  
*Anagapetus*  
*debilis* Ross  
*montanus* Denning  
*Glossosoma*  
*alascense* Banks  
*excitum* Ross  
*idaho* Ross  
*montana* Ross  
*penitum* Banks



TRICHOPTERA (cont'd)

Rhyacophilidae (cont'd)

*Glossosoma* (cont'd)

*traviatum* Banks

*velona* Ross

*verdona* Ross

*Protophila*

*cantha* Ross

*Rhyacophila*

*acropedes* Banks

*alberta* Banks

*alexanderi* Denning

*angelita* Banks

*belona* Ross

*bifida* Banks

*coloradensis* Banks

*ebria* Denning

*glaciera* Denning

*narvae* Narvas

*newelli* Denning

*ophrys* Ross

*tucula* Ross

*unimaculata* Denning

*vaccua* Milne

*vagrata* Milne

*vao* Milne

*vepalsa* Milne

*verrula* Milne

*vocala* Milne

*vuzana* Milne

*wallowa* Denning

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