AN ANNOTATED REVIEW OF THE SYSTEMATICS OF NORTH AMERICAN STONEFLIES (PLECOPTERA)

Richard W. Baumann

Department of Zoology

Brigham Young University

Provo, Utah 84602

Stonefly workers are fortunate in having up-to-date catalogues of all known species compiled and analyzed by the most modern methods. The works of Illies (1966) and Zwick (1973) are excellent but because of the high price involved and the fact that they are written in German it was felt that this overview would be a useful tool to North American students of the Plecoptera. The nomenclature followed here is essentially that of Illies and Zwick except for minor changes by the author and corrections by Stewskal in Baumann (1976).

All extant North American genera are listed in proper taxonomic order with the latest accepted rank. The number of named species is listed and a brief indication of zoogeographic distribution is given according to the following code.

PNA = Pan-north American
ANA = Amphi-north American
NNA = Northern North America
WNA = Western North America
ENA = Eastern North America
PNW = Pacific Northwest
SW = Southwest
IW = Intermountain West
NE = Northeast
SE = Southeast

Order Plecoptera
Suborder Arctoperlaria
Group Euholognatha
Superfamily Nemouroidea
Family Nemouridae
Subfamily Amphinemurinae
Genus *Amphinemura* 13 species PNA
Genus *Malenka* 11 species WNA
Subfamily Nemourinae
Genus *Lednia* 1 species IW
Genus *Nemoura* 4 species NNA
Genus *Ostrocerca* 6 species ANA
Genus *Paranemoura* 1 species ENA
Genus *Podmosta* 5 species ANA
Genus *Prostoia* 3 species ANA
Genus *Shipsa* 1 species ENA, NNA
Genus *Soyedina* 7 species ANA
Genus *Visoka* 1 species WNA
Genus *Zapada* 8 species ANA

Family Taeniopterygidae
Subfamily Brachypterinae
Genus *Bolotoperla* 1 species ENA
Genus *Doddsia* 1 species WNA
Genus *Oemopteryx* 4 species NNA
Genus *Strophopteryx* 7 species ENA
Genus *Taenionema* 8 species ANA
Subfamily Taeniopteryginae
Genus *Taeniopteryx* 9 species ANA

Family Capniidae
Genus *Allocapnia* 38 species ENA
Genus *Bolshecapnia* 4 species WNA
Genus *Capnia* 50 species WNA, NNA
Genus *Eucapnopsis* 1 species WNA
Genus *Isocapnia* 11 species WNA
Genus *Mesocapnia* 11 species WNA, NNA
Genus *Nemocapnia* 1 species ENA
Genus *Paracapnia* 3 species ANA
Genus *Utacapnia* 10 species ANA

Family Leuctridae
Subfamily Leuctrinae
Genus *Despaxia* 1 species WNA
Genus *Leuctra* 21 species ENA
Genus *Moselia* 1 species PNW
Genus *Paraleuctra* 7 species ANA
Genus *Perlomyia* 2 species WNA
Genus *Zealeuctra* 8 species ENA

Group Systellognatha
Superfamily Pteronarcyoidea
Family Pteronarcyidae
Genus *Allonarcys* 4 species ENA
Genus *Pteronarcella* 2 species WNA
Genus *Pteronarcys* 4 species PNA

Superfamily Peltoperloidea
Family Peltoperlidae
Subfamily Peltoperlinae
Genus *Peltoperla* 5 species ENA
Genus *Sierraperla* 1 species PNW
Genus *Soliperla* 4 species PNW
Genus *Viehoperla* 1 species SE
Genus *Yoraperla* 2 species WNA

Superfamily Perloidea
Family Perlodidae
Subfamily Isoperlinae
Genus *Calliperla* 1 species PNW
Genus *Isoperla* 50 species PNA
Genus *Rickera* 1 species PNW
Subfamily Perlodinae
Genus *Arcynopteryx* 1 species NNA
Genus *Chernokrilus* 3 species PNW
Genus *Cultus* 4 species ANA
Genus *Diploperla* 2 species ENA
Genus *Diura* 2 species ANA, NNA
Genus *Helopicus* 2 species ENA
Genus *Hydroperla* 2 species ENA
Genus *Isogenoides* 9 species ANA, NNA
Genus *Kogotus* 3 species WNA
Genus *Malirekus* 1 species ENA
Genus *Megarcys* 5 species WNA
Genus *Oroperla* 1 species PNW
Genus *Osobenus* 1 species PNW
Genus *Perlinodes* 1 species WNA
Genus *Pictetiella* 1 species IW
Genus *Remenus* 1 species ENA
Genus *Setvena* 1 species WNA
Genus *Skwala* 2 species WNA
Genus *Yugus* 3 species SE

Family Chloroperlidae
Subfamily Chloroperlinae
Genus *Alloperla* 17 species ANA
Genus *Hastaperla* 3 species ANA
Genus *Neaviperla* 1 species WNA
Genus *Rasvena* 1 species ENA

Genus *Suwallia* 4 species ANA
Genus *Sweltsa* 23 species ANA
Genus *Triznaka* 3 species WNA
Subfamily Paraperlinae
Genus *Kathroperla* 1 species WNA
Genus *Paraperla* 2 species WNA
Genus *Utaperla* 2 species ANA

Family Perlidae
Subfamily Acroneurilnae
Genus *Acroneuria* 12 species PNA
Genus *Attaneuria* 1 species ENA
Genus *Beloneuria* 1 species SE
Genus *Claassenia* 1 species WNA, NNA
Genus *Calineuria* 1 species WNA
Genus *Doroneuria* 2 species WNA
Genus *Eccoptura* 1 species ENA
Genus *Hesperoperla* 1 species WNA
Genus *Perlesta* 2 species PNA
Genus *Perlinella* 3 species ENA

Subfamily Perlinae
Genus *Neoperla* 2 species PNA
Genus *Paragnetina* 5 species ENA
Genus *Phasganophora* 1 species ENA

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