

## RESEARCH IN PROGRESS ON PLECOPTERA

This is a new section in PERLA, that we would like to expand in future years. We envision that it will include announcements of research in progress by both scientists and students, and requests for study specimens. Please submit a paragraph and any requests for study material or other information from fellow scientists, to the Managing Editor - to be published in PERLA 14.

1. Graduate research on the "*Stoneflies of Nebraska*." Submitted by Dr. B. C. Kondratieff, Department of Entomology, Colorado State University, Fort Collins, CO, 80523, USA.

"Howard Rhodes, Colorado State University, is working on the stoneflies of Nebraska. Presently, twelve species have been collected or identified from borrowed material. Almost all of the river systems of western Nebraska (Republican, North Platte, Niobrara and White) have a *Taeniopteryx burksi*, *Pteronarcys pictetii*, *Isoperla marylnia*, *I. quinquepunctata* and *Perlesta decipiens* species composition."

2. Graduate doctoral research on "*Revision of World Suwalliinae (Chloroperlidae)*." Submitted by Dr. K. W. Stewart, Department of Biological Sciences, University of North Texas, Denton, TX, 76203, USA.

"Kevin D. Alexander is two years into a revision of the Chloroperlidae tribe Suwalliini of the world. All available types of North American *Suwallia* species have been obtained and are under study; collections of fresh topotypes, including males with field-extruded aedeagi, have been made during the past two summers along with extensive collections of fresh *Suwallia* material from every western state. *Suwallia* aedeagi are remarkably distinct and have revealed that material previously assigned to the type species *S. pallidula* actually belong to a complex of several cryptic species."

"Study of North American species will continue, but the greatest need, beginning in 1995, is to obtain the types of the nine described old world species and material from private and institutional collections for study. If you can supply any of the following *Suwallia* material, please contact Kevin D. Alexander and/or Dr. K. W. Stewart, at the above address at the University of North Texas:

- (1) any North American *Suwallia* material, including particularly males with extruded aedeagi;
- (2) any of the nine described old world species, hopefully including males having extruded aedeagi."

"Since we both plan to attend the Symposium in Switzerland, we would like to talk personally with any other participants about these possibilities."

3. Undergraduate research on "Cladistic Relationships of the *Neoperla clymene* Complex in North America." Submitted by Dr. Bill P. Stark, Department of Biological Sciences, Mississippi College, Clinton, MS, 39058, USA.

"Angela Smith, Mississippi College undergraduate student, is looking at the cladistic relationships of the *Neoperla clymene* complex in North America. Her research is sponsored by the Howard Hughes Medical Institute as part of an award for undergraduate research to the Mississippi College Biology Department."

4. Graduate doctoral research on "The Stoneflies of the Black Hills." Submitted by Dr. R. W. Baumann, Department of Zoology, Brigham Young University, Provo, UT, 84602, USA.

"Bret Huntsman has worked one year on a survey of the Plecoptera fauna of the Black Hills in South Dakota and Wyoming. He will actually examine the zoogeographic affinities of stoneflies in the northern United States but will use the Black Hills as a focal point between the eastern and western continental drainages."

"Please send any information or specimens of stoneflies from the Black Hills to Bret Huntsman or Dr. R. W. Baumann at the above address at Brigham Young University."

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## RECENT PLECOPTERA LITERATURE (CALENDAR YEAR 1994 AND EARLIER)

**AUDISIO, P. A., FOCHETTI, R. & P. ZWICK (1994):** Brachypterinae Erichson, 1845 (Insecta, Coleoptera) and Brachypterinae Zwick, 1973 (Insecta, Plecoptera): proposed removal of homonymy. - Bull. of Zool. Nomen. 51(4): 309-311.

**AZZOUZ, M. & A. SANCHEZ-ORTEGA (1992):** *Capnopsis schilleri* (Rostock, 1892) (Plecoptera: Capniidae), a new species of the stonefly fauna of Morocco. - Zool. baetica 3: 201 (in Spanish).

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