CURRENT RESEARCH ON PLECOPTERA

This section is intended to keep society members current on research in progress by other members, workers and students. Please use Editor Stewart's e-mail address (inside front cover) or conventional mail to submit a brief, informative description of your current work, for the next PERLA (22).

Richard Baumann, Brigham Young University–

1. Revision of the genus *Lednia* in the family Nemouridae with Boris Kondratieff.
2. Survey of the stoneflies of the Columbia River Gorge in Oregon and Washington with Gene Fiala of Gersham, Oregon.
3. Study of the Nemouridae of Mexico, with an emphasis on the genus *Amphinemura* with Boris Kondratieff.
4. Revision on the genus *Malenka* in the family Nemouridae with Boris Kondratieff.

These research projects are now in progress and will be completed in the approximate order that they are listed. My goal is to complete these studies before my projected retirement in July, 2006. In addition, I have several other commitments to patient colleagues that need to be completed soon.

If anyone has specimens of the above genera, please send them to the following address so that they can be included in these revisions. I am especially anxious to study all specimens that have been or will be collected anywhere in the Columbia River Gorge. All specimens will be well cared for and returned or deposited to the collection of your choice.

Thanks,

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Stanley W. Szczytko, University of Wisconsin, Stevens Point, is near completion of a revision of the genus *Isoperla* of eastern North America, and he and Ken Stewart are continuing a project with the goal of rearing and describing the nymphs of all western North America *Isoperla* species. The only western species nymph left undescribed is *I. gravitans*. Stan is also evaluating the water quality of Wisconsin streams, using macroinvertebrates as a bioassessment tool.

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Boris C. Kondratieff, Colorado State University –
Dr. Bill P. Stark and I have completed a manuscript on the perlid genus *Anacroneuria* of Mexico and Upper Mesoamerica. In this treatment, 38 species are recognized from Mexico, Belize, Guatemala, Honduras and Nicaragua. Fifteen are described as new.

If anyone has material of this genus from the above listed countries, we would be happy to identify them.

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Jane Earle, Pennsylvania Department of Environmental Protection, is continuing her studies of Pennsylvania stoneflies with emphasis on distribution, habitat preferences, and pollution tolerance, especially of coal mine drainage and acid precipitation. She is updating the PA species list. Current collection efforts are in the Potomac River basin of southcentral PA and in the Poconos of northeastern PA. She has also been identifying specimens from the Academy of Natural Science of Philadelphia, collected from eastern Pennsylvania and the New Jersey Pinelands.

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Jerry Jacobi has finished a checklist of N.M. Plecoptera (with Dick Baumann) except for a few lines of text. He will continue sampling temporary and other streams in the southwest (New Mexico and Arizona).
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Kenneth W. Stewart, University of North Texas –

Doctoral student John Sandberg is near completion of his study of the systematics, drumming behavior and ecology of the stonefly genus *Isogenoides*.

Other projects:

1. Ken and Stan Szczytko have reared *Isoperla tilasqua* from Oregon and a new species of *Isoperla* soon to be described.
2. Ken and Mark Oswood will complete a manuscript for a book "Stoneflies of Alaska and Northwestern Canada" in 2003. The project has been ongoing since 1980.

Bill Stark, Mississippi College, is continuing his studies of *Anacroneuria* and other Perlidae. He and Boris Kondratieff are working on a manuscript of *Anacroneuria* of Upper Meso-America (Belize, Guatemala, Honduras, Mexico). Bill is also working on *Anacroneuria* of Bolivia and Peru and Perlidae of Vietnam.

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