



The Mayfly Newsletter

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The Mayfly Newsletter

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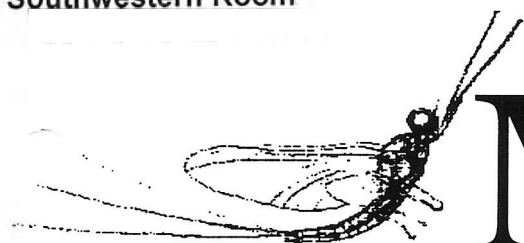
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THE MAYFLY NEWSLETTER

Vol. 13 No. 1

Southwestern Oklahoma State University, Weatherford, Oklahoma 73096-3098 USA

December 2003

2004 Joint International Conference

Colleagues:

The faculty and staff at the Flathead Lake Biological Station (FLBS) are pleased to host the 2004 Plecoptera-Ephemeroptera Conferences. FLBS is located on the east shore of Flathead Lake. Our facilities include fully-equipped labs and accommodations to house and feed up to 100 people.

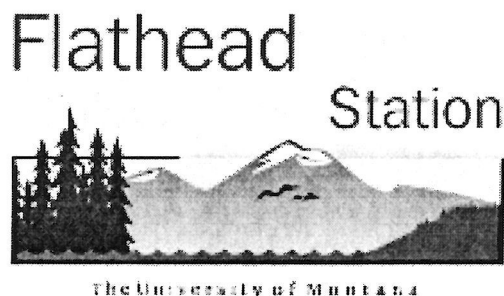
A mid-meeting tour is scheduled to our floodplain research site on the Middle Fork of the Flathead River. We have recently been awarded a \$2.6M NSF grant to work on biogeochemical cycling and biodiversity relationships on this big gravel-bed flood plain and look forward to showcasing this project.

Collecting opportunities are abundant and available in a wide variety of habitats. In addition, the Station grounds are spacious (ponderosa pine - grand fir forest) and collecting may be done on the lakeshore and in several local streams. See our web site for many pictures of the Station and area.

The web site provides all the information you need for abstracts and registration (www.umt.edu/flbs). In an effort to be environmentally-friendly, no printed information will be sent unless specifically requested.

Please plan to join us in Montana in August, 2004!

Jack A. Stanford
Bierman Professor and Director



XI International Conference on Ephemeroptera XV International Symposium on Plecoptera

22-29 August 2004

Flathead Lake Biological Station
The University of Montana
Polson, Montana, USA



Meeting website www.umt.edu/flbs
Abstracts and early registration
are due 8 March 2004

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2004 Conference News

Auction at Conference to Benefit W. L. Peters Travel Scholarship

An auction will be held at the XIth International Conference in Montana to benefit the William L. Peters Travel Scholarship Fund.

For now we are asking you to think about what you might like to donate to this auction. Certainly anything with a mayfly theme would be appropriate, such as books or other publications, color slides, photographs, artwork or jewelry. Collecting equipment, rare or unusual mayfly specimens, and tied flies for fly fishing would be good options, too.

Donated items do not have to deal with mayflies, though. For example, consider donating interesting art or craft work from your country or possibly souvenirs of Montana or the USA.

The next issue of the newsletter will provide more details about the auction.

Let me know what you plan to donate to this auction. I will make a list of these items for the next newsletter. If you would like to make suggestions about some interesting items to donate, send me a note and I'll list them in the spring issue of the newsletter.

In the meantime, if you have any suggestions or questions about this auction, please contact either me (see publication box on p.11) or Eduardo Domínguez, Facultad de Ciencias Naturales, Universidad Nacional de Tucumán, Miguel Lillo 251, 4.000 Tucumán, Argentina, fax 54(81)248025, mayfly@mail.unt.edu.ar.

Two Travel Scholarships Available for XIth International Conference

The Scholarship Subcommittee of the Permanent Committee of the International Conferences on Ephemeroptera will accept applications from all interested persons who wish to apply for 2 travel scholarships to attend the XIth International Conference on Ephemeroptera, which will be held 22-29 August 2004 in Montana, USA.

The purpose of this award is to defray some of the travel expenses, rather than to pay for them entirely (i.e., maximum scholarship will be \$Can 800 plus registration fees).

Applicants should include the following information: 1) name and date of birth, 2) mailing address (including telephone/fax numbers and email), 3) affiliation and present position, 4) reason(s) for the application, 5) title and summary of proposed presentation, 6) a resume and list of publications as a separate document.

Applications will be reviewed by the Subcommittee and should reach Prof. Javier Alba-Tercedor (Departamento de Biología Animal y Ecología, Facultad de Ciencias, Universidad de Granada, 18071 Granada, Spain) before 31 March 2004. Applications may also be sent by email to jalba@ugr.es.

Recipients of scholarships will be notified on or before 31 May 2004.

For more details, please contact Dr. Alba-Tercedor at the above address.

Proceedings of the 2001 Joint International Conference Now Available

The proceedings of the 2001 Joint International Conference in Perugia, Italy, have been mailed to participants. Elda Gaino and her associates have produced a wonderful publication.

In January 2004, articles from the proceedings will be on the conference website (www.unipg.it/maystone) in pdf format for authors to download and distribute as reprints.

For further information, contact Elda at maystone@unipg.it.

Copies of the Granada Conference Are Still Available

Proceeds Benefit Travel Scholarship

Copies of the Proceedings of the 6th Ephemeroptera Conference and 10th Plecoptera Conference (Granada, Spain) are available for US\$50 + \$5.00 postage. All proceeds will be placed in the travel scholarship fund.

To purchase a copy, contact John Flannagan, 456 Isabella Point Road, Salt Spring Island, British Columbia, Canada V8K 1V4, email jpfannagan@saltspring.com.

2002 Mayfly Bibliography

[Editor's note: This bibliography was published as the Ephemeroptera portion of the 2002(2003) North American Benthological Society's (NABS) *Current and Selected Bibliography on Benthic Biology*.]

The following is a list of current publications on Ephemeroptera that have been published up to and during 2002 and have not appeared in previous NABS Bibliographies.

I would appreciate receiving a reprint or complete bibliographic reference of any article about mayflies, especially if it contains scientific names, so that it may be included in next year's bibliography. Also, I would like to be informed of any corrections or omissions in this or past bibliographies. Suggestions are always welcome.

Please send all correspondence to Peter M. Grant, Department of Biological Sciences, Southwestern Oklahoma State University, 100 Campus Drive, Weatherford, Oklahoma 73096-3098 USA, phone (580) 774-3294, fax (580) 774-7140, email peter.grant@swosu.edu.

If you would like an electronic copy of this year's mayfly bibliography, simply send me a request via email. I will send this file to you as an attachment. This bibliography is also available on my website: <http://www.swosu.edu/~grantp/research.htm>.

- Abdoli, A.; Rahmani, H.; Rasooli, P. 2002. On the occurrence, diet and reproduction of *Neogobius fluviatilis* in Madarsoo stream, Golestan National Park (north eastern Iran). *Zool. Middle East* 26: 123-128.
- Ahn, B. 2002. Macroinvertebrate relationship to the temporal and spatial heterogeneity of lotic waters. *Essener Oekologische Schriften*. 17: 1-226. (In German)
- Alba-Tercedor, J. 2002. A new synonymy in *Baetis*: *Baetis nexis* Navas, 1918 is the valid name of *Baetis pentaplebedes* Ujhelyi, 1966 (Ephemeroptera: Baetidae). *Aquat. Insects* 24(1): 77-79.
- Alba-Tercedor, J.; Jaimez-Cuellar, P. 2001. First record of *Caenis pseudorivulorum* Keffermuller, 1960 (Ephemeroptera, Caenidae) in the Iberian Peninsula. *Bol. Asoc. Espanola Entomol.* 25(3-4): 132. (In Spanish)
- Andrew, R. H. 2001. Two mayflies newly recorded for Orkney together with a note on *Heptagenia lateralis*. *Orkney Field Club Bull.* 2001:54.
- Baker, R. 2001. Miscellaneous observation. *Norfolk Norwich Natur. Soc. Trans.* 34(1): 54.
- Baker, S. 2002. Food habits and feeding electivity of the turquoise darter, *Etheostoma inscriptum*, in a Georgia Piedmont stream. *J. Freshwater Ecol.* 17(3): 385-390.
- Ball, S. L. 2001. Tychoparthenogenesis and mixed mating in natural populations of the mayfly *Stenonema femoratum*. *Heredity* 87(3): 373-380.
- Ball, S. L. 2002. Population variation and ecological correlates of tychoparthenogenesis in the mayfly, *Stenonema femoratum*. *Biol. J. Linn. Soc.* 75(1): 101-123.
- Ban, Y.; Mita, T.; Mizutori, T.; Shiraki, K. 2002. Fish predation on the mass emerging mayfly, *Ephoron shigae* Takahashi (Ephemeroptera: Polymitarcyidae) in the Yahagi River in central Japan. *Int. Ver. Theor. Angew. Limnol. Verh.* 27(6): 3279-3285.
- Barbee, N. C. 2002. Grazer-algae interactions in a tropical lowland stream (Costa Rica). Dissertation: University of California, Santa Barbara.
- Barthelemy, G.; Brulin, M. 2000. Additions to the Ephemeroptera fauna of France (6): *Electrogena ujhelyii* (Sowa, 1981) (Ephemeroptera, Heptageniidae). *Ephemera* 2(1): 3-5. (In French, English summary)
- Bartosova, A. 2002. Estimating ecological risk to aquatic biota from physical and chemical impairment due to urbanization. Dissertation: Marquette University.
- Bauernfeind, E.; Humpesch, U. H. 2001. The mayflies of Central Europe (Insecta: Ephemeroptera): Identification and ecology. *Verlag Naturhistorischen Mus. Wien* 2001:1-239. (In Austrian).
- Bechly, G.; Brauckmann, C.; Zessin, W.; Groening, E. 2001. New results concerning the morphology of the most ancient dragonflies (Insecta: Odonatoptera) from the Namurian of Hagen-Vorhalle (Germany). *J. Zool. Syst. Evol. Res.* 39(4): 209-226.
- Begnaud, J. A. 2002. The effect of prescribed burning on benthic macroinvertebrate communities of two east Texas creeks. Thesis: Stephen F. Austin State University.
- Belanger, S. E.; Bowling, J. W.; Lee, S. M.; LeBlanc, E. M.; Kerr, K. M.; McAvoy, D. C.; Christman, S. C.; Davidson, D. H. 2002. Integration of aquatic fate and ecological responses to linear alkyl benzene sulfonate (LAS) in model stream ecosystems. *Ecotoxicol. Environ. Safety* 52(2): 150-171.
- Bello, C. C. L.; Cabrera, F. M. I. 2001. Nymphal feeding of Leptophlebiidae (Insecta: Ephemeroptera) in the Cano Paso del Diablo, Venezuela. *Rev. Biol. Trop.* 49(3-4): 999-1003. (In Spanish)
- Benstead, J. P. 2001. Stream community and ecosystem responses to deforestation in eastern Madagascar. Dissertation: University of Georgia.
- Benway, J. M. 2002. Shortnose sturgeon (*Acipenser*

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- Berrahou, A.; Cellot, B.; Richoux, P. 2001. Longitudinal distribution of benthic macroinvertebrates in the Moulouya River (Morocco). *Ann. Limnol.* 37(3): 223-235. (In French).
- Beutel, R. G.; Gorb, S. N. 2001. Ultrastructure of attachment specializations of hexapods (Arthropoda): Evolutionary patterns inferred from a revised ordinal phylogeny. *J. Zool. Syst. Evol. Res.* 39(4): 177-207.
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- Bosi, G. 2001. Abundance, diversity and seasonal succession of dytiscid and noterid beetles (Coleoptera: Adephaga) in two marshes of the Eastern Po Plain (Italy). *Hydrobiologia* 459: 1-7.
- Boyero, L. 2002. Insect biodiversity in freshwater ecosystems: Is there any latitudinal gradient? *Mar. Freshwater Res.* 53(4): 753-755.
- Braasch, D. 2001. *Baetis digitatus* Bengtsson 1912 and *Baetis lutheri* Mueller-Liebenau 1967 (Insecta, Ephemeroptera) new for Brandenburg. *Lauterbornia* 41: 23-26. (In German)
- Braddy, S. J.; Briggs, D. E. G. 2002. New Lower Permian nonmarine arthropod trace fossils from New Mexico and South Africa. *J. Paleontol.* 76(3): 546-557.
- Bradley, D. C.; Ormerod, S. J. 2002. Long-term effects of catchment liming on invertebrates in upland streams. *Freshwater Biol.* 47(1): 161-171.
- Brauns, M.; Offinger, W. 2002. Remarkable records of aquatic insects (Ephemeroptera, Coleoptera, Trichoptera) from the northern Harz Mountains, Saxony-Anhalt / Germany. *Lauterbornia* 44: 73-82. (In German)
- Brettfeld, R.; Zimmerman, W. 2001. Red list of the mayflies (Ephemeroptera) of Thuringia. 2nd edition. *Naturschutzreport* 18: 72-75. (In German)
- Brittain, J. E. 2000. Professor William Lee Peters (1939-2000). *Ephemera* 2(1): 1.
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- Buffagni, A. 2001. The use of benthic invertebrate production for the definition of ecologically acceptable flows in mountain rivers. Pages 31-41. *IN: Acreman, M. C. (ed.). Hydro-ecology: Linking hydrology and aquatic ecology.* International Association of Hydrological Sciences, Wallingford.
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- Caldwell, B. A.; Wiersema, N. A. 2002. New records and observations for parasitic chironomid midges (Diptera: Chironomidae) and their mayfly (Ephemeroptera) hosts. *Entomol. News* 113(1): 11-14.
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- Carey, J. R. 2002. Longevity minimalists: Life table studies of two species of northern Michigan adult mayflies. *Exp. Gerontol.* 37(4): 567-570.
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- Da-Silva, E. R. 2002. Description of the nymph of *Farrodes carioca* Dominguez, Molineri & Peters, 1996 (Insecta, Ephemeroptera, Leptophlebiidae). *Bol. Mus. Nac. Rio de Janeiro Zool.* 0(495): 1-5. (In Portuguese, English summary)
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Fauna of New Zealand 46: Revision of Nesameletidae

Hitchings, T.R. and A.H. Staniczek. 2003. Nesameletidae (Insecta: Ephemeroptera). *Fauna of New Zealand* 46, 72 pp. Manaaki Whenua Press, Lincoln. ISBN 0-478-09349-7.

The New Zealand members of the mayfly family Nesameletidae are revised. The two presently named species, *Nesameletus ornatus* and *Nesameletus flavitinctus*, are redescribed, and three new species (*N. murihiku*, *N. austrinus*, and *N. vulcanus*) are added to the genus *Nesameletus*. The eggs and larval stages of the different species are also described and associated with their respective adult stages.

The diagnosis of the genus *Nesameletus* is specified, and the autapomorphies of the Nesameletidae are listed. The phylogenetic relationships within the genus and family are also discussed. Notes on ecology are given, and distribution

maps of the species are provided. Diagnostic characters of the species are illustrated and keys are provided for all life stages. To view more information about this publication or to order it, go to <http://www.mwpress.co.nz/store/viewItem.asp?idProduct=385>.

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