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The Mayfly Newsletter

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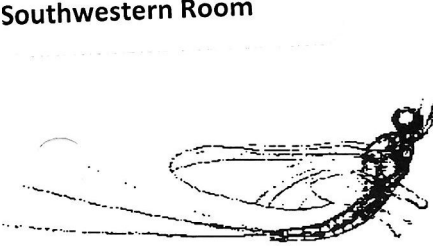
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THE MAYFLY NEWSLETTER

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The William L. Peters Scholarship Fund

The Permanent Committee of the International Conferences on Ephemeroptera (the committee) is attempting to establish a William L. Peters Memorial Scholarship in memory of our long time Chairman, Bill Peters. Interest from the funds raised will be used to provide a scholarship to allow a student of Ephemeroptera to travel to the international mayfly meetings. It is hoped that the first scholarship will be awarded for travel to the 11th meeting.

The scholarship will be administered through the committee's scholarship subcommittee and will be

See related articles on page 3.

part of the fund registered as a "Charitable Educational Fund" under Canadian Taxation laws.

You may contribute directly to the fund by sending cash to John Flannagan at the address listed below. Canadian residents are eligible to deduct any such donations as "Charitable deductions" from their annual income tax. US residents may deduct 50% of the amount donated in each of two years. Residents of other countries may be able to deduct part or all of their donation and, if so, may request an "official receipt."

We are, in addition, attempting to raise money for this scholarship through a number of other activities:

We have copies of the following for sale:

- Proceedings of the 4th International Ephemeroptera Conference (Czechoslovakia)¹ US\$25 + \$5.00 Postage.
- Proceedings of the 6th International Ephemeroptera Conference (Granada) (includes the 10th Symposium on Plecoptera)² US\$50 + \$5.00 Postage.
- Distributional and quantitative patterns of Ephemeroptera and Plecoptera in the

Czech Republic: A possibility of detection of long term environmental changes of aquatic biotopes. (Soldan et al. 1998)³ US\$15 + \$5.00 Postage.

The above publications may be ordered from John Flannagan.

We are currently auctioning one complete set of the Ephemeroptera Conference Proceedings so far published⁴ (including the Argentine one still in press). Bids may be emailed to John Flannagan. John will monitor bids daily and the highest bid of the day will be posted at Ephemeroptera Galactica (www.famu.org/mayfly). Bidding will close one month after delivery of this newsletter. Please let your library know.

In order to avoid the high charges associated with international cheques, we are encouraging purchasers of these publications to send cash, preferably in registered envelopes. All cash sent will be acknowledged by a receipt.

We are also hoping to organize an auction of mayfly memorabilia at the Perugia meeting - bring your treasures to the meeting!! More information on this can be found on page 3 of this newsletter.

Cash donations, orders and bids should be sent to J. Flannagan, 456 Isabella Point Rd, SaltSpring Isl., BC, Canada V8K 1V4. Email him at jpflannagan@saltspring.com.

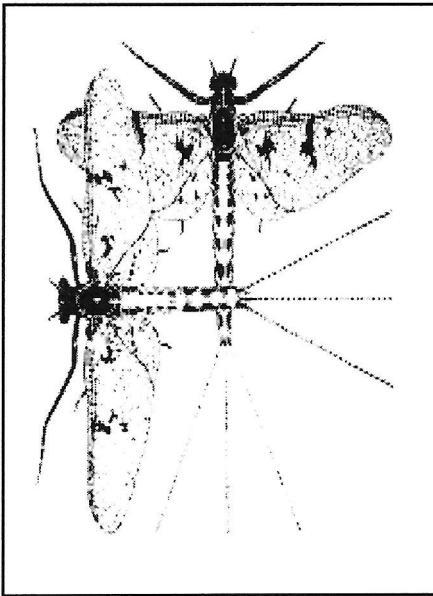
Generously donated by: ¹ V. Landa and T. Soldan, ²J. Alba Tercedor, ³ T. Soldan, ⁴Jan Peters and donations by I. Campbell, E. Domínguez and M. Sartori.

Inside This Issue

<i>EPEMERA</i> , Mayflies of the USA Web Site	2
Conference Information: Perugia Update, Travel Scholarships, Auction, Proceedings	3
Mick's Book, East African Mayflies, Editor's Errors	4
NABS 1999(2000) Bibliography	5
Address Updates	12



EPHEMERA: A European Journal Devoted to the Study of Mayflies



[Editor's note: The following information was supplied by Alain Thomas.]

The journal *EPHEMERA* appeared following our national inventory of mayflies (INVFMR) - the result of field work of more than 100 collectors from all over France, coordinated by Michel Brulin and Gerard Masselot. Numerous original quotations and lists of species were to be expected from many areas.

On the other hand, at an international point of view, the fate of the two main French journals, which have published dozens of papers on mayflies from all over the world since 1965, is questioned. The *Bulletin de la Societe d'Histoire naturelle de Toulouse* (only one issue per year presently) may disappear soon, unfortunately, after 135 years. The *Annales de Limnologie* (Impact Factor now near 0.6) may no longer accept papers on systematics.

EPHEMERA is a European journal devoted to the study of mayflies. The covered area, as to the published papers, is Europe west of Ural, also including the circum-mediterranean countries. However, at present, the French account for more than 90% of the subscribers. Since biomonitoring is of great concern in French overseas territories (e.g., mainly French Lesser Antillae and Guiana, and New Caledonia), papers from these countries will also be accepted. It is hoped that the covered area will be expanded to the entire world as soon as possible, but presently the main preoccupation is indeed the financial survival of the journal.

There are two issues per year, of about 70 pages each in the size 17 X 24 cm. Papers beyond 8 printed pages can be accepted after a decision by the committee. In case of multiple authors, only one must subscribe. It must be stressed that the theme of the journal is "mayflies," so all topics dealing with mayflies are welcome: taxonomy and systematics, phylogeny, faunistics, ecology, biomonitoring, life cycles, ethology, paleontology, etc.

For additional information, contact *EPHEMERA*, 13 rue Saint-Michel 78150 Le Chesnay, FRANCE, fax 01 39 55 29 52, email mb@invfmr.org.

Mayflies of the United States Web Site

[Editor's note: The following information was provided by Boris Kondratieff.]

This web site is a "work in progress," consisting of information on the known distribution of mayflies in the United States. Distribution maps and county checklists were created by extracting information on mayfly distribution from publications listed in the reference section of this site.

Users of this web site should recognize that lack of a confirmed sighting in a given county does not necessarily mean that the species is absent from that county.

Because it is a "work in progress," the Mayflies of the United States web site is constantly being updated. Additional families, photos, and species accounts will be added as funds and time permit, and distribution maps of species that

are already covered are being updated as new county records are established.

Distribution maps are currently limited to states of the conterminous United States. Persons with knowledge of additional publications or with information on mayfly distribution are asked to contact Boris at the address that follows.

Checklists of all species reported in a particular county or region are provided as are links to other mayfly resources on the internet.

Publications used to compile distribution records and aid in the construction of this resource are listed as well as those with general information about mayflies

To assist Boris with this project, please contact him at C.P. Gillette Museum of Arthropod Diversity, Department of Bioagricultural Sciences and Pest Management, Colorado State University, Fort Collins, CO 80523 USA, and send email to Boris at bkondrat@ceres.agsci.colostate.edu.

Mayflies of the United States

Coordinated by Boris C. Kondratieff

www.npwrc.usgs.gov/resource/2000/mfly/mflyusa.htm

Mayfly Conference News

Xth Conference in Perugia

Elda reports that the planning is going well for the conference in Perugia, Italy, next year.

The conference web site (www.unipg.it/maystone) has been recently updated with information and forms for registration, abstracts, posters, and accommodations (special arrangements for students).

Deadlines include the following:

28 February – registration and abstract

31 March – scholarship form

April – hotel reservations

11 August – manuscripts to the editor

Those who returned the pre-registration forms by mail will receive the registration forms by mail, also. For additional information, send an email to maystone@unipg.it.

Student Scholarship Announcement

Xth International Conference on Ephemeroptera

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 a travel scholarship to attend the Xth International Conference on Ephemeroptera in Perugia, Italy.

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 and/or accommodation).

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 2001. Applications may also be sent by email to jalba@ugr.es.

Recipients of scholarships will be notified on or before 31 May 2001.

For more details, please consult the official conference web page at www.unipg.it/maystone.

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

An auction will be held at the Xth International Conference in Perugia to benefit the William L. Peters Scholarship Fund. This auction is in addition to that being conducted by John Flannagan (see related article on p. 1).

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 Italy.

Auction!

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. 4) or Eduardo Domínguez, Facultad de Ciencias Naturales, Universidad Nacional de Tucumán, Miguel Lillo 251, 4.000 Tucumán, Argentina, fax 54(81)248025, email mayfly@unt.edu.ar.

Proceedings of the IXth Conference in Press

Eduardo Domínguez reports that the proceedings of the IXth International Conference on Ephemeroptera and the XIIIth International Symposium on Plecoptera are in press. The title of the proceedings will be *Trends in Research in Ephemeroptera and Plecoptera* and it is being published by Kluwer Academic/Plenum Publishers.

East African Mayflies

J. M. Mathooko

I am at the moment writing a manuscript entitled, "Atlas of East African Ephemeroptera." The late Dr. M. T. Gillies was assisting me. I request any ephemeropterist, who might have any literature or relevant information on East African mayflies, to send it to me at the address below.

I am interested in promoting mayfly studies here in Kenya and in East Africa as a whole, where the taxonomy is poorly known. Any ephemeropterist with East African mayflies can contact me at the Department of Zoology, Egerton University, P.O. Box 536, Njoro, Kenya, email jmmathooko@egerton.ac.ke or zoology@egerton.ac.ke.

The Mayfly Newsletter is the official newsletter of the International Conferences on Ephemeroptera and is published twice a year to facilitate communication among ephemeropterists. Subscriptions to the *Newsletter* are free. To place your name on the mailing list or to contribute information for the next issue, contact Peter M. Grant, editor, *The Mayfly Newsletter*, 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 grantp@swosu.edu. This publication was authorized by the Dean of Arts and Sciences and was printed at a cost of \$225.00 for 500 copies.

Editor Explains Embarassing Errors

The fallibility of the editor of this newsletter has never been in question. But just in case it has, I'm providing the following evidence.

In the last issue I listed the members of the Permanent Committee of the International Conferences on Ephemeroptera. That is, I listed all but two members.

I failed to indicate that our friend and colleague, John Brittain, is a member. In fact, John is not only a member of the Permanent Committee but is also a member of the Standing Committee of the International Society of Plecopterologists. He enjoys the best of both worlds. My apologies to John.

John Flannagan pointed out my other gaffe – his daughter Kirstin is also a full member of the committee. Kirstin has often (always?) been the youngest person in attendance at our conferences. Perhaps one day John will have a granddaughter who will be the youngest person present.

While it is embarrassing for me to commit such errors, it is rewarding to know that people are reading the newsletter and are willing to point out my mistakes. Should anyone encounter errors or omissions in this publication, please bring them to my attention.

Mayfly Web Sites

Mayfly Central

<http://www.entm.purdue.edu/entomology/research/mayfly/mayfly.html>

Ephemeroptera Galactica

<http://www.famu.org/mayfly>

The Electrogena Pages

<http://webspaces.pronet.it/c.belfiore/Electrogena/> [new address]

Mayfly Korea

<http://myhome.shinbiro.com/~monka/index.html>

Nomina Insecta Nearctica (Ephemeroptera)

<http://www.nearctica.com/nomina/oddbugs/ephem.htm>

The Mayflies of South Africa

<http://www.ru.ac.za/academic/departments/zoonto/Martin/ephemeroptera.html>

Ephemeroptera Germanica

<http://www.uni-mainz.de/~hayba005/>

Ephemeroptera from France

http://www.invmr.org/benthos_E.htm

Mayflies of the United States

<http://www.npwrc.usgs.gov/resource/2000/mfly/mflyusa.htm>

Ephemeroptera of Texas

<http://www.utexas.edu/research/bfl/collections/aqinsects/ephem.htm>

Mick's Book

Michel Sartori has passed on some information he received from Eva Gillies. Mick's autobiography, *The Mayfly on the Stream of Time*, is on the way to be published. This book may be ordered through Cliffe Bookshop, 22 Cliffe High Street, Lewes, East Sussex, United Kingdom BN7 2AH, phone +44(0) 1273 471150, email info@cliffe-bookshop.co.uk, web page www.cliffe-bookshop.co.uk.

I recently inquired about the availability of Mick's book. Unfortunately, this bookshop was damaged by recent flooding. The owners expect the repairs to take several months. In the meantime they suggest monitoring the above web site for updates.

1999 Mayfly Bibliography

[Editor's Note: This bibliography was published as the Ephemeroptera portion of the 1999(2000) North American Benthological Society's (NABS) *Current and Selected Bibliography on Benthic Biology*.]

The following is a list of current publications dealing with Ephemeroptera that have been published up to and during 1999 and have not appeared in previous NABS Bibliographies.

I would appreciate receiving a reprint or complete bibliographic reference of any article that deals with 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 grantp@swosu.edu.

If you would like an electronic copy of this year's mayfly bibliography, simply send me a request via email and I will send this file to you as an attachment.

- Alba Tercedor, J.; Mosquera, S. 1999. *Caenis chamie*, a new species from Colombia (Ephemeroptera: Caenidae). Pan-Pac. Entomol. 75(2): 61-67.
- Ali, A.; Xue, R. D.; Alam, S. K. 1997. Ecotoxicological effects of abamectin (MK-936) on natural populations of selected invertebrates in man-made ponds. Medical Entomol. Zool. 48(3): 233-241.
- Anderson, D. J.; Vondracek, B. 1999. Insects as indicators of land use in three ecoregions in the prairie pothole region. Wetlands 19(3): 648-664.
- Angradi, T. R. 1999. Fine sediment and macroinvertebrate assemblages in Appalachian streams: A field experiment with biomonitoring applications. J. N. Amer. Benthol. Soc. 18(1): 49-66.
- Aoyagi, I.; Tetsuka, M.; Nakamura, K. 1998. Morphology of early instar larvae and life history of *Ephoron eophilum* (Ephemeroptera: Polymitarcyidae). Japanese J. Limnol. 59(2): 185-198.
- Armqvist, G. 1998. Comparative evidence for the evolution of genitalia by sexual selection. Nature 393(6687): 784-785.
- Arto, H. 1998. Antipredator behaviour of lotic insects: Responses to fish and invertebrate predators. Acta Univ. Oulu. A Sci. Rerum Natur. 0(317). [no pagination]
- Audisio, P.; Fochetti, R.; Belfiore, C.; DeBiase, A. 1994. A multimethod approach to the biogeography of Italian river systems (Coleoptera: Hydraenidae; Plecoptera; Ephemeroptera). Atti Congresso Nazionale Italiano Entomol. 17: 179-182.
- Bailey, R. C.; Day, K. E.; Norris, R. H.; Reynoldson, T. B. 1995. Macroinvertebrate community structure and sediment bioassay results from nearshore areas of North American Great Lakes. J. Great Lakes Res. 21(1): 42-52.
- Baron, L. A.; Sample, B. E.; Suter, G. W., II. 1999. Ecological risk assessment in a large river reservoir: 5. Aerial insectivorous wildlife. Environ. Toxicol. Chem. 18(4): 621-627.
- Bartsch, M. R.; Cope, W. G.; Rada, R. G. 1999. The effects of cadmium-spiked sediment on cadmium accumulation and bioturbation by nymphs of the burrowing mayfly *Hexagenia bilineata*. Water Air Soil Pollut. 109(1-4): 277-292.
- Baumgardner, D. E.; Wiersema, N. A. 1999. Additions to the inventory of Texas mayflies (Ephemeroptera). Entomol. News 110(1): 70-71.
- Beamish, F. W. H.; Noakes, D. L. G.; Rossiter, A. 1998. Feeding ecology of juvenile lake sturgeon, *Acipenser fulvescens*, in Northern Ontario. Canadian-Field Natur. 112(3): 459-468.
- Beaty, B. J.; Black, W. C.; Carlson, J. O.; Clements, W. H.; Duteau, N.; Harrahy, E.; Nuckols, J.; Olson, K. E.; Rayms, K. A. 1998. Molecular and genetic ecotoxicologic approaches to aquatic environmental bioreporting. Environ. Health Perspect. 106(Suppl. 6): 1395-1407.
- Belfiore, C.; Sartori, M. 1999. Redescription of *Electrogena galileae* (Demoulin, 1973) (Ephemeroptera, Heptageniidae). Rev. Suisse Zool. 106(4): 1025-1034.
- Benke, A. C.; Huryn, A. D.; Ward, G. M. 1998. Use of empirical models of stream invertebrate secondary production as applied to a functional feeding group. Int. Ver. Theor. Angew. Limnol. Verh. 26(4): 2024-2029.
- Berglund, S. A.; Engblom, E.; Lingdell, P. E. 1999. Naturally rare, threatened, or overlooked? *Semblis phalaenoides* and *S. atrata* (Trichoptera: Phryganeidae) in Sweden. Entomol. Tidskr. 120(1-2): 1-16. [In Swedish]
- Bischoff, A.; Freyhof, J. 1999. Seasonal shifts in day-time resource use of 0+ barbel, *Barbus barbus*. Environ. Biol. Fishes 56(1-2): 199-212.
- Borgmann, U.; Norwood, W. P. 1999. Sediment toxicity testing using large water-sediment ratios: An alternative to water renewal. Environ. Pollut. 106(3): 333-339.
- Boudou, A.; Inza, B.; Lemaire-Gony, S.; Maury-Brachet, R.; Odin, M.; Ribeyre, F. 1998. Metal bioaccumulation in freshwater systems: Experimental study of the actions and interactions between abiotic and contamination factors. Pages 451-482. In: Schuurmann, G.; Markert, B. (eds.). Ecotoxicology: Ecological fundamentals, chemical exposure, and biological effects. John Wiley & Sons, Inc., New York. 900 pp.
- Braasch, D. 1999. Mayflies from the northwestern China (Insecta: Ephemeroptera). Faun. Abhandlung. Dresden 21(10-25): 211-214. [In German]
- Braasch, D.; Michels, U.; Grundler, B. 1998. *Caenis rivulorum* Eaton, 1884 (Ephemeroptera) – new for the Land of Brandenburg. Entomol. Nachr. Ber. 42(1-2): 49-50.
- Bradford, D. F.; Cooper, S. D.; Jenkins, T. M., Jr.; Kratz, K.; Sarnelle, O.; Brown, A. D. 1998. Influences of natural acidity and introduced fish on faunal assemblages in California alpine lakes. Canadian J. Fish. Aquat. Sci. 55(11): 2478-2491.
- Brinkmann, R.; Reusch, H. 1998. Notes on the distribution of all known species of Ephemeroptera and Plecoptera (Insecta) in the lowland of North Germany from different biotopes. Braunschweiger Natur. Schriften 5(3): 531-540. [In German]
- Buffagni, A. 1998. *Heptagenia longicauda*, new for Italy, in the Po River (Ephemeroptera, Heptageniidae). Boll. Soc. Entomol. Itali. 130(1): 13-16.
- Buffagni, A.; Belfiore, C. 1994. Recent results in taxonomic and faunistic studies on Italian mayflies (Ephemeroptera). Atti Congresso Nazionale Itali. Entomol. 17: 175-178.
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- Buffagni, A.; Desio, F. 1994. Northern Italy species of genus *Baetis* Leach (Ephemeroptera: Baetidae). *Atti Congresso Nazionale Itali. Entomol.* 17: 413-416.
- Buffagni, A.; Desio, F. 1998. *Ephemerella zettana* Kimmins, 1937, in northeastern Italy (Insecta: Ephemeroptera: Ephemeridae). *Gortania Atti Mus. Friulano Storia Natur.* 20(0): 167-171. [in Italian]
- Callander, G. 1995. Mayflies. *Shetland Entomol. Group Newsletter* 9: 5.
- Cano, E.; Jimenez, A.; Cabral, J. A.; Ocete, M. E. 1999. Acute toxicity of malathion and the new surfactant "Genapol OXD 080" on species of rice basins. *Bull. Environ. Contam. Toxicol.* 63(1): 133-138.
- Carbone, J.; Keller, W.; Griffiths, R. W. 1998. Effects of changes in acidity on aquatic insects in rocky littoral habitats of lakes near Sudbury, Ontario. *Restoration Ecol.* 6(4): 376-389.
- Carl, M. 1997. The disused gravel pit Jesenwang – a species reservoir for Furstenfeldbruck region (Upper Bavaria). 1. Checklist of aquatic insects (Ephemeroptera, Odonata, Heteroptera, Planipennia, Coleoptera, Trichoptera). *Nachr. Bayerischen Entomol.* 46(3-4): 81-89.
- Chessman, B. C.; Boulton, A. J. 1999. Occurrence of the mayfly family Teloganodidae in northern New South Wales. *Australian J. Entomol.* 38(2): 96-98.
- Cieminski, K. L.; Flake, L. D. 1995. Invertebrate fauna of wastewater ponds in southeastern Idaho. *Great Basin Natur.* 55(2): 105-116.
- Clements, W. H. 1995. Tolerance of benthic macroinvertebrate populations and communities to heavy metals: the influence of previous exposure. *Bull. Ecol. Soc. Amer.* 76 (2 Suppl. Part 2): 49.
- Clements, W. H. 1999. Metal tolerance and predator-prey interactions in benthic macroinvertebrate stream communities. *Ecol. Appl.* 9(3): 1073-1084.
- Codreanu-Balcescu, D. 1995. Ultrastructural features of the life cycle of microsporidia belonging to the genus *Tuzetia* from Ephemeroptera. *Europe. J. Protistol.* 31(4): 413-414.
- Coelho, J. R. 1999. Body temperature and flight muscle ratio in the burrowing mayfly, *Hexagenia bilineata*. *J. Freshwater Ecol.* 14(3): 337-341.
- Corigliano, M. D. C.; Gualdoni, C. M.; Oberto, A. M.; Raffaini, G. B. 1998. Structural attributes of invertebrate drift in the Chocancharava River, Argentina. *Ecol. Austral.* 8(1): 5-12 [In Spanish]
- Courtney, L. A.; Clements, W. H. 1998. Effects of acidic pH on benthic macroinvertebrate communities in stream microcosms. *Hydrobiologia* 379: 135-145.
- Crosa, G.; Buffagni, A. 1995. Size related shift in the realized niches of two mayfly species. *Atti Della Soc. Itali. Ecol.* 16: 449-451.
- Csia, K. E.; Sarkany, K. A. 1997. The comparative study of Ephemeroptera fauna in the Crisul Repede/Sebes-Koros River and in one of the Mures/Maros section. Pages 269-274. *In: Sarkany, K. A.; Hamar, J. (eds.). The Cris/Koros rivers' valleys. A study of the geography, hydrobiology and ecology of the river system and its environment. Tisza Klub & Liga Pro Europa, Szolnok, Hungary.* 397 pp.
- Dahl, J. 1998. Effects of a benthivorous and a drift-feeding fish on a benthic stream assemblage. *Oecologia* 116(3): 426-432.
- Dahl, J.; Greenberg, L. 1999. Effects of prey dispersal on predator-prey interactions in streams. *Freshwater Biol.* 41(4): 771-780.
- Dallas, H. F.; Janssens, M. P.; Day, J. A. 1999. An aquatic macroinvertebrate and chemical database for riverine ecosystems. *Water S. A. Pretoria* 25(1): 1-8.
- DaSilva, E. R. 1997. On the food of nymphs of *Callibaetis guttatus* Navas, 1915 (Ephemeroptera, Baetidae) in a temporary marsh at the littoral of Rio de Janeiro State, Brazil. *Rev. Brasileira Entomol.* 41(1): 53-55.
- DaSilva, E. R.; Coelho, L. B. N. 1998. Catalogue and historical notes of *Callibaetis guttatus* Navas, 1915, and its synonyms (Ephemeroptera, Baetidae). *Rev. Brasileira Entomol.* 41(2-4): 169-171. [In Portuguese]
- Dean, J. C.; Forteach, G. N. R.; Osborn, A. W. 1999. *Loamaggalanga pedderensis* gen. and sp. nov.: A new mayfly from Tasmania (Ephemeroptera: Leptophlebiidae: Atalophlebiinae). *Australian J. Entomol.* 38(2): 72-76.
- Death, R. G. 1995. Spatial patterns in benthic invertebrate community structure: products of habitat stability or are they habitat specific? *Freshwater Biol.* 33(3): 455-467.
- Derka, T.; Devan, P. 1999. New records of mayflies (Ephemeroptera) from Slovakia. *Biol. Bratislava* 54(2): 223-224.
- DeSouza Braga, F. M. 1998. Feeding of *Plagioscion squamosissimus* (Osteichthyes, Sciaenidae) in the Barra Bonita Dam, Piracicaba River, State of Sao Paulo. *Iheringia Ser. Zool.* 84: 11-19.
- Deutsch, J. 1996. Is the chromatin control of Hox genes expression conserved by evolution? *Med. Sci.* 12(8-9): 959-967. [In French]
- Dickman, M.; Rygiel, G. 1998. Municipal landfill impacts on a natural stream located in an urban wetland in regional Niagara, Ontario. *Can. Field-Natur.* 112(4): 619-630.
- Dobrin, M.; Corkum, L. D. 1999. Can fluctuating asymmetry in adult burrowing mayflies (*Hexagenia rigida*, Ephemeroptera) be used as a measure of contaminant stress? *J. Great Lakes Res.* 25(2): 339-346.
- Dominguez, E. 1999. Systematics, cladistics, and biogeography of the American genus *Farrodes* (Ephemeroptera: Leptophlebiidae: Atalophlebiinae). *Zool. J. Linn. Soc.* 126(2): 155-189.
- Dudgeon, D. 1999. Patterns of variation in secondary production in a tropical stream. *Arch. Hydrobiol.* 144(3): 271-281.
- Duffield, R. M.; Nelson, C. H. 1998. Stoneflies (Plecoptera) in the diet of brook trout (*Salvelinus fontinalis* Mitchell) in Libby Creek, Wyoming, USA. *Hydrobiologia* 380: 59-65.
- Durfee, R. S.; Kondratieff, B. C. 1999. Notes on North American *Baetis* (Ephemeroptera: Baetidae): *Baetis moffatti* new synonym of *B. tricaudatus* and range extension for *B. bundyae*. *Entomol. News* 110(3): 177-180.
- Dyer, S. D.; White, H. C. E.; Wang, X.; Johnson, T. D.; Carr, G. J. 1997(1998). Determining the influence of habitat and chemical factors on instream biotic integrity for a southern Ohio watershed. *J. Aquat. Ecosystem Stress Recovery* 6(2): 91-110.
- Eisendle, U.; Waringer, J. 1999. Phenology of mayflies, stoneflies and caddisflies in a small sandstone brook of the Wienerwald area (Weidlingbach, Niederosterreich). *Lauterbornia* 35: 21-31.
- Elexova, E. 1998. Interaction of the Danube River and its left side tributaries in Slovak stretch from benthic fauna point of view. *Biol. Bratislava* 53(5): 621-632.
- Elouard, J.-M.; Sartori, M.; Gattolliat, J.-L.; Oliarinony, R. 1999. *Probosciodoplocia* (Ephemeroptera, Polymitarcyidae) from the Reserve Naturelle Integrale d'Andohahela and surrounding areas, with a description of a new species. *In: Goodmann, S. M. (ed.). A floral and faunal inventory of the Reserve Naturelle*

- Integrale d'Andohahela, Madagascar: With reference to elevational variation. *Fieldiana Zoology* 94: 111-114.
- Farara, D. G.; Burt, A. J. 1995. Assessment of Detroit River sediments and benthic macroinvertebrate communities – 1991. *Canadian Tech. Rep. Fish. Aquat. Sci.* 0(2050): 56-57.
- Finlay, K. J. 1999. Taxonomic and life history notes on Australian *Nousia* and *Koornonga* (Ephemeroptera: Leptophlebiidae). Pages 196-198. *In: Ponder, W.; Lunney, D. The other 99%. The conservation and biodiversity of invertebrates.* Trans. Royal Zool. Soc. New South Wales, Mosman.
- Forrester, G. E.; Dudley, T. L.; Grimm, N. B. 1999. Trophic interactions in open systems: Effects of predators and nutrients on stream food chains. *Limnol. Oceanogr.* 44(5): 1187-1197.
- France, R. L. 1998. Density-weighted delta¹³C analysis of detritivory and algivory in littoral macroinvertebrate communities of boreal headwater lakes. *Ann. Zool. Fennici* 35(3): 187-193.
- Fritz, K. M.; Dodds, W. K.; Pontius, J. 1999. The effects of bison crossings on the macroinvertebrate community in a tallgrass prairie stream. *Amer. Midl. Nat.* 141(2): 253-265.
- Gaino, E.; Reborá, M. 1998. Contribution to the study of *Enterocystis racovitzai*, a gregarine parasite of *Baetis rhodani* (Ephemeroptera: Baetidae). *Acta Protozool.* 37(3): 125-131.
- Gaino, E.; Reborá, M. 1998. Ultrastructure of the antennal sensilla of the mayfly *Baetis rhodani* (Pictet) (Ephemeroptera: Baetidae). *Int. J. Insect Morphol. Embryol.* 27(2): 143-149.
- Gaino, E.; Reborá, M. 1999. Flat-tipped sensillum in Baetidae (Ephemeroptera): A microcharacter for taxonomic and phylogenetic considerations. *Invertebr. Biol.* 118(1): 68-74.
- Gaino, E.; Reborá, M. 1999. Larval antennal sensilla in water-living insects. *Microscop. Res. Tech.* 47:440-457.
- Galdean, N. 1997. Some comments about the benthic communities of the Iza River (Maramures, Romania) with special remarks on rheophilic mayfly species (Insecta, Ephemeroptera). *Trav. Mus. Nat. Hist. Natur. Grigore Antipa* 37(0): 193-203.
- Galdean, N. 1997. Some considerations on the benthic communities of the Upper Tisa River. *Trav. Mus. Nat. Hist. Natur. Grigore Antipa* 37(0): 255-286.
- García, C. F.; Tome, A.; Vega, F. J.; Antolin, C. 1999. Performance of some diversity and biotic indices in rivers affected by coal mining in northwestern Spain. *Hydrobiologia* 394(0): 209-217.
- Gattolliat, J.-L.; Sartori, M. 1999. Revision of the Malagasy genus *Nesoptiloides* (Ephemeroptera, Baetidae). *Mitt. Schweiz. Entomol. Gesell.* 72(1-2): 23-30.
- Gattolliat, J.-L.; Sartori, M. 1999. A new species of *Afrobaetodes* (Ephemeroptera: Baetidae) and first report of this genus from Madagascar. *Ann. Limnol.* 35(3): 179-184.
- Gattolliat, J.-L.; Sartori, M.; Elouard, J.-M. 1999. Three new species of Baetidae (Ephemeroptera) from the Reserve Naturelle Integrale d'Andohahela, Madagascar. *In: Goodman, S. M. (ed.). A floral and faunal inventory of the Reserve Naturelle Integrale d'Andohahela, Madagascar: With reference to elevational variation.* *Fieldiana Zoology* 94: 115-124.
- Genito, D.; Kerans, B. L. 1999. Effects of a diverse prey assemblage on stonefly feeding. *J. Freshwater Ecol.* 14(2): 219-231.
- Gibbs, H. L.; Gibbs, K. E.; Siebenmann, M.; Collins, L. 1998. Genetic differentiation among populations of the rare mayfly *Siphonisca aerodromia* Needham. *J. N. Amer. Benthol. Soc.* 17(4): 464-474.
- Giberson, D. 1998. Book review: Ephemeroptera and Plecoptera: biology-ecology-systematics. *J. N. Amer. Benthol. Soc.* 17(2): 273-274.
- Gillies, M. 1998. The mayflies (Ephemeroptera) of the Upper River Sigi, north-east Tanzania. *Freshwater Forum* 10: 49-57.
- Gillies, M. T. 1999. Reinstatement of *Afroptiloides* as a genus (Baetidae, Ephemeroptera). *Aquat. Insects* 21(3): 197-203.
- Goodyear, K. L.; McNeill, S. 1998. Bioaccumulation of heavy metals by freshwater insect larvae. *Rev. Environ. Contam. Toxicol.* 158: 129-146.
- Goodyear, K. L.; McNeill, S. 1999. Bioaccumulation of heavy metals by aquatic macroinvertebrates of different feeding guilds: A review. *Sci. Total Environ.* 229(1-2): 1-19.
- Gower, A. M.; Myers, G.; Kent, M.; Foulkes, M. E. 1995. The use of macroinvertebrate assemblages in the assessment of metal-contaminated streams. Pages 181-192. *In: Harper, D. M.; Ferguson, A. J. D. (eds.). The ecological basis for river management.* John Wiley and Sons, Inc., New York.
- Grandstaff, E. D.; Bulow, F. J. 1999. The claw sampler – a macroinvertebrate sampler for scuba divers. *N. Amer. J. Fish. Manage.* 19(1): 219-220.
- Griffith, M. B.; Perry, S. A.; Perry, W. B. 1995. Macroinvertebrate communities in headwater streams affected by acidic precipitation in the central Appalachians. *J. Environ. Qual.* 24(2): 233-238.
- Guan, R. Z.; Wiles, P. R. 1998. Feeding ecology of the signal crayfish *Pacifastacus leniusculus* in a British lowland river. *Aquaculture* 169(3-4): 177-193.
- Gupta, S. 1998. External morphology of the antennal sensilla of the imago of *Cloeon* sp. (Ephemeroptera: Baetidae) by scanning electron microscopy. *J. Anim. Morphol. Physiol.* 45(1-2): 142-144.
- Gupta, S. 1998. External morphology of the interommatidial hairs of *Cloeon* sp. (Ephemeroptera: Baetidae) as revealed by SEM. *Geobios New Rep.* 17(1): 63-67.
- Gupta, S.; Gupta, A. 1998. Cuticular sensory structures on the cerci of the nymphs and adults of mayfly *Cloeon* sp. (Ephemeroptera: Baetidae). *Proc. Nat. Acad. Sci. India Sect. B. Biol. Sci.* 68(3-4): 319-321.
- Gupta, S.; Gupta, A.; Meyer, R. V. B. 1999. Cuticular microstructures of abdominal tergites and sternites of *Cloeon* sp. (Ephemeroptera: Baetidae) during post-embryonic development. *Entomol. Fenn.* 10(1): 51-59.
- Habit, E.; Bertran, C.; Arevalo, S.; Victoriano, P. 1998. Benthonic fauna of the Itata River and irrigation canals (Chile). *Irrigation Sci.* 18(2): 91-99.
- Hacker, H. 1995. The insect fauna of the Bavarian mountains: actual status and remarkable finds in the East Bavarian border mountains and the Bavarian Alps. Results of a survey of the forest reserves of Bavaria (Lepidoptera, Trichoptera, Neuropteroidea, Ephemeroptera, Odonata). *Beitraege Bayerischen Entomofaun.* 1: 199-265.
- Haden, G. A.; Blinn, D. W.; Shannon, J. P.; Wilson, K. P. 1999. Driftwood: An alternative habitat for macroinvertebrates in a large desert river. *Hydrobiologia* 397(0): 179-186.
- Halvorsen, G.; Eie, J. A.; Faugli, P. E. 1998. A national plan for protecting river systems in Norway. *Int. Ver. Theor. Angew. Limnol. Verh.* 26(5): 2417-2423.
- Harding, J. S.; Young, R. G.; Hayes, J. W.; Shearer, K. A.; Stark, J. D. 1999. Changes in agricultural intensity and river health along a river continuum. *Freshwater Biol.* 42(2): 345-357.
- Harker, J. E. 1999. The structure of the foregut and midgut of nymphs, subimagos and imagos of *Cloeon dipterum* (Ephemeroptera) and the functions of the gut of adult mayflies. *J. Zool.* 248(2): 243-253.

- Harvey, C. J.; Peterson, B. J.; Bowden, W. B.; Hershey, A. E.; Miller, M. C.; Deegan, L. A.; Finlay, J. C. 1998. Biological responses to fertilization of Oksrukuyik Creek, a tundra stream. *J. N. Amer. Benthol. Soc.* 17(2): 190-209.
- Hernandez, V. R.; Martinez, L. F.; Rueda, S. J.; Tapia, G.; Pujante, A. 1996. Comparison of different techniques for collecting samples of macroinvertebrates from the Margo River (Valencia). Pages 109-112. *In: Real Sociedad Espanola de Historia Natural* (ed.). The Royal Spanish Society of Natural History: A special edition published on the occasion of the 125th anniversary of its founding. Real Soc. Espanola de Hist. Natur., Madrid. [In Spanish]
- Hickey, C. W.; Golding, L. A.; Martin, M. L.; Croker, G. F. 1999. Chronic toxicity of ammonia to New Zealand freshwater invertebrates: A mesocosm study. *Arch. Environ. Contam. Toxicol.* 37(3): 338-351.
- Hofmann, C.; Sartori, M.; Thomas, A. 1998. The mayflies (Ephemeroptera) of Guadaloupe (French West Indies). *Mem. Soc. Vaudoise Sci. Natur.* 20(1): 1-96. [In French]
- Horeau, V.; Cerdan, P.; Champeau, A.; Richard, S. 1998. Importance of aquatic invertebrates in the diet of rapids-dwelling fish in the Sinnamary River, French Guiana. *J. Trop. Ecol.* 14(6): 851-864.
- Hubbard, M. D.; Campbell, I. C. 1996. Catalogue of the Australian mayflies, recent and fossil (Insecta: Ephemeroptera). *Australian Soc. Limnol. Spec. Pub.* 11: 1-43.
- Hubbard, M. D.; Peters, J. G.; Peters, W. L. 1999. Reinstatement of *Callibaetis zonalis* (Ephemeroptera: Baetidae) as a valid name. *Entomol. News* 110(5): 279-280.
- Hubner, G.; Klose, S. 1998. Monitoring of the development of a restored stream in the Luneburger Heide/north German lowland by focussing on Ephemeroptera, Plecoptera and Trichoptera. *Lauterbornia* 34: 53-66.
- Huhta, A. O. 1999. Antipredator behaviour of lotic insects: responses to fish and invertebrate predators. Ph.D., Oulun Yliopisto (Finland). 88 pp.
- Huhta, A.; Muotka, T.; Juntunen, A.; Yrjonen, M. 1999. Behavioural interactions in stream food webs: The case of drift-feeding fish, predatory invertebrates and grazing mayflies. *J. Anim. Ecol.* 68(5): 917-927.
- Ingram, B. A.; Hawking, J. H.; Shiel, R. J. 1997. Aquatic life in freshwater ponds: A guide to the identification and ecology of life in aquaculture ponds and farm dams in south eastern Australia. *Coop. Res. Cent. Freshwater Ecol. Identification Guide* 9(1): 1-105.
- Iwasaki, K.; Otsuka, T.; Nakayama, K. 1997. Middle-and large-sized aquatic animal assemblages associated with submerged riparian plants in the Kamo River, Kyoto. *Japanese. J. Limnol.* 58(3): 277-291. [In Japanese]
- Jacob, U.; Dorn, A.; Haybach, A. 1996. Systematics and distribution of the genus *Heptagenia* and related taxa in Europe. *Verh. Westdeutscher Entomol.* 1996: 93-105.
- Jacobsen, D.; Encalada, A. 1998. The macroinvertebrate fauna of Ecuadorian high-land streams in the wet and dry season. *Arch. Hydrobiol.* 142(1): 53-70.
- Jacobsen, R. E. 1998. The symbiotic relationship of a chironomid with its ephemeropteran host in an Arizona mountain stream. *J. Kans. Entomol. Soc.* 71(4): 426-438.
- Joost, W.; Klausnitzer, B. 1997. Dietrich Braasch: 65th birthday. *Entomol. Nachr. Ber.* 41(4): 273-279. [In German]
- Kashian, D. R. 1998. The use of macroinvertebrates as indicators of water quality for two northern Lake Huron coastal wetlands (Michigan). M.S., Michigan State University, 121 pp.
- Keddy, C. J.; Greene, J. C.; Bonnell, M. A. 1995. Review of whole-organism bioassays: Soil, freshwater sediment, and freshwater assessment in Canada. *Ecotoxicol. Environ. Safety* 30(3): 221-251.
- Klonowska-Olejnik, M.; Fialkowski, W. 1998. Ephemeroptera and Plecoptera as indicators of environmental changes caused by reservoir construction. Pages 215-223. *In: Bretschko, G.; Helesic, J. (eds.) Advances in river bottom ecology.* Backhuys Publishers, Leiden. 344 pp.
- Klubertanz, T. H.; Jones, D. M. 1999. Adults of *Camelobaetidius waltzi* (Ephemeroptera: Baetidae), with field notes. *Entomol. News* 110(3): 173-176.
- Kluge, N. Yu. 1997. Ephemeroptera. Pages 175-220. *In: Narchuk, E. P.; Tumanov, D. V.; Tsalolikhin, S. Ya. (eds.). Key to freshwater invertebrates of Russia and adjacent lands. Vol. 3: Arachnoidea, lower insects.* Zool. Inst. Rossiikoi Akad. Nauk, Sankt-Petersburg. 439 pp.
- Kluge, N. Yu. 1998. Phylogeny and higher classification of Ephemeroptera. *Zoosystematica Rossica* 7(2): 255-269.
- Kovacs, T.; Ambrus, A.; Bankuti, K.; Juhasz, P. 1998. New Hungarian mayfly (Ephemeroptera) species arising from collectings of larvae. *Misc. Zool. Hungarica* 12(0): 55-60.
- Kreivi, P.; Muotka, T.; Huusko, A.; Maki, P. A.; Huhta, A.; Meissner, K. 1999. Diel feeding periodicity, daily ration and prey selectivity in juvenile brown trout in a subarctic river. *J. Fish Biol.* 55(3): 553-571.
- Kreutzweiser, D. P.; Capell, S. S.; Scarr, T. A. 1999. Acute lethal and sublethal effects of a neem-based insecticide on nontarget aquatic insects in stream channels. *Bull. Environ. Contam. Toxicol.* 63(3): 365-371.
- Krombein, K. V.; Norden, B. B.; Richson, M. M.; Rickson, F. R. 1999. Biodiversity of the domatia occupants (ants, wasps, bees, and others) of the Sri Lankan myrmecophyte *Humboldia laurifolia* Vahl (Fabaceae). *Smithson. Contrib. Zool.* 0(603): 1-34.
- Kureck, A. 1996. Ephemeroptera of the Rhine: On the biology of *Ephoron virgo* (Olivier, 1791). *Decheniana Beihefte* 35: 17-24.
- Kutash, T. N.; Craig, D. A. 1998. Ontogenetic effects on locomotory gaits in nymphs of *Baetis tricaudatus* Dodds (Ephemeroptera: Baetidae). *J. N. Amer. Benthol. Soc.* 17(4): 475-488.
- Lancaster, J. 1999. Small-scale movements of lotic macroinvertebrates with variations in flow. *Freshwater Biol.* 41(3): 605-619.
- Lang, C. 1997. Biological quality of 37 Swiss rivers in 1996 indicated by the diversity of zoobenthos. *Bull. Soc. Vaudoise Sci. Natur.* 84(4): 323-332. [In French]
- Larsson, J. I. R. 1996. Some dubious protistan parasites of invertebrates. *J. Eukaryotic Microbiol.* 43(1): 25A.
- Lemly, A. D. 1998. Bacterial growth on stream insects: potential for use in bioassessment. *J. N. Amer. Benthol. Soc.* 17(2): 228-238.
- Leonard, A. W.; Hyne, R. V.; Lim, R. P.; Chapman, J. C. 1998. Effect of endosulfan runoff from cotton fields on macroinvertebrates in the Namoi River. *Ecotoxicol. Environ. Safety* 42(2): 125-134.
- Lowell, R. B.; Culp, J. M. 1999. Cumulative effects of multiple effluent and low dissolved oxygen stressors on mayflies at cold temperatures. *Canadian J. Fish. Aquat. Sci.* 56(9): 1624-1630.
- Lugo-Ortiz, C. R.; McCafferty, W. P. 1998. A new *Baetis*-complex genus (Ephemeroptera: Baetidae) from the Afrotropical

- Region. *African Entomol.* 6(2): 297-301.
- Lugo-Ortiz, C. R.; McCafferty, W. P. 1998. *Cheleocloeon falcatum* (Crass), a new combination for a southern African species previously assigned to *Afroptilum* Gillies (Ephemeroptera: Baetidae). *African Entomol.* 6(2): 379-380.
- Lugo-Ortiz, C. R.; McCafferty, W. P. 1998. A new North American genus of Baetidae (Ephemeroptera) and key to *Baetis* complex genera. *Entomol. News* 109(5): 345-353.
- Lugo-Ortiz, C. R.; McCafferty, W. P. 1998. New species of *Cloeon* and *Demoulinia* (Ephemeroptera: Baetidae) from Madagascar. *Entomol. News* 109(5): 357-362.
- Lugo-Ortiz, C. R.; McCafferty, W. P. 1998. New larval variants and distributional records for *Plauditus cestus* (Ephemeroptera: Baetidae). *Great Lakes Entomol.* 31(3-4): 201-204.
- Lugo-Ortiz, C. R.; McCafferty, W. P. 1998. Phylogeny and biogeography of *Nesydemius*, n. gen., and related Afrotropical genera (Insecta: Ephemeroptera: Baetidae). *Bull. Soc. Hist. Natur. Toulouse* 134(0): 7-12.
- Lugo-Ortiz, C. R.; McCafferty, W. P. 1999. *Edmundsiops instigatus*: A new genus and species of small minnow mayflies (Ephemeroptera: Baetidae) from Australia. *Entomol. News* 110(1): 65-69.
- Lugo-Ortiz, C. R.; McCafferty, W. P. 1999. An unusual new species of *Camelobaetidius* (Ephemeroptera: Baetidae) from Paraguay. *Entomol. News* 110(4): 221-224.
- Lugo-Ortiz, C. R.; McCafferty, W. P. 1999. A new genus of small minnow mayflies (Insecta: Ephemeroptera: Baetidae) with six new species from New Guinea and New Britain. *Ann. Limnol.* 35(1): 57-70.
- Lugo-Ortiz, C. R.; McCafferty, W. P.; Gattolliat, J.-L. 1999. The small minnow mayfly genus *Cloeodes* Traver (Ephemeroptera: Baetidae) in Madagascar. *Proc. Entomol. Soc. Wash.* 101(1): 208-211.
- Lugo-Ortiz, C. R.; McCafferty, W. P.; Waltz, R. D. 1999. Definition and reorganization of the genus *Pseudocloeon* (Ephemeroptera: Baetidae) with new species descriptions and combinations. *Trans. Amer. Entomol. Soc.* 125(1-2): 1-37.
- MacLeod, N. A. 1998. Trophic structure and the effects of agriculture in a headwater stream in southern Ontario using stable isotopes and secondary production. Ph.D., University of Waterloo (Canada). 138 pp.
- Madenjian, C. P.; Schloesser, D. W.; Krieger, K. A. 1998. Population models of burrowing mayfly recolonization in western Lake Erie. *Ecol. Appl.* 8(4): 1206-1212.
- Malmqvist, B.; Hoffsten, P. O. 1999. Influence of drainage from old mine deposits on benthic macroinvertebrate communities in central Swedish streams. *Water Res.* 33(10): 2415-2423.
- Malzacher, P. 1998. Remarks on the genus *Basilocaenis* (Ephemeroptera: Caenidae), with the description of a new species: *Brasilocaenis mendesi*. *Stutt. Beitr. Naturk. Ser. A. Biol.* 0(580): 1-6.
- Mangeaud, A. P. 1999. Effects of point sources of pollution on benthic insects communities in Suquia basin (Cordoba, Argentina). *Rev. Soc. Entomol. Argentina* 58(1-2): 218-222. [In Spanish]
- Mangum, F. A.; Madrigal, J. L. 1999. Rotenone effects on aquatic macroinvertebrates of the Strawberry River, Utah: A five-year summary. *J. Freshwater Ecol.* 14(1): 125-136.
- Marchant, R.; Barmuta, L. A.; Chessman, B. C. 1995. Influence of sample quantification and taxonomic resolution on the ordination of macroinvertebrate communities from running waters in Victoria, Australia. *Mar. Freshwater Res.* 46(2): 501-506.
- Marchant, R.; Hehir, G. 1999. A method for quantifying hand-net samples of stream invertebrates. *Mar. Freshwater Res.* 50(2): 179-182.
- Martins-Neto, R. G. 1999. Present knowledge of the Brazilian paleontological fauna. *Rev. Soc. Entomol. Argentina* 58(1-2): 71-85. [In Spanish]
- Mathooko, J. M. 1997(1998). The effect of continuous physical disturbance on mayflies of a tropical stream: an experimental approach. *Hydrobiologia* 362: 209-216.
- Mathooko, J. M. 1998. Mayfly diversity in East Africa. *African J. Ecol.* 36(4): 368-370.
- Matisoff, G.; Wang, X. 1998. Solute transport in sediments by freshwater infaunal bioirrigators. *Limnol. Oceanogr.* 48(7): 1487-1499.
- Matsura, T.; Nomura, K.; Kamatsu, K. 1998. Ecological studies of odonate larvae living in artificial ponds in an urban area: Occurrence of larval *Sympetrum striolatum imitoides* and its life history in primary school swimming pools. *Japanese J. Ecol.* 48(1): 27-36. [In Japanese]
- McCafferty, W. P. 1999. Reinstatement of two junior secondary homonyms in the family Baetidae (Ephemeroptera). *Entomol. News* 110(2): 136.
- McCafferty, W. P. 1999. *Acerpenna thermophilos*, comb. n. (Ephemeroptera: Baetidae). *Entomol. News* 110(3): 187-189.
- McCafferty, W. P. 1999. Distribution of Siphlaenigmatidae (Ephemeroptera). *Entomol. News* 110(3): 191.
- McCafferty, W. P.; Kondratieff, B. C. 1999. Additions to the South Dakota Ephemeroptera. *Entomol. News* 110(3): 190-191.
- McCafferty, W. P.; Kondratieff, B. C. 1999. New species of *Paraleptophlebia* (Ephemeroptera: Leptophlebiidae) from Idaho and Washington. *Entomol. News* 110(4): 217-220.
- McCafferty, W. P.; Lugo-Ortiz, C. R.; Provonsha, A. V.; Wang, T. Q. 1997. The Ephemeroptera of Mexico: I. Higher classification, diagnosis of families and composition. *Dugesiana* 4(2): 1-29.
- McCafferty, W. P.; Randolph, R. P. 1998. Canada mayflies: A faunistic compendium. *Proc. Entomol. Soc. Ontario* 129(0): 47-97.
- McCafferty, W. P.; Waltz, R. D. 1998. A new species of the small minnow mayfly genus *Plauditus* (Ephemeroptera: Baetidae) from South Carolina. *Entomol. News* 109(5): 354-356.
- McCafferty, W. P.; Wang, T. Q. 1998. New name for a generic homonym in Teloganodidae (Ephemeroptera). *Entomol. News* 109(5): 344.
- McIntosh, A. R.; Peckarsky, B. L. 1999. Criteria determining behavioural responses to multiple predators by a stream mayfly. *Oikos* 85(3): 554-564.
- McIntosh, A. R.; Peckarsky, B. L.; Taylor, B. W. 1999. Rapid size-specific changes in the drift of *Baetis bicaudatus* (Ephemeroptera) caused by alterations in fish odour concentration. *Oecologia* 118(2): 256-264.
- McKee, S.-L. D. 1998. Structure and size distribution of benthic macroinvertebrate communities along a eutrophication gradient in streams of the Ottawa Valley (Ontario, Quebec). M.Sc., University of Ottawa (Canada). 62 pp.
- McNamara, A. E. 1998. The effects of ultraviolet-B radiation on stream grazers and periphyton. M.S., University of Louisville. 67 pp.
- Memeti, A. V.; Russev, B. K.; Janeva, I. J. 1998. Ephemeroptera and Plecoptera (Insecta) in the river Tetovska/Vardar and its tributaries in the Shar Mountains, Macedonia. *Lauterbornia* 33: 45-48.
- Millett, M. C.; Learner, M. A. 1998. Plecoptera and

- Ephemeroptera species assemblages in the Usk River system, Wales. *Arch. Hydrobiol.* 143(3): 307-334.
- Miyasaka, H.; Nakano, S. 1999. Effects of drift- and benthic-foraging fish on the drift dispersal of three species of mayfly nymphs in a Japanese stream. *Oecologia* 118(1): 99-106.
- Mochizuki, A. 1998. Characteristics of digestive proteases in the gut of some insect orders. *Appl. Entomol. Zool.* 33(3): 401-407.
- Mogi, M.; Sunahara, T.; Selomo, M. 1999. Mosquito and aquatic predator communities in ground pools on lands deforested for rice field development in Central Sulawesi, Indonesia. *J. Amer. Mosquito Control Assoc.* 15(2): 92-97.
- Mori, C.; Orsini, A.; Migon, C. 1999. Impact of arsenic and antimony contamination on benthic invertebrates in a minor Corsican river. *Hydrobiologia* 392(1): 73-80.
- Morris, S. J. 1998. An insect survey in the Landsborough Valley – West Coast. *Rec. Canterbury Mus.* 12(2): 44-48.
- Nel, A.; Nel, J.; Masselot, G.; Thomas, A. 1998. An investigation into the application of the Wagner parsimony method in synecology. *Biol. J. Linn. Soc.* 65(2): 165-189.
- Ogbogu, S. S.; Hassan, A. T. 1996. Effects of sewage on the physico-chemical variables and Ephemeroptera (mayfly) larvae of a stream-reservoir system. *J. Aquat. Insects* 1996: 43-55.
- Oliarinony, R.; Elouard, J.-M.; Raberiaka, H. N. 1998. Aquatic biodiversity of Madagascar: 8. *Spinirythus*, a new genus of Tricorythidae (Ephemeroptera: Pannota). *Bull. Soc. Entomol. France* 103(3): 237-244. [In French]
- Oliarinony, R.; Elouard, J.-M.; Raberiaka, N. 1998. Aquatic biodiversity in Madagascar. 19. Nine new species of *Tricorythus* Eaton (Ephemeroptera, Pannota, Tricorythidae). *Rev. Francaise Entomol. (Nouvelle Ser.)* 20(3): 73-90.
- Oliveira, L. G.; Bispo, P. C.; de Sa, N. C. 1997(1998). Ecology of benthic insect communities (Ephemeroptera, Plecoptera and Trichoptera) in streams at parque Ecologico de Goiania, Goias, Brazil. *Rev. Brasileira Zool.* 14(4): 867-876.
- Palmer, R. W.; DeMoor, F. C. 1998. Annotated records of blackfly (Diptera: Simuliidae) distribution in southern Africa. *African Entomol.* 6(2): 223-251.
- Pescador, M. L.; Lenat, D. R.; Hubbard, M. D. 1999. Mayflies (Ephemeroptera) of North and South Carolina: An update. *Fla. Entomol.* 82(2): 316-332.
- Peterson, C. G.; Vormittag, K. A.; Valett, H. M. 1998. Ingestion and digestion of epilithic algae by larval insects in a heavily grazed montane stream. *Freshwater Biol.* 40(4): 607-623.
- Petrusso, P. A. 1998. Feeding habits and condition of juvenile chinook salmon in the Upper Sacramento River, California. M.S., Michigan State University. 94 pp.
- Pilaka, T.; Elouard, J.-M. 1999. Two new species of blackflies from Madagascar, *Simulium desirei* n. sp. and *S. kiangaraense* n. sp. are described from larval and pupal instars. *Mitt. Schweiz. Entomol. Gesell.* 72(1-2): 39-46. [In French]
- Pope, R. J.; Gordon, A. M.; Kaushik, N. K. 1999. Leaf litter colonization by invertebrates in the littoral zone of a small oligotrophic lake. *Hydrobiologia* 392(2): 99-112.
- Rabeni, C. F.; Wang, N.; Sarver, R. J. 1999. Evaluating adequacy of the representative stream reach used in invertebrate monitoring programs. *J. N. Amer. Benthol. Soc.* 18(2): 284-291.
- Rader, R. B.; Belish, T. A. 1999. Influence of mild to severe flow alterations on invertebrates in three mountain streams. *Regul. Rivers Res. Manage.* 15(4): 353-363.
- Ramirez, A.; Paaby, P.; Pringle, C.; Aguero, G. 1998. Effect of habitat type on benthic macroinvertebrates in two lowland tropical streams, Costa Rica. *Rev. Biol. Trop.* 46(Suppl. 6): 201-213.
- Ramirez, A.; Pringle, C. M. 1998. Invertebrate drift and benthic community dynamics in a lowland neotropical stream, Costa Rica. *Hydrobiologia* 386(0): 19-26.
- Ramirez, A.; Pringle, C. M. 1998. Structure and production of a benthic insect assemblage in a neotropical stream. *J. N. Amer. Benthol. Soc.* 17(4): 443-463.
- Reed, T. L. 1995. Macroinvertebrate drift in managed streams. *Bull. Ecol. Soc. Amer.* 76 (2 Suppl. Part 2): 222.
- Rempel, L. L.; Richardson, J. S.; Healey, M. C. 1999. Flow refugia for benthic macroinvertebrates during flooding of a large river. *J. N. Amer. Benthol. Soc.* 18(1): 34-48.
- Reusch, H.; Blanke, D. 1993. Red list of mayflies, stoneflies and caddisflies of Saxony-Anhalt. *Ber. Landesamtes Umweltschutz Sachsen-Anhalt* 9:17-24.
- Richter, G.; Krebs, G. 1999. Larval stages of mayflies (Insecta: Ephemeroptera) from sediments of the Eocene Messel Lake. *Natur. Mus. (Frankfurt am Main)* 129(1): 21-28.
- Rodrigues, C. A. 1999. The macroinvertebrates as indicators of water quality in Pampean rivers. *Rev. Soc. Entomol. Argentina* 58(1-2): 208-217. [In Spanish]
- Roman, V. C. 1998. Diet and reproduction of *Creagrutus brevipinnis* (Pisces: Characidae) in Alto Cauca, Colombia. *Rev. Biol. Trop.* 46(3): 783-789. [In Spanish]
- Rose, K. A.; Rutherford, E. S.; McDermot, D. S.; Forney, J. L.; Mills, E. L. 1999. Individual-based model of yellow perch and walleye populations in Oneida Lake. *Ecol. Monogr.* 69(2): 127-154.
- Rosenfeld, J. S. 1998. The effect of fish predation on benthic community structure in streams. Ph.D., The University of British Columbia (Canada). 159 pp.
- Sahin, Y.; Arslan, N. P. 1999. Epoche in Chironomidae (Diptera) larvae in the streams Besik and Camlica, a part of the southern Sakarya river system. *Turkish J. Zool.* 23(3): 265-267.
- Sakalian, V. 1997. Ephemeroptera. Page 30. *In: Sakalian, V. (ed.). Endemic and relict insects in the Pirin National Park, Bulgaria.* Pensoft Publishers, Sofia. 96 pp.
- Sanders, M. D. 1999. Common aquatic invertebrate taxa vary in susceptibility to capture by black stilt chicks. *Notornis* 46(2): 311-318.
- Sartori, M.; Elouard, J.-M. 1999. Aquatic biodiversity of Madagascar 30: The genus *Cheirogenesia* Demoulin, 1952 (Ephemeroptera, Palingeniidae). *Rev. Suisse Zool.* 106(2): 325-337. [In French]
- Sartori, M.; Elouard, J.-M.; Ruffieux, L.; L'Eplattenier, G. 1999. Description of the females and egg morphology of some *Probosciodoplocia* species (Ephemeroptera, Ephemeroidea). *Mitt. Schweiz. Entomol. Gesell.* 72(1-2): 55-63. [In French]
- Scholefield, R. J.; Seelye, J. G.; Slaughter, K. S. 1995. Comparison of 3-trifluoromethyl-4-nitrophenol (TFM) toxicities to sea lampreys, rainbow trout, and mayfly nymphs in continuous and interrupted 9-H exposures. *Great Lakes Fish. Comm. Tech Rep.* 0(61): 9-31.
- Scholl, F. 1998. Notable macrozoobenthos records in the Elbe: First record of *Corbicula fluminea* (O. F. Muller 1774) at Krummel and mass population of *Oligoneuriella rhenana* (Imhoff 1852) in the Upper Elbe. *Lauterbornia* 33: 23-24.
- Schreiber, E. S. G. 1995. Long-term patterns of invertebrate stream drift in an Australian temperate stream. *Freshwater Biol.* 33(1): 13-25.
- Schuldt, J. A. 1998. Impact of chinook salmon spawning migrations

- on stream ecosystems. Ph.D., University of Minnesota. 98 pp.
- Selong, J. H.; Helfrich, L. A. 1998. Impacts of trout culture effluent on water quality and biotic communities in Virginia headwater streams. *Prog. Fish.-Cult.* 60(4): 247-262.
- Shieh, S. H.; Yang, P. S. 1999. Colonization patterns of aquatic insects on artificial substrates in a Taiwan stream. *Zhonghua Kunchong* 19(1): 27-50.
- Shiel, C. B.; Duverge, P. L.; Smiddy, P.; Fairley, J. S. 1998. Analysis of the diet of Leisler's bat (*Nyctalus leisleri*) in Ireland with some comparative analyses from England and Germany. *J. Zool.* 246(4): 417-425.
- Siebert, M. 1998. Aquatic insects in the hyporhithal and epipotamal zones of the river Fulda, present and past. *Lauterbornia* 33: 53-84.
- Smythe, N. 1996. The seasonal abundance of night-flying insects in a neotropical forest. Pages 309-318. *In*: Leigh, E. G., Jr.; Rand, A. S.; Windsor, D. M. (eds.). *The ecology of a tropical forest: Seasonal rhythms and long-term changes.* Smithsonian Institution Press, Washington, D.C.
- Snaddon, C. D.; Davies, B. R. 1998. A preliminary assessment of the effects of a small South African inter-basin water transfer on discharge and invertebrate community structure. *Regul. Rivers Res. Manage.* 14(5): 421-441.
- Soldan, T.; Zahradkova, S.; Helesic, J.; Dusek, L.; Landa, V. 1998. Distributional and quantitative patterns of Ephemeroptera and Plecoptera in the Czech Republic: A possibility of detection of long-term environmental changes of aquatic biotopes. *Folia Fac. Sci. Nat. Univ. Masarykianae Brunensis, Biologia* 98: 1-305.
- Somers, K. M.; Reid, R. A.; David, S. M. 1998. Rapid biological assessments: How many animals are enough? *J. N. Amer. Benthol. Soc.* 17(3): 348-358.
- Stephenson, G. L.; Day, K. E.; Scroggins, R.; Kirby, R. S.; Hamr, P. 1996. Current status of Environment Canada's guidance on control of test precision using a spiked sediment toxicity test: What to spike and how? Pages 234-253. *In*: LaPoint, T. W.; Price, F. T.; Little, E. E. (eds.). *ASTM STP: Environmental toxicology and risk assessment.* ASTM, Philadelphia.
- Sun, H.; Zhang, X.; Su, C. 1998. Method of chromosome preparation in mayfly (Ephemeroptera). *Chinese J. Zool.* 33(2): 30-31.
- Suter, P. J. 1999. Illustrated key to the Australian caenid nymphs (Ephemeroptera: Caenidae). *Ident. Guide No. 23. Coop. Res. Cent. Freshwater Ecol., Thurgooona, NSW, Australia.*
- Suter, P. J. 1999. *Irpacaenis*, a new genus of Caenidae (Ephemeroptera) from Australia. *Australian J. Entomol.* 38(3): 159-167.
- Sziraki, G. 1998. *Baetis buceratus* Eaton, 1870 (Ephemeroptera: Baetidae) and *Chrysoperla renoni* (Lacroix, 1933) (Neuroptera: Chrysopidae) – insects, new to the fauna of Hungary from the Ferto–Hansag National Park. *Folia Entomol. Hungarica* 59(0): 272-273. [In Hungarian]
- Sziraki, G. 1998. The mayfly (Ephemeroptera) fauna of the Drava region, Hungary. *Dunantuli Dolgozatok (A) Termeszettudományi Szorozat* 9: 131-134.
- Tanatmis, M. 1997. On the Ephemeroptera fauna (Insecta) of Thrace (Turkey). *Zool. Middle East* 15(0): 95-106.
- Thiele, V.; Mehl, D.; Berlin, A.; Huijssoon, L. 1998. Analyses of the behaviour of aquatic and merolimnic invertebrates in relation to the upstream movement and the exodus flight in the area of fish ladders in Mecklenburg-Vorpommern (Germany). *Limnologica* 28(2): 167-182.
- Thomas, A. 1998. A provisional checklist of the mayflies of North Africa (Ephemeroptera). *Bull. Soc. Hist. Natur. Toulouse* 134(0): 13-20.
- Tierney, D.; Kelly, Q. M.; Bracken, J. J. 1998. The faunal communities of upland streams in the eastern region of Ireland with reference to afforestation impacts. *Hydrobiologia* 389(0): 115-130.
- Tojo, K.; Machida, R. 1996. Formation of proctodaeum and abdominal metamerism in a mayfly, *Ephemera japonica* McLachlan (Insecta, Ephemeroptera). *Zool. Sci.* 13(Suppl.): 34.
- Tojo, K.; Machida, R. 1998. Early embryonic development of the mayfly *Ephemera japonica* McLachlan (Insecta: Ephemeroptera, Ephemeridae). *J. Morphol.* 238(3): 327-335.
- Tojo, K.; Machida, R. 1998. Egg structures of Japanese ephemerid species (Ephemeroptera). *Entomol. Sci.* 1(4): 573-579.
- Tong, X.; Dudgeon, D. 1999. Two new species of *Platybaetis* (Ephemeroptera, Baetidae) from Sulawesi, Indonesia. *Entomol. News* 110(5): 290-296.
- Turner, A. M.; Trexler, J. C. 1996. Responses of aquatic communities to phosphorus enrichment in the Florida Everglades. *Bull. Ecol. Soc. Amer.* 77(3 Suppl. Part 2): 449.
- Ubero, P. N. A.; Puig, M. A.; Soler, A. G. 1998. The mayflies from Segura River Basin (S.E. Spain): I. Faunistic study (Insecta: Ephemeroptera). *Bol. Asoc. Espanola Entomol.* 22(1-2): 151-170. [In Spanish]
- Umaña, V. G. 1998. Characterization of some Golfo Dulce drainage basin rivers (Costa Rica). *Rev. Biol. Trop.* 46(Suppl. 6): 125-135.
- Vance, G. M.; Vandyk, J. K.; Rowley, W. A. 1995. A device for sampling aquatic insects associated with carrion in water. *J. Forensic Sci.* 40(3): 479-482.
- Vidinova, Y. 1998. New *Rhithrogena* species (Ephemeroptera: Heptageniidae) for the fauna of Macedonia. *Lauterbornia* 33: 49-51.
- Vila, I.; Fuentes, L. S.; Saavedra, M. 1999. Ichthyofauna in limnic systems of Isla Grande, Tierra del Fuego, Chile. *Rev. Chilena Hist. Natur.* 72(2): 273-284. [In Spanish]
- Vinson, M. R. 1998. Global patterns in stream insect taxa richness. Ph.D., Utah State University. 140 pp.
- Waltz, R. D.; McCafferty, W. P. 1999. Additions to the taxonomy of *Americabaetis* (Ephemeroptera: Baetidae): *A. lugoii*, n. sp., adult of *A. robacki*, and key to larvae. *Entomol. News* 110(1): 39-44.
- Watanabe, N. C.; Mori, I.; Toshitaka, I. 1999. Effect of water temperature on the mass emergence of the mayfly, *Ephoron shigae*, in a Japanese river (Ephemeroptera: Polyimtarciidae). *Freshwater Biol.* 41(3): 537-541.
- Werneke, U. 1996. The effect of high water on the larvae of selected ephemeropteran species (Insecta: Ephemeroptera). *Verh. Westdeutscher Entomol.* 1996: 115-123.
- Wiersema, N. A. 1999. Two new species of *Procloeon* (Ephemeroptera: Baetidae) from Texas. *Entomol. News* 110(1): 27-35.
- Wiersema, N. A. 1999. *Plauditus texanus* (Ephemeroptera: Baetidae), a new small minnow mayfly from Texas. *Entomol. News* 110(5): 281-284.
- Wiersema, N. A.; McCafferty, W. P. 1999. *Americabaetis* (Ephemeroptera: Baetidae) from Texas: First USA record and adult description of *A. pleturus*. *Entomol. News* 110(1): 36-38.
- Williams, M. C.; Lichtwardt, R. W. 1999. Two new Harpellales living in Ephemeroptera nymphs in Colorado Rocky Mountain streams. *Mycologia* 91(2): 400-404.

- Winterbourn, M. J. 1998. Insect faunas of acidic coal mine drainages in Westland, New Zealand. *New Zealand Entomol.* 21: 65-72.
- Yu, K. C.; Ho, S. T.; Chang, J. K.; Lai, S. D. 1995. Multivariate correlation of water quality, sediment and benthic bio-community components in Ell-Renn River system, Taiwan. *Water Air Soil Pollut.* 84(1-2): 31-49.
- Yu, K. C.; Ho, S. T.; Chang, J. K.; Lai, S. D.; Wang, C. H. 1994(1995). Correlations of water quality, sediments and benthic invertebrates in Ell-Ren River, Taiwan. *Water Sci. Technol.* 3(10): 207-212.
- Yu, L. 1998. A key on nymphs of new record species and subspecies of family Ephemerellidae (Ephemeroptera) from Changbai Mountain in China. *Acta Entomol. Sin.* 41(4): 435-437. [In Chinese]
- Zhou, C.; Gui, H.; Su, C. 1998. A new species of genus *Ephemerella* (Ephemeroptera: Ephemeridae). *Entomol. Sinica* 5(2): 139-142.
- Zhou, C.; Gui, H.; Su, C. 1998. Ephemeroptera. *Fauna Taxonomy Insects Henan* 2: 221-222.
- Zimmermann, W. 1998. The Ephemeroptera population of the Vesser. Gotha emergence studies in the Vesser Valley Reserve. no. 26. *Abh. Ber. Mus. Natur. Gotha* 20: 47-60.
- Zloty, J.; Harper, F. 1999. Two new *Ameletus* mayflies (Ephemeroptera: Ameletidae) from western North America. *Canadian Entomol.* 131(1): 1-9.
- Zwinger, A. H. 1997. Under the silver ceiling. Pages 24-27. *In: Xerces Society, Streamkeepers: aquatic insects as biomonitors.* Xerces Society, Portland. 65 pp.

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