



The Mayfly Newsletter

Volume 15 | Issue 1

Article 1

2-1-2007

The Mayfly Newsletter

Peter M. Grant

Southwestern Oklahoma State University, peter7grant@gmail.com

Follow this and additional works at: <https://dc.swosu.edu/mayfly>



Part of the [Biology Commons](#), [Entomology Commons](#), [Systems Biology Commons](#), and the [Zoology Commons](#)

Recommended Citation

Grant, Peter M. (2007) "The Mayfly Newsletter," *The Mayfly Newsletter*. Vol. 15: Iss. 1, Article 1.
Available at: <https://dc.swosu.edu/mayfly/vol15/iss1/1>

This Article is brought to you for free and open access by the Current Newsletters at SWOSU Digital Commons. It has been accepted for inclusion in The Mayfly Newsletter by an authorized editor of SWOSU Digital Commons. An ADA compliant document is available upon request. For more information, please contact phillip.fitzsimmons@swosu.edu.



THE
MAYFLY
NEWSLETTER

SWOSU LIBRARY
WEATHERFORD, OK MAR 1 2007

Vol. 15 No. 1

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

February 2007

Letter from the Chairman

Dear Colleagues,

I take the opportunity of this Newsletter to give you some information about the Permanent Committee of the International Conferences on Ephemeroptera. Since the last conference in Montana in 2004, a couple of changes happened in the Committee's composition.

John Flannagan expressed the desire to resign from his position of treasurer, a charge he occupied since the beginning of our group. To replace him, we were lucky enough that Donna Giberson accepted the position. To John, our sincere thanks for the whole work he has done during more than 30 years and to Donna our appreciation for keeping the business under the Canadian rules and authority.

Secondly, a new member has joined the committee, namely Michael Hubbard all of you know, I am sure! Mike is in charge of the website *Ephemeroptera Galactica* [<http://www.famu.org/mayfly/index.asp>] and he will devote time and space to bring up-to-date information concerning the Committee and next conferences. In that sense, it will be an ideal complementary information source to the *Mayfly Newsletter* Pete Grant rules so perfectly.

Finally, I replaced Tomas Soldán as chairman of the committee. An up-to-date list of the Committee with contact information is available on page 4 of this Newsletter.

All of you know that the next conference will be held in Stuttgart (Germany) from June 8 to 14, 2008. The convenor is our friend Arnold Staniczek and he already has a web site where important information, call for papers, registration, accommodation etc. will be posted. The address is <http://www.jointmeeting08.naturkundemuseum-bw.de/>. [See announcement on p. 2.] Do not forget to check regularly and above all, do not miss the chance to attend this meeting. This 13th Conference on Ephemeroptera will be held jointly with the 16th Symposium on Plecoptera.

One of the tasks of our Committee is also to plan the next Conferences. We invite all of you to make their proposals for the 13th Conference that should be held normally in 2011. Looking back to the previous ones, two continents have not hosted our meetings: Africa and Asia and it would be wonderful to have some applications from there. Do not forget that your proposal must reach the Committee well before the next meeting in 2008 in order to be discussed and approved by the whole assembly in Stuttgart. [Read guidelines for proposals on p. 3.]

Now, the Committee needs your help! We were looking for some kind of common action we could undertake before the Stuttgart meeting. We propose to create a database on mayfly workers, a who's who in mayfly research. For that purpose, we need your contribution about your colleagues, recent or passed. Your input (text and pictures) can be sent to Mike Hubbard who will configure it and then post it on an *Ephemeroptera Galactica* website special page. The objective is to get as many contributions as possible before the next meeting. If we succeed to bring together a significant proportion of mayfly workers, we can even investigate the opportunity to make a printed version. Check soon for *Ephemeroptera Galactica* since the first contributions will be posted early this year. If you have any query, do not hesitate to contact Mike Hubbard or myself.

I wish to all of you a happy, healthful and fruitful New Year!

Michel Sartori, Chairman

Inside This Issue

Bibliography of the Neuropterida	2
International Conference	2
Alfred Edwin Eaton	3
Conference Proposal Guidelines.....	3
Ephemeroptera of South America.....	4
Members of Permanent Committee	4
Publication Information	4
2005 Mayfly Bibliography	5
Address Updates Needed	12

Frequency of Publication

Originally, my goal was to publish two issues of *The Mayfly Newsletter* each year. That worked out well for a time. However, as you have noticed, the frequency of publication is now about once a year. The main reason for this is simply efficiency - It's easier and less expensive to publish one large issue each year than to publish two smaller issues.

As always, I welcome the submission of articles from you to include in the *Newsletter*. Please contact me (contact information on p. 4) if you have some ideas.



Bibliography of the Neuropterida, Version 7.06

A new version, 7.06, of the *Bibliography of the Neuropterida* (http://entowww.tamu.edu/research/neuropterida/neur_bibliography/bibhome.html) was posted to the web on 7 September 2006. The new version incorporates 155 new and 2344 updated reference citations, and 1000 newly linked digital files. The new files linked to this version nearly double the number of files directly accessible through the Bibliography (now 2020 total files), and represent an additional 9500 pages of neuropterid literature available through the site. More than 21,600 pages of neuropterid literature are now available through the Bibliography.

Publications linked to the Bibliography can be viewed on line, and almost all can be freely downloaded as PDFs for further use. A particular emphasis has been placed on making available copies of papers that contain the original descriptions of new species and higher taxa.

The files now available from the Bibliography site contain the original descriptions of 45.1% of all available neuropterid species-group names, and 43.1% of available neuropterid genus-group names.

Although the Bibliography of the Neuropterida site will be of special interest to entomologists studying the three insect orders Neuroptera, Megaloptera and Raphidioptera, some of the literature linked to the site may also be of interest to workers in the many other orders that were broadly classed as "neuropteroids" during the 18th, 19th, and early 20th centuries (e.g., **Ephemeroptera**, Trichoptera, Odonata, Psocoptera, Plecoptera, and Mecoptera). Of particular interest in this regard may be the 657 papers now linked to the Bibliography that were authored by the three wide-ranging "neuropterist" authors Herman Hagen, Nathan Banks and Longinos Navás.

This release of the Bibliography also makes available for the first time complete digital facsimiles of a number of

important neuropteran monographs, including:

Hagen, H. A. 1861. Synopsis of the Neuroptera of North America, with a list of the South American species. Smithsonian Miscellaneous Collections 4(1):xx + 1-347. [BotN r#455]

Rambur, [J.] P. 1842. Histoire Naturelle des Insectes, Névroptères.

Librairie encyclopédique de Roret. Fain et Thunot, Paris. [xviii]+534 pp. [BotN r#5314]

Tjeder, B. 1966. Neuroptera-Planipennia. The Lace-wings of Southern Africa. 5. Family Chrysopidae. Pp. 228-534 in South African Animal Life, B. Hanström, P. Brinck and G. Rudebec, eds. Vol. 12. Swedish Natural Science Research Council, Stockholm. [BotN r#6049]

Tjeder, B. 1967. Neuroptera-Planipennia. The Lace-wings of Southern Africa. 6. Family Nemopteridae. Pp. 290-501 in South African Animal Life, B. Hanström, P. Brinck and G. Rudebec, eds. Vol. 13. Swedish Natural Science Research Council, Stockholm. [BotN r#6050]

Walker, F. 1853. List of the specimens of neuropterous insects in the collection of the British Museum. Part II.—(Sialides—Nemopterides). British Museum, London. [iii] + 193-476. [BotN r#6194]

The next version of the Bibliography will include PDFs of the "Neuroptera" (*sensu lato*) sections of many of the works of Linnaeus, Fabricius, and other early authors. This literature will also make available a fair number of **ephemeropteran** original descriptions.

For more information about this bibliography, contact John D. Oswald, Department of Entomology, Texas A&M University, College Station, TX 77843-2475, phone: (979) 862-3507, email: j-oswald@tamu.edu.



The next International Joint Meeting will take place at the State Museum of Natural History in Stuttgart, Germany, from 8-14 June 2008. Please note that the conference website has changed:

<http://www.jointmeeting08.naturkundemuseum-bw.de/>

This preliminary site will have a major update around the end of February or early March. If you want to get notified when the site is updated, please subscribe to the conference newsletter as soon as possible. Just send an e-mail to jointmeeting08.smns@naturkundemuseum-bw.de and you will receive a note as soon as the major update goes online.

Participants from developing countries will also have the opportunity to apply for limited travel grants to be able to participate in the meeting. Please check the webpage from early March on for details, or subscribe to the newsletter to keep updated!

The Joint Meeting will have an informal welcome party at the evening of June 8th. The conference will start on June 9th. There will be four days packed with talks and poster sessions the best poster will be awarded at the conference dinner on Thursday night. On Wednesday 12th there will be a field trip to creeks and rivers of the Swabian Alps, linked to a visit to a medieval monastery and University town. The post conference tour on Saturday 14th will lead to the Black Forest.

Take the opportunity and meet your colleagues at the Joint Meeting 2008!

Dr. Arnold H. Staniczek, Curator, Department of Entomology, Staatliches Museum für Naturkunde, Stuttgart, Germany.

Alfred Edwin Eaton

Eaton's Monograph for Sale

I've got a copy of a part of Eaton's articles in the Transactions of the Linnaean Society, volumes 2, 4, 5, and 6 (volume 1 and 3 are missing here).

38314 - Eaton (Rev. A. E.) - Transactions of the Linnaean Society of London - 2nd Ser. Zoology - Vol. III - Part 2 - July 1884 - Linnaean Society of London, Longmans, Green, Reader and Dyer, 1884. In-4, 76 pages, paperback original editor's wrappers pink, 21 plates. A Revisional Monograph of Recent Ephemeridae or Mayflies, part II, communicated by Sir John Lubbock, plates XXV to LXV - pages 77 to 152. Book condition : "moyen" (ok but not perfect): "spine is a little damaged, front-wrapper is mooving and a little bit damaged, without significant missings, otherwise near fine copy." Price: 80 euros.

38315 - Eaton (Rev. A. E.) - Transactions of the Linnaean Society of London - 2nd Ser. Zoology - Vol. III - Part 4 - December 1885 - Linnaean Society of London, Longmans, Green, Reader and Dyer, 1885. In-4, 53 pages, paperback original editor's wrappers pink. A Revisional Monograph of Recent Ephemeridae or Mayflies, part IV, communicated by Sir John Lubbock - pages 229 to 281. Book condition : "Bon" (near fine) : "small missings of paper on the top and ottom of the spine, otherwise near fine copy." Price: 30 euros.

38316 - Eaton (Rev. A. E.) - Transactions of the Linnaean Society of London - 2nd Ser. Zoology - Vol. III - Part 5 - December 1887 - Linnaean Society of London, Longmans, Green, Reader and Dyer, 1887. In-4, 39 pages, paperback original editor's wrappers pink, 2 plates. A Revisional Monograph of Recent Ephemeridae or Mayflies, part V, communi-

cated by Sir John Lubbock, plates lxiv and lxv - pages 281 to 319. Near fine condition. Price: 50 euros.

38317 - Eaton (Rev. A. E.) - Linnaean Society of London Transactions of the Linnaean Society of London - 2nd Ser. Zoology - Vol. III - Part 6 - March 1888 - Linnaean Society of London, Longmans, Green, Reader and Dyer, 1888. In-4, 37 pages, paperback original editor's wrappers pink. A Revisional Monograph of Recent Ephemeridae or Mayflies, part VI, communicated by Sir John Lubbock - Index to volume 3 pages 319 to 352 - List of Papers to Volume 3, iii. Near fine condition. Price: 35 euros.

I will check it again but all the plates of those 4 volumes should be complete. I will check it again but inside should be clean, no markings, no ex-library stamps, no annotations.

Arnaud Le Bras, Philoscience, <http://www.galaxidion.com/philoscience>, philoscience@wanadoo.fr.

Eaton's Biography

I am writing an article on the Rev. Alfred Edwin Eaton. He's known to ephemeropterologists, but for all his prominence he is not known to fly fishers even though he was the mayfly tutor to Frederic M. Halford, the grand guru of dry-fly fishing in Britain and eventually the world.

It is my intention is to bring Eaton out of the shadows and to the forefront, and thus I would be most grateful for any biographical information you may have about him.

I do have a number of his papers and some information, such as that he received his M. A. from Trinity College, Cambridge (I have a sent a query to the archivist at Isaac Newton's old school) and served at St. Peter's Church Shepton Montague from 1887 to 1892.

Thank you, and my regards,

jb Boyle
KatyaBelousBoyle@aol.com

How to Host a Conference

The next international joint conference will be held in Stuttgart, Germany, 8-14 June 2008. If you are considering the possibility of hosting the following conference, please note the following.

Representatives from the International Conferences on Ephemeroptera and the International Society of Plecopterologists established a set of guidelines for submitting proposals to host the joint conferences. These guidelines are:

Preliminary Proposals

Preliminary proposals to host a conference may be submitted six years prior to the year of the proposed conference, but a final vote on the conference site will not be made until three years prior to the actual conference date

Final Proposals

1. Proposals should be submitted at least one month prior to the conference during which the proposal will be officially presented.
 2. A copy of this proposal should be sent to the chair of each committee - International Conferences for Ephemeroptera (Michel Sartori, michel.sartori@vd.ch) and the International Society of Plecopterologists (John Brittain, j.e.brittain@nhm.uio.no).
 3. Proposals should be submitted by email. This facilitates distribution of the proposal to the members of the two committees.
 4. Proposals should contain detailed information regarding plans to host the conference.
- Contact either chair for additional information.

Ephemeroptera of South America

Dominguez, E; Molineri, C; Pescador, ML; Hubbard, MD; Nieto, C. 2006.

Ephemeroptera of South America.

Aquatic Biodiversity of Latin America (ABLA Series), ISSN 1312-7276.

Volume 2. ISBN 9546422592, Pensoft

Publishers, Sofia-Moscow, 165x240, 218 bw and 16 color plates, keys, index, bibliography. In English, keys also in Spanish. Hdb, 642pp. EURO 115 + postage.

For many years, students from numerous countries have complained about the lack of "tools" to identify aquatic invertebrates from Latin America.

Keys found in accepted textbooks are mostly limited, superficial or too popular-science. On the other hand, more advanced keys in academic books on aquatic invertebrates fail to cover Neotropical representatives in due detail. The few that do, however, also show too many defects in scope and presentation to be considered up-to-date.

An international team of editors combined their efforts with Pensoft

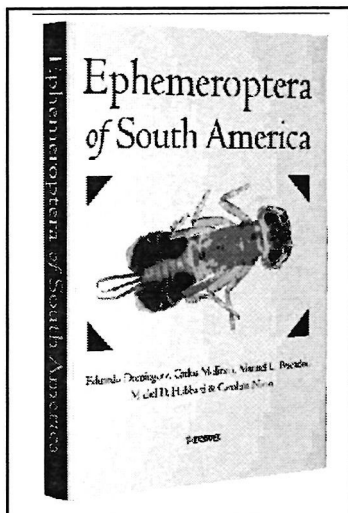
Publishers to launch a new major series on the aquatic biodiversity of Latin America. About 15 monographs, written by scientists from various countries, will offer a new, unrivalled view of the marvelous aquatic world of

South America! The series is addressed to zoologists, ecologists, hydrobiologists, biogeographers, conservationists and students interested in aquatic biodiversity. The series will be an imminent tool for any biological library.

This book covers all known families (14), genera (103), and species (470) of the insect order Ephemeroptera from continental South

America. It includes updated keys (in English and Spanish) to separate families, genera, and species (when possible), as well as complete reference data on each taxon, considering its status, characters, biology and distribution. The book is addressed to specialists in systematics, ecologists, limnologists and biologists in general.

More information is available at the publisher's website, <http://www.pensoft.net/leaflet1.pdf>.



SWOSU
Southwestern Oklahoma State University

The Mayfly Newsletter (ISSN 1091-4935) is the official newsletter of the International Conferences on Ephemeroptera and is published 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 peter.grant@swosu.edu. This publication was authorized by the Dean of Arts and Sciences and was printed at a cost of \$356.00 for 500 copies.

Members of the Permanent Committee

Javier Alba-Tercedor, Universidad de Granada, Facultad de Ciencias, Departamento de Biología Animal Ecología y Genética. 18071 Granada, Spain, jalba@ugr.es

John Brittain, Freshwater Ecology and Inland Fisheries Laboratory (LFI), The Natural History Museums and Botanical Garden, University of Oslo, PO Box 1172, Blindern. 0318 Oslo, Norway, j.e.brittain@nhm.uio.no

Ian Campbell, 15 York Street, Blackburn South 3130, Victoria, Australia, I.C.Campbell@bigpond.com

Eduardo Dominguez, Facultad de Ciencias Naturales, Universidad Nacional de Tucuman, Miguel Lillo 251, 4000 Tucuman, Argentina, mayfly@unt.edu.ar

John Flannagan, 456 Isabella Point Road, Salt Spring Island, British Columbia V8K 1V4, Canada, jpfannagan@saltspring.com

Elda Gaino, Dipartimento di Biologia Animale ed Ecologia, Via Elce di Sotto, 06123 Perugia, Italy, gaino@unipg.it

Donna Giberson, Treasurer, Department of Biology, University of Prince Edward Island, 550 University Avenue, Charlottetown, Prince Edward Island, Canada, C1A 4P3, giberson@upei.ca

Peter Grant, Secretary, Department of Biological Sciences, Southwestern Oklahoma State University, 100 Campus Drive, Weatherford Oklahoma 73096-3098, USA, peter.grant@swosu.edu

Michael Hubbard, Webmaster, Laboratory of Aquatic Entomology, Florida A&M University, Tallahassee, Florida 32307, USA, michael.hubbard@famu.edu

Peter Landolt, Imbisbuehlstrasse 106, CH 8049 Zurich, Switzerland, peter.landolt@vkhs.ch

Michel Sartori, Chairman, Museum of Zoology, Palais de Rumine, Place de la Riponne 6-Cp, CH-1014 Lausanne, Switzerland, michel.sartori@vd.ch

Tomas Soldan, Institute of Entomology, Academy of Sciences of the Czech Republic, University of South Bohemia, Branisovska 31, 37005 Ceske Budejovice, Czech Republic, soldan@entu.cas.cz

2005 Mayfly Bibliography

[Editor's note: This bibliography was published as the Ephemeroptera portion of the 2005(2006) 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 2005 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://faculty.swosu.edu/peter.grant/>.

- Acuna, P.; Vila, I.; Pardo, R.; Comte, S. 2005. Trophic niche spatio-temporal characterization of the andean ichthyc fauna at the Maule River, Chile. *Gayana* 69(1): 175-179. (In Spanish, English abstract)
- Adamek, Z.; Musil, J.; Sukop, I. 2004. Diet composition and selectivity in 0+perch (*Perca fluviatilis* L.) and its competition with adult fish and carp (*Cyprinus carpio* L.) stock in pond culture. *Agr. Conspectus Sci.* 69(1): 21-27.
- Alcorlo, P.; Geiger, W.; Otero, M. 2004. Feeding preferences and food selection of the red swamp crayfish, *Procambarus clarkii*, in habitats differing in food item diversity. *Crustaceana* 77(4): 435-453.
- Alexander, A.; Culp, J. M.; Baird, D. 2004. Effects of the insecticide imidacloprid on *Epeorus longimanus* and *Lumbriculus variegatus* feeding and growth.. *Canadian Tech. Rep. Fish. Aquat. Sci.* 2562: 21-22. (Abstract)
- Alexandrine, R.; Burton, L.; Tinsley, T.; Green, J.; Ogurinin, T.; Pullman, S. 2004. The aquatic outdoor laboratory of Oakwood College. *Ecol. Soc. Amer. Ann. Meet.* 89: 416. (Abstract)
- Alvarez, M.; Peckarsky, B. L. 2005. How do grazers affect periphyton heterogeneity in streams? *Oecologia* 142(4): 576-587.
- Anbalagan, S.; Kaleeswaran, B.; Balasubramanian, C. 2004. Diversity and trophic categorization of aquatic insects of Courtallam Hills of Western Ghats. *Entomon* 29(3): 215-220.
- Argerich, A.; Puig, M. A.; Pupilli, E. 2004. Effect of floods of different magnitude on the macroinvertebrate communities of Matarranya stream (Ebro river basin, NE Spain). *Limnetica* 23(3-4): 103-114.
- Armstrong, K. N.; Storey, A. W.; Davies, P. M. 2005. Effects of catchment clearing and sedimentation on macroinvertebrate communities of cobble habitat in freshwater streams of southwestern Australia. *J. Roy. Soc. West. Australia* 88(Part 1): 1-11.
- Arscott, D. B.; Tockner, K.; Ward, J. V. 2005. Lateral organization of aquatic invertebrates along the corridor of a braided floodplain river. *J. N. Amer. Benthol. Soc.* 24(4): 934-954.
- Bahuguna, B. K.; Nautiyal, R.; Nautiyal, P.; Singh, H. R. 2004. Stream regulation: Variations in the density, composition and diversity of benthic macroinvertebrates occurring in the up and downstream sections of the impounded zone of the river Ganga in the foothills. *Trop. Ecol.* 45(2): 251-261.
- Baillie, B. R.; Collier, K. J.; Nagels, J. 2005. Effects of forest harvesting and woody-debris removal on two Northland streams, New Zealand. *New Zealand J. Mar. Freshwater Res.* 39(1): 1-15.
- Baker, D. 2004. Creating a report card for stream quality using volunteer-collected data.. *Trans. Ill. State Acad. Sci.* 97: 33-34.
- all, S. L.; Hebert, P. D. N.; Burian, S. K.; Webb, J. M. 2005. Biological identifications of mayflies (Ephemeroptera) using DNA barcodes. *J. N. Amer. Benthol. Soc.* 24(3): 508-524.
- Barbee, N. C. 2005. Grazing insects reduce algal biomass in a neotropical stream. *Hydrobiologia* 532: 153-165.
- Barquin, J.; Death, R. G. 2004. Patterns of invertebrate diversity in streams and freshwater springs in Northern Spain. *Arch. Hydrobiol.* 161(3): 329-349.
- Barton, D. R. 2004. Differences in wave-zone benthic invertebrate communities in Lake Huron and Georgian Bay, 1974-2003. *J. Great Lakes Res.* 30(4): 508-518.
- Bass, D. 2004. Diurnal stream drift of benthic macroinvertebrates on the small oceanic island of Dominica, West Indies. *Caribbean J. Sci.* 40(2): 245-252.
- Baumgardner, D. E. 2005. New and additional records of mayflies (Ephemeroptera) from the Southwestern United States, including a new country record. *Proc. Entomol. Soc. Wash.* 107(4): 977-978.
- Bednarek, A. T.; Hart, D. D. 2005. Modifying dam operations to restore rivers: Ecological responses to Tennessee river dam mitigation. *Ecol. Appl.* 15(3): 997-1008.
- Beketov, M. A. 2004. Comparative sensitivity to insecticides deltamethrin and esfenvalerate of some amphibious insect larvae (Ephemeroptera and Odonata) and *Daphnia magna*. *Ekologiya* (3): 229-234. (In Russian, English abstract)
- Beketov, M. A. 2004. Different sensitivity of mayflies (Insecta, Ephemeroptera) to ammonia, nitrite and nitrate: Linkage between experimental and observational data. *Hydrobiologia* 528(1-3): 209-216.
- Beketov, M. A.; Godunko, R. J. 2005. *Baetis khakassicus* n. sp., a new species of the subgenus *Rhodobaetis* Jacob, 2003 from Middle Siberia, Russian Federation (Ephemeroptera: Baetidae). *Genus* 16(1): 7-12.
- Beketov, M. A.; Liess, M. 2005. Acute contamination with esfenvalerate and food limitation: Chronic effects on the mayfly, *Cloeon dipterum*. *Environ. Toxicol. Chem.* 24(5): 1281-1286.
- Belanger, S. E.; Bowling, J. W.; LeBlanc, E. M.; Price, B. B.; Herzog, R. R.; Bozso, E. 2005. Comprehensive assessment of aquatic community responses to a new anionic surfactant, high-solubility alkyl sulfate. *Ecotoxicol. Environ. Safety* 62(1): 75-92.
- Benoy, G. A. 2005. Variation in tiger salamander density within prairie potholes affects aquatic bird foraging behaviour. *Canadian J. Zool.* 83(7): 926-934.
- Berra, E.; Forcella, M.; Giacchini, R.; Marziali, L.; Rossaro, B.; Parenti, P. 2004. Evaluation of enzyme biomarkers in freshwater invertebrates from Taro and Ticino river, Italy. *Ann. Limnol.* 40(3): 169-180.
- Bowman, M. F.; Chambers, P. A.; Schindler, D. W. 2005. Changes in stoichiometric constraints on epilithon and benthic macroinvertebrates in response to slight nutrient enrichment of mountain rivers. *Freshwater Biol.* 50(11): 1836-1852.
- Braasch, D. 2001. *Acentrella inexpectata* (Tshernova, 1928) - eine neue

- Eintagsfliege (Ephemeroptera) in Deutschland. Entomol. Nachr. Ber. 45(2): 129-130 (In German, English abstract)
- Braasch, D. 2002. Ein Beitrag zur Eintagsfliegenfauna Brandenburgs unter besonderer Berücksichtigung der Lausitzer Neiße und der mittleren Oder (Ephemeroptera). Entomol. Nachr. Ber. 46(3): 190-191. (In German, English abstract)
- Braasch, D. 2003. Einige interessante Eintagsfliegen aus der Mulde in Sachsen (Ephemeroptera). Lauterbornia 46: 73-76. (In German, English abstract)
- Braasch, D. 2004. New types of the species *Atopopus* and *Afromurus* from south east Asia as well as several observations on the species *Asionurus* from Malaysia (Insecta: Ephemeroptera: Heptageniidae). Entomol. Abh. 62(2): 165-174. (In German, English abstract)
- Braasch, D. 2005. Neue Arten der Gattung *Atopopus* und *Afromurus* aus Südostasien sowie einige Bemerkungen zur Gattung *Asionurus* von Malaysia (Heptageniidae, Ephemeroptera). Entomol. Abh. Dresden 62(2): 165-174. (In German, English abstract)
- Briers, R. A.; Gee, J. H. R.; Geoghegan, R. 2004. Effects of the North Atlantic Oscillation on growth and phenology of stream insects. Ecography 27(6): 811-817.
- Brown, L. R.; Burton, C. A.; Belitz, K. 2005. Aquatic assemblages of the highly urbanized Santa Ana River basin, California. Pages 263-287. IN: Editor, Brown, L. R.; Gray, R. H.; Hughes, R. M.; Meador, M. R. Symposium on Effects of Urbanization on Aquatic Ecosystems. American Fisheries Society Symposium Vol. 47. Amer. Fish. Soc., Bethesda.
- Buchwalter, D. B.; Luoma, S. N. 2005. Differences in dissolved cadmium and zinc uptake among stream insects: Mechanistic explanations. Environ. Sci. Technol. 39(2): 498-504.
- Burton, C. A.; Brown, L. R.; Belitz, K. 2005. Assessing water source and channel type as factors affecting benthic macroinvertebrate and periphyton assemblages in the highly urbanized Santa Ana River basin, California. Pages 239-262. IN: Editor, Brown, L. R.; Gray, R. H.; Hughes, R. M.; Meador, M. R. Symposium on Effects of Urbanization on Aquatic Ecosystems. American Fisheries Society Symposium Vol. 47. Amer. Fish. Soc., Bethesda.
- Burton, G. A., Jr.; Greenberg, M. S.; Rowland, C. D.; Irvine, C. A.; Lavoie, D. R.; Brooker, J. A.; Moore, L.; Raymer, D. F. N.; McWilliam, R. A. 2005. In situ exposures using caged organisms: a multi-compartment approach to detect aquatic toxicity and bioaccumulation. Environ. Pollut. 134(1): 133-144.
- Callisto, M.; Goulart, M. 2005. Invertebrate drift along a longitudinal gradient in a Neotropical stream in Serra do Cipo National Park, Brazil. Hydrobiologia 539: 47-56.
- Carter, J. L.; Fend, S. V. 2005. Setting limits: The development and use of factor-ceiling distributions for an urban assessment using macroinvertebrates. IN: Editor, Brown, L. R.; Gray, R. H.; Hughes, R. M.; Meador, M. R. Symposium on Effects of Urbanization on Aquatic Ecosystems. American Fisheries Society Symposium Vol. 47. Amer. Fish. Soc., Bethesda.
- Castro-Souza, T.; Bond-Buckup, G. 2004. The trophic niche of two sympatric *Aegla* Leach species (Crustacea, Aeglidae) in a tributary of hydrographic basin of Pelotas River, Rio Grande do Sul Brazil. Rev. Brasileira Zool. 21(4): 805-813. (In Portuguese, English abstract)
- Caudill, C. C. 2005. Trout predators and demographic sources and sinks in a mayfly metapopulation. Ecology 86(4): 935-946.
- Chertoprud, M. V. 2005. Longitude variability of macrobenthos in the streams of Central European Russia. Zh. Obshch. Biol. 66(6): 491-502. (In Russian; English abstract)
- Christidis, F. 2005. Phylogenetic relationships of the Australian Leptophlebiidae (Ephemeroptera). Invertebr. Syst. 19(6): 531-539.
- Christidis, F.; Dean, J. C. 2005. Three new species of *Austrophlebioides* Campbell and Suter (Ephemeroptera: Leptophlebiidae: Atalophlebiinae) from the wet tropics bioregion of north-eastern Australia. Australian J. Entomol. 44: 132-143.
- Ciborowski, J. J. H.; Drouillard, K. G.; Zhang, J.; Szalinska, E.; Kirkpatrick, A.; Haffner, G. D. 2005. Assessing zoobenthic community condition in the Lake Huron - Lake Erie corridor. Canadian Tech. Rep. Fish. Aquat. Sci. 2617: 1-8.
- Ciborowski, J. J. H.; Krieger, K. A.; Barton, D. R.; Johnson, T. B.; Lozano, S.; Richardson, V. 2005. The Lake Erie Comprehensive Collaborative Survey (ECCS): Zoobenthic distribution - 2004. 48th Annual Conference of the International Association for Great Lakes Research, Ann Arbor, MI, USA. 48: 35. (Abstract)
- Collier, K. J.; Smith, B. J. 2005. Effects of progressive catchment harvesting on stream invertebrates in two contrasting regions of New Zealand's North Island. Mar. Freshwater Res. 56(1): 57-68.
- Cook, L. G.; Crisp, M. D. 2005. Not so ancient: The extant crown group of *Nothofagus* represents a post-Gondwanan radiation. Proc. Roy. Soc. Biol. Sci. Ser. B. 272(1580): 2535-2544.
- Copp, G. H.; Spathari, S.; Turmel, M. 2005. Consistency of diel behaviour and interactions of stream fishes and invertebrates during summer. River Res. Appl. 21(1): 75-90.
- Cunningham, E. L.; Elderkin, C. L.; Berg, D. J. 2005. Development and use of a genetic marker to differentiate two cryptic mayfly (*Hexagenia*) species in the western basin of Lake Erie. 48th Annual Conference of the International Association for Great Lakes Research, Ann Arbor, MI, USA. 48: 44. (Abstract)
- Czerniawska-Kusza, I. 2005. Comparing modified biological monitoring working party score system and several biological indices based on macroinvertebrates for water-quality assessment. Limnologia 35(3): 169-176.
- Dabrowski, J. M.; Bollen, A.; Schulz, R. 2005. Combined effects of discharge, turbidity, and pesticides on mayfly behavior: Experimental evaluation of spray-drift and runoff scenarios. Environ. Toxicol. Chem. 24(6): 1395-1402.
- Danforth, B. N.; Lin, C.-P.; Fang, J. 2005. How do insect nuclear ribosome genes compare to protein-coding genes in phylogenetic utility and nucleotide substitution patterns? Syst. Entomol. 30(4): 549-562.
- Davy-Bowker, J.; Murphy, J. F.; Rutt, G. P.; Steel, J. E. C.; Furse, M. T. 2005. The development and testing of a macroinvertebrate biotic index for detecting the impact of acidity on streams. Arch. Hydrobiol. 163(3): 383-403.
- Dean, J. C.; Suter, P. J. 2004. Descriptions of new species and a new genus of leptophlebiid mayflies (Insecta: Ephemeroptera) from the Northern Territory, Australia. Mem. Mus. Victoria 61(1-2): 111-118.
- De Haas, E. M.; Kraak, M. H. S.; Koelmans, A. A.; Admiraal, W. 2005. The impact of sediment reworking by opportunistic chironomids on specialised mayflies. Freshwater Biol. 50(5): 770-780.
- De Haas, E. M.; Roessink, I.; Verbree, B.; Koelmans, A. A.; Kraak, M. H. S.; Admiraal, W. 2005. Influence of sediment quality on the responses of benthic invertebrates after treatment with the fungicide triphenyltin acetate. Environ. Toxicol. Chem. 24(5): 1133-1139.
- De Lange, H. J.; De Haas, E. M.; Maas, H.; Peeters, E. T. H. M. 2005. Contaminated sediments and bioassay responses of three macroinvertebrates, the midge larva *Chironomus riparius*, the water louse *Asellus aquaticus* and the mayfly nymph *Ephoron virgo*. Chemosphere 61(11): 1700-1709.
- de Melo, S. M.; Takeda, A. M.; Grzybkowska, M.; Monkolski, A. 2004. Distribution of ephemeropteran nymphs associated with different stolon sections of *Eichhornia azurea* (Schwartz) in two floodplain lakes of the Upper Parana River (Brazil). Polish J. Ecol. 52(3): 369-376.
- Derka, T. 2005. First records of two mayfly (Ephemeroptera) species in Slovakia and notes about *Proclonia macronyx*. Biologia 60(5): 497-498.
- DeWalt, R. E.; Favret, C.; Webb, D. W. 2005. Just how imperiled are aquatic insects? A case study of stoneflies (Plecoptera) in Illinois. Ann. Entomol. Soc. Amer. 98(6): 941-950.
- DeWalt, R. E.; Heinold, B. D. 2005. Summer emerging Ephemeroptera,

- Plecoptera, and Trichoptera of Abrams Creek, Great Smoky Mountains National Park. *Proc. Entomol. Soc. Wash.* 107(1): 34-48.
- D'Haese, C. A. 2004. Hexapoda phylogeny: Implications for an aquatic origin hypothesis. *J. Soc. Biol.* 198(4): 311-321. (In French, English abstract)
- Dias, L. G.; Salles, F. F. 2005. Three new species of *Tricorythopsis* (Ephemeroptera : Leptohyphidae) from southeastern Brazil. *Aquat. Insects* 27(4): 235-241.
- Dias, L. G.; Salles, F. F.; Molineri, C. 2005. *Macunahyphes* : A new genus for *Tricorythodes australis* (Ephemeroptera : Leptohyphidae). *Ann. Limnol.* 41(3): 195-201.
- Dube, M. G.; Rickwood, C.; Hruska, K. A.; MacLachy, D. L.; Glozier, N. 2004. Expanding the application of field-based mesocosms for life cycle studies with benthic invertebrates and partial life cycle studies with fish. *Canadian Tech. Rep. Fish. Aquat. Sci.* 2562: 105. (Abstract)
- Dutra, S. L.; Callisto, M. 2005. Macroinvertebrates as tadpole food: Importance and body size relationships. *Rev. Brasileira Zool.* 22(4): 923-927.
- Edmonds-Brown, V.; Copp, G. H.; Majecki, J. 2004. Diel patterns of drift by macroinvertebrates in the River Lee (Hertfordshire) during low discharge. *London Natur.* (83): 145-157.
- Edsall, T. A.; Bur, M. T.; Gorman, O. T.; Schaeffer, J. S. 2005. Burrowing mayflies as indicators of ecosystem health: Status of populations in western Lake Erie, Saginaw Bay and Green Bay. *Aquat. Ecosystem Health Manage.* 8(2): 107-116.
- Edsall, T. A.; Gorman, O. T.; Evrard, L. M. 2004. Burrowing mayflies as indicators of ecosystem health: Status of populations in two western Lake Superior embayments. *Aquat. Ecosystem Health Manage.* 7(4): 507-513.
- Edsall, T. A.; Gorman, O. T.; Evrard, L. M. 2005. Burrowing mayflies as indicators of ecosystem health: Status of populations in two western Lake Superior embayments. *Aquat. Ecosystem Health Manage.* 8(1): 105. (Errata)
- Elliott, J. M. 2004. Prey switching in four species of carnivorous stoneflies. *Freshwater Biol.* 49(6): 709-720.
- Elliott, J. M. 2005. Contrasting diel activity and feeding patterns of four instars of *Rhyacophila dorsalis* (Trichoptera). *Freshwater Biol.* 50(6): 1022-1033.
- Evans-White, M. A.; Stelzer, R. S.; Lamberti, G. A. 2005. Taxonomic and regional patterns in benthic macroinvertebrate elemental composition in streams. *Freshwater Biol.* 50(11): 1786-1799.
- Fenoglio, S.; Bo, T.; Agosta, P.; Cucco, M. 2005. Mass loss and macroinvertebrate colonisation of fish carcasses in riffles and pools of a NW Italian stream. *Hydrobiologia* 532: 111-122.
- Fenoglio, S.; Bo, T.; Battagazzore, M.; Morisi, A. 2005. Growth of *Oligoneuriella rhenana* (Imhoff, 1852) (Ephemeroptera : Oligoneuriidae) in two rivers with contrasting temperatures in NW Italy. *Zool. Stud.* 44(2): 271-274.
- Fenoglio, S.; Bo, T.; Cucco, M. 2004. Small-scale macroinvertebrate distribution in a riffle of a neotropical rainforest stream (Rio Bartola, Nicaragua). *Caribbean J. Sci.* 40(2): 253-257.
- Fesl, C.; Humpesch, U. H.; Woess, E. R. 2005. Biodiversity of the macrozoobenthos of the Austrian Danube, including quantitative studies in a free-flowing stretch below Vienna. *Denisia* 16: 139-158. (In German, English abstract)
- Fonnesu, A.; Sabetta, L.; Basset, A. 2005. Factors affecting macroinvertebrate distribution in a Mediterranean intermittent stream. *J. Freshwater Ecol.* 20(4): 641-647.
- Francischetti, C. N.; da Silva, E. R.; Salles, F. F.; Nessimian, J. L. 2004. The Ephemeroptero fauna (Insecta: Ephemeroptera) of the inferior ritral portion of the Campo Belo river, Itatiaia, Rio de Janeiro state: Composition and mesodistribution. *Lundiana* 5(1): 33-39. (In Portuguese, English abstract)
- Frantova, D.; Moravec, F. 2004. Ultrastructure of the body wall of infective larvae of *Cystidicoloides ephemeridarum* (Nematoda, Cystidicolidae) from mayflies. *Parasitol. Res.* 94(2): 106-111.
- Frantova, D.; Moravec, F. 2004. Comparative studies on intestine ultrastructure of third-stage larvae and adults of *Cystidicoloides ephemeridarum* (Nematoda, Cystidicolidae). *Parasitol. Res.* 94(5): 377-383.
- Fuereder, L.; Wallinger, M.; Burger, R. 2005. Longitudinal and seasonal pattern of insect emergence in alpine streams. *Aquat. Ecol.* 39(1): 67-78.
- Fujitani, T.; Hirowatari, T.; Tanida, K. 2005. *Labioaetis* species of Japan, Taiwan, and Korea, with a new synonym of *L. atrebatinus* (Eaton 1870) and reerection of the subspecies *L. atrebatinus orientalis* (Kluge 1983) (Ephemeroptera, Baetidae). *Limnology* 6(3): 141-147.
- Fuller, R. L.; Kennedy, B. P.; Nielsen, C. 2004. Macroinvertebrate responses to algal and bacterial manipulations in streams. *Hydrobiologia* 523(1-3): 113-126.
- Gaino, E.; Rebora, M. 2005. Egg envelopes of *Baetis rhodani* and *Cloeon dipterum* (Ephemeroptera, Baetidae): A comparative analysis between an oviparous and an ovoviviparous species. *Acta Zool.* 86(1): 63-69.
- Garcia-Criado, F.; Becares, E.; Fernandez-Alaez, C.; Fernandez-Alaez, M. 2005. Plant-associated invertebrates and ecological quality in some Mediterranean shallow lakes: Implications for the application of the EC Water Framework. *Aquat. Conserv.* 15(1): 31-50.
- Gattolliat, J.-L. 2004. First reports of the genus *Nigrobaetis* Novikova & Kluge (Ephemeroptera: Baetidae) from Madagascar and La Reunion with observations on afrotropical biogeography. *Rev. Suisse Zool.* 111(3): 657-669.
- Gerhardt, A.; de Bisthoven, L. J.; Soares, A. M. V. M. 2005. Effects of acid mine drainage and acidity on the activity of *Choroterpes picteti* (Ephemeroptera : Leptophlebiidae). *Arch. Environ. Contam. Toxicol.* 48(4): 450-458.
- Gibbins, C. N.; Scott, E.; Soulsby, C.; McEwan, I. 2005. The relationship between sediment mobilisation and the entry of *Baetis* mayflies into the water column in a laboratory flume. *Hydrobiologia* 533: 115-122.
- Godunko R. J.; Klonowska-Olejnik, M. 2004. *Ecdyonurus austriacus nataliae* n. ssp., a new subspecies of the *Ecdyonurus helveticus*-group from Ukraine (Ephemeroptera: Heptageniidae). *Genus* 15(1): 13-24.
- Godunko, R. J.; Prokopov, G. A.; Kluge, N. Ju.; Novikova, E. A. 2004. Mayflies of the Crimean Peninsula. II. *Baetis braaschi* ZIMMERMANN, 1980 (= *B. stipposus* KLUGE, 1982 syn. n.) (Ephemeroptera: Baetidae). *Acta Zool. Cracoviensia* 47(3-4): 155-166.
- Godunko, R. J.; Prokopov, G. A.; Soldan, T. 2004. Mayflies of the Crimean Peninsula. III. The description of *Baetis milani* sp. n. with notes on taxonomy of the subgenus *Rhodobaetis* JACOB, 2003. *Acta Zool. Cracoviensia* 47(3-4): 231-248.
- Gonzalez Lazo, D. D.; Trapero Quintana, A.; Naranjo Lopez, C. 2005. The aquatic insects of the "Alexander Humboldt" National Park, Cuba. *Bol. S. E. A.* 36: 257-261. (In Spanish, English abstract)
- Gray, B. R. 2005. Selecting a distributional assumption for modeling relative densities of benthic macroinvertebrates. *Ecol. Model.* 185(1): 1-12.
- Greathouse, E. A.; March, J. G.; Pringle, C. M. 2005. Recovery of a tropical stream after a harvest-related chlorine poisoning event. *Freshwater Biol.* 50(4): 603-615.
- Greenberg, L.; Dahl, J.; Bergman, E. 2005. Indirect behavioral effects of a piscivore on trophic interactions in stream enclosures. *Arch. Hydrobiol.* 164(1): 39-51.
- Greenwood, M. J.; McIntosh, Angus, R. 2004. Influence of environmental conditions on nymphal development and abundance of *Deleatidium fumosum* mayflies. *New Zealand Natur. Sci.* 29: 55-66.
- Guenther, J. L.; McCafferty, W. P. 2005. Mayflies (Ephemeroptera) of the Great Plains. III: North Dakota. *Trans. Amer. Entomol. Soc.* 131(3-4): 491-508.
- Gupta, K.; Sharma, A. 2005. Macroinvertebrates as indicators of pollution. *J. Environ. Biol.* 26(2): 205-211.
- Habit, E.; Victoriano, P.; Campos, H. 2005. Trophic ecology and reproductive aspects of *Trichomycterus areolatus* (Pisces,

- Trichomycteridae) in irrigation canal environments. *Rev. Biol. Trop.* 53(1-2): 195-210. (In Spanish, English abstract)
- Halwas, K. L.; Church, M.; Richardson, J. S. 2005. Benthic assemblage variation among channel units in high-gradient streams on Vancouver Island, British Columbia. *J. N. Amer. Benthol. Soc.* 24(3): 478-494.
- Hanquet, D.; Legalle, M.; Compin, A.; Cereghino, R. 2005. Assessment of an artificial intelligence technique in investigating habitat partitioning by coexisting benthic invertebrates in gravel-bed rivers. *River Res. Appl.* 21(6): 629-639.
- Hanquet, D.; Legalle, M.; Garbage, S.; Cereghino, R. 2004. Ontogenetic microhabitat shifts in stream invertebrates with different biological traits. *Arch. Hydrobiol.* 160(3): 329-346.
- Harrison, S. S. C.; Bradley, D. C.; Harris, I. T. 2005. Uncoupling strong predator-prey interactions in streams: The role of marginal macrophytes. *Oikos* 108(3): 433-448.
- Hartman, K. J.; Kaller, M. D.; Howell, J. W.; Sweka, J. A. 2005. How much do valley fills influence headwater streams? *Hydrobiologia* 532: 91-102.
- Heatherly, T., III; Whiles, M. R.; Knuth, D.; Garvey, J. E. 2005. Diversity and community structure of littoral zone macroinvertebrates in southern Illinois reclaimed surface mine lakes. *Amer. Midl. Natur.* 154(1): 67-77.
- Heckman, L.-H.; Friberg, N. 2005. Macroinvertebrate community response to pulse exposure with the insecticide lambda-cyhalothrin using in-stream mesocosms. *Environ. Toxicol. Chem.* 24(3): 582-590.
- Henny, C. J.; Kaiser, J. L.; Packard, H. A.; Grove, R. A.; Taft, M. R. 2005. Assessing mercury exposure and effects to American dippers in headwater streams near mining sites. *Ecotoxicology* 14(7): 709-725.
- Hering, D.; Meier, C.; Rawer-Jost, C.; Feld, C. K.; Biss, R.; Zenker, A.; Sundermann, A.; Lohse, S.; Boehmer, J. 2004. Assessing streams in Germany with benthic invertebrates: selection of candidate metrics. *Limnologia* 34(4): 398-415.
- Herlihy, A. T.; Gerth, W. J.; Li, J.; Banks, J. L. 2005. Macroinvertebrate community response to natural and forest harvest gradients in western Oregon headwater streams. *Freshwater Biol.* 50(5): 905-919.
- Hieber, M.; Robinson, C. T.; Uehlinger, U.; Ward, J. V. 2005. A comparison of benthic macroinvertebrate assemblages among different types of alpine streams. *Freshwater Biol.* 50(12): 2087-2100.
- Hitchings, T. R. 2005. Mayfly (Ephemeroptera) records from the offshore islands of New Zealand. *Rec. Canterbury Mus.* 19: 11-21.
- Hoover, T. M.; Ackerman, J. D. 2004. Near-bed hydrodynamic measurements above boulders in shallow torrential streams: Implications for stream biota. *J. Environ. Eng. Sci.* 3(5): 365-378.
- Hose, G. C.; Wilson, S. P. 2005. Toxicity of endosulfan to *Paratya australiensis* Kemp (Decapoda : Atyidae) and *Jappa kutera* Harker (Ephemeroptera : Leptophlebiidae) in field-based tests. *Bull. Environ. Contam. Toxicol.* 75(5): 882-889.
- Ishiwata, S.-I.; Takemon, Y. 2005. Checklist of Japanese names of Japanese mayflies with notes on nomenclature. *Japanese J. Limnol.* 66(1): 11-35. (In Japanese, English abstract)
- Ito, T.; Ohtaka, A.; Ueno, R.; Kuwahara, Y.; Ubukata, H.; Hori, S.; Itoh, T.; Hiruta, S.-I.; Tomikawa, K.; Matsumoto, N.; Kitaoka, S.; Togashi, S.; Wakana, I.; Ohkawa, A. 2005. Aquatic macroinvertebrate fauna in Lake Takkobu, Kushiro Marsh, northern Japan. *Japanese J. Limnol.* 66(2): 117-128. (In Japanese, English abstract)
- Jackson, D. B. 2005. Environmental correlates of lake occupancy and chick survival of Black-throated Divers *Gavia arctica* in Scotland. *Bird Study* 52(part 3): 225-236.
- Jacobus, L. M.; McCafferty, W. P. 2004. Revisionary contributions to the genus *Drunella* (Ephemeroptera: Ephemerellidae). *J. N. Y. Entomol. Soc.* 112(2-3): 127-147.
- Jacobus, L. M.; McCafferty, W. P. 2005. A new species and new synonym in *Camelobaetidius demoulin* (Ephemeroptera : Baetidae). *J. Kansas Entomol. Soc.* 78(2): 153-157.
- Jacobus, L. M.; McCafferty, W. P. 2005. Validation of *Potamocloeon macafertiorum* Lugo-Ortiz (Ephemeroptera : Baetidae). *Proc. Entomol. Soc. Wash.* 107(2): 474-474.
- Jacobus, L. M.; McCafferty, W. P. 2005. *Apobaetis futilis* (McDunnough), a new combination in Nearctic Baetidae (Ephemeroptera). *Proc. Entomol. Soc. Wash.* 107(4): 979.
- Jacobus, L. M.; McCafferty, W. P.; Sites, R. W. 2005. Significant range extensions for *Kangella* and *Vietnamella* (Ephemeroptera: Ephemerellidae, Vietnamellidae). *Entomol. News.* 116(4): 268-270.
- Jacobus, L. M.; McCafferty, W. P.; Sites, R. W. 2005. A new synonym and new Thailand records of *Cincticostella femorata* (Tshernova) (Ephemeroptera : Ephemerellidae). *Proc. Entomol. Soc. Wash.* 107(3): 733-734.
- Jacobus, L. M.; Zhou, C.-F.; McCafferty, W. P. 2004. Revisionary contributions to the genus *Torleya* (Ephemeroptera: Ephemerellidae). *J. N. Y. Entomol. Soc.* 112(2-3): 153-175.
- Jarvis, K. J.; Haas, F.; Whiting, M. F. 2005. Phylogeny of earwigs (Insecta : Dermaptera) based on molecular and morphological evidence: Reconsidering the classification of Dermaptera. *Syst. Entomol.* 30(3): 442-453.
- Jeffries, M. 2005. Local-scale turnover of pond insects: Intra-pond habitat quality and inter-pond geometry are both important. *Hydrobiologia* 543: 207-220.
- Johansson, J.; Nystrom, P. 2004. Effects of ambient UV-radiation on the behaviour of mayfly larvae of the genus *Deleatidium* from trout bearing and fishless streams in New Zealand. *Arch. Hydrobiol.* 161(3): 403-415.
- Johnson, M. J.; Giller, P. S.; O'Halloran, J.; O'Gorman, K.; Gallagher, M. B. 2005. A novel approach to assess the impact of land use activity on chemical and biological parameters in river catchments. *Freshwater Biol.* 50(7): 1273-1289.
- Kashian, D. R.; Prusha, B. A.; Clements, W. H. 2004. Influence of total organic carbon and UV-B radiation on zinc toxicity and bioaccumulation in aquatic communities. *Environ. Sci. Technol.* 38(23): 6371-6376.
- Katano, O.; Nakamura, T.; Yamamoto, S.; Abe, S. 2004. Food relationship and species composition of fishes in the Urano River, Nagano Prefecture. *Nippon Suisan Gakkaishi* 70(6): 902-909. (In Japanese, English abstract)
- Kefford, B. J.; Palmer, C. G.; Nuggeoda, D. 2005. Relative salinity tolerance of freshwater macroinvertebrates from the south-east Eastern Cape, South Africa compared with the Barwon Catchment, Victoria, Australia. *Mar. Freshwater Res.* 56(2): 163-171.
- Kefford, B. J.; Palmer, C. G.; Pakhomova, L.; Nuggeoda, D. 2004. Comparing test systems to measure the salinity tolerance of freshwater invertebrates. *Water SA* 30(4): 499-506.
- Kelly, D. W.; Dick, J. T. A. 2005. Effects of environment and an introduced invertebrate species on the structure of benthic macroinvertebrate species at the catchment level. *Arch. Hydrobiol.* 164(1): 69-88.
- Klausnitzer, B.; Zimmerman, W. 2004. Dr. Wolfgang Joost (3.12.1937-2.4.2004) - In memoriam. *Entomol. Nachr. Ber.* 48(2): 143-150. (In German)
- Klonowska-Olejnik, M.; Godunko, R. J.; Pawlowski, J. 2005. The historical mayflies (Insecta: Ephemeroptera) collection in the Institute of Systematics and Evolution of Animals, Polish Academy of Sciences (Kraków, Poland). *Acta Zool. Cracoviensia* 48B(1-2): 181-190.
- Kluge, N.; Zhou, C.-F.; Jacobus, L. M. 2004. A new southeast Asian mayfly species (Ephemeroptera: Ephemerellidae: Ephemerellinae). *J. N. Y. Entomol. Soc.* 112(2-3): 148-152.
- Kobayashi, S.; Kagaya, T. 2005. Across-reach consistency in macroinvertebrate distributions among litter patch types in Japanese headwater streams. *Hydrobiologia* 543: 135-145.
- Konopova, B.; Zrzavy, J. 2005. Ultrastructure, development, and homology of insect embryonic cuticles. *J. Morphol.* 264(3): 339-362.
- Kosnicki, E. 2005. Dehydration tolerance of the temporary pond mayfly *Siphonurus typicus* (Ephemeroptera : Siphonuridae). *J. Freshwater Ecol.* 20(3): 609-610.

- Krieger, K. A.; Bur, M. T.; Thomas, M. A.; Johnson, N. J. 2005. Distribution of burrowing mayflies (Ephemeroidea: *Hexagenia* spp.) in the central basin of Lake Erie, 1997-2004: Potential relationship to hypoxia. 48th Annual Conference of the International Association for Great Lakes Research, Ann Arbor, MI, USA. 48: 103-104. (Abstract)
- Küttner, R.; Braasch, D. 2002. Kommentiertes Verzeichnis der Eintagsfliegen (Ephemeroptera) des Freistaates Sachsen (2. Fassung) mit Neufunden für Sachsen. Mitteilungen sächsischer Entomologen 59: 3-8. (In German)
- Labandeira, C. C. 2005. The fossil record of insect extinction: New approaches and future directions. Amer. Entomol. 51(1): 14-29.
- Lauridsen, R. B.; Friberg, N. 2005. Stream macroinvertebrate drift response to pulsed exposure of the synthetic pyrethroid lambda-cyhalothrin. Environ. Toxicol. 20(5): 513-521.
- Leal, J. J. F.; Enrich-Prast, A.; Esteves, F. A.; Bozelli, R.; Farjalla, V. F. 2005. Influence of *Campsurus notatus* bioturbation on oxygen profile and uptake in sediments of an Amazonian lake impacted by bauxite tailings. Arch. Hydrobiol. 162(4): 557-574.
- Ledger, M. E.; Hildrew, A. G. 2005. The ecology of acidification and recovery: Changes in herbivore-algal food web linkages across a stream pH gradient. Environ. Pollut. 137(1): 103-118.
- Leman, V. N.; Chebanova, V. V. 2005. Response of lithophilic zoobenthos to changes in the granulometric composition of grounds in the metarhithral zone of a small river in the foothills of southwestern Kamchatka. Ekologiya 2: 120-125. (In Russian)
- Lencioni, V. 2004. Survival strategies of freshwater insects in cold environments. J. Limnol. 63: 45-55.
- Lepori, F.; Ormerod, S. J. 2005. Effects of spring acid episodes on macroinvertebrates revealed by population data and in situ toxicity tests. Freshwater Biol. 50(9): 1568-1577.
- Lepori, F.; Palm, D.; Brannas, E.; Malmqvist, B. 2005. Does restoration of structural heterogeneity in streams enhance fish and macroinvertebrate diversity? Ecol. Applic. 15(6): 2060-2071.
- Lin, C.; Tong, X.; Lu, W.; Yan, L.; Wu, Y.; Nie, C.; Chu, C.; Long, J. 2005. Environmental impacts of surface mining on mined lands, affected streams and agricultural lands in the Dabaoshan Mine region, southern China. Land Degradation Develop. 16(5): 463-474.
- Lopez Lastra, C. C.; Scorsetti, A. C.; Marti, G. A.; Coscaron, S. 2005. Trichomycetes living in the guts of aquatic insects of Misiones and Tierra del Fuego, Argentina. Mycologia 97(2): 320-328.
- Lorenz, A.; Feld, C. K.; Hering, D. 2004. Typology of streams in Germany based on benthic invertebrates: Ecoregions, zonation, geology and substrate. Limnologica 34(4): 379-389.
- Love, J. W.; Taylor, C. M.; Warren, M. L., Jr. 2005. Predator density and dissolved oxygen affect body condition of *Stenonema tripunctatum* (Ephemeroptera, Heptageniidae) from intermittent streams. Hydrobiologia 543: 113-118.
- Ma, J.; Liang, B.; Zhang, J.-S.; Zhang, J.-P.; Zhang, S.-Y. 2005. The major item and seasonal variation in the diet of Rickett's big-footed bat *Myotis ricketti* in Beijing. Acta. Zool. Sinica 51(1): 7-11. (In Chinese, English abstract)
- Maamri, A.; Pattee, E.; Doledec, S.; Chergui, H. 2005. The benthic macroinvertebrate assemblages in the Zegzel-Cherraa, a partly-temporary river system, Eastern Morocco. Ann. Limnol. 41(4): 247-257.
- Marais, E.; Kiok, C. J.; Terblanche, J. S.; Chown, S. L. 2005. Insect gas exchange patterns: a phylogenetic perspective. J. Exp. Biol. 208(23): 4495-4507.
- Maxted, J. R.; McCready, C. H.; Scarsbrook, M. R. 2005. Effects of small ponds on stream water quality and macroinvertebrate communities. New Zealand J. Mar. Freshwater Res. 39(5): 1069-1084.
- McAdams, S. P.; Jewett-Smith, J. 2004. Relationships between habitat evaluation and benthic macroinvertebrate assemblage in a North-central Pennsylvania freestone stream. J. Pa. Acad. Sci. 77: 142. (Abstract)
- McCafferty, W. P. 2005. *Mystaxiops*: A new genus of small minnow mayflies (Ephemeroptera : Baetidae) from Papua New Guinea. Proc. Entomol. Soc. Wash. 107(3): 536-542.
- McCafferty, W. P.; Barber-James, H. M. 2005. *Tanzaniops*, replacement name for certain African Baetidae (Ephemeroptera). Proc. Entomol. Soc. Wash. 107(1): 238.
- McCarthy, J. M.; Hein, C. L.; Vander Zanden, J. 2004. Rusty crayfish invasion of a northern temperate lake: Longterm effects on benthic communities. Ecol. Soc. Amer. Ann. Meet. 89: 330-331. (Abstract)
- Melo, A. S. 2005. Effects of taxonomic and numeric resolution on the ability to detect ecological patterns at a local scale using stream macroinvertebrates. Arch. Hydrobiol. 164(3): 309-323.
- Mencarelli, C.; Caroti, D.; Bre, M.-H.; Levilliers, N.; Dallai, R. 2005. Tubulin glycylation and glutamylation deficiencies in unconventional insect axonemes. Cell Motility Cytoskeleton 61(4): 226-236.
- Mercado, M.; Elliott, S. 2004. Taxonomic revision of the genus *Metamonius* Eaton (Nesameletidae: Ephemeroptera), with notes on its biology and distribution. Stud. Neotrop. Fauna Environ. 39(2): 149-157.
- Mercado, M.; Elliott, S. 2005. Taxonomic revision of the genus *Chiloporter* Lestage (Ameletopsidae : Ephemeroptera) with notes on its biology and distribution. Stud. Neotrop. Fauna Environ. 40(3): 229-236.
- Meyer, E. I.; Poepperl, R. 2004. Assessing food-web structure, matter fluxes, and system attributes of a Central European mountain stream by performing mass-balanced network analysis. Canadian J. Fish. Aquat. Sci. 61(9): 1565-1581.
- Michaletz, P. H.; Doisy, K. E.; Rabeni, C. F. 2005. Influences of productivity, vegetation, and fish on macroinvertebrate abundance and size in Midwestern USA impoundments. Hydrobiologia 543:147-157.
- Michaud, A. L.; Hare, L.; Campbell, P. G. C. 2005. Exchange rates of cadmium between a burrowing mayfly and its surroundings in nature. Limnol. Oceanogr. 50(6): 1707-1717.
- Molineri, C. 2004. Phylogeny of the *Allenhyphes-Traverhyphes* group (Ephemeroptera: Leptohyphidae), with new subgenera, species and combinations. Tijdschrift Entomol. 147(2): 197-220.
- Molineri, C. 2005. *Leptohyphodes inanis* (Pictet) and *Tricorythodes ocellus* Allen & Roback (Ephemeroptera : Leptohyphidae): New stages and descriptions. Stud. Neotrop. Fauna Environ. 40(3): 247-254.
- Monaghan, M. T.; Gattolliat, J.-L.; Sartori, M.; Elouard, J.-M.; James, H.; Derleth, P.; Glaizot, O.; de Moor, F.; Vogler, A. P. 2005. Trans-oceanic and endemic origins of the small minnow mayflies (Ephemeroptera, Baetidae) of Madagascar. Proc. Roy. Soc. Biol. Sci. Ser. B 272(1574): 1829-1836.
- Monaghan, M. T.; Robinson, C. T.; Spaak, P.; Ward, J. V. 2005. Macroinvertebrate diversity in fragmented Alpine streams: Implications for freshwater conservation. Aquat. Sci. 67(4): 454-464.
- Morrissey, C. A.; Bendell-Young, L. I.; Elliott, J. E. 2005. Identifying sources and biomagnification of persistent organic contaminants in biota from mountain streams of southwestern British Columbia, Canada. Environ. Sci. Technol. 39(20): 8090-8098.
- Motta, R. L.; Uieda, V. S. 2004. Diet and trophic groups of an aquatic insect community in a tropical stream. Brazilian J. Biol. 64(4): 809-817.
- Munawar, M.; Heath, R. T. 2004. Emerging issues in Lake Superior research. Aquat. Ecosys. Health Manage. 7(4): 433-434.
- Nakano, D.; Yamamoto, M.; Okino, T. 2005. Ecosystem engineering by larvae of net-spinning stream caddisflies creates a habitat on the upper surface of stones for mayfly nymphs with a low resistance to flows. Freshwater Biol. 50(9): 1492-1498.
- Naranjo Lopez, C.; Gonzalez Lazo, D. D. 2005. New record of *Americabaetis naranjoi* (Kluge, 1992) (Ephemeroptera: Baetidae) from Cuba. Bol. S. E. A. 36: 236. (In Spanish, English abstract)
- Nguyen, V. V.; Bac, Y. J. 2004. A new species of poorly known mayfly genus *Paegniodes* Eaton (Ephemeroptera: Heptageniidae) from Vietnam. Entomol. Res. 34(4): 283-285.
- Nguyen, V. V.; Bae, Y. J. 2004. Larvae of the heptageniid mayfly genus *Epeorus* (Ephemeroptera: Heptageniidae) from Vietnam. J. Asia-Pac.

- Entomol. 7(1): 19-28.
- Nguyen, V. V.; Bae, Y. J. 2004. Two heptageniid mayfly species of *Thalerosphyrus* Eaton (Ephemeroptera: Heptageniidae) from Vietnam. Korean J. Syst. Zool. 20(2): 215-223.
- Nieto, C. 2004. Redescription of *Varipes* (Ephemeroptera: Baetidae), with the description of new species from Bolivia and Argentina. Aquat. Insects 26(3-4): 161-173.
- Nieto, C. 2004. The genus *Baetodes* (Ephemeroptera: Baetidae) in South America with the description of new species from Argentina, Bolivia and Peru. Stud. Neotrop. Fauna Environ. 39(1): 63-79.
- Nieto, C. 2004. South American Baetidae (Ephemeroptera): A new generic synonymy. Stud. Neotrop. Fauna Environ. 39(2): 95-101.
- Ogden, T. H.; Whiting, M. F. 2005. Phylogeny of Ephemeroptera (mayflies) based on molecular evidence. Molec. Phylog. Evol. 37(3): 625-643.
- Ohimain, E.; Imoobe, T. O. T.; Benka-Coker, M. O. 2005. The impact of dredging on macrobenthic invertebrates in a tributary of the Warri River, Niger delta. African J. Aquat. Sci. 30(1): 49-53.
- Olsen, D. A.; Townsend, C. R. 2005. Flood effects on invertebrates, sediments and particulate organic matter in the hyporheic zone of a gravel-bed stream. Freshwater Biol. 50(5): 839-853.
- Ortiz, J. D.; Marti, E.; Puig, M. À. 2005. Recovery of the macroinvertebrate community below a wastewater treatment plant input in a Mediterranean stream. Hydrobiologia 545: 289-302.
- Oscos, J.; Leunda, P. M.; Campos, F.; Escala, M. C.; Garcia-Fresca, C.; Miranda, R. 2005. Spring diet composition of Rainbow Trout, *Oncorhynchus mykiss* (Walbaum, 1792) in the Urederra River (Spain). Ann. Limnol. 41(1): 27-34.
- Ozdikem, H. 2005. *Clarkeophlebia* nom. nov., a replacement name for the genus *Acanthophlebia* Clarke, 1986 (Lepidoptera, Gelechioidea) non Towns, 1983. New Zealand J. Zool. 32(1): 53.
- Parkyn, S. M.; Quinn, J. M.; Cox, T. J.; Broekhuizen, N. 2005. Pathways of N and C uptake and transfer in stream food webs: An isotope enrichment experiment. J. N. Amer. Benthol. Soc. 24(4): 955-975.
- Patterson, M. W. R.; Barton, D. R. 2005. Distribution of benthic invertebrate communities in Lake Erie, 2002. 48th Annual Conference of the International Association for Great Lakes Research, Ann Arbor, MI, USA. 48: 147. (Abstract)
- Peckarsky, B. L.; Hughes, J. M.; Mather, P. B.; Hillyer, M.; Encalada, A. C. 2005. Are populations of mayflies living in adjacent fish and fishless streams genetically differentiated? Freshwater Biol. 50(1): 42-51.
- Pelegrin, N.; Haro, J. G. 2004. Feeding ecology of *Parodon tortuosus* (Pisces, Characiformes) from Rio de la Suela (Cordoba, Argentina). Ecol. Austral 14(1): 45-51. (In Spanish, English abstract)
- Perez-Bote, J. L. 2004. Feeding ecology of the exotic red swamp crayfish, *Procambarus clarkii* (Girard, 1852) in the Guadiana River (Swiberian Peninsula). Crustaceana 77: 1375-1387.
- Perng, J.-J.; Lee, Y.-S.; Wang, J.-P. 2005. Emergence patterns of the mayfly *Cloeon marginale* (Ephemeroptera: Baetidae) in a tropical monsoon forest wetland in Taiwan. Aquat. Insects 27(1): 1-9.
- Peters, J. G.; Flowers, R. W.; Hubbard, M. D.; Dominguez, E.; Savage, H. M. 2005. New records and combinations for Neotropical Leptophlebiidae (Ephemeroptera). Zootaxa 1054: 51-60.
- Petersen, I.; Masters, Z.; Hildrew, A. G.; Ormerod, S. J. 2004. Dispersal of adult aquatic insects in catchments of differing land use. J. Appl. Ecol. 41(5): 934-950.
- Petit, A. N.; Boulay, M.; Baillieul, F.; Clement, C.; Fontaine, F. 2005. Consequences of esca on carbohydrate physiology in French vineyards. Phytopathologia Mediterranea 44(1): 98. (Abstract)
- Pliuraite, V.; Kesminas, V. 2004. Species composition of macroinvertebrates in medium-sized Lithuanian rivers. Acta Zool. Lituanica 14(3): 10-25.
- Principi, M. M. 2005. Remembering Marta Grandi. Bull. Insectology 58(2): 157-158.
- Prusha, B. A.; Clements, W. H. 2004. Landscape attributes, dissolved organic C, and metal bioaccumulation in aquatic macroinvertebrates (Arkansas River Basin, Colorado). J. N. Amer. Benthol. Soc. 23(2): 327-339.
- Qu, X.; Tang, T.; Xie, Z.; Ye, L.; Li, D.; Cai, Q. 2005. Distribution of the macroinvertebrate communities in the Xiangxi River system and relationships with environmental factors. J. Freshwater Ecol. 20(2): 233-238.
- Randolph, R. P.; McCafferty, W. P. 2005. The mayflies (Ephemeroptera) of Alaska, including a new species of Heptageniidae. Proc. Entomol. Soc. Wash. 107(1): 190-199.
- Reed, T.; Wielgus, S. J.; Barnes, A. K.; Schiefelbein, J. J.; Fettes, A. L. 2004. Refugia and local controls: Benthic invertebrate dynamics in Lower Green Bay, Lake Michigan following zebra mussel invasion. J. Great Lakes Res. 30(3): 390-396.
- Reynolds, J. D. 2005. Dietary patterns in stream- and lake-dwelling populations of *Austropotamobius pallipes*. Bull. Fr. Peche Piscic. 376-377: 715-730.
- Ribeiro, L. O.; Uieda, V. S. 2005. Structure of a benthic macroinvertebrate community in a mountain stream in Itatinga, Sao Paulo, Brazil. Rev. Brasileira Zool. 22(3): 613-618. (In Portuguese, English abstract)
- Riddell, D. J.; Culp, J. M.; Baird, D. J. 2005. Behavioral responses to sublethal cadmium exposure within an experimental aquatic food web. Environ. Toxicol. Chem. 24(2): 431-441.
- Riddell, D. J.; Culp, J. M.; Baird, D. J. 2005. Sublethal effects of cadmium on prey choice and capture efficiency in juvenile brook trout (*Salvelinus fontinalis*). Environ. Toxicol. Chem. 24(7): 1751-1758.
- Rife, G. S.; Moody, D. L. 2004. Aquatic macroinvertebrate communities from the Portage River watershed headwater streams (Wood County, Ohio). Ohio J. Sci. 104(2): 29-35.
- Rinella, D. J.; Feminella, J. W. 2005. Comparison of benthic macroinvertebrates colonizing sand, wood, and artificial substrates in a low-gradient stream. J. Freshwater Ecol. 20(2): 209-220.
- Robinson, C. I.; Jolidon, C. 2005. Leaf breakdown and the ecosystem functioning of alpine streams. J. N. Amer. Benthol. Soc. 24(3): 495-507.
- Robinson, C. T.; Uehlinger, U.; Monaghan, M. T. 2004. Stream ecosystem response to multiple experimental floods from a reservoir. Riv. Res. Applic. 20(4): 359-377.
- Roll, S. K.; Diehl, S.; Cooper, S. D. 2005. Effects of grazer immigration and nutrient enrichment on an open algae-grazer system. Oikos 108(2): 386-400.
- Rooney-Latham, S.; Eskalen, A.; Gubler, W. D. 2005. Teleomorph formation of *Phaeoacremonium aleophilum*, cause of esca and grapevine decline in California. Plant Disease 89(2): 177-184.
- Rostgaard, S.; Jacobsen, D. 2005. Respiration rate of stream insects measured in situ along a large altitude range. Hydrobiologia 549: 79-98.
- Ruetz, C. R., III; Vondracek, B.; Newman, R. M. 2004. Weak top-down control of grazers and periphyton by slimy sculpins in a coldwater stream. J. N. Amer. Benthol. Soc. 23(2): 271-286.
- Sabater, S.; Acuna, V.; Giorgi, A.; Guerra, E.; Munoz, I.; Romani, A. M. 2005. Effects of nutrient inputs in a forested Mediterranean stream under moderate light availability. Arch. Hydrobiol. 163(4): 479-496.
- Salles, F. F.; Da-Silva, E. R.; Serrao, J. E.; Francischetti, C. N. 2004. Baetidae (Ephemeroptera) from Southeastern Brazil: New records and key to nymph genera. Neotrop. Entomol. 33(6): 725-735. (In Portuguese, English abstract)
- Salles, F. F.; Dias, L. G. 2004. Description of the adults of *Camelobaetidius billi* (Ephemeroptera, Baetidae). Iheringia Ser. Zool. 94(3): 269-270. (In Portuguese, English abstract)
- Salles, F. F.; Lugo-Ortiz, C. R.; Da-Silva, E. R. 2004. Description of the adult female of *Americabaetis tithion* (Ephemeroptera: Baetidae). Acta Zool. Mexicana Nueva Ser. 20(1): 23-26. (In Portuguese, English abstract)
- Salles, F. F.; Serrao, J. E. 2005. The nymphs of the genus *Camelobaetidius*

- Demoulin (Ephemeroptera : Baetidae) in Brazil : New species, new records, and key for the identification of the species. *Ann. Limnol.* 41(4): 267-279.
- Sanderson, R. A.; Eyre, M. D.; Rushton, S. P. 2005. The influence of stream invertebrate composition at neighbouring sites on local assemblage composition. *Freshwater Biol.* 50(2): 221-231.
- Sanguinetti, B.; DeWalt, R. E. 2005. Reference conditions for streams in the Grand Prairie Natural Division of Illinois. *Trans. Ill. State Acad. Sci.* 98(Suppl. S): 36-37. (Abstract)
- Santoul, F.; Figuerola, J.; Mastroiello, S.; Cereghino, R. 2005. Patterns of rare fish and aquatic insects in a southwestern French river catchment in relation to simple physical variables. *Ecography* 28(3): 307-314.
- Sartori, M. 2005. A new species of the genus *Paramaka* Savage & Dominguez, 1992 with some comments on related genera (Ephemeroptera, Leptophlebiidae, Atalophlebiinae). *Stud. Neotrop. Fauna Environ.* 40(3): 237-245.
- Sasaki, A.; Ito, A.; Aizawa, J.; Umita, T. 2005. Influence of water and sediment quality on benthic biota in an acidified river. *Water Res.* 39(12): 2517-2526.
- Savage, A. A.; Broomfield, L. C.; Whittington, R. M. 2005. Changes in the littoral macroinvertebrate assemblages of Oak Mere from 1980 to 1998. *J. Natur. Hist.* 39(17): 1307-1312.
- Scharf, R.; Braasch, D. 1999. Die sensiblen Fließgewässer des Landes Brandenburg – 4. Beitrag zu ihrer Erfassung und Bewertung – Landkreise Potsdam-Mittelmark und Teltow-Fläming, Landeshauptstadt Potsdam und Kreisfreie Stadt Brandenburg. *Naturschutz und Landschaftspflege in Brandenburg* 8(2): 45-63 (In German)
- Scharf, R.; Braasch, D. 2000. Die sensiblen Fließgewässer des Landes Brandenburg – 5. Beitrag zu ihrer Erfassung und Bewertung – Landkreis Dahme-Spreewald und Oder-Spree, Kreisfreie Stadt Frankfurt (Oder). *Naturschutz und Landschaftspflege in Brandenburg* 9(2): 62-72 (In German)
- Shloesser, D. W. 2005. Distribution and seasonal abundance of trematode parasites (Trematoda : Alloeoadiidae : *Crepidostomum* spp.) in burrowing mayfly nymphs (Ephemeroptera : Ephemeridae : *Hexagenia* spp.) from connecting rivers of the Laurentian Great Lakes. *Hydrobiologia* 548: 177-189.
- Sharma, C. M.; Sharma, S.; Borgstrom, R.; Bryceson, I. 2005. Impacts of a small dam on macroinvertebrates: A case study in the Tinau River, Nepal. *Aquat. Ecosystem Health Manage.* 8(3): 267-275.
- Shostell, J. M.; Williams, B. S. 2005. A new benthic sampling device for soft sediments in shallow habitats. *J. Freshwater Ecol.* 20(3): 595-602.
- Shubina, V. N.; Shubin, Yu. P. 2004. Feeding characteristics of the European *Thymallus thymallus* and Siberian *Thymallus arcticus* graylings (Thymallidae) in water currents of Kara River in Mountain ridge Pai-Khoi. *Voprosy Ikhtologii* 44(4): 532-537. (In Russian, English abstract)
- Silberbush, A.; Blaustein, L.; Margalith, Y. 2005. Influence of salinity concentration on aquatic insect community structure: a mesocosm experiment in the Dead Sea Basin Region. *Hydrobiologia* 548: 1-10.
- Smiley, P. C., Jr.; Dibble, E. D. 2005. Implications of a hierarchical relationship among channel form, instream habitat, and stream communities for restoration of channelized streams. *Hydrobiologia* 548: 279-292.
- Smith, B. J.; Collier, K. J. 2005. Tolerances to diurnally varying temperature for three species of adult aquatic insects from New Zealand. *Environ. Entomol.* 34(4): 748-754.
- Smith, J. G.; Beauchamp, J. J.; Stewart, A. J. 2005. Alternative approach for establishing acceptable thresholds on macroinvertebrate community metrics. *J. N. Amer. Benthol. Soc.* 24(2): 428-440.
- Smith, R. E. H.; Barton, D. R.; Bocaniov, S. B. 2005. Tributary impacts on coastal ecology in the Georgian Bay-Moon Bay-Moon River system. 48th Annual Conference of the International Association for Great Lakes Research, Ann Arbor, MI, USA. 48: 173. (Abstract)
- Smith, T. S.; Wilson, N. W.; Welch, J. E.; Corder, W. T.; Hogan, M. B. 2004. Prevalence of indoor/outdoor flying insect allergy in a rural population. *J. Allergy Clinical Immunol.* 113(2 suppl): S230. (Abstract)
- Smits, J. E. G.; Bortolotti, G. R.; Sebastian, M.; Ciborowski, J. J. H. 2005. Spatial, temporal, and dietary determinants of organic contaminants in nestling tree swallows in Point Pelee National Park, Ontario, Canada. *Environ. Toxicol. Chem.* 24(12): 3159-3165.
- Soldán, T. 2004. Obituary to Vladimir Landa (1923-2001). *Acta Soc. Zool. Bohemicae* 68(2): 153-160.
- Soldán, T.; Godunko, R. J.; Thomas, A. G. B. 2005. *Baetis chelif* n. sp., a new mayfly from Algeria with notes on *B. sinespinosus* Soldán & Thomas, 1983, n. stat. (Ephemeroptera: Baetidae). *Genus* 16(2): 155-165.
- Sullivan, S. M. P.; Watzin, M. C.; Hession, W. C. 2004. Understanding stream geomorphic state in relation to ecological integrity: Evidence using habitat assessments and macroinvertebrates. *Environ. Manage.* 34(5): 669-683.
- Sun, L.; McCafferty, W. P. 2004. New name for a generic homonym in Caenidae (Ephemeroptera). *Proc. Entomol. Soc. Wash.* 106(4): 936.
- Suren, A. M. 2005. Effects of deposited sediment on patch selection by two grazing stream invertebrates. *Hydrobiologia* 549: 205-218.
- Suren, A. M.; Martin, M. L.; Smith, B. J. 2005. Short-term effects of high suspended sediments on six common New Zealand stream invertebrates. *Hydrobiologia* 548: 67-74.
- Suren, A. M.; McMurtrie, S. 2005. Assessing the effectiveness of enhancement activities in urban streams: II. Responses of invertebrate communities. *River Res. Applic.* 21(4): 439-453.
- Sylvestre, S.; Bailey, R. C. 2005. Ecology of leaf pack macroinvertebrate communities in streams of the Fraser River Basin, British Columbia. *Freshwater Biol.* 50(6): 1094-1104.
- Takemon, Y. 2005. Life-type concept and functional feeding groups of benthos communities as indicators of lotic ecosystem conditions. *Japanese J. Ecol.* 55(1): 189-197. (In Japanese)
- Tanatmis, M. 2004. The Ephemeroptera (Insecta) fauna of the Filyos (Yenice) River Basin. *Türkiye Entomol. Dergisi* 28(3): 229-240. (In Turkish, English abstract)
- Teder, T.; Tammaru, T. 2005. Sexual size dimorphism within species increases with body size in insects. *Oikos* 108(2): 321-334.
- Thiere, G.; Schulz, R. 2004. Runoff-related agricultural impact in relation to macroinvertebrate communities of the Lourens River, South Africa. *Water Res.* 38(13): 3092-3102.
- Tiemann, J. S.; Gillette, D. P.; Wildhaber, M. L.; Edds, D. R. 2005. Effects of lowhead dams on the ephemeropterans, plecopterans, and trichopterans group in a North American river. *J. Freshwater Ecol.* 20(3): 519-525.
- Tiemann, J. S.; Gillette, D. P.; Wildhaber, M. L.; Edds, D. R. 2005. Effects of lowhead dams on the ephemeropterans, plecopterans, and trichopterans group in a North American river. *J. Freshwater Ecol.* 20(4): 80. (Errata)
- Torrallba Burrial, A.; Ocharan, F. J. 2005. Distribution of *Potamanthus luteus* (Ephemeroptera: Potamanthidae) in Aragon (north-eastern Spain). *Bol. S. E. A.* 36: 267-269. (In Spanish, English abstract)
- Tronstad, L. M.; Tronstad, B. P.; Benke, A. C. 2005. Invertebrate seedbanks: Rehydration of soil from an unregulated river floodplain in the south-eastern US. *Freshwater Biol.* 50(4): 646-655.
- Ubero-Pascal, N.; Fortuño, J. M.; Puig, M. À. 2005. New application of air-drying techniques for studying Ephemeroptera and Plecoptera eggs by scanning electron microscopy. *Microscop. Res. Tech.* 68: 264-271.
- Valenti, T. W.; Chaffin, J. L.; Cherry, D. S.; Schreiber, M. E.; Valett, H. M.; Charles, M. 2005. Bioassessment of an Appalachian headwater stream influenced by an abandoned arsenic mine. *Arch. Environ. Contam. Toxicol.* 49(4): 488-496.
- Valle, L. G.; Santamaria, S. 2004. *Bojamyces transfuga* sp. nov. and new records of Trichomycetes from mayfly larvae in Spain. *Mycologia* 96(6): 1386-1392.
- Vance-Chalcraft, H. D.; Soluk, D. A. 2005. Multiple predator effects result

- in risk reduction for prey across multiple prey densities. *Oecologia* 144(3): 472-480.
- Vance-Chalcraft, H. D.; Soluk, D. A. 2005. Estimating the prevalence and strength of non-independent predator effects. *Oecologia* 146(3): 452-460.
- VanDusen, P. J.; Huckins, C. J. F.; Flaspohler, D. J. 2005. Associations among selection logging history, brook trout, macroinvertebrates, and habitat in northern Michigan headwater streams. *Trans. Amer. Fish. Soc.* 134(3): 762-774.
- Voeltz, N. J.; Zuellig, R. E.; Shieh, S.-H.; Ward, J. V. 2005. The effects of urban areas on benthic macroinvertebrates in two Colorado plains rivers. *Environ. Monit. Assess.* 101(1-3): 175-202.
- Voigt, H. 2004. Further evidence of *Brachycentrus maculatus* (Fourcroy, 1785) in Saxony (Trichoptera). *Entomol. Nachr. Ber.* 48(1): 59. (In German)
- von Schiller, D.; Solimini, A. G. 2005. Differential effects of preservation on the estimation of biomass of two common mayfly species. *Arch. Hydrobiol.* 164(3): 325-334.
- Wagner, F. H.; Beisser, C. 2005. Does carbon enrichment affect hyporheic invertebrates in a gravel stream? *Hydrobiologia* 544: 189-200.
- Wagner, R.; Schmidt, H.-H. 2004. Yearly discharge patterns determine species abundance and community diversity: Analysis of a 25 year record from the Breitenbach. *Arch. Hydrobiol.* 161(4): 511-540.
- Ward-Campbell, B. M. S.; Beamish, F. W. H. 2005. Ontogenetic changes in morphology and diet in the snakehead, *Channa limbata*, a predatory fish in western Thailand. *Environ. Biol. Fish.* 72(3): 251-257.
- Webb, J. M.; Parker, D. W.; Lehmkuhl, D. M.; McCafferty, W. P. 2004. Additions and emendations to the mayfly (Ephemeroptera) fauna of Saskatchewan, Canada. *Entomol. News* 115(4): 213-218.
- Webb, J. M.; Parker, D. W.; Lehmkuhl, D. M.; McCafferty, W. P. 2005. Additions and emendations to the mayfly (Ephemeroptera) fauna of Saskatchewan, Canada. *Entomol. News* 116(2): 92. (Errata)
- White, M. M.; Lichtwardt, R. W. 2004. Fungal symbionts (Harpellales) in Norwegian aquatic insect larvae. *Mycologia* 96(4): 891-910.
- Wiersema, N. A.; McCafferty, W. P. 2004. New specific synonyms and records of North American *Centroptilum* and *Procloeon* (Ephemeroptera: Baetidae). *Entomol. News* 115(3): 121-128.
- Wiersema, N. A.; McCafferty, W. P. 2005. Contribution to the taxonomy of *Asioplax* (Ephemeroptera: Leptohyphidae: Tricorythodinae) in the New World. *Entomol. News* 116(3): 147-158.
- Wiersema, N. A.; Nelson, C. R.; Kuehn, K. F. 2004. A new small minnow mayfly (Ephemeroptera: Baetidae) from Utah, USA. *Entomol. News* 115(3): 139-145.
- Winterbourn, M. J. 2004. Association between a commensal chironomid and its mayfly host in rivers of North Westland. *New Zealand Natur. Sci.* 29: 21-31.
- Wipfli, M. S. 2005. Trophic linkages between headwater forests and downstream fish habitats: implications for forest and fish management. *Landscape Urban Plann.* 72(1-3): 205-213.
- Wong, D. C. L.; Toy, R. J.; Dorn, P. B. 2004. A stream mesocosm study on the ecological effects of a C12-15 linear alcohol ethoxylate surfactant. *Ecotoxicol. Environ. Safety* 58(2): 173-186.
- Wood, P. J.; Gunn, J.; Smith, H.; Abas-Kutty, A. 2005. Flow permanence and macroinvertebrate community diversity within groundwater dominated headwater streams and springs. *Hydrobiologia* 545: 55-64.
- Wood, P. J.; Toone, J.; Greenwood, M. T.; Armitage, P. D. 2005. The response of four lotic macroinvertebrate taxa to burial by sediments. *Arch. Hydrobiol.* 163(2): 145-162.
- Yoshimura, C.; Omura, T.; Furumai, H.; Tockner, K. 2005. Present state of rivers and streams in Japan. *Riv. Res. Applic.* 21(2-3): 93-112.
- Yoshimura, M.; Maeto, K. 2004. Comparison of sampling methods for aquatic insect indicators of forest condition in terms of collection efficiency. *Bull. Forest. Forest Prod. Res. Inst.* 3(3): 213-219.
- Younes-Baraille, Y.; Garcia, X.-F. 2005. Impact of the longitudinal and seasonal changes of the water quality on the benthic macroinvertebrate assemblages of the Andorran streams. *Comptes Rendus Biol.* 328(10-11): 963-976.
- Zhang, L.; Jones, G.; Rossiter, S.; Ades, G.; Liang, B.; Zhang, S. 2005. Diet of flat-headed bats, *Tylonycteris pachypus* and *T. robustula*, in Guangxi, South China. *J. Mammal.* 86(1): 61-66.
- Zhou, C.-F.; Braasch, D. 2003. Eine neue Gattung und Art der Heptageniidae (Ephemeroptera) aus dem östlichen China. *Entomol. Nachr. Ber.* 47(3-4): 147-151. (In German, English abstract)
- Zhou, C.-F.; Peters, J. G. 2004. A new subgenus of *Rhithrogena* from China, with description of a new species (Ephemeroptera: Heptageniidae). *Ann. Entomol. Soc. Amer.* 97(5): 898-902.
- Zhou, C.-F.; Zheng, L.-Y. 2004. A preliminary study on the genus *Caenis* (Ephemeroptera: Caenidae) from Chinese mainland, with a description of a new species. *Entomotaxonomia* 26(1): 1-7.
- Zhou, C.-F.; Zheng, L.-Y. 2004. The Genus *Rhithrogena* Eaton (Ephemeroptera: Heptageniidae) from Chinese Mainland, with description of a new species. *Entomotaxonomia* 26(2): 81-85.

Need Help - Current Addresses Unknown

R CHARLTON
DEPARTMENT OF
ENTOMOLOGY
WATERS HALL
KANSAS STATE UNIVERSITY
MANHATTAN KS 66506-4004
USA

C CHARPENTIER ESQUIVEL
HEREDIA COSTA RICA
UNIVERSIDAD NACIONAL
HEREDIA 86-3000
COSTA RICA

C CRESSA
UNIVERSIDAD CENTRAL DE
VENEZUELA
INSTO DE BIOLOGIA EXPERIM
CENTRO DE BIOLOGIA
CELULAR
APARTADO POSTAL 47114
CARACAS 1041-A
VENEZUELA
ccressa@intercable.net.ve

A C ENCALADA
DEPARTMENT OF
ENTOMOLOGY
COMSTOCK HALL
CORNELL UNIVERSITY
ITHACA NY 14853-0001
USA
ace7@cornell.edu

C HAX JONES
ECOLOGICAL RESEARCH
CENTER
NEWTON GA 39870-0001
USA

D REBUCK
PA DEPARTMENT OF
ENVIRONMENTAL
PROTECTION
BUR OF WATERSHED CONS
BLACK FLY SUPPRESS PROGR
464 THIRD STREET

NORTHUMBERLAND PA 17857-1104
USA
Rebucksthe@aol.com

M SALAS
DEPARTMENT OF ECOLOGY AND
BIODIVERSITY
THE UNIVERSITY OF HONG
KONG
POKFULAM ROAD
HONG KONG
CHINA
msalas@hkusua.hku.hk

M VIDAL LOPEZ
DEP RECURSOS NAT FAC
CIENCIAS
RECINTO HOSPITAL VELLO
32004 ORENSE
SPAIN

N YONEMITSU
DEPARTMENT OF CIVIL
ENGINEERING
UNIVERSITY OF BRITISH
COLUMBIA
2324 MAIN HALL
VANCOUVER BRITISH
COLUMBIA V6T 1Z4
CANADA
noboru@civil.ubc.ca

C ZHOU
DEPARTMENT OF BIOLOGY
NANKAI UNIVERSITY
TIANJIN 300071
CHINA
cfzhou@eyou.com

J S ZLOTY
DEPARTMENT OF BIOLOGICAL
SCIENCES
UNIVERSITY OF CALGARY
CALGARY ALBERTA T2N 1N4
CANADA
jzloty@acs.ucalgary.ca