



**CURRENT AND SELECTED  
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## FOREWORD

“Current and Selected Bibliographies on Benthic Biology” is published annually for the members of the North American Benthological Society, and summarizes titles of articles published during the previous year. Pertinent titles prior to that year are also included if they have not been cited in previous reviews.

I wish to thank each of the members of the NABS Literature Review Committee for providing bibliographic information for the 2004 NABS BIBLIOGRAPHY. I would also like to thank Elizabeth Wohlgemuth, INHS Librarian, and library assistants Anna FitzSimmons, Jessica Beverly, and Elizabeth Day, for their assistance in putting the 2004 bibliography together.

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## ANNELIDA

### Including Aphanoneura / Aeolosomatida, Branchiobdellida, Oligochaeta, Polychaeta, and Miscellaneous Annelida.

Mark J. Wetzel

This bibliographic compilation as presented here is also available in electronic form at the World Wide Web URL: <http://www.inhs.uiuc.edu/~mjwetzel/nabs05F.html>

The Annelida sections of previously published NABS bibliographies (for the years 1992 through 2004) are located in the bibliographic section of the web site entitled [The INHS Center for Annelida Resources](http://www.inhs.uiuc.edu/~mjwetzel/mjw.inhsCAR.html#BIBannel), at:

<http://www.inhs.uiuc.edu/~mjwetzel/mjw.inhsCAR.html#BIBannel>

Citations included here are split into the following groupings for the convenience of researchers: Acanthobdellae, Aeolosomatida,

Branchiobdellida, Oligochaeta, Polychaeta, and Miscellaneous Annelida. Papers discussing taxa from more than one of the above groups will be included in each of those groups below. Several papers focusing on terrestrial Oligochaeta have also been included. Researchers should send reprints of their papers to me to ensure that they are included accurately in future bibliographies. Please report inaccuracies in this section to Mark J. Wetzel [E-mail address: [mjwetzel@uiuc.edu](mailto:mjwetzel@uiuc.edu)]. Suggestions are welcomed.

Most citations are followed by one or more numbers and letters in brackets [ ]. Numbers designate the taxonomic level of annelid identification: 1 = phylum, class, ordinal, or familial level of identification; 2 = generic or specific level of identification; 3 = new description, revision, amended description, or other systematic work.

Letters indicate the following: A = Aphanoneura / Aeolosomatida; Ac = Acanthobdellae / Acanthobdellida; Ann = miscellaneous Annelida; B = Branchiobdellida; bib = bibliography; C = cytology; D = description; E = ecology; F = faunistic, or distributional information; G = general; H = Hirudinea; K = key provided; M = methods, such as analysis, collection, or processing information; O = Oligochaeta; P = Polychaeta; Ph = physiology; R = revision; Rvw = review; TMS = taxonomy, morphology, and / or systematics; X = toxicology; xO = interesting paper, but oligochaetes not discussed.

A number followed by a hyphen (-) and a letter indicates the level of identification for that letter group, e.g., [2-O] = species level of identification for Oligochaeta; [3-B] = new species, revision, or amended description of Branchiobdellida. Citations followed by an asterisk (\*) were downloaded from one or more bibliographic databases but have not been verified for accuracy using reprint of article. Unless otherwise noted, all papers are written in English; many include one or more foreign language abstracts or summaries.

I thank K.L. Moss for assistance with the INHS Annelida Bibliographic Database.

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**ANNELIDA (Hirudinea)****Donald J. Klemm and William E. Moser**

Areas of leech studies are both aquatic and terrestrial, and covered in the bibliography are bioassessment, ecology, embryology, environmental and industrial toxicology, medicine, morphology, parasitology, physiology, systematics, and taxonomy. The leech bibliography is intended to help keep students and biologists current with the leech literature. It is also provided to assist the user in selecting information from the literature to help in evaluating data collected during studies of water quality in lentic and lotic habitats, and of the effects of toxic substances and other pollutants on the ecological integrity and health of indigenous populations and communities of macroinvertebrates, including the leeches.

Researchers should send reprints of their papers to the authors to ensure that they are included accurately in future leech bibliographies. The reprints are greatly appreciated.

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## Plecoptera

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## Ephemeroptera

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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/research.htm>.

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## Trichoptera

Andrew P. Nimmo

Where known, at the end of each citation, I have provided references to abstracting organs which make reference to the paper. Print versions of these are no longer available to me at the University of Alberta - only the electronic. Zoological Record appears to be the only one which supplies volume number. Otherwise I can give only accession numbers (*an*) in case these may be of use in searching out abstracts of papers. The abstracting organs are: BA [Biological Abstracts]; AAan [ASFA Aquaculture Abstracts]; ABAan [Animal Behavior Abstracts]; APEQan [Aquatic Pollution & Environmental Quality Abstracts]; Aqua.Aan [Aqualine Abstracts]; ASFA 1, 2, & 3 an [Aquatic Sciences and Fisheries Abstracts]; CAan [Chemical Abstracts]; EAan [Entomology Abstracts]; EcolAan [Ecological Abstracts]; GAan [Genetics Abstracts]; MA(C)an [Microbiology Abstracts (C)]; OAan [Oceanic Abstracts]; PAan [Pollution Abstracts]; TAan [Toxicology Abstracts]; WRAan [Water Resources Abstracts]; ZRan [Zoological Record]; TN [Trichoptera Newsletter, now Braueria]. BRI(BA/RRM) is no longer available to me in any form.

Some authors with more than one initial may use, or not, the extra initials. Such initials, where omitted by the author in some papers, are given in square brackets thus [A.]. All papers by a particular author are grouped together in the list as if all initials were given in all papers. Where author names are given in square brackets, thus [ ... ], the name is not given in the publication, but is known to me.

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This bibliography is on Water Beetle World at <http://www.zo.utexas.edu/faculty/sjasper/beetles/index.htm>. All citations, no matter how old, that are not contained in the complete on-line bibliography may be included each year. I would appreciate receiving copies of all papers on Halipidae, all papers on North American, including Mexican, water beetles, and all papers on the ecology of water beetles. For the rest, I would appreciate receiving citations in an e-mail message or attachment to an e-mail. Please send them to [sjasper@mail.utexas.edu](mailto:sjasper@mail.utexas.edu).

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## Mollusca

### Kevin S. Cummings

The following section lists papers dealing with freshwater mollusks that have been published up to and including 2004 and have not appeared in previous NABS bibliographies. Citations for Aquatic Mollusca will be split into five groups for the convenience of researchers: Unionoida, Sphaeriidae, Corbiculidae, Other Bivalves, and Gastropoda. Those papers which list taxa from more than one of the above categories will be included in each group. A web searchable database of over 15,000 references on freshwater mollusks (including all previous NABS bibliographies on freshwater mollusks) can be found at:

<http://ellipse.inhs.uiuc.edu:591/mollusk/biblio.html>.

To insure that papers are cited correctly, researchers are encouraged to send reprints to: Kevin S. Cummings, Illinois Natural History Survey, 607 E. Peabody Drive, Champaign, Illinois 61820. email: ksc@inhs.uiuc.edu

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## Acarina

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### Freshwater

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## Macroinvertebrate Toxicology

Donald J. Klemm

Areas of toxicological studies covered in the bibliography are for aquatic ecotoxicology and culturing of macroinvertebrates for toxicity testing. The ecotoxicological bibliography is intended to help keep students, biologists, and toxicologists current with the literature. It is also provided to assist the user in selecting information from the literature to help in evaluating data collected during studies of water quality, and the exposure and effects of toxic substances and other stressors or pollution on the health and ecological integrity of aquatic ecosystems.

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## Methods and Techniques

Paul K. Sibley

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## Environmental Requirements

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## Conservation Biology

Matthew E. Herbert

The following section lists papers dealing with the conservation of freshwater organisms and ecosystems. Papers were limited to those with direct application to conservation biology. Many other papers include information that could be used to address conservation issues, but do not deal directly with the subject and thus were excluded to limit the scope of the section. To insure inclusion on future listings and correct citation, authors are encouraged to send reprints to: Matt Herbert, Department of Biology, Brooks 217, Central Michigan University, Mt. Pleasant, MI 48189, galherb@sbcglobal.net.

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