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CURRENT AND SELECTED BIBLIOGRAPHIES ON BENTHIC BIOLOGY – 2014

[published in May 2016]

Society for Freshwater Science

Formerly *North American Benthological Society*

http://www.freshwater-science.org

FOREWORD. "Current and Selected Bibliographies on Benthic Biology" is published annually for the members of the Society for Freshwater Science (SFS) (formerly, the Midwest Benthological Society [MBS, 1953-1975] then the North American Benthological Society [NABS, 1975-2011]). This compilation summarizes titles of articles published during the year (2014). Additionally, pertinent titles of articles published prior to 2014 also have been included if they had not been cited in previous reviews, or to correct errors in previous annual bibliographies, and authors of several sections have also included citations for recent (2015–) publications. I extend my appreciation to past and present members of the MBS, NABS and SFS Literature Review and Publications Committees and the Society presidents and treasurer Mike Swift for their support (including some funds to compensate hourly assistance to Wetzel during the editing of literature contributions from section compilers), to librarians Elizabeth Wohlgemuth (Illinois Natural History Survey) and Susan Braxton (Prairie Research Institute) for their assistance in accessing journals, other publications, bibliographic search engines and abstracting resources, and rare publications critical to the compilation and verification of citations included herein, and to Kristi L. Moss for her assistance during the editing and compilation of sections included in this annual bibliography. Additional information on SFS membership (including on-line and downloadable print/mail membership forms) is available here: http://www.freshwater-science.org/About/About-SFS-Membership.cfm, or contact: **SFS Membership Services**, 5005 Old Main Hill, Logan, UT 84322 USA; Phone: (435) 797-9270; Email: sfsmembership@usu.edu

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Please Read These Notes:

The earliest annual compilations of this bibliography were first presented in mimeographed standard page documents, followed by soft bound, one-column, spine-stapled standard page format; later, a two-column format, in a card-covered glued spine bulletin format was used. The annual NABS / SFS bibliography has not been published / available in a printed format (7-7/8" x 10", soft cover) since 2002. This current bibliography is being presented in a single column, full-page width format, available only as an electronic download in both Word and PDF format via the Bibliography page on the SFS website (see specific access information, below). The keen eye will discern slight variations in citation style (within / between sections). Many section authors closely followed the citation format recommended years ago by former committee chair Don Webb† (in consultation with Ron Hellenthal, who for years integrated annual bibliographic compilations with a global database he maintained for the Society) -- a citation format that was best for the database at that time). Other perennial members of this committee have provided citations formatted differently (likely congruent with their own preferred bibliographic database formats). The future of this annual bibliography has been discussed by members of the Society's Publications Committee; at our committee meeting convened at the annual meeting in Milwaukee in May 2015, it was decided that the annual bibliographic compiliation for publications in 2015 would be the last. Separate from this decision, I have been searching to rediscover past annual compilations (1993–2002) that have not been included in the searchable database (1959–1992) nor as yet available as MS Word and PDF files (2000–'present') via the Society's website. We plan to scan and post PDFs of these past compilations via the SFS Bibliography webpage in the near future.

Recently, when looking through the extensive reprint collection of Dr. R. Weldon 'Larry' Larimore† (my first boss and one of the 13 founding members of our Society in 1953), I discovered a pristine copy of the very first 'annual' society bibliography (compiled by whom I consider to be the founding members of Society's first Society literature review committee; this first compilation spanned the years 1959–1964. I scanned that original compilation, and you can now download a PDF version of it from the SFS Bibliography webpage; it is entitled "MBS_Biblio_1959to1964.pdf", it is located on that page just above the subheading "SFS BIBLIOGRAPHY SEARCH (1959-1992)"].

I am still searching for original, paper copies of the annual literature compilations (years 1965 through ~1975, so please contact me if you have copies. Once received, these documents will be scanned to PDF documents, then posted on the website with the other annual bibliographic compilations.

At the request of Deb Finn and Tina Mendez, I am preparing an historical perspective on the MBS / NABS / SFS Literature Review Committee, which will also include the names of all contributors and (when possible) their years of tenure on the committee. Although my list of past and present members and their years of service on this committee is extensive, I encourage each of them to contact me with their years of service on this committee.

As many committee members have noted (at the beginning of their sections as included herein), please send your publications (paper reprint or pdf) to all pertinent section editors to assure citations are accurately included – bibliographic download services are incredible assets to committee members when compiling our sections, but we know that citations provided by these services are occasionally inaccurate and/or incomplete; also note that several committee members have retired, and may not have easy access (physical or electronic) to library resources. Over the last few years, we have seen a significant increase in 'on-line first' publications, followed later by publication of these papers in more traditional, paper format and on-line issues and volumes.

If you see errors or omissions herein, please send *incorrect* as well as *corrected* citation(s) to the author(s) of the pertinent section(s). Thank you for your interest and your assistance.

***Mark J. Wetzel*, Editor – NABS/SFS Annual Bibliography, and Chair, SFS Literature Review Committee. E-mail: mjwetzel@illinois.edu**

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ANNELIDA: Acanthobdellida, Branchiobdellida, oligochaetous Clitellata (microdriles and megadriles), Polychaeta, miscellaneous Annelida, and general interest publications – Mark J. Wetzel

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Introduction.

The Annelida sections of previously published NABS and SFS bibliographies (compilations for the years 1992 through 2009 are located in the **bibliographic section of The INHS Center for Annelida Resources website.** Recent annual compilations for 2010 through 2013, and for the year 2014 (presented herein) are being combined and will soon be accessible via the **Links Page associated with the INHS Annelida Collections website.**

Citations included here are split into the following subsections for the convenience of researchers: **Acanthobdellida**, **Branchiobdellida**, **oligochaetous Clitellata** (with two sections: microdrile oligochaetes and megadrile oligochaetes), **Polychaeta: Aphanoneura, Other Polychaeta**, and **miscellaneous Annelida** (e.g., Archiannelida, Echiura, Myzostomida, Pogonophora, Sipuncula, and Vestimentifera -- primarily systematic papers describing new taxa). A **general interest section** has also been included for interesting papers not necessarily focused on annelids. Papers discussing taxa from more than one of the above groups will be included with each of those group compilations, below.

Authors should send reprints of their publications [PDF preferred] to me to ensure accurate inclusion in future bibliographies, and that information specific to descriptions of new taxa is available for inclusion on our new oligochaete nomenclator website:

Reynolds, J.W. & M.J. Wetzel. 2016. Nomenclatura Oligochaetologica – A catalogue of names, descriptions and type specimens. Editio Secunda

Please report inaccuracies in this section to me (contact information above). I thank our global annelid 'family' for providing reprints and pdfs of their publications for inclusion in past and present bibliographic compilations. – *MJW*.

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Acanthobdellida

Aguado, M.T.; Capa, M.; Oceguera-Figueroa, A.; Rouse, G.W. 2014. Annelids Segmented Worms. Pp. 255-270, In: P. Vargas and R. Zardoya. Tree of life: evolution and classification of living organisms. Sinauer Associates, Sunderland, MA 01375 USA. ISBN 978-1-60535-229-9.

Minelli, A.; Sket, B.; de Jong, Y. 2014. Fauna Europaea: Annelida - Hirudinea, incl. Acanthobdellea and *Branchiobdella*. Biodiversity Data Journal, 2: e4015.

Branchiobdellida

Aguado, M.T.; Capa, M.; Oceguera-Figueroa, A.; Rouse, G.W. 2014. Annelids Segmented Worms. Pp. 255-270, In: P. Vargas and R. Zardoya. Tree of life: evolution and classification of living organisms. Sinauer Associates, Sunderland, MA 01375 USA. ISBN 978-1-60535-229-9.

Minelli, A.; Sket, B.; de Jong, Y. 2014. Fauna Europaea: Annelida - Hirudinea, incl. Acanthobdellea and *Branchiobdella*. Biodiversity Data Journal, 2: e4015.

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Akbaripasand, A.; Ramezani, J.; Lokman, P.M.; Closs, G.P. 2014. Can drifting invertebrates meet the energy requirements of drift-feeding fish? A case study on *Galaxias fasciatus*. Freshwater Science 33(3): 904-914.

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ANNELIDA (Hirudinida) – Fredric R. Govedich and William E. Moser

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Leech studies included here 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 copies of their papers [paper reprint or as pdf via an email attachment] to both Bill Moser and Fred Govedich to ensure that they are included accurately in future leech bibliographies; their contact information is provided in the Table of Contents at the beginning of this compilation. The reprints and pdfs are greatly appreciated.

Biology/Ecology/Taxonomy

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EPHEMEROPTERA – Luke M. Jacobus

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ODONATA – ***No contribution for this section this year.*** *Please contact Mark if you are interested in compiling this section section for the years 2014 and 2015 as a member of SFS Literature Review Committee.*

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TRICHOPTERA – Jason L. Robinson

Important note from editor M.J. Wetzel: Last year's annual compilation (for the year 2013, completed and posted in May 2015 on the Bibliography section of the SFS website) was dedicated to Andy Nimmo, who passed away on 14 May 2015. Andy was one of the truly perennial members of the NABS / SFS Literature Review Committee, compiling the Trichoptera section for 30 years (1984-2013). A more inclusive memoriam to Andy, written by colleagues Bruce Heming and David Ruiter, was recently published in our journal:

Heming, B. and D. Ruiter. 2015. Andrew (Andy) Peebles Nimmo 9 December 1938–14 May 2015. ***Freshwater Science*** 34(4): 1195-1200 [DOI: 10.1086/684075]

The SFS Literature Review Committee welcomes our newest member, Dr. Jason L. Robinson, who joined our committee in late 2015 after Andy Nimmo passed away.

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MOLLUSCA – Kevin S. Cummings

The following are papers on freshwater mollusks that have been published up to and including 2014 that have not appeared in previous Freshwater Science bibliographies. Citations for Aquatic Mollusca will be split into five groups for the convenience of researchers: **Unionoida (p. 86)**, **Sphaeriidae (p. 103)**, **Corbiculidae (p. 106)**, **Dreissenidae & other Freshwater Bivalves (p. 110)**, and **Gastropoda (p. 116)**. 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 23,000 references on freshwater mollusks (including all previous NABS/Freshwater Science 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 pdf's or reprints to: Kevin S. Cummings, Illinois Natural History Survey, Prairie Research Institute at the University of Illinois at Urbana-Champaign, 1816 South Oak Street, Champaign, IL 61820; email: kscummin@illinois.edu.

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METHODS AND TECHNIQUES – Paul K. Sibley.

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MACROINVERTEBRATE TOXICOLOGY: ***No contribution for this section received this year.*** *Please contact Mark if you are interested in compiling this section for the 2015 annual bibliography as a member of SFS Literature Review Committee.*

END – – SFS Annual Literature Review Compilation for the year 2014.