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CURRENT AND SELECTED BIBLIOGRAPHIES ON BENTHIC BIOLOGY

– 2015 & 2016 –

[published in May 2017]

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 in 2015. Additionally, pertinent titles of articles published prior to 2015 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 (2016 and 2017) publications. I extend my appreciation to 1) 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, 2) 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 3) Kristi L. Moss (Illinois Natural History Survey) for her assistance during the editing, formatting, 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

Please Read These Notes: The earliest compilations of this annual bibliography were presented in mimeographed standard page documents, followed in the mid-late 1960s by soft bound, one-column, spine-stapled standard page format; later, a two-column format in bulletin format (with cardstock-cover and glued spine) 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). Users of this (and previous) annual bibliographic compilations will discern 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, or personal style manual preferences). The future of this annual bibliography was discussed by members of the Society's Publications Committee (PubCom) at our annual meetings in 2013 and 2014; at our PubCom meeting convened during the annual SFS meeting in Milwaukee (May 2015), we decided that the annual bibliographic compilation for publications in 2015 would be the last.

In response to the SFS archiving initiative for all Society business (MBS, NABS, SFS) initiated by Mike Paul, the BoG, and others 3-4 years ago, I initiated a project specific to the LRC – to archive all annual bibliographic compilations published by the Society. To date, scans of annual bibliographic compilations for the years 1973, 1974, and 1976 through 2002 have been completed – each with a frontal page created to introduce that annual compilation (with a brief history and links) to those who are new (and continuing) users of these annual bibliographies.

Still missing are scans of the annual bibliographies compiled for the years 1966 through 1972, and 1975; **IF you have a paper copy** of one or more of these missing annual bibliographies in your files, please loan them to me so I can scan / post them in PDF on the SFS bibliography webpage.

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 the list of past and present members and their years of committee membership is extensive, I encourage each of them to contact me with their years of service on this committee.

As stated above, this 'issue' of the annual bibliography will be the last one compiled by the SFS Literature Review Committee. I joined this committee in 1978, working closely with Don Webb† – who chaired this committee from the late 1960's through 2010 until he convinced me to take over as chair in 2011. Its been a distinct honor and pleasure to contribute to this annual bibliography, and to have the opportunities to collaborate with so many Society members, especially Don Webb†.

Thank you, section compilers, society members, and authors for your interest, support, and contributions!

***Mark J. Wetzel*, Editor – NABS/SFS Annual Bibliography, and Chair, SFS Literature Review Committee.**
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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 2017 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. 2017. 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*.

Acanthobdellida

Ben Ahmed, R.; Bacchetta, R.; Boesi, R.; Froman, N.; Marotta, R.; Ferraguti, M. 2015. The spermatozoa of Hirudinea with examples from three different taxa. Zoologischer Anzeiger, 255: 54-61. DOI Link: 10.1016/j.jcz.2015.02.001.

Verdonschot, P.F.M. 2015. Introduction to Annelida and the Class Polychaeta. Pp. 509-528, In: Thorp, J., and Rogers, D.C. (Eds.), Ecology and General Biology, Volume 1. Thorp and Covich's Freshwater Invertebrates, 4th Edition; Academic Press, Ltd.- Elsevier Science, Ltd., 24-28 Oval Road, London NW1 7DX, England; ISBN: 978-0-12-385027-0; 978-0-12-385026-3. DOI Link: 10.1016/B978-0-12-385026-3.00020-6.

Branchiobdellida

Ben Ahmed, R.; Bacchetta, R.; Boesi, R.; Froman, N.; Marotta, R.; Ferraguti, M. 2015. The spermatozoa of Hirudinea with examples from three different taxa. Zoologischer Anzeiger, 255: 54-61. DOI Link: 10.1016/j.jcz.2015.02.001.

Gelder, S.R.; Williams, B.W. 2015. Clitellata: Branchiobdellida. Pp. 551-563, In: Thorp, J., and Rogers, D.C. (Eds.), Ecology and General Biology, Volume 1. Thorp and Covich's Freshwater Invertebrates, 4th Edition; Academic Press, Ltd.- Elsevier Science, Ltd., 24-28 Oval Road, London NW1 7DX, England; ISBN: 978-0-12-385027-0; 978-0-12-385026-3. DOI Link: 10.1016/B978-0-12-385026-3.00022-X.

Ohtaka, A.; Gelder, S.R. 2015. Description of a New Species of Branchiobdellida (Annelida: Clitellata) and Comparison with Other *Cirrodrilus* Species in Northern Honshu, Japan. Species Diversity, 20(1): 67-71.

Verdonschot, P.F.M. 2015. Introduction to Annelida and the Class Polychaeta. Pp. 509-528, In: Thorp, J., and Rogers, D.C. (Eds.), Ecology and General Biology, Volume 1. Thorp and Covich's Freshwater Invertebrates, 4th Edition; Academic Press, Ltd.- Elsevier Science, Ltd., 24-28 Oval Road, London NW1 7DX, England; ISBN: 978-0-12-385027-0; 978-0-12-385026-3. DOI Link: 10.1016/B978-0-12-385026-3.00020-6.

Oligochaetous Clitellata – microdrile oligochaetes (freshwater, marine, terrestrial)

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Aborgiba, M.; Kostic, J.; Kolarevic, S.; Kracun-Kolarevic, M.; Elbahi, S.; Knezevic-Vukcevic, J.; Lenhardt, M.; Paunovic, M.; Gacic, Z.; Vukovic-Gacic, B. 2016. Flooding modifies the genotoxic effects of pollution on a worm, a mussel and two fish species from the Sava River. Science of the Total Environment, 540: 358-367. DOI Link: SI 10.1016/j.scitotenv.2015.03.120.

Achurra, A.; Rodriguez, P. 2016. Syntopy in subterranean fauna: Trophic specialisation in two new species of *Rhyacodrilus* Bretscher, 1901 (Annelida, Clitellata, Rhyacodrilinae). Zoologischer Anzeiger, 261: 1-11. DOI Link: 10.1016/j.jcz.2016.02.001.

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Achurra, A.; Rodriguez, P.; Reynoldson, T.B. 2015. Is the Cantabrian region of northern Spain a biodiversity hotspot for obligate groundwater fauna? The case of oligochaetes (Annelida, Clitellata). Hydrobiologia, 745(1): 151-166. DOI Link: 10.1007/s10750-014-2101-4.

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

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Leech studies included here are both aquatic (freshwater and marine) and terrestrial, coverint topics such as bioassessment, ecology, embryology, environmental and industrial toxicology, medicine, morphology, parasitology, physiology, systematics, and taxonomy. This 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.

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MOLLUSCA – Kevin S. Cummings

The following are papers on freshwater mollusks that have been published up to and including 2015 that have not appeared in previous Freshwater Mollusk Conservation Society (FMCS) bibliographies. Citations for Aquatic Mollusca will be split into five groups for the convenience of researchers: Unionoida, Sphaeriidae, Corbiculidae, Dreissenidae & other FW Bivalves, and Gastropoda. Those papers that include taxa from more than one of the above categories will be included under each group. A web searchable database of over 24,000 references on freshwater mollusks (including all previous FMCS bibliographies on freshwater mollusks) can be found at: http://ellipse.inhs.uiuc.edu:591/mollusk/biblio.html.

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METHODS AND TECHNIQUES – Paul K. Sibley.

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