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**CURRENT AND SELECTED BIBLIOGRAPHIES ON BENTHIC BIOLOGY – 2012**

**[for the year 2011, published February 2014]**

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**DEDICATIO**

**Donald W. Webb**

**(12 July 1939 – 5 September 2012)**

**Benthologist, Bibliographer, Balladeer**



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The past and present members of the SFS Literature Review Committee dedicate this 2012 (for 2011) annual bibliographic compilation to Dr. Donald W. Webb, who passed away peacefully at home on 5 September 2012. Don had served on this committee since 1969, and as chair from 1973 through 2010. The perennial success of this annual bibliography, and the collegial interactions and comradery amongst section contributors over the years were always championed by Don – resulting in a consistent, high quality bibliographic compilation. This annual publication prepared for the Society for Freshwater Science (and before that, Midwest Benthological Society [1953-1975] and North American Benthological Society [1975-2011]) has excelled far beyond like-compilations prepared by any other organization, worldwide – for its members, and for the greater scientific communities focusing on all things benthological. Don was honored during a memorial / musical jam session on Tuesday evening, 21 May at the annual society meeting in Jacksonville, Florida (19-23 May 2013) (*see extended note at top of following page*). During that special session, SFS members shared their memories of Don with each other – personal reflections as well as his unselfish dedication and devotion to our Society on so many levels. A more formal memoriam, as originally discussed, was changed to include music, as it would have been an undersight in absence of highlighting his long involvement with the Benthic Balladeers – that rag tag group of seasoned musicians-turned-benthologists who have gathered (often more than once) during our annual meetings to entertain, serenade, and otherwise humor themselves as well as any and all other members, guests, and passersby. If you knew Don, on any level, you certainly know the reasons supporting the love and respect we have always had for him – throughout his career, and on into retirement when he took up ‘Turf Consultation’ (golf). It is a little known fact that Don has been memorialized (verse 11) in the official song of MBS/NABS/SFS – \*\*the *Benthic Waltz* (ca. 1986, Thomas F. Waters**†**). Don was an important vertebra in the backbone of this society, even though most of us work with the diverse boneless wonders of the world. We shall always remember Don for his guidance, encouragement, and most of all, courtesy and kindness, and crooning over the years.

**Forward.**

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A special memorial / jam session was organized and presented on Tuesday evening, during the 61st annual meeting of the Society for Freshwater Science in Jacksonville, Florida; during that session, The Benthic Waltz and many other songs were played to honor ten of our society’s perennial members who passed away in 2012 and early 2013: Thomas F. Waters, Donald W. Webb, Kenneth W. Stewart, Katharine 'Tara' Willey, William P. Coffman, Michael Hubbard, James R. Sedell, John D. Unzicker, Sadie Gnilka, and Jarl K. Hiltunen. Memoria for Tom, Don, Ken, Tara, Bill, Mike, and Jim are presented in the Benthos News section of our Society's website, here: **http://www.freshwater-science.org/News/**

\*\* The lyrics to the Benthic Waltz are at the bottom of the memoriam for Tom Waters, via the above URL.

***– Mark J. Wetzel, chair of this committee, and humbled friend and compatriot of Don for 40 years.***

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**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 previous year (2011). Additionally, pertinent titles of articles published prior to 2011 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 included citations for recent (2012) publications. I extend my appreciation to past and present members of the MBS, NABS and SFS Literature Review and Publications Committees, to librarians Elizabeth Wohlgemuth (Illinois Natural History Survey) and Susan Braxton (Prairie Research Institute), and to Kristi L. Moss and Erika Bilger for their assistance in compiling this 2012 (for 2011) bibliography. Information on SFS membership (including downloadable and membership forms) are available here: <http://www.freshwater-science.org/About-NABS/About-SFS-Membership.aspx>. Inquiries should be directed towards SFS Member Services: 5400 Bosque Blvd., Suite 680, Waco, TX 76710 USA; telephone: (254) 399-9636; FAX: (254) 776-3767; E-mail: membership@benthos.org.

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**Please Read These Notes:** Historically, annual compilations of this bibliography were presented in a two-column format. Since this annual bibliography has not been published in hard copy since 2002
(7-7/8” x 10”, soft cover), this current bibliography is being presented in a single column, full-page width format. The keen eye will discern slight variations in citation format from one section to the next. While many section authors have 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 – requiring a citation format that was best for the database at that time), other perennial members of this committee provide citations formatted differently (likely congruent with their own bibliographic database formats). This ***is*** a committee of dedicated volunteers (many who have been members for over 25 years); thus, I feel it is more important to accept contributions from all committee members rather than reject sections that do not follow explicit format or meet fixed deadlines. I will be discussing options regarding the future of this annual bibliography with the Society’s Publications Committee soon, and in particular, requesting some minimal funds to revitalize the searchable global citation database, and to integrate annual compilations over the last 10 years that remain accessible to current members only as text (MS Word) and PDF files via the Society’s website.

If you see errors or omissions in any of the citations included below, please send the *incorrect* as well as the *corrected* citation(s) to the author(s) of the pertinent section(s). As many committee members note at the beginning of their sections, please send your publications (paper reprint or pdf) to all pertinent section editors to assure they 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. Thank you for your interest and assistance.  ***Mark J. Wetzel*, Editor – 2012 (for 2011) NABS/SFS Annual Bibliography, and Chair, SFS Literature Review Committee. E-mail: mjwetzel@illinois.edu**

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**ANNELIDA (Oligochaeta, plus other non-hirudinidan groups – Branchiobdellida, selected megadrile publications, Aeolosomatida and other selected Polychaeta)**: Mark J. Wetzel, Illinois Natural History Survey, Prairie Research Institute at the University of Illinois at Urbana-Champaign, Forbes Natural History Bldg., MC-652, 1816 South Oak Street, Champaign, IL 61820 USA. Tel: (217) 244-2108. E-mail: mjwetzel@illinois.edu. URL:http://www.inhs.uiuc.edu/~mjwetzel/hp.home.html. 6

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**MEGALOPTERA**: Jeffrey S. Heilveil, Biology Department, SUNY College at Oneonta, Oneonta, NY 13820. E-mail: Jeffrey.Heilveil@oneonta.edu; Tel: 607) 436-3162. *Jeff kindly accepted the responsibility for this section after Don Webb (who compiled this section for many years) passed away in 2012.* 99

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**DIPTERA (Ceratopogonidae)**:Donald W. Webb**†**, Illinois Natural History Survey.
*A short dedicatio to Don, who passed away on 5 September 2012, is presented on page 1 of this annual bibliography. Please contact Mark if you are interested in compiling the Ceratopogonidae section for 2013 (and beyond) as a member of SFS Literature Review Committee*. 109

**DIPTERA (Chironomidae)**:Donald W. Webb**†**, Illinois Natural History Survey. *A short dedicatio to Don, who passed away on 5 September 2012, is presented on page 1 of this annual bibliography. Please contact Mark if you are interested in compiling the Ceratopogonidae section for 2013 (and beyond) as a member of SFS Literature Review Committee*. 117

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**GENERAL AQUATIC ECOLOGY**: Barry N. Brown, Access & Collection Services Division, Mansfield Library, University of Montana, 32 Campus Dr. #9936, Missoula, MT 59812-9936. E-mail: Barry.Brown@umontana.edu. Tel: (406) 243-6811. . 248

**MACROINVERTEBRATE TOXICOLOGY**: Michael L. Sergeant, Great Lakes Environmental Center, 739 Hastings St., Traverse City, MI 49686. Tel: (231) 941-2230; E-mail: msergeant@glec.com. . 287

***No contribution for this section received this year.***

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**Annelida: introduction; Branchiobdellida; Oligochaetous Clitellata.**

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## ANNELIDA: Acanthobdellida, Branchiobdellida, oligochaetous Clitellata (‘Oligochaeta’), Aeolosomatida, other Polychaeta, and miscellaneous Annelida – Mark J. Wetzel

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**Introduction.** The Annelida sections of previously published NABS and SFS bibliographies (compilations for the years 1992 through 2012 {*the* *section included herein*} are located in the bibliographic section of the web site entitled: The INHS Center for Annelida Resources, at:

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

Citations included here are split into the following subsections for the convenience of researchers: Acanthobdellida, Branchiobdellida, oligochaetous Clitellata (‘Oligochaeta’), Polychaeta (including the Aphanoneura / Aeolosomatida), Miscellaneous Annelida (including Archiannelida), and megadrile oligochaetes (selected papers focusing on terrestrial and semi-terrestrial earthworms, primarily systematic papers describing new taxa). Papers discussing taxa from more than one of the above groups will be included with each of those group compilations, below. Researchers should send reprints of their publications [PDF preferred] to me to ensure that they are included accurately in future bibliographies, and that the information specific to new taxa is available for inclusion on our new website:

Reynolds, J.W. and M.J. Wetzel (2014) – **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**

Świątek, P; Urbisz, A.Z.; Strużyński, W.; Płachno, B.J.; Bielecki, A.; Cios, S. Salonen, E.; Klag. J. 2012. Ovary architecture of two branchiobdellid species and *Acanthobdella peledina* (Annelida, Clitellata). Zoologischer Anzeiger 251(1): 71-82.

**Branchiobdellida**

Świątek, P; Urbisz, A.Z.; Strużyński, W.; Płachno, B.J.; Bielecki, A.; Cios, S. Salonen, E.; Klag. J. 2012. Ovary architecture of two branchiobdellid species and *Acanthobdella peledina* (Annelida, Clitellata). Zoologischer Anzeiger 251(1): 71-82.

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**Oligochaetous Clitellata – Aquatic Microdrile Oligochaetes**

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**Annelida: Oligochaetous Clitellata – aquatic microdriles.**

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Boros, G. 2012. First record of reproduction by fragmentation in the genus *Marionina* (Oligochaeta: Enchytraeidae). Pp. 151-156, *In:* Pavlíček, T; Cardet, P.; Csuzdi, C.; Le Bayon, R.-C.; Gobat, J.-M. (eds.). 2012. Advances in Earthworm Taxonomy V (Annelida: Oligochaeta). Proceedings of the 5th International Oligochaeta Taxonomy Meeting Beatenberg, Switzerland, 11-15 April, 2011. Zoology in the Middle East 58 (Supplement 4). Taylor and Francis, Ltd., England. ISSN: 0939-7140 (print), 2326-2680 (online).

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**Annelida: Oligochaetous Clitellata – aquatic microdriles.**

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Chanabun, R.; Sutcharit, C.; Tongkerd, P.; Tan, S.H.A.; Panha, S. 2012. Three new species of semi-aquatic freshwater earthworms of the genus *Glyphidrilus* Horst, 1889 from Malaysia (Clitellata: Oligochaeta: Almidae). Zootaxa (3458): 120-132.

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**Annelida: Hirudinida.**

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

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*The SFS Literature Review Committee extends our appreciation to Dr. Donald J. Klemm, who compiled the literature for this leech section since 1973, and then in collaboration with Bill Moser since 2000. Don relinquished his ‘attachment’ to this section after contributing to last year’s (2011 for 2010) annual bibliography, passing the opportunity to Fred Govedich.*

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 to Fred Govedich to ensure that they are included accurately in future leech bibliographies; their contact information is presented at the beginning of this document. The reprints are greatly appreciated.

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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. *Andy Nimmo.*

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**Diptera (Ceratopogonidae).**

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**DIPTERA (Ceratopogonidae):** Donald W. Webb**†**, Illinois Natural History Survey. *A short dedicatio to Don, who passed away on 5 September 2012, is presented on page 1 of this annual bibliography. Please contact Mark if you are interested in compiling the* Ceratopogonidae *section for 2013 (and beyond) as a member of SFS Literature Review Committee*.

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**DIPTERA (Chironomidae):** Donald W. Webb**†**, Illinois Natural History Survey. *A short dedicatio to Don, who passed away on 5 September 2012, is presented on page 1 of this annual bibliography. Please contact Mark if you are interested in compiling the Chironomidae section for 2013 (and beyond) as a member of SFS Literature Review Committee*.

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**DIPTERA (Other dipteran groups) – Ben A. Foote**

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**No contribution available this year.**

Attempts to contact Dr. Foote, who I believe retired recently, have been unsuccessful. If you (any SFS member) who has an affinity with and interest in the diverse families of Diptera (INCLUDING Ceratopogonidae and Chironomidae) – I strongly encourage you to consider serving as a member of the elite and perennially dedicated members of the SFS Literature Review Committee as a compiler of pertinent citations for these groups. Please contact me at your earliest convenience.

**Mark J. Wetzel, Chair, SFS Literature Review Committee (contact info at the bottom of page 2 of this compilation)**

**Mollusca.**

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**MOLLUSCA – Kevin S. Cummings**

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The following section lists papers dealing with freshwater mollusks that have been published up to and including 2011 and have not appeared in previous SFS bibliographies. Citations for Aquatic Mollusca will be split into five groups for the convenience of researchers: Unionoida, Sphaeriidae, Corbiculidae, Dreissenidae & 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 18,000 references on freshwater mollusks (including all previous SFS 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, 607 E. Peabody Dr., Champaign, IL 61820.
email: ksc@inhs.illinois.edu

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**MACROINVERTEBRATE TOXICOLOGY – Michael L. Sergeant.**

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**No contribution available this year.**

Attempts to contact Dr. Sergeant, have been unsuccessful. If you (any SFS member) who has an affinity with and interest in macroivertebrate toxicology – I strongly encourage you to consider serving as a member of the elite and perennially dedicated members of the SFS Literature Review Committee as a compiler of pertinent citations for this section. Please contact me at your earliest convenience.

**Mark J. Wetzel, Chair, SFS Literature Review Committee (contact info at the bottom of page 2 of this compilation)**

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**END – – 2012 SFS annual bibliography (for 2011).**