



FAB Mission:

To provide a forum for the exchange of information and training for aquatic biologists and scientists in related disciplines

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ANNOUNCEMENTS – Part 1

We have made several changes over the past year, including changing our name from *Florida Association of Benthologists* to *Florida Association of Aquatic Biologists*. For many years we have welcomed all topics on aquatic biology and decided our name should reflect this. We hope changing “benthologists” to “aquatic biologists” will attract a wider audience, encourage more active FAB participants, and most importantly, students and young aquatic scientists. Please note that our logo and acronym will remain the same.

New Website

Along with our name change, we started developing an updated website. Please visit our new and much improved website [HERE](#). Over the next few months, we will be adding new content to the site along with transferring some of the content from the old website, which will remain for approximately one month. Thanks for your patience during our website construction and feel free to send me any comments, suggestions or problems that you encounter with the new site. I appreciate feedback as we want to develop a functionally seamless and attractive website.

New Facebook Name

To coordinate with our new name, our Facebook name has changed to www.facebook.com/flaquaticbiologists. If you already like and follow our site, you do not need to make any changes.

#Hashtags#

To broaden our social networking presence, please hashtag your FAB related pictures of aquatic animals, field days, microscope pictures, etc. Our official hashtag is #FloridaAquaticBiologists, but feel free to add any other relevant hashtags to your post.

New Mailing Address & Credit Card Payments

Additionally, we now accept credit cards as an additional form of payment for membership dues and registration fees. You can visit our [FAB Store](#) to register for an event and pay with a credit card on the new website. If you still wish to pay with a check, please note our there is a new mailing address for registration checks since Rob Mattson is now serving as our new Treasurer.

Thank you,

Jennifer Davenport
Internet Committee Chair



FALL 2018 TAXONOMIC WORKSHOP

Bryozoa



October 10-12, 2018

**University of Tampa Marine Science Center
Tampa, Florida**

The 2018 Florida Association of Aquatic Biologists Fall Taxonomic Workshop will be held on October 10-12 at the University of Tampa's Marine Lab on Tampa Bay. This year's workshop will focus on the Bryozoa and we are pleased to have Dr. Judith E. Winston from the Smithsonian Marine Station in Ft. Pierce leading our workshop this year. It will be an excellent experience for both students and professionals. The workshop registration is \$70.00 for FAB members; \$125.00 for non-members and \$45.00 for students. Registration deadline is Friday October 5th. Please register at the NEW FAB website: <https://www.floridaaquaticbiologists.org/events.html>

Seating will be limited to 25, so be sure to register early!

REGISTRATION DEADLINE: Friday October 5th, 2018

FAB Members: \$ 70.00

Non-Members: \$125.00

Students: \$45.00

Payment with credit card is now available on our website! Check payments are also accepted at the workshop, but online registration ahead of time is preferred.

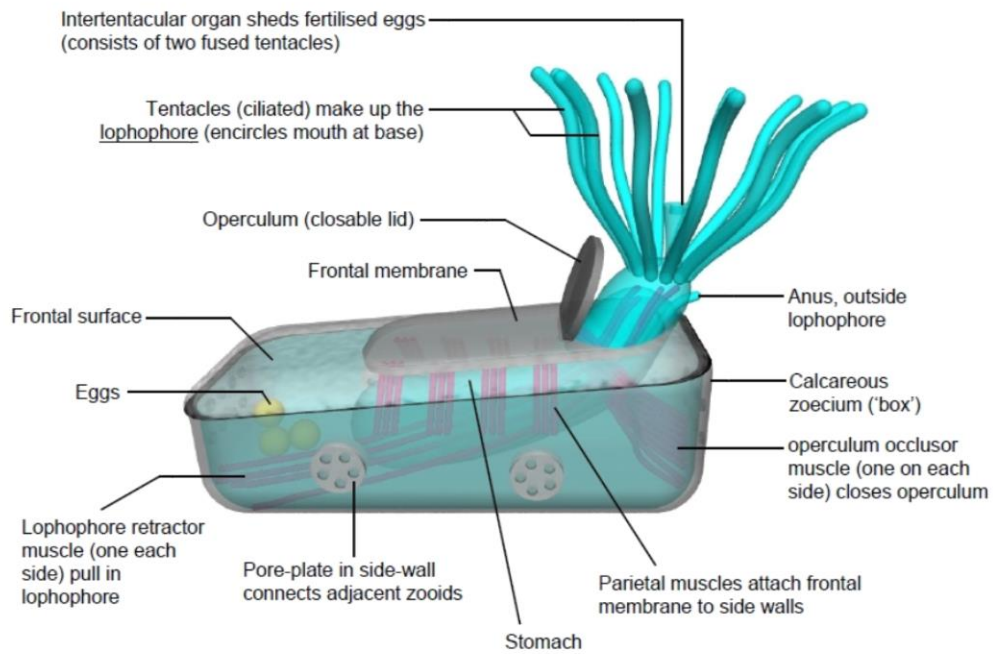
If you pay by check, you can bring to the meeting or mail your check to:

Rob Mattson, FAB Treasurer

121 Palm Trail

East Palatka, FL 32131

Bryozoan Anatomy (based on the encrusting cheilostome *Electra*)





32nd ANNUAL MEETING OF THE FLORIDA ASSOCIATION OF AQUATIC BIOLOGISTS

November 8-9, 2018

UF Whitey Marine Laboratory, 9505 N Ocean Shore Blvd
St. Augustine, FL 32080

For registration and other detailed information please see the [announcement](#).

We welcome oral presentations and posters on any topic pertaining to aquatic biology and ecology. Papers or posters on methodology or experimental design are also appropriate and welcome. Submittals from students are particularly encouraged and as an incentive, students who present an oral paper or poster get their meeting registration fee waived.

****STUDENTS****



**GAIN EXPERIENCE AND IMPROVE YOUR RESUME!
REGISTRATION FOR THE FALL ANNUAL MEETING IS ALWAYS FREE IF YOU
PARTICIPATE IN AN ORAL OR POSTER PRESENTATION.**



**TWO \$200 AWARDS FOR ORAL PRESENTATIONS (GRADUATE AND
UNDERGRADUATE LEVEL) AND ONE \$100 AWARD FOR BEST POSTER ARE
OFFERED.**

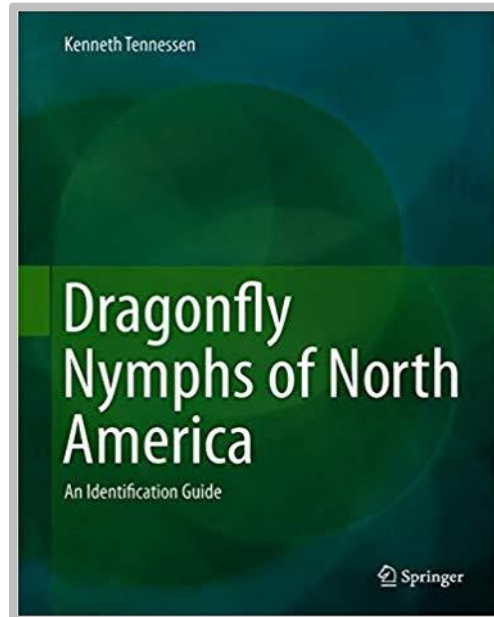


**SCHOLARSHIPS FOR TRAVEL EXPENSE ASSISTANCE MAY BE AVAILABLE TO
PARTICIPANTS.**



**THE FAB ANNUAL MEETING IS A RELAXED, STUDENT-FRIENDLY VENUE AND A
GREAT PLACE TO MEET OTHER BIOLOGISTS.**

ANNOUNCEMENTS – Part 2



\$265.99 from [Amazon](#)

This monograph is the first of its kind devoted entirely to the dragonfly nymphs of North America north of Mexico, the focus being accurate identification of the 330 species of Anisoptera that occur in the region. Nymphal external morphology is described and illustrated in detail, and all terms needed to navigate the dichotomous keys are defined. Species are tabulated with references that provide the most detailed, accurate descriptions for each; species that are inadequately described are so indicated. The key separating the seven families in the region contains several new characters. The families are then covered separately: Aeshnidae (13 genera), Gomphidae (17 genera), Petaluridae (2 genera), Cordulegastridae (2 genera), Macromiidae (2 genera), Corduliidae (7 genera), and Libellulidae (29 genera). Each family is further characterized, followed by a generic key. A drawing of the habitus and diagnostic details for each genus are provided, along with additional diagnostic remarks and notes on habitat and life cycle; for each genus, a map shows its geographic distribution in North America. Full-grown nymphs of all known species of each genus are keyed and diagnosed; characters that apply to earlier instars are noted. Morphological variation in character states was analyzed in order to assess the reliability of previously utilized characters and to discover new characters. Most of the characters used to distinguish all levels of taxa are illustrated; a total of 702 figures, comprising 1,800 original drawings, along with selected photographs where necessary for clarity, accompany



the keys. Measurements of total length, head width, and other variables for each species are provided in tables.

Dr. John Epler has made his recent publication available on his website:

The genus *Cryptotendipes* Beck et Beck in Florida, with the description of a new species (Diptera: Chironomidae: Chironominae)

Visit his website to download <http://johnnepler.com/pubs.html>

Dr. Epler recently posted corrections and revisions to his Coleoptera identification manual, along with recent updates to [checklists](#) of the Chironomidae, Coleoptera, and Odonota of Florida

CONFERENCES AND MEETINGS OF INTEREST

- North American Lake Management Society Annual Meeting. [NALMS 38th International Symposium](#) October 30-November 2, 2018 Cincinnati, Ohio
- [Society for Freshwater Science](#) (SFS-aka NABS) 2019 Annual Meeting, Salt Lake City, Utah, May 19 – 23, 2019
- [The 2019 Benthic Ecology Meeting](#) April 3 - 9, 2019, St. John's, Newfoundland, Canada
- [ASLO](#) 2018 Ocean Sciences Meeting (with AGU, TOS). Portland, OR, February 11-16, 2018
- [International Polychaete Conference 2019](#) hosted by California State University and Natural History Museum of Los Angeles County, Long Beach, CA
- [The 2019 International Congress of Odonatology](#) will be held in Austin, Texas, July 14-19, 2019
- Florida Association for Water Quality Control June , June 12 – 14, 2019, Naples Grande Beach Resort, Naples, FL
- [9th National Summit on Coastal and Estuarine Restoration and Management](#) December 8-13, 2018, Long Beach, CA
- [Florida Floodplain Managers Association Annual Conference](#), Daytona Beach, March 26 - 29
- [2018 AWRA Annual Conference](#) Annual Conference, November 4, 2018, Baltimore, Md
 - Florida Chapter Technical Meeting, November 30, 2018, Tallahassee, FL
 - 28th Annual Southwest Florida Water Resources Conference, January 25, 2019, Ft. Myers
 - Florida Chapter Annual Meeting, August 1, 2019, Key West, FL

National Geographic Red Tide Review



LITERATURE

Hyperlinks provided when downloads are available for entire article or abstracts

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FAB Membership

If you would like to become a member of the Florida Association of Aquatic Biologists (FAB), membership is only \$30.00 and due February 15th of each year. Your membership is for one year: Jan 1–Dec 31. Click [here](#) to become a member today! Once registered, you will receive email confirmation of your purchase. If you would like to pay your dues and register for a workshop, you may add them to your cart and they will be displayed as separate items on the receipt for easy bookkeeping. We accept major credit cards, or you may send your check, payable to FAB to:

Rob Mattson, Treasurer
121 Palm Trail
East Palatka, FL 32131

