

A microscopic image of a light-colored aquatic larva, possibly a copepod, is shown against a dark background. The larva has a segmented body and several appendages. The text 'FAB NEWS' is overlaid on the image in a large, white, serif font, with a horizontal line underneath the letters.

FAB NEWS

The Newsletter of the
Florida Association of Aquatic Biologists

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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Volume 29, Issue 2

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ANNOUNCEMENTS – PART 1

2021 Annual Meeting

October 6-7, 2021

We are excited to announce the 35th Annual Meeting of the Florida Association of Aquatic Biologists will be held in-person at the Cedar Key Community Center (809 6th Street, Cedar Key, Florida 32625).

Call for Presentations

We welcome oral presentations and posters on any topic pertaining to aquatic animals or plants and their taxonomy, systematics, ecology, biogeography, physiology, behavior, or other related topics related to aquatic habitats, communities, or populations. 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.

COVID-19 Safety Precautions

We want to take some safety precautions to ensure all attendees stay healthy and safe. Masks will be mandatory during all indoor activities while not eating or drinking. FAB will have disposable masks available, as needed. The Cedar Key Community Center has ample space for us to seat attendees with proper distancing. We will request that all attendees sign a declaration form stating that they are currently not experiencing any COVID-19 symptoms; have not tested positive for COVID-19 or been in close contact with someone that has tested positive for COVID-19.

Please submit abstracts for oral and poster presentations by September 20, 2021. Abstracts for papers and posters should be submitted digitally (in Microsoft WORD format) via email to Shannon McMorrow at president@floridaaquaticbiologists.org by Monday September 20, 2021. Abstracts should be no more than one printed page in length; use Calibri (body) 11 point font.

Abstract format should be:

Title

Author(s) [If more than one author, please indicate presenting author with an asterisk (*).]

Affiliation(s)

Body of abstract



Registration

Registration will be open on the website on Monday, September 6, 2021 (<https://www.floridaaquaticbiologists.org/events.html>). Registration fees are \$70 for members, \$125 for non-members and \$45 for students (unless presenting-see below). You must register to attend the Annual Meeting and online registration is preferred. Or you can fill out the registration form on our website and then mail a check (made payable to FAB) to: Rob Mattson, FAB Treasurer, 121 Palm Trail, East Palatka, FL 32131. You can also pay at the door with cash, check or credit card.

Detailed logistics, including lodging options, will also be posted on the website Monday.

Student Awards

FAB provides a relaxed, yet professional, opportunity for students to acquire presentation experience and expand their resumes.

Registration fees will be waived for all student presenters.

To be considered for a student presentation award, please submit your abstract to Shannon McMorro (president@floridaaquaticbiologists.org). Please indicate with your abstract submission that you wish to be considered for a student award, and whether you plan to present an oral talk or a poster. Also, please register online for our meeting so that we have your contact information.

The following student awards are available:

Student Presentation Awards:

- Best Oral Presentation for a Graduate Student - \$200
- Best Oral Presentation for an Undergraduate Student - \$200
 - Best Poster Presentation - \$100

Executive Committee Members

The FAB Executive Committee will meet on Wednesday October 6 from 8 AM-10 AM.

Annual Business Meeting of the Florida Association of Aquatic Biologists

The Annual Business Meeting of the Association will be held on Thursday, October 7 from 1:30-2:30 PM. This meeting is important for FAB as an organization and your participation is highly recommended and encouraged.



Hotel accommodations are available at the following locations:

[Cedar Cove Hotel](#) – Studio = \$119/night; One bedroom loft- \$129

[Beach Front Hotel](#)- \$99-\$159/nigh

[Island Place](#) - \$130-\$145 for single bedroom; \$170 for 2 bedroom (2 night minimum)

There may also be mom and pop motels and cabins, as well as B and Bs

Questions regarding the Annual Meeting? Please contact:

Shannon McMorrow, President

Florida Association of Aquatic Biologists

(352) 284-7094 president@floridaaquaticbiologists.org

Marine Taxonomy Workshop

Opisthobranch Gastropods

**Dr. Michael Middlebrooks,
Assistant Professor, Biology, University of Tampa**



Michael Middlebrooks is a marine ecologist with an emphasis on photosynthetic kleptoplastic sea slugs. His research is particularly focused on how photosynthetic activity affects the behavior and ecological interactions for motile marine herbivores.

In addition, Tom Dix will present revisions on the Pyramidellids and Turbonillids

The workshop will be held on October 27-29, 2021, at the University of Tampa Marine Lab. Details will be soon posted on the FAB website.



CONFERENCES AND MEETINGS OF INTEREST

- [Society for Freshwater Science](#) (SFS-aka NABS). Grand Rapids, Michigan, May 14-20, 2022. This is a joint meeting of 9 biological societies
- [International Conference on Marine Organisms and Biology ICMOB001](#). Rome, Italy, May 3-4, 2022
- [International Conference on Biological Oceanography and Marine Biology ICBOMB001](#). Vancouver, Canada, August 5-6, 2022
- [International Conference on Marine Biology, Evaluation and Speciation ICMBES002](#). Vancouver, Canada, August 5-6, 2022
- [International Conference on Experimental Marine Biology and Biodiversity ICEMB012](#). New York, New York, August 9-10, 2022
- There are numerous marine biology conferences all over the world. If you are interested, click [Marine Biology Conferences 2021/2022/2023 \(conferenceindex.org\)](#)
- [Worldwide Dragonfly Association](#). Pathos, Cyprus June 25-30, 2023
- [The Crustacean Society](#). Phoenix, Arizona, January 3-7, 2022
- [Coastal and Estuarine Research Federation](#) (CERF). Virtual, November 1-11, 2021
- [Entomological Society of America](#). Denver, Colorado, October 31-November 3, 2021
- [Joint International Conference on Ephemeroptera and Plecoptera](#). Fort Collins, Colorado, July 24-30, 2022
- [North American Lake Management Society \(NALMS\)](#). Oklahoma City, Oklahoma, November 15-18, 2021

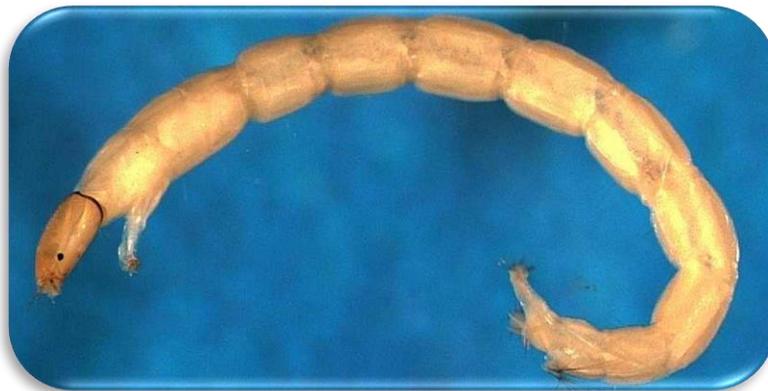
LITERATURE

Hyperlinks provided for downloads of entire article (if free access) or abstract

- Adams, S. B. & R. L. Jones, 2021. [Crayfishes of Mississippi: A Provisional Checklist with Distributions and Discussion of Unresolved Taxonomic Issues](#). *Southeastern Naturalist* 20(1): 51–76
- Anker, A., M., et al. 2021. [A new species of *Alpheus* Fabricius, 1798 \(Decapoda: Caridea: Alpheidae\) from the Caribbean coast of Panama](#). *Zootaxa* 4933(3)
- Bielmyer-Fraser, G., et al. 2020. [Spatial and Temporal Water Quality Assessment in the Lower St. Johns River, Florida](#). *Southeastern Naturalist* 19(3): 582–600
- Blake, J. A. 2021. [New species and records of Orbiniidae \(Annelida, Polychaeta\) from continental shelf and slope depths of the Western North Atlantic Ocean](#). *Zootaxa* 4930(1)
- Blake, J. A. 2021. [New species and records of *Caulleriella* \(Annelida, Cirratulidae\) from shelf and slope depths of the Western North Atlantic Ocean](#). *Zootaxa* 4990(2): 253–279
- Böhm, M., et al. 2021. [The conservation status of the world's freshwater molluscs](#). *Hydrobiologia* 848: 3231–3254
- Boyero, L., et al. 2021. [Impacts of detritivore diversity loss on instream decomposition are greatest in the tropics](#). *Natural Communities* 12: 3700

- Checon, H. H., et al. 2021. [Using the *Capitella* complex to investigate the effects of sympatric cryptic species distinction on ecological and monitoring studies in coastal areas](#). *Marine Biodiversity* 51: 48
- Conde-Vela, V. M. 2021. [Revision of *Ceratonereis* Kinberg, 1865 recorded from the Caribbean Sea, with description of two new *Ceratonereis* species and a new combination of *Platynereis* Kinberg, 1865](#). *Zootaxa* 5026(3): 301–343
- Conlan, K. E., et al. 2021. [Jassa \(Crustacea: Amphipoda\): a new morphological and molecular assessment of the genus](#). *Zootaxa* 4939(1)
- Craig, C. W. & D. L. Felder. 2021. [Molecular phylogenetic analysis of the *Paguristes tortugae* Schmitt, 1933 complex and selected other Paguroidea \(Crustacea: Decapoda: Anomura\)](#). *Zootaxa*, 4999(4): 301–324
- Felder, D. L. 2021. [Description of *Paraxiopsis kensleyi* n. sp., a new axiid lobster from the Gulf of Mexico \(Crustacea: Decapoda: Axiidea\)](#). *Zootaxa* 4965 (1): 129–141
- Flemming, A. & L. M. Page. 2021. [Life History of the Swamp Darter, *Etheostoma fusiforme*, in Florida](#). *Southeastern Naturalist* 19(2): 418–435
- Fowler, A. E., et al. 2021. [Opening Pandora's bait box: a potent vector for biological invasions of live marine species](#). *Diversity and Distributions* 22(1): 30–42
- García-Vázquez, L., et al. 2021. [Six new epigeal species of *Caecidotea* \(Isopoda: Asellidae\) distributed along the Trans-Mexican Volcanic Belt in Central Mexico](#). *Zootaxa* 4965(1): 45–77
- Girón J. C. & A. E. Z. Short. 2021. [The Acidocerinae \(Coleoptera, Hydrophilidae\): taxonomy, classification, and catalog of species \(pensoft.net\)](#) *ZooKeys* 1045: 1–236
- Graf, D. L. & K. S. Cummings. 2021. [A 'big data' approach to global freshwater mussel diversity \(Bivalvia: Unionoida\), with an updated checklist of genera and species](#). *Journal of Molluscan Studies* 87(1)
- Hamilton, C. A., et al. 2021. [The Future for a Prominent Taxonomy](#). *Insect Systematics and Diversity* 5(1)
- Heres, B. M., et al. 2020. [Novel Epibiont Coral Found on *Limulus polyphemus* \(Atlantic Horseshoe Crab\) in Northwestern Florida](#). *Southeastern Naturalist* 19(3): N45–N48
- Houghton, D. C. 2021. [A new species of *Setodes* Rambur \(Trichoptera: Leptoceridae\) from northern Michigan, USA](#). *Zootaxa* 4965(2): 293–300
- Hribar, L. J. & A. K. Rasmussen. 2021. [Oecetis inconspicua \(Walker\) \(Trichoptera: Leptoceridae\) added to the caddisfly fauna of Monroe County, Florida](#). *Proceedings of the Academy of Natural Sciences of Philadelphia* 167(1): 159–161
- Jain, A., A. K. Rasmussen, et al. 2020. [Water Chemistry and Aquatic Insect Assemblages of Ephemeral Ponds in the Munson Sand Hills Region of the Apalachicola National Forest, Florida](#). *Southeastern Naturalist* 19(2): 205–232
- Johnson, D. P., et al. 2021. [The genus *Creaserinus* Hobbs, 1973 \(Decapoda: Cambaridae\) in Texas](#). *Zootaxa* 5017(1): 1–84
- Johnston, G. R., et al. 2020. [Temporal Variation in a Turtle Assemblage Inhabiting a Florida Spring-fed River](#). *Southeastern Naturalist* 19(2): 271–282
- Jordt, S. & B. W. Taylor. 2021. [A rolling stone gathers no eggs: the importance of stream insect egg laying natural history for stream restoration](#). *Ecology* 102(7)
- Leal, J. H. 2021. [Type specimens in the molluscan collection of the Bailey-Matthews National Shell Museum, Florida, USA](#). *Zootaxa*, 4951(1): 1–40

- Limberger, M., et al. 2021. [A new species of freshwater amphipod \(Crustacea, Peracarida, Hyalellidae\) from Southern Brazil](#). *Zootaxa* 5026(2): 182–200
- Mattson, R.A., et al. 2021. Spatial patterns of submerged macrophyte communities in select Florida spring-run streams: A review with new data. *Florida Scientist* 84(1): 45–60
- McFadden, C. S., et al. 2021. [Phylogenomics, Origin, and Diversification of Anthozoans \(Phylum Cnidaria\)](#). *Systematic Biology* 70(4): 635–647
- Orfinger, A. B. & J. K. Moulton. 2021. [Polycentropus aileenae n. sp. \(Trichoptera: Polycentropodidae\), a caddisfly species from the eastern Nearctic, with new state records for members of the Polycentropus confusus Species Group](#). *Zootaxa* 4996(2): 353–362
- Pernecker, B., et al. 2021. [No experimental evidence for vector-free, long-range, upstream dispersal of adult Asian clams](#). *Biological Invasions* 23: 1393–1404
- Pinho, L. C. & T. Andersen. 2021. [Neotropical Nilothauma Kieffer, 1921 \(Diptera, Chironomidae\): Key, eleven new species, re-descriptions, new combination and new records](#). *ZooKeys* 1033: 81–125
- Pursifull, S., et al. 2021. [Status of Freshwater Mussels in the Ochlockonee River Basin of Georgia and Florida](#). *Southeastern Naturalist*, Volume 20(1): 1–19
- Sawyer, R. T. 2021. [Description and taxonomic analysis of a tuberculated turtle leech from the Outer Banks, North Carolina, USA, provisionally identified as Placobdella Moore, 1953 \(Hirudinea: Glossiphoniidae\)](#). *Zootaxa* 4991(1): 1–35
- Stepanian, P. M., et al. 2021. [Declines in an abundant aquatic insect, the burrowing mayfly, across major North American waterways](#). *Proceedings of the National Academy of Sciences* 117(6): 2987–2992
- Talhaferro, J. T., et al. 2021. [Three new species of Hyalella \(Crustacea: Amphipoda: Hyalellidae\) from the Southern Brazilian Coastal Plain](#). *Zootaxa* 4970(2): 257–292
- Violante-Huerta, M., et al. 2021. [Morphological variations of Phrosina semilunata Risso, 1822 juveniles \(Crustacea: Amphipoda: Hyperiidea\), new evidence from the Gulf of Mexico](#). *Zootaxa*, 4995(3): 594–600
- Wahl, C., et al. 2021. [Invasion of floating fern alters freshwater macroinvertebrate community structure with implications for bottom-up processes](#). *Hydrobiologia* 848: 2523–2537
- Winston, J. E. & J. B. Jackson. 2021. [Coral reef-associated bryozoans of Jamaica](#). *Zootaxa* 4988(1): 1–218
- Wonglersak, R., et al. 2021. [Insect body size changes under future warming projections: a case study of Chironomidae \(Insecta: Diptera\)](#). *Hydrobiologia* 848: 2785–2796





ANNOUNCEMENTS – PART 2

Dr. John Morse inducted to the Society of Freshwater Science Fellows Program

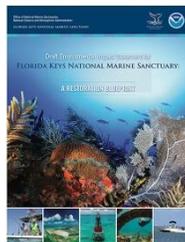


The Fellows of the Society of Freshwater Science are selected based on sustained excellence in contributions to freshwater science research, policy, or management. These are the leaders, at national and international levels, of their areas of freshwater science.

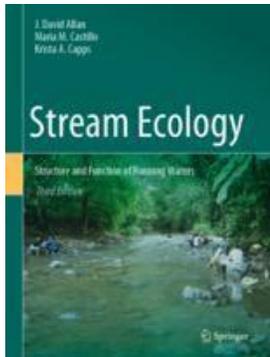
John Morse is an internationally renowned caddisfly systematist studying the identification, biology, and evolution of Trichoptera worldwide since 1967. He is a SFS Distinguished Service Awardee and a founder and Co-Chair of the SFS Taxonomic Certification Committee. He maintains the frequently cited Trichoptera World Checklist. He and his 42 former graduate students have investigated the identification, ecology, and distribution of other aquatic insects, also, and the use of insect communities to monitor water pollution. He has taught courses on these topics at Clemson University, at Highlands Biological Station (in NC), in several other states, and in 10 Asian countries for 46+ years.



A short documentary is in the works about the Highlands Field Station in NC where Dr John Morse has taught EPT taxonomy for 31 years. They intend to highlight the importance of taxonomy as taxonomists retire and are not being replaced. Read more about it [here](#).



[Restoration Blueprint | Florida Keys National Marine Sanctuary](#)



[Stream Ecology - Structure and Function of Running Waters | J. David Allan](#)



[Florida freshwater mussel gets protected habitat](#)

In Memorium - David Ernest Ruiter, Caddisfly Biologist (1948 – 2021)



Dave's decades of research on caddisflies are eclectic. They encompass biology, taxonomy, systematics, distribution and biogeography, environmental tolerance, DNA barcoding, and caddisfly community structure. Early on, his 1995, 200-page treatise on the adult taxonomy and systematics of *Limnephilus* of the New World brought needed clarity to this huge genus. Read more about Dave [here](#)



Membership

FAB membership is currently \$30 but will be increasing to \$35 in 2022. If you would like to become a member, click [here](#) to become a member today! Your membership is for one year: Jan 1–Dec 31 and are due in February 15th of each year. 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

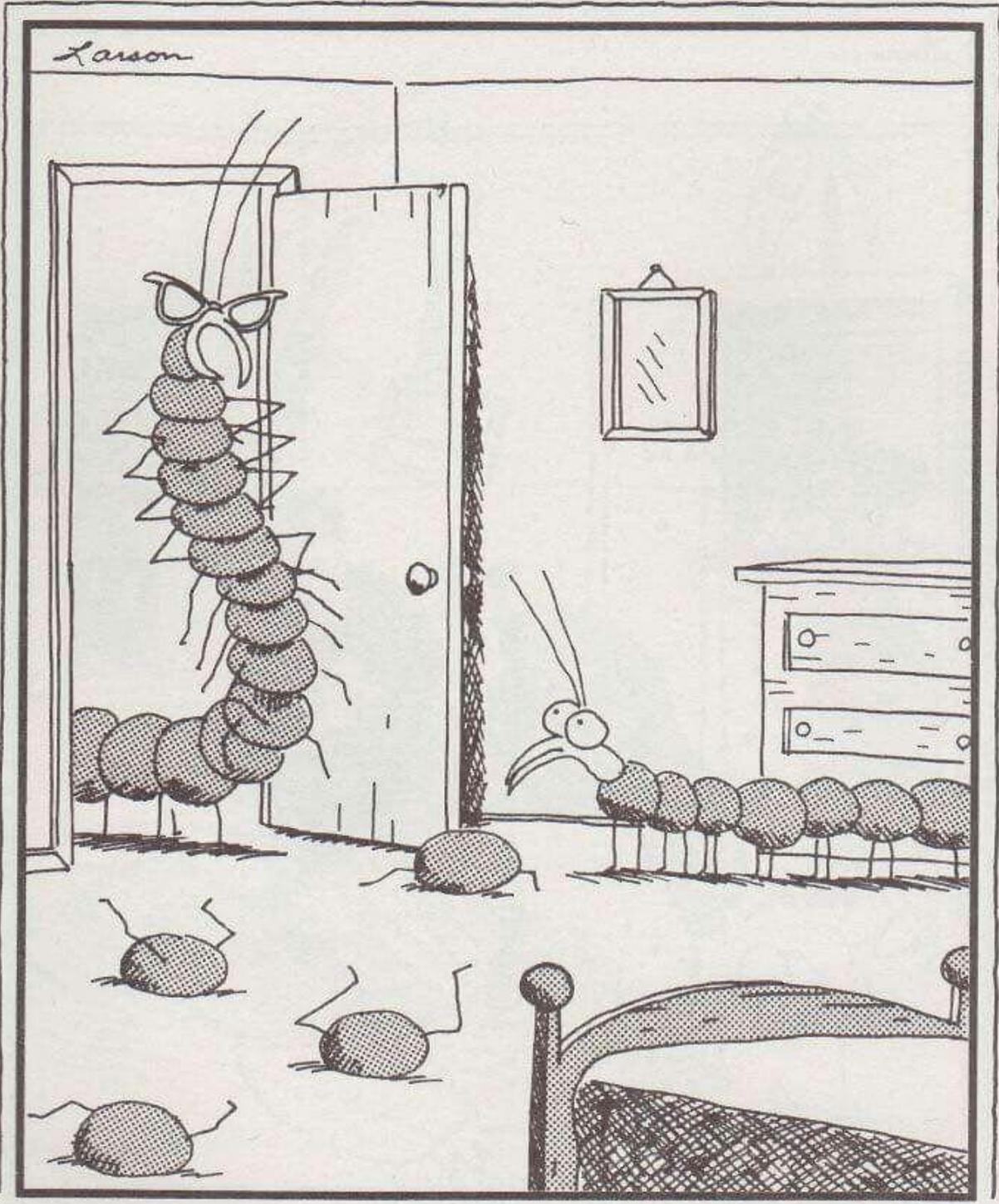
If you haven't paid your membership dues for 2021 yet, you can also add this item to your cart on our website to renew your membership for this year (at \$30). If you need to check on your membership status, please email Rob Mattson: rmattson@sjrwmd.com.



REMINDER!!

CURRENT MEMBERS ANNUAL DUES!

Click to renew: [Membership Fees Due in February!](#)



"Just look at this room—body segments everywhere!"