



#### 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 28, Issue 1

#### **IN THIS ISSUE**

Announcements – Part 1. 2020 Annual Meeting and Workshops

In Memoria – Gus Munech

Announcements – Part 2. Publications and News Articles

2020 Aquatic Biology Conferences of Interest

Literature

Membership



#### <u>ANNOUNCEMENTS – PART 1</u>

## 34th ANNUAL MEETING OF THE FLORIDA ASSOCATION OF AQUATIC BIOLOGISTS

May 6-7, 2020

The 34<sup>th</sup> Annual Meeting will be held in Cedar Key, directly following the Freshwater Workshop, at the Cedar Key Community Center.

Details regarding both the workshop and the Annual Meeting will be announced via email and on the FAB website when finalized.

#### **CALL FOR PRESENTATIONS**

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. Submit abstracts to <a href="mailto:president@floridaaquaticbiologists.org">president@floridaaquaticbiologists.org</a>.

#### \*\*STUDENTS\*\*



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



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



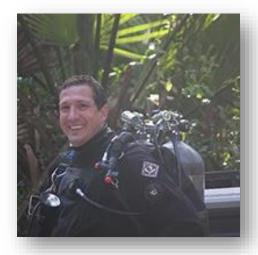
SCHOLARSHIPS FOR TRAVEL EXPENSE ASSISTANCE MAY BE AVAILABLE TO PARTICIPANTS.



#### **TAXONOMIC WORKSHOPS**

#### Freshwater Taxonomic Workshop Cave Biodiversity May 4-5, Cedar Key, Florida

Dr. Tom Sawicki from Florida A&M University will lead the workshop with a focus on freshwater amphipods. We are also planning a possible field trip to Manatee Springs for collection.



Dr. Sawicki is Director of the Groundwater Biodiversity Lab at FAMU. His research focus is on the taxonomy and population genetics of amphipod and isopod crustaceans in the Florida aquifer.





#### MARINE TAXONOMIC WORKSHOP

#### **Opisthobranch gastropods**

#### October 28-30 at the UT lab in Tampa, Florida

Dr. Michael Middlebrooks of the University of Tampa will be presenting opisthobranch gastropods, covering the sea slugs and related mollusks.



Dr. 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.



All members will receive an email from the FAB President with information about both workshops once the details have been finalized. Information will also be available on the FAB website.



#### In Memoria



A longtime blue crabber, Gus Muench was also a full-time environmental activist known for working with the state and county on regulations that would limit pollution in Tampa Bay and protect marine resources and the uplands along the bay. | Photo from Nanette O'Hara

#### **Gus Muench (1936 – 2019)**

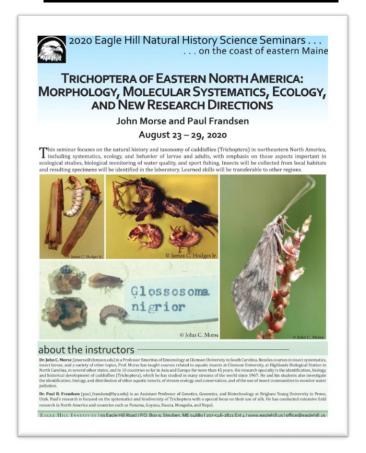
Many of you will remember Gus from the 2011 Fab Annual Meeting and Crab Taxonomic Workshop. Gus had been a commercial crabber for many years and in his "spare time" served on a long list of local environmental organizations and volunteered as a speaker, sharing his love for the bay's flora and fauna. with groups ranging from boaters to Boy Scouts. When Gus spoke at the FAB meeting, he owned "Captain Gus' Crabby Adventures", offering tourists a boat tour of the Little Manatee River area near Ruskin to pull, bait, and catch blue crabs. But Gus was better known among the local Tampa Bay environmental groups as a conservationist and activist. He is credited with helping launch Hillsborough County's Environmental Lands Acquisition and Protection Program (ELAPP) and the Cockroach Bay Users Group. He was President of the Little Manatee River Preservation Committee and was awarded the Chevron Conservation Award for his efforts to protect Cockroach Bay in 1990.

Click <u>here</u> and <u>here</u> to read more about the legacy that Gus Muench left behind. And <u>here</u> you can listen to an interview in which Gus discussed his childhood on the bay, his history as a crabber, and his "Crabby Adventures" business. He also described his role as a conservationist and his goals of restoring both the marine and plant environments of the bay. Gus detailed various issues affecting the bay, including the effects of dredging, sewage water, and stormwater runoff. He also talked about his artificial reef business, his role as Director of the South Shore Intertidal Habitat Project, and his land preservation goals for the Uzita Preserve.

Gus will be honored by the Hillsborough County Commissioners with his name on a trail at Cockroach Bay Preserve. The trail will include signage, an informational plaque, and native vegetation along the trail, which will lead to a pavilion atop Cockroach Bay Mound.



#### **ANNOUNCEMENTS – PART 2**



#### AUGUST 23-29: SEMINAR ON TRICHOPTERA OF EASTERN NORTH AMERICA

### Be on the lookout for a non-native estuarine mysid, *Deltamysis holmquistae*, from the Indian Ocean.



Redescription of Bowman & Orsi, 1992 (Crustacea: Mysida: Mysidae), a mysid species new to the Atlantic Ocean with observations on the taxonomic status of *Kochimysis* Panampunnayil & Biju, 2007.

MATTHEW J. SCRIPTER, W. WAYNE PRICE & RICHARD W. HEARD Contact Matthew Scripter at Ecological Associates, Inc, for a copy when it is published

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Mayfly numbers drop by half since 2012



State of the Science for HABs in Florida



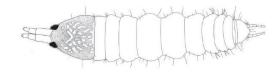
Florida Museum
Invertebrate zoology division to add new collections with NSF grant



Christopher Marley's mesmerizing insect mosaics



#### **Meetings of Interest to FAB Members**



- <u>SFS ASLO Joint Summer Meeting</u> June 19–23, 2020, Madison, WI
- 49th Annual Benthic Ecology Meeting April 7–11, 2020, Wilmington, NC
- Florida Association for Water Quality Control Annual Conference June 17–19, 2020, Naples, FL
- Florida Floodplain Managers Association April 7–10, 2020, Orlando, FL
- <u>Florida Section of the American Water Resources Association</u> November 9-12, 2020, Kissimmee, FL
- Florida Section American Water Resources Association Technical Meeting March 27, 2020 Tampa, FL
- <u>Crustacean Society/Society for International Crustacean Biology Annual Meeting</u> Jan 3–7, 2021, Washington, DC
- <u>International Conference on Oceanography and Marine Science</u> July 20–21, 2020, Montreal, Canada
- Florida Lake Management Society Annual Technical Symposium August 25–28, 2020, Bonita Springs, FL
- North American Lake Management Society (NALMS) November 16–20, 2020, Minneapolis, MN
- Entomological Society of America November 15–18, 2020, Orlando, FL
- Florida Academy of Science Annual Conference March 20, 2020, Daytona Beach, FL
- <u>Association of Southeastern Biologists Annual Meeting</u> March 25–28, 2020, Jacksonville, FL
- <u>UF Water Institute Symposium</u> February 25–26, 2020, Gainesville, FL
- Florida Artificial Reef Summit April 8–10, 2020, Melbourne, FL
- Florida Stormwater Association Annual Conference June 17–19, 2020, Ft. Myers, FL
- Southeastern Estuarine Research Society Spring 2020 Meeting March 19–21, Jekyll Island, GA
- The National Coastal and Estuarine Summit October 4–8, 2020, Providence, RI
- <u>International Conference on Marine Science and Aquaculture</u> March 13–14, 2020, Miami, FL
- National Association of Environmental Professionals May 18–22, Ft. Lauderdale, FL
- 2020 CHNEP Watershed Summit June 1–2, 2020, Ft. Myers, FL





#### LITERATURE

Hyperlinks provided when downloads are available for entire article or abstracts

Abarca-Ávila, M.M, M.T. Herrera-Dorantes, I. Winfield, P. Ardisson 2019. <u>Updated checklist and identification key of benthic tanaidaceans (Crustacea: Peracarida) of the sublittoral zone of the northern Yucatan Peninsula, Mexico.</u> Zootaxa 4711(1).

Angélica De Pádua Bueno, A., K.M. Oliveira, G. Wellborn 2019. <u>A new species of *Hyalella* Smith</u>, 1874 (Crustacea: Amphipoda: Hyalellidae) from Oklahoma, USA. Zootaxa 4700(2).

Bansal, S., S.C. Lishawa, S. Newman, B.A. Tangen, D. Wilcox 2019. <u>Typha (Cattail) invasion in North American wetlands: biology, regional problems, impacts, ecosystem services, and management</u>. Wetlands 39(4): 645–684

Beck, M.W., E.T. Sherwood, J.R. Henkel, K. Dorans, K. Ireland, P. Varela 2019. <u>Assessment of the cumulative effects of restoration activities on water quality in Tampa Bay, Florida</u>. Estuaries and Coasts 42: 1774–1791

Blake, J.A., H.K. Dean 2019. New species of Cirratulidae (Annelida, Polychaeta) from the Caribbean Sea. Zootaxa 4671(3)

Calder, D.R. 2019. On a collection of hydroids (Cnidaria, Hydrozoa) from the southwest coast of Florida, USA. Zootaxa 4689(1)

Cannizzaro, A.G., T.R. Sawicki 2019. Two new species of the genus *Crangonyx* Bate, 1859 (Amphipoda: Crangonyctidae) from the St. Marks River basin with notes on the "*Crangonyx floridanus* complex". Zootaxa 4691(4)

Cannizzaro, A.G., D. Balding, E.A. Lazo-Wasem, T.R. Sawicki 2019. Morphological and molecular analyses reveal a new species of stygobitic amphipod in the genus *Crangonyx* (Crustacea: Crangonyctidae) from Jackson County, Florida, with a redescription of *Crangonyx floridanus* and notes on its taxonomy and biogeography. Journal of Natural History 53(7–8): 425–473

Castillo Sánchez, K,N., Y.P.E. Aguirre, T.A. Ríos González, J.A. Bernal Vega 2019. <u>The Plecoptera of Panama. IV. Description of the last nymphal instar for two species of Anacroneuria Klapálek (Plecoptera: Perlidae) from the Caldera River, Chiriquí, Panamá.</u> Zootaxa 4711(3)

Cheney, K.N., A.H. Roy, R.F. Smith, R.E. Dewalt 2019. <u>Effects of stream temperature and substrate type on emergence patterns of Plecoptera and Trichoptera from northeastern United States headwater streams</u>. Environmental Entomology 48(6): 1349–1359

Cogo, G.B., J. Martínez, S. Santos, and M.A.S. Graça 2020. <u>Caddisflies growth and size along an elevation/temperature gradient</u>. Hydrobiologia 7(1): 207–216



Copeland, J., S. Kunigelis, J. Tussing, T. Jett, C. Rich 2019. <u>Freshwater sponges (Porifera: Spongillida) of Tennessee</u>. The American Midland Naturalist 181(2): 310–326

Couto, D.R., R.L. Luiz, R. Simone 2019. <u>A morphology-based phylogenetic analysis of Fasciolariidae (Gastropoda: Buccinoidea)</u>, Zootaxa 4684(1)

Dorff, N.C., D.S. Finn 2020. <u>Hyporheic secondary production and life history of a common Ozark stonefly</u>. Hydrobiologia 847(2): 443–456

Drumm, D.T., J Knight-Gray 2019. A new species of the *Hyalella 'azteca'* complex (Crustacea: Amphipoda: Hyalellidae) from Florida.. Zootaxa 4545(1)

Epler, J.H. 2020. <u>A new species of *Uvarus* Guignot, 1939 (Coleoptera: Dytiscidae: Hydroporinae: Bidessini) from Florida, USA.</u> Insecta Mundi 0752: 1–4

Everall, N.C., M.F. Johnson, P. Wood, M.F. Paisley, A. Farmer 2019. <u>Macroinvertebrate</u> <u>community structure as an indicator of phosphorus enrichment in rivers</u>. Ecological Indicators 107(105619)

Felder, D.L., R. Robles 2020. <u>A new mud shrimp of the genus *Pugnatrypaea* from outer continental shelf waters of the northern Gulf of Mexico, commonly associated with hydrocarbon seeps (Crustacea: Decapoda: Callianassidae). Zootaxa 4732(4)</u>

Felder, D.L., R. Lemaitre, C. Craig 2018. <u>Two new species of the *Phimochirus holthuisi* complex from the Gulf of Mexico, supported by morphology, color, and genetics (Crustacea: Anomura: Paguridae)</u>. Zootaxa 4683(4): 531–551

Frank, T.M., C.D. Fine, E.A. Burdett, A.B. Cook, T.T. Sutton 2010. <u>The vertical and horizontal distribution of deep-sea crustaceans in the order Euphausiacea in the vicinity of the DeepWater Horizon oil spill</u>. Frontiers in Marine Science 7(99)

Gál, Blanka, András Weiperth, János Farkas & Dénes Schmera, 2020. <u>The effects of road crossings on stream macro-invertebrate diversity</u>. Biodiversity and Conservation, Volume 29, Issue 3, pp 729–745

Gladstone, N.S., K.E. Perez, E.B. Pieper, E.T. Carter, K.E. Dooley, N.F. Shoobs, A.S. Engel, M.L. Niemiller 2019. <u>A new species of stygobitic snail in the genus *Antrorbis* Hershler & Thompson, 1990 (Gastropoda, Cochliopidae) from the Appalachian Valley and Ridge of eastern Tennessee, USA</u>. ZooKeys 898: 103–120

Glon, M.G., B.W. Williams, Z.J. Loughman 2019. <u>Lacunicambarus dalyae</u>: a new species of <u>burrowing crayfish (Decapoda: Cambaridae) from the southeastern United States</u>. Zootaxa 4683(3)

Goertzen, D., F. Suhling 2018. <u>Urbanization versus other land use: Diverging effects on dragonfly communities in Germany</u>. Diversity and Distributions 25(1): 38-47



Goto, R., J. Monnington, M. Sciberras, I. Hirabayashi, G.W. Rouse 2020. <u>Phylogeny of Echiura updated</u>, with a revised taxonomy to reflect their placement in Annelida as sister group to <u>Capitellidae</u>. Invertebrate Systematics 34: 101–111

Grubbs, S.A., B.C. Kondratieff, R.W. Baumann 2019. <u>A surprising rediscovery and description of a new species of *Soyedina* Ricker, 1952 (Plecoptera: Nemouridae) from Great Smoky <u>Mountains National Park, USA</u>. Journal of Insect Biodiversity 13(1)</u>

Imada, Y 2020. A novel leaf-rolling chironomid, *Eukiefferiella endobryonia* sp. nov. (Diptera, Chironomidae, Orthocladiinae), highlights the diversity of underwater chironomid tube structures. ZooKeys 906: 73–111

Jourdan, J., M. Plath, J.D. Tonkin, M. Ceylan, A.C. Dumeier, G. Gellert, W. Graf, C.P. Hawkins, E. Kiel, A.W. Lorenz, C.D. Matthaei, P.F.M. Verdonschot, R.C.M. Verdonschot P. Haase 2019. Reintroduction of freshwater macroinvertebrates: challenges and opportunities. Biological Reviews 94(2): 368–387

Keller, O., K.E. Schnepp, K.L. Ashman, R.H. Turnbow, P.E. Skelley 2020. <u>An annotated catalog of the type material of Adephaga and Myxophaga (Coleoptera) deposited in the Florida State Collection of Arthropods in Gainesville, Florida, United States of America.</u> Zootaxa 4744(1)

Krynak, E.M., A.G. Yates 2020. <u>Intensive agriculture alters the biomass size spectrum and bodymass of benthic insects: evidence from a reciprocal transfer experiment</u>. Hydrobiologia 847: 1221–1235

La Peyre, M.K., D.A. Marshall, L.S. Miller, A.T. Humphries 2019. <u>Oyster reefs in northern Gulf of Mexico estuaries harbor diverse fish and decapod crustacean assemblages: A meta-synthesis.</u> Frontiers in Marine Science 6(666)

Lemaitre, R. 2020. New and rare micro-pagurid hermit crabs (Crustacea: Anomura: Paguridae) from the Caribbean Sea and Gulf of Mexico. Zootaxa Vol 4722(4)

Lowry, J.K., A.A. Myers 2019. *Talitrus saltator* (Montagu, 1808), a species complex (Amphipoda, Senticaudata, Talitroidea, Talitroidea, Talitroidea). Zootaxa 4664(4)

Maasri, A., A.E. Schechner, B. Erdenee, W.K. Dodds, S.Chandra, J.K. Gelhaus, J.H. Thorp 2019. <u>Does diel variation in oxygen influence taxonomic and functional diversity of stream macroinvertebrates?</u> Freshwater Science 38(4)

Massario, F.C., D.M. Takiya, F.F. Salles 2019. <u>Global classification and evolution of brushlegged mayflies (Insecta: Ephemeroptera: Oligoneuriidae): phylogenetic analyses of morphological and molecular data and dated historical biogeography.</u> Zoological Journal of the Linnean Society 187(2): 378–412



Molineri, C., E.G. Tejerina, S.E. Torrejón, E.J.I. Pero, G.E. Hankel 2020. <u>Indicative value of different taxonomic levels of Chironomidae for assessing the water quality</u>. Ecological Indicators 108(105703)

Oliveira-Junior, J.M.B., L Juen 2019. <u>The Zygoptera/Anisoptera ratio (Insecta: Odonata): A new tool for habitat alterations assessment in Amazonian streams</u>. Neotropical Entomology 48: 552–560

Perron, M.A.C., F.R. Pick 2020. <u>Stormwater ponds as habitat for Odonata in urban areas: the importance of obligate wetland plant species</u>. Biodiversity and Conservation 29(3): 913–931

Price, W.W., R.W. Heard R. Vargus 2019. <u>Mysidopsis gemina n. sp. (Crustacea: Mysida: Mysidae)</u> from the northern Pacific coast of Costa Rica. Nauplius 27(e2019016)

Raguso, R.A. 2020. <u>Don't forget the flies: dipteran diversity and its consequences for floral ecology and evolution</u>. Applied Entomology and Zoology 55(1): 1–7

Reid, A.J., A.K. Carlson, I.F. Creed, E.J. Eliason, P.A. Gell, P.T.J. Johnson, K.A. Kidd, T.J. MacCormack, J.D. Olden, S.J. Ormerod, J.P. Smol, W.W. Taylor, K. Tockner, J.C. Vermaire, D. Dudgeon, S.J. Cooke 2019. Emerging threats and persistent conservation challenges for freshwater biodiversity. Biological Reviews 94(3): 849–873

Reis, A., M. Krull, L.R.S. Carvalho, F. Barros 2020. <u>Effects of tropical saltmarsh patches on the structure of benthic macrofaunal assemblages</u>. Wetlands 399(5): 945–954

Reynolds, J.W. 2020. <u>Rare earthworms (Annelida: Oligochaeta) in the continental United States.</u> Megadrilogica 25(5): 61–88.

Rocha-Ortega, M., P. Rodríguez, A. Córdoba-Aguilar 2019. <u>Can dragonfly and damselfly communities be used as bioindicators of land use intensification?</u> Ecological Indicators 107(105553)

Rosenberg, M.S. 2019. A fresh look at the biodiversity lexicon for fiddler crabs (Decapoda: Brachyura: Ocypodidae). Part 1: Taxonomy. Journal of Crustacean Biology 39(6): 729–738

Sawyer, R.T. 2019. <u>Description of the Southern swamp leech Philobdella floridana (Verrill, 1874)</u> (<u>Annelida: Hirudinea</u>) from the Outer Banks, North Carolina, USA, with a revision of the species. Zootaxa 4544(2)

Schrandt, M.N., T.C. MacDonald 2020. <u>Long-term stability of the faunal community of a subtropical estuary: Evaluating disturbances in the context of interannual variability</u>. Estuaries and Coasts 43(2): 347–359 (editors' note: Tampa Bay)

Scripter, M.J., W.W. Price, R.W. Heard 2020. <u>Redescription of *Deltamysis holmquistae*</u> Bowman & Orsi, 1992 (Crustacea: Mysida: Mysidae), a mysid species new to the Atlantic Ocean



ith observations on the taxonomic status of *Kochimysis* Panampunnayil & Biju, 2007. Zootaxa 4729(4)

Stepanian P.M., S.A. Entrekin, C.E. Wainwright, D. Mirkovic, J.L. Tank, J.F. Kelly 2020. 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

Theodoropoulos, C., I. Karaouzas, A. Vourka, N. Skoulikidis 2020. <u>ELF – A benthic</u> macroinvertebrate multi-metric index for the assessment and classification of hydrological <u>alteration in rivers</u>. Ecological Indicators 108(105713)

Valan, M., K. Makonyi, A. Maki, D. Vondrácek, F. Ronquist 2019. <u>Automated taxonomic identification of insects with expert-level accuracy using Effective Feature Transfer from Convolutional Networks</u>. Systematic Biology 68(6): 876–895

Vera-Caripe, J.A., C.F.L Gómez, G.C. Tucker, A.I. Agudo-Padrón 2019. New records of the shrimp *Periclimenes crinoidalis* Chace, 1969 (Decapoda: Palaemonidae) and its crinoid host *Nemaster grandis* A.H. Clark, 1909 (Echinodermata: Crinoidea) in the Caribbean Sea. Nauplius 27(e2019005)

Vorster, C., M.J. Samways, J.P. Simaika, J. Kipping, K.D.B. Dijkstra 2020. <u>Development of a new continental-scale index for freshwater assessment based on dragonfly assemblages</u>. Ecological Indicators 109(105819)

Watson, C.; E. Tilic, G.W. Rouse 2019. <u>Revision of Hyalopale (Chrysopetalidae; Phyllodocida; Annelida): an amphi-Atlantic Hyalopale bispinosa</u> species complex and five new species from reefs of the Caribbean Sea and Indo-Pacific Oceans. Zootaxa 4671(3)

White, K.N. 2019. <u>Simplification of a species complex: Two new species of Leucothoidae</u> (Crustacea: Amphipoda) previously attributed to *Leucothoe spinicarpa* (Abildgaard, 1789) in <u>Florida, U.S.A.</u> Journal of Crustacean Biology 39(6): 739–747

Windsor, A.M., J.C.E. Mendoza, J.R. Deeds 2019. <u>Resolution of the *Portunus gladiator* species complex: taxonomic status and identity of *Monomia gladiator* (Fabricius, 1798) and *Monomia haanii* (Stimpson, 1858) (Brachyura, Decapoda, Portunidae). Zookeys 858: 11–43</u>

Woolley, S.N.C., S.D. Foster, N.J. Bax, J.C. Currie, D.C. Dunn, C. Hansen, N. Hill, T.D. O'Hara, O. Ovaskainen, R. Sayre, J.P. Vanhatalo, P.K. Dunstan 2020. <u>Bioregions in marine environments: Combining biological and environmental data for management and scientific understanding</u>. BioScience 70(1): 48–59



#### Zoosymposia

Many of the papers are open access

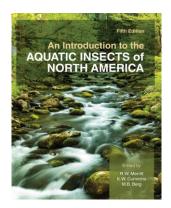
<u>Proceedings of the 14th International Symposium on Aquatic Oligochaeta</u>. 2020. Zoosymposia Vol 17

Proceedings of the 16th International Echinoderm Conference, 2019. Zoosymposia Vol 16

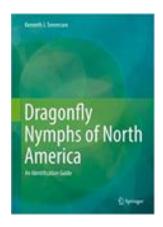
<u>Proceedings of the Joint Meeting of the XV International Conference on Ephemeroptera and XIX International Symposium on Plecoptera, 2019. Zoosymposia Vol 15</u>

Proceedings of the 15th International Symposium on Trichoptera, 2019. Zoosymposia Vol 14

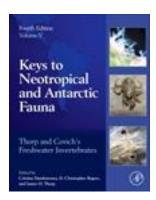
Beyond pests: Biodiversity in the urban environment International Congress of Entomology, 2019. Zoosymposia Vol 12



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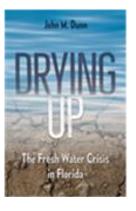


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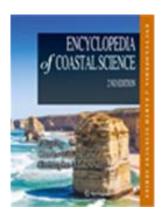




Megataxa Volume 1, No 1
The future of taxonomy.
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John Dunn untangles the many causes of the state's freshwater problems



Encyclopedia of Coastal Science 2019 Edition



Velcro, bungee jumping, airconditioning, and chemical warfare are a few of the firsts\_in this book authored by two professional entomologists



## Executive Committee Meeting of the Florida Association of Aquatic Biologists 33<sup>nd</sup> Annual Meeting Apalachicola National Estuarine Research Reserve

#### Apalachicola National Estuarine Research Reserve Eastpoint, Florida

May 28, 2019

Doug Strom: Consultant Representative and EC Chair; Dana Denson: Acting President; Rob Mattson, Treasurer; Peggy Morgan: Secretary, Newsletter Editor, Literature Review Committee Chair; Jennifer Davenport (via phone): Endowment Committee Chair, Internet Committee Chair; Dr. Wayne Price: University Representative; Julianne Knight-Gray (via phone): Awards Committee Chair, Membership Committee; Shannon McMorrow: In-coming President; Andy Rasmussen, Member At Large; Alex Orfinger, Student Representative

**Call to Order**: Doug Strom. The meeting was called to order at 0830. Nine members establish a quorum.

**Approval of the Minutes:** Minutes of the last annual meeting have been pre-approved via email.

#### **Committees Reports:**

<u>Awards</u>: Julianne Knight-Gray. There are currently no nominees for the present meeting. Please send suggestions to the Awards Committee to Julianne or Rob for the two FAB awards:

- Contributions to Florida Aquatic Biology
- Contributions to FAB

<u>Bylaws</u>: Marc Minno is not present. Doug Strom reported all changes to the constitution regarding the FAB name change were completed in 2018 and there are no further changes at this time.

<u>Editorial</u>: Peggy Morgan. Next newsletter this summer prior to the workshops. Please send literature, news items and other announcements to Peggy. <u>mmorgan@pinellascounty.org</u>

<u>Finance and Endowment Fund</u>. Rob Mattson. Rob distributed the endowment report prepared by Jennifer Davenport, which shows a value of around \$36,000 as of the end of March 2019. He also distributed the Treasurer's Report which details financial information through December 31, 2018, although it does not include the proceeds from the fall workshop. Current balance is \$10, 956.13 as mid-May 2019.

There was a fee when we transferred the endowment to Nordmann Wealth Management.

<u>Internet</u>: Jennifer Davenport. The new website is up and running and continues to be updated. Please let Jennifer know if you have any problems with it. Job postings and old newsletters have been posted. Registration can now be paid online using a credit card. Jennifer plans to work on adding Executive Committee information and historical information in the coming year. Dana will be uploading more photos to the Shutterfly gallery. If you have verified photographs, please send them to Dana.

<u>Membership</u>: Jennifer Davenport: Carrie is working on a beta version for a membership database. She had a baby last year and that understandably slowed her progress. Jennifer will be



getting an update from her. Rob reports that as he gets new members, he is entering them in a spreadsheet, but has not entered them into the old Access database. We will either use the old database, or the new one that Carrie is developing.

<u>Nominating</u>: Rob Mattson: No report. This year is an off year, so officer nominations are not needed.

<u>Workshops</u>: Dana Denson. Taxonomy and Ecology of North American Dragonfly Nymphs, August 14- 16 at the UF Department of Entomology and Nematology in Gainesville. Dana and Shannon will be preparing the Workshop announcement for the website and Facebook, as well as other means of advertisement. Dave Karlen is currently working on the fall Marine Workshop. There was discussion on the need for an EC meeting at the Marine Workshop. It is not required.

Registered Agent: David Evans not present.

<u>Unfinished Business/New Business</u>: The Vision Committee was formed in 2017 to address the future of FAB. The major goals of the Visioning Committee have been achieved: Changing the name of FAB from Florida Association of Benthologists to Florida Association of Aquatic Biologists, changing administration of the website, updating the website, more regular activity on the FAB Facebook page. Still pending is the consolidation of one of the workshops with the Annual Meeting. Reconvening of the Vision Committee was discussed. Julianne will contact the members and set up another meeting if there is a need. The President has the prerogative to schedule the timings of the meetings and workshops during their tenure. Shannon has no firm plans but is considering the usual schedule with the Annual Meeting in Cedar Key. There was discussion on getting more university involvement and more student involvement in FAB. Alex Orfinger offered to present FAB at University of Florida Graduate Student Council, as well as disseminate information to various graduate student groups and young professionals throughout Florida.

Until the Vision Committee presents a definite proposal, FAB will continue having the Spring Workshop in the spring and the Marine Workshop and Annual Meeting in the fall.

There was discussion about expanding the address list for the email blasts. The list is not restricted to members.

We have endowment money available for student travel, but no one applied this year. There was discussion about promoting this opportunity for students in future.

There was discussion about outreach to other organizations to promote involvement in FAB. Now that we have expanded into more general aquatic biology, there is ample opportunity for including more areas of academic and applied aquatic biology. It was suggested that we reach out to organizations and colleges in the communities where we are holding future meetings.

Adjourn: Doug Strom, 1037

Submitted by Peggy Morgan, FAB Secretary, June 28, 2019



# Executive Committee Meeting of the Florida Association of Aquatic Biologists 2019 Freshwater Taxonomic Workshop UF Department of Entomology and Nematology Gainesville, Florida

August 14, 2019

Doug Strom: Consultant Representative and EC Chair; Dana Denson: Acting President; Rob Mattson, Treasurer; Peggy Morgan: Secretary, Newsletter Editor and Literature Review Committee Chair; Jennifer Davenport: Endowment Committee Chair and Acting Internet Committee Chair; Dr. Wayne Price: University Representative; Julianne Knight-Gray (via phone): Awards Committee Chair and Membership Committee; Shannon McMorrow: President-Elect; Alex Orfinger, Student Representative

**Call to Order**: Doug Strom called the meeting to order at 1044. Nine members established a quorum. Doug distributed copies of the current FAB Constitution and Executive Committee List.

**Approval of the Minutes:** Minutes of the last annual meeting have been pre-approved via email.

#### **Committees Reports:**

<u>Treasurer (Finance and Endowment Fund Committee)</u>. Rob Mattson presented the current financial reports:

• Checking account: \$11,732.02

• Endowment: \$37,594.47 (end of Quarter 2 statement)

The EC Committee List will be updated to designate Rob as Chair of Finance and Endowment Fund Committee. Jennifer Bernatis is still named on the checking account and has a debit card. Her name needs to be removed. Jennifer Davenport will be the second signatory with access to the checking account and debit card

<u>Awards</u>: Julianne Knight-Gray. There are currently no nominees for the present meeting. Please send suggestions to the Awards Committee to Julianne or Rob for the two FAB awards:

- Contributions to Florida Aquatic Biology
- Contributions to FAB

<u>Bylaws</u>: Marc Minno was not present. Doug Strom reported all changes to the constitution regarding the FAB name change were completed in 2018 and there are no further changes at this time.

<u>Internet</u>: Jennifer Davenport. Jennifer reported that there were some issues with online registration payments, but they were easily rectified. There was a brief discussion about possibly getting a portable card reader so people could pay registration by charge card at the meeting, but it was determined not to be necessary. Dana is ready to upload invertebrate photos. If you have verified photographs, please send them to Dana.

<u>Membership</u>: Jennifer Davenport: No updates yet. Jennifer will be contacting Carrie Scarola regarding the status of her database research and development.



<u>Nominating</u>: Rob Mattson: Shannon assumes the Presidency on January 1. Rob will be staying on as Treasurer, and Peggy as Secretary. This leaves President-Elect. Rob is working on it.

<u>Workshops</u>: Dana Denson. The Fall Taxonomic Workshop will be on Marine Gastropods, presented by Jose H. Leal, PhD. It will be held at the University of Tampa Marine Science Field Station, Tampa, FL.

Registered Agent: David Evans not present.

<u>Unfinished Business/New Business</u>: Vision Committee. Julianne will reach out to original members of the Committee to discuss new business; namely the structure and schedule of the Annual Meeting and Workshops. As reported in the previous minutes, the Vision Committee was formed in 2017 to address the future of FAB. The major goals of the Visioning Committee have been achieved: Changing the name of FAB from Florida Association of Benthologists to Florida Association of Aquatic Biologists, changing administration of the website, updating the website, and generating more activity on the FAB Facebook page.

In the meantime, it is Shannon, as new President, who will determine where the 2020 Annual Meeting and Workshops will be held. She is considering combining the Annual Meeting with the Freshwater Workshop in Cedar Key in the Spring. Leeches were suggested as a potential topic.

The question arose as to whether or not it is still a necessity to announce all our meetings in newspapers. It was speculated that in the age of internet and social media, it would no long be required. Doug will ask David Evans (FAB's Registered Agent) to look into the meeting notification requirement from the state corporate filing perspective

There was discussion about outreach to other organizations to promote involvement in FAB. It was suggested that we make contact with the Florida Academy of Science (FAS), particularly as exhibitors at their meetings (lots of students attend FAS), and other taxonomic organizations such as Southern California Association of Marine Invertebrate Taxonomists (SCAMIT) and Southwest Association of Freshwater Invertebrate Taxonomists (SAFIT) that might be interested in our taxonomic workshops.

Adjourn: Dana Denson, 1150. Seconded by Rob Mattson Submitted by Peggy Morgan, FAB Secretary, 09/12/2019





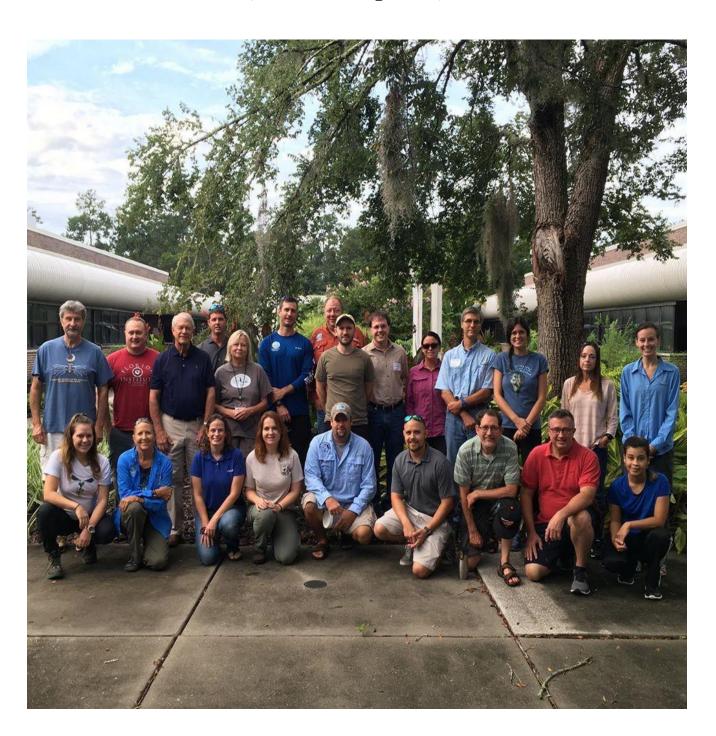
#### GROUP PHOTO, 2019 ANNUAL MEETING, Apalachicola National Estuarine Research Reserve Eastpoint, Florida - May 2019





## GROUP PHOTO, 2019 FRESHWATER TAXONOMIC WORKSHOP

**UF Department of Entomology and Nematology Gainesville, Florida - August 14, 2019** 





#### 2019 MARINE TAXONOMIC WORKSHOP



Dr Jose Leal, Dr. Mike Middlebrook, Dr. Paul Larsen and Haley Holloway examine shipworm burrows





#### **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 15<sup>th</sup> 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

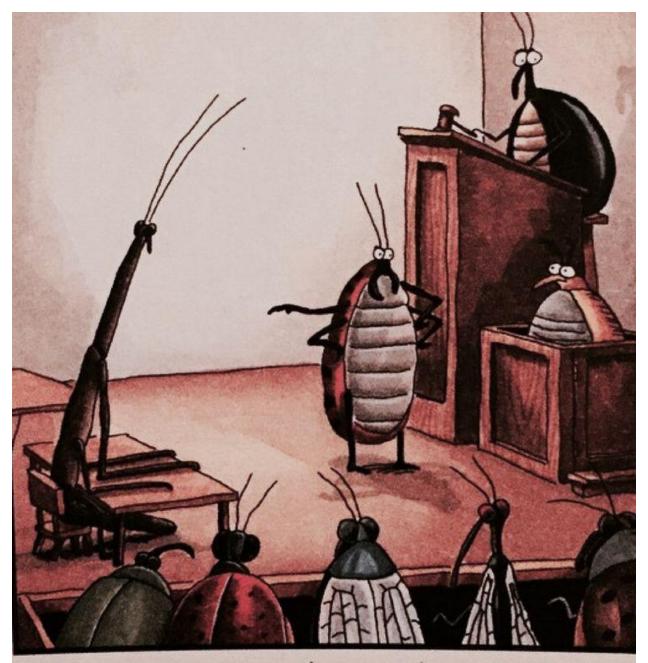


#### **REMINDER!!**

**CURRENT MEMBERS ANNUAL DUES!** 

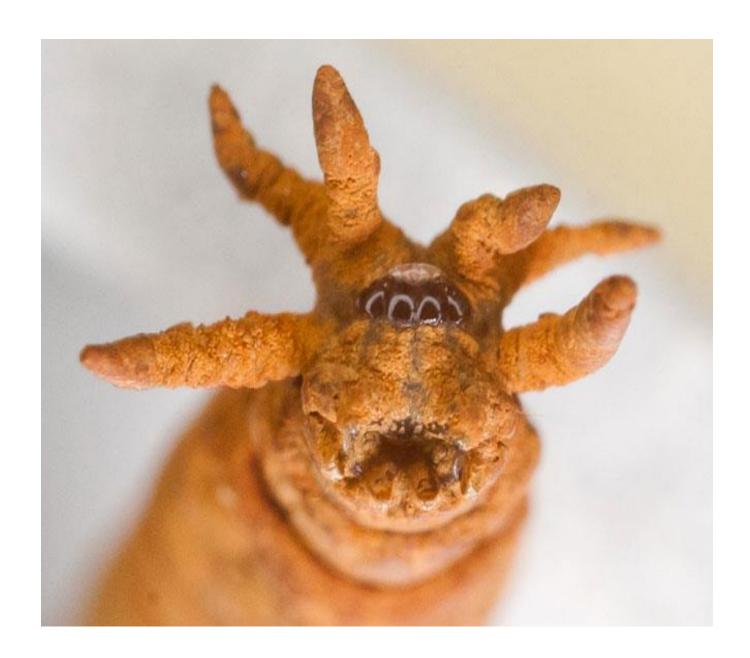
Click to renew: Membersip Fees Due in February!





"Most interesting, ma'am—you've identified the defendant as the one you saw running from the scene. I take it, then, that you're unaware that my client is a walking stick?"





## The End