



**FAB Mission:**

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

**Volume 31, Issue 2**

Peggy Morgan, Editor  
Pinellas County Natural Resources  
22211 US19 N  
Clearwater, FL 33765  
[pegrat307@msn.com](mailto:pegrat307@msn.com)

Julianne Knight-Gray, Assistant Editor  
Florida Fish & Wildlife  
100 8<sup>th</sup> Ave SE  
St. Petersburg, FL 33572  
[Julianne.Knight@MyFWC.com](mailto:Julianne.Knight@MyFWC.com)

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## **Announcements – Part 1**

# **37th Annual Meeting of the Florida Association of Aquatic Biologists**

**November 6 - 7, 2023**

Weedon Island Preserve Cultural and Natural History Center, St. Petersburg, FL

**Please note that the 2023 FAB Taxonomic Workshop will be held immediately after the Annual Meeting at the University of Tampa Marine Field Station, Bayside Marina, 5228 W Tyson Ave, Tampa, FL 33611**

### **Call for Presentations**

We are excited to announce that the 37th Annual Meeting of the Florida Association of Aquatic Biologists will be held in-person at the Weedon Island Preserve Cultural and Natural History Center, 1800 Weedon Dr NE, St. Petersburg, FL 33702

### **Oral Papers and Posters**

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 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. Annual meeting information is on the FAB website at: [Registration & Membership Form](#)

Please submit abstracts for oral and poster presentations by October 9, 2023. Abstracts for papers and posters should be submitted digitally (in Microsoft WORD format) via email to Scott Duncan at [president@floridaaquaticbiologists.org](mailto:president@floridaaquaticbiologists.org).



### **Abstract format:**

- Title
- Author(s): If more than one author, indicate presenting author with an asterisk (\*)
- Affiliation(s)
- Body of abstract: no more than one printed page in length, Calibri (body), 11-point font

### **Student Awards**

FAB provides a relaxed, yet professional, opportunity for students to acquire presentation experience and expand their resumes. To be considered for a student presentation award, please submit your abstract to Scott Duncan ([president@floridaaquaticbiologists.org](mailto: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:

Registration fees will be waived for all student presenters.

### **Awards**

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

### **Registration**

You must register to attend the Annual Meeting and [online registration is preferred](#). Registration fees are \$70.00 for current FAB members, \$125.00 for non-members, and \$45.00 for students. Student presenters' registration fee will be waived, but please fill out and submit the registration form on our website so that we have your contact information. We will again be offering a virtual option for the Annual Meeting which will need to be designated during registration. You can pay with a credit card on our website or 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.

If you have not paid your membership dues for 2023, you may add membership dues to your cart at the time of checkout. If you need to check on your membership status, please email Rob Mattson: [yelpmark@att.net](mailto:yelpmark@att.net)



## Executive Committee and Business Meetings

The FAB Executive Committee will meet on Monday, November 6 from 4:30-5:30 PM, Location TBD.

The Annual Business Meeting of the Association will be held on Tuesday, November 7. This meeting is important for FAB as an organization and your participation is highly recommended and encouraged.

### Accommodations

A block of rooms is reserved at [La Quinta Inn & Suites](#) located at 4620 W Gandy Blvd, Tampa, FL, 33611, from Sunday, November 5<sup>th</sup> through Thursday Nov. 9<sup>th</sup> (check out date: November 10) for \$109/night + tax. Please make reservations by **October 20th** to apply the group rate. **Please mention that you are with the Florida Association of Aquatic Biologists and the group rate is under EPCHC block rooms.** The phone number for reservations is: (813) 835-6262.

There are several other hotels in the area as well. It is recommended that if you are attending from out of town that you stay in Tampa Sunday evening as the Annual Meeting will start promptly at 8:30 Monday morning.

Questions???

Please contact: Scott Duncan, President Florida Association of Aquatic Biologists at [president@floridaaquaticbiologists.org](mailto:president@floridaaquaticbiologists.org) or [sduncan@rcid.org](mailto:sduncan@rcid.org)

## 2023 FAB Marine Taxonomic Workshop Mollusca part III: Bivalves

**November 8 - 10, 2023**  
University of Tampa Marine Field Station  
Tampa, Florida

### Agenda

We are pleased to announce that Dr. Jose Leal will be leading the third part of our Mollusca workshops on marine Bivalvia. The workshop will begin at 8:00 AM, Wednesday, November 8 and proceed through 12:00 PM Friday, November 10. It will include lectures by Dr. Leal, taxonomic lab sessions and a sampling field trip. Please visit the [FAB website](#) for more details.



### What to bring to the workshop:

- Recommend bringing your own microscopes (dissecting and compound). Please share if you can.
- Taxonomic references and dissection tools.
- Field clothes and gear for Thursday field trip.

### Accommodations

A block of rooms is reserved at the [La Quinta Inn & Suites](#) located at 4620 W. Gandy Blvd, Tampa, FL, 33611, from Sunday November 5 through Thursday Nov. 9th (check out date: November 10) for \$109/night + tax. Please make reservations by **October 20th** to get the group rate. **Please mention that you are with the Florida Association of Aquatic Biologists and the group rate is under EPCHC block rooms.** The phone number for reservations is: (813) 835-6262. Please make reservations by **October 20th** to apply the group rate. There are several other hotels in the area as well.

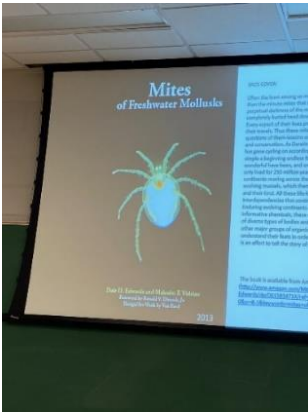
Questions???

Please contact: Dave Karlen, FAB Workshop Coordinator at [karlen@epchc.org](mailto:karlen@epchc.org)



# 2023 FAB FRESHWATER WORKSHOP RECAP

The 2023 Florida Association of Aquatic Biologists Spring Taxonomic Workshop was held on May 10-12 at the UF Department of Entomology and Nematology in Gainesville. It was led by Dr. Ray Fisher, an entomologist at the Mississippi Entomological Museum, based in Fayetteville, Arkansas. The workshop focused on the biology and taxonomy of aquatic Water Mites of Florida and North America.



## CONFERENCES AND MEETINGS OF INTEREST

- [Society for Freshwater Science \(SFS\)](#) Philadelphia, PA, June 2-6, 2024
- [North American Lake Management Society \(NALMS\)](#) Erie, PA, October 22-26, 2023
- [Florida Lake Management Society \(FLMS\)](#) Hawks Cay Resort, Duck Key, FL, August 29 to September 1, 2023
- [Coastal & Estuarine Research Federation \(CERF\)](#) Portland, OR, November 12-16, 2023
- [International Conference on Coastal Oceanography and Marine Science](#) Houston, TX, October 25-26, 2024
- [International Conference on Limnology and Aquatic Ecology](#) San Francisco, CA, September 25-26, 2023
- [International Conference on Insect Ecology and Biology](#) San Francisco, CA, September 25-26, 2023
- [American Society of Limnology and Oceanography Ocean Sciences Meeting](#) New Orleans, LA, February 18-23, 2024
- [American Society of Limnology and Oceanography ASLO 2024 Summer Meeting](#) Madison, WI, June 2-7, 2024
- [International Conference on Limnology and Aquatic Ecology](#) Miami, FL, March 11-12, 2024
- [International Conference on Ecosystems and Biodiversity](#) Miami, FL, March 11-12, 2024

**For an extensive list of related conferences, click:**

[Ecology Conferences in USA 2023/2024/2025 \(conferenceindex.org\)](#)

[Marine Science Conferences 2023/2024/2025 \(conferenceindex.org\)](#)

## Literature

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- Anderson, G. 2023. [Tanaidacea - Recent Scholarship \(2000-present\)](#)
- Anderson, G. 2020. [Tanaidacea Forty Years of Scholarship](#) (Vers. 3.0, January 2020), <http://aquila.usm.edu/tanaids30/5/>
- Anja, E., K.A. Hadfield, P.C. Sikkel, and N. Smit. 2023. [Jimmybuffetti Sp. Nov. \(Crustacea, Isopoda, Gnathiidae\): the First New Gnathiid in 100 Years from the Floridian Ecoregion](#). *Bulletin of Marine Science* 99(3): 353-375
- Anker, A. 2023. [Description of a new genus and new species of deep-water stenopodid shrimp from the western Atlantic, with remarks on \*Odontozona\* Holthuis, 1946 and \*Richardina\* A. Milne-Edwards, 1881 \(Decapoda: Stenopodidea\)](#). *Zootaxa* 5263 (1): 093-106



- Anker, A. and J.W. Goy. 2023. [A distinctive new species of the coral shrimp genus \*Microprosthema\* Stimpson, 1860 from the Atlantic coast of Florida and Honduras \(Decapoda: Stenopodidea: Spongicolidae\).](#) *Zootaxa* 5297(3): 406-416
- Blake, J.A. and N.J. Maciolek. 2023. [New species and records of \*Heterospio\* \(Annelida, Longosomatidae\) from continental shelf, slope and abyssal depths of the Atlantic Ocean, Pacific Ocean, Indian Ocean and adjacent seas.](#) *Zootaxa* 5260(1): 1-74
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- Fincham, W.N.W., L.E. Brown, H.E. Roy, and A.M. Dunn. 2023. [Interactive effects of resource quality and temperature drive differences in detritivory among native and invasive freshwater amphipods.](#) *Freshwater Biology* 68: 915-925
- Gerth, W.J., C.A. Murphy, and I. Arismend. 2023. [Caddisfly dives for oviposition: Record-shattering depths and poor life choices in a dammed river system.](#) *Freshwater Science* 42(1): 104-117
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- Hendrickx, M.E. and J.C. Hernández-Payán. 2023. [The genus \*Metamysidopsis\* W. M. Tattersall, 1951 \(Peracarida, Mysida, Mysidae\) in the eastern Pacific with the description of a new species from western Mexico and notes on some diagnostic characters used in the genus.](#) *Crustaceana* 96(5): 423-453
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- Iwan Jones, J., C.E.M. Lloyd, J.F. Murphy, A. Arnold, et.al. 2023. [What do macroinvertebrate indices measure? Stressor-specific stream macroinvertebrate indices can be confounded by other stressors.](#) *Freshwater Biology*, 68(8): 1330-1345
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- Marrón-Becerra, A. and M. Hermoso-Salazar, 2023. [Description of three new species of \*Hyalella\* Smith, 1874 \(Crustacea: Amphipoda\) from Southeast Mexico](#). Zootaxa 5323(1)
- Martins, A.D and B. Francisco. 2022. [Ecological Functions of Polychaetes Along Estuarine Gradients](#). Frontiers in Marine Science 9: 780318
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- Murray-Stoker, K.M., J.V. McHugh, A.C. Benke, K.A. Parsons, A.D. Murray-Stoker, A.D. Rosemond, S.J. Wenger, and D.P. Batzer. 2023. [Long-term comparison of invertebrate communities in a blackwater river reveals taxon-specific biomass change](#). Freshwater Biology 68: 632-644
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- Perkins, M.A., B.W. Williams, and W.T. Russ. 2023. [Integrative taxonomy reveals two new narrowly-endemic crayfish species \(Decapoda: Cambaridae\) from the Yadkin River Basin in western North Carolina, USA](#). Zootaxa 5270(2): 207-230
- Salazar-Vallejo, S.L. 2023. [Revision of \*Chloeia savigny\* in Lamarck, 1818 \(Annelida, Amphinomidae\)](#). Zootaxa 5238(1): 1-134 \*\* Keys to genera and species included.
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- Szarmach, D., K. Wiśniewski, J. Kobak, et.al. 2023. [Differences in substratum preferences and behaviour within the invasive \*Corbicula\* species complex](#). Freshwater Biology. <https://doi.org/10.1111/fwb.14142>
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- Verdone, C.J., S.R. Beaty, V.B. Holland, and B.W. Williams. 2023. [Isoperla riverae, a new stonefly species from the southeast Nearctic, with notes on sympatric species including the larval description of \*Isoperla lenati\* Szczytko & Kondratieff, 2015 \(Plecoptera: Perlodidae\)](#). Zootaxa 5270(3): 437-470

## Announcements – Part 2

### News



[Dr. Jim Williams is the 2022 recipient of the Center for Biological Diversity's annual E.O. Wilson Award for Outstanding Science in Biodiversity Conservation.](#)



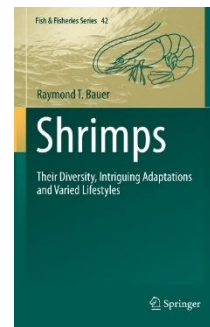
A Tribute to our Friend

[LeCroy, S. E., J. M. Shaw and C. F. Rakocinski. 2023. Richard W. Heard. Gulf and Caribbean Research 34 \(1\)](#)

## Books



[Smithsonian Institution Botany Collections Search](#)



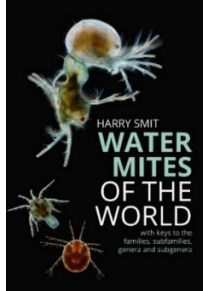
[Shrimps: Their Diversity, Intriguing Adaptations and Varied Lifestyles, by Raymond T. Bauer](#)



[Marvelous Mussels- an SFS Podcast](#)



[Ecological Health and Recreation Assessment of Rainbow Springs System](#)



## [Water Mites of the World - With Keys to the Families, Subfamilies, Genera and Subgenera, By Harry Smit](#)

A Review by Doug Strom

This review is intended for the Florida Association of Aquatic Biologists audience, mostly production taxonomists. A more technical review is available by the acarologists Antonio Di Sabotino and Vladimir Pesic (2021; see the Reference section). This excellent book is by Harry Smit, an accomplished acarologist based in The Netherlands (see Gerecke & Pesic, 2022). This no-nonsense book consists of a Table of Contents, a brief Introduction, a systematic section, a glossary, and a taxonomic index. The systematic section consists of a systemic table, keys and diagnoses for families, subfamilies, genera, and subgenera. All known water mites are included except for Stygothromboidea, which are not true water mites (Hydrachnidia). Brief compilations of recent taxonomic changes for the group, and those resulting from this work itself are provided. All taxa have the idiosoma and other key anatomical parts illustrated with detailed line drawings.

This resource appears to be a great complement to general water mite keys such as those of Smith (2010). The first 45 pages of this new book are available from the publisher as a free PDF file that includes the Table of Contents, the Introduction, and the key to families from this link: [Monografie watermijten.pdf \(nev.nl\)](#)

I recommend this book to anyone interested in knowing more about these interesting creatures. It is the most comprehensive recent compilation of water mite information, and it builds significantly upon the seminal contribution of Cook (1974). I purchased this book from ConchBooks (<https://www.conchbooks.de/>), purveyors of scientific books and original publisher of such great works as *The Compendium of Bivalves* (Volumes I and II), and *The Compendium of Chitons*. The book was 82.6 Euros (€) when I bought it, and the shipping fee was 24 €. The amount charged to my credit card was \$115.48, which was within 1 dollar of the exchange rate at the time for the total of 106.6 €. The exchange rate was 1.07 Euros for 1 dollar on May 30 2023. My bank charged me a “cross-border” fee of \$0.92 for the credit card transaction. So, the total price was \$116.40 which seems fair. I thought this was a good value for this important resource. I was not able to find this book on Amazon, Barnes & Noble, or Books a Million. I did find a listing for British vendor NHBS for £84.99 which currently equals \$106.53 which would be the cost without the shipping fee from England, so ConchBooks’ offer seems to clearly be the better deal.

Water & Air has previously purchased some of the books listed above, and we were very happy with them; we consider ConchBooks to be a trusted vendor. The website mentions the VAT (Value added Tax), but that fee is only charged for transactions within Europe.

Apparently, there is no eBook version currently.

There was an issue delivering my book because neither I, nor the vendor, were aware that the shipping service used DHL which cannot deliver to post office boxes. DHL can only deliver to physical addresses, so please be aware of this requirement if you order this book. I recommend that you add this to your bookshelf, it is a useful and valuable resource.

## References

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- Di Sabotino, A. 2021. [Water mites of the World by Harry Smit, a book review](#). *Acarologia* 61:758-759
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**Minutes of the Executive Committee Meeting of the Florida Association of Aquatic  
Biologists  
36<sup>th</sup> Annual Meeting  
2023 Spring Workshop  
May 10, 2023  
DRAFT**

**Doug Strom presiding**

**Attendees: Jennifer Davenport, Doug Strom, Shannon McMorrow, Mike Heyn, Andy Rasmussen, Scott Duncan, Dana Denson, Julianne Knight-Gray, Craig Duxbury, Wayne Price, Dave Karlen, Peggy Morgan, Carrie Goethel, Alex Orfinger**

**Doug called the meeting to order at 1130.**

**Approval of the Minutes:** The draft minutes from the 2022 EC and Business Meetings were published in the 2022 Fall Newsletter. There were no corrections or objections. Dana moved the minutes be approved and Wayne seconded the motion. The EC voted and unanimously approved.

**Committees Reports:**

**Awards:** Mattson, Chair. Potential recipients for the two awards (Contributions to Florida Aquatic Biology and Benthology and Contributions to FAB) were discussed. Rob will work on getting presentations ready for this year's Annual Meeting.

**Bylaws:** Doug Strom, Chair. Doug distributed copies of the Treasury Reports, Doug distributed copies of the latest version of the FAB Constitution, dated 2020. The Committee currently consists of just two members, Doug and Palmer Kinser. Doug is soliciting volunteers to join in order to increase participation. Any issues with or suggestions for the Bylaws should be directed to Doug.

**Editorial:** Peggy Morgan, Chair. Peggy is working on the next edition slated for August, 2023 and will send to Julianne for editing.

Please send Annual Meeting and Workshop announcements, literature, news items and other items of interest to Peggy at [Pegrat307@msn.com](mailto:Pegrat307@msn.com).

**Treasury (Finance and Endowment):** Rob Mattson, Chair. As of December, 2022, the checking account balance was \$15,615.07. At the time of this 2023 May meeting, it exceeded \$17,000. The Endowment Fund was valued at \$47,123.64 and was a little over \$48,000 in May, 2023.

We lost money on the 2022 Spring Workshop – expenses exceeded income largely due to transportation and lodging costs for the Workshop presenter. Rob wondered if we could use the Endowment Fund interest to offset any future deficits. The general consensus was it probably



isn't necessary given the fact that the FAB checking account continues to be robust, while the Endowment Fund has not grown a lot due to the volatility of the stock market. We announced last year that monetary support for student presenters traveling to the Annual Meeting (from the Endowment Fund interest) but no one applied. Alex committed to advocating these travel awards to various universities, as he did last year, but not to dip in to the Endowment Fund principal to do so. Peggy questioned whether or not we needed to include a specific policy or guidelines for using Endowment Fund moneys. Doug responded that it wasn't necessary under the Endowment Fund financial rules and that it was better that we maintain flexibility and not restrict ourselves to a rigid framework. Doug found a reference in the Bylaws to a document entitled FAB Endowment Fund Policy, which the Finance Committee will review. Andy suggested The Committee (or sub-committee) should determine how the Fund should be used once it grows more substantially. He suggested scholarships for student research, separate from the Annual Meeting, and/or additional awards.

The Committee agreed that we periodically transfer money from the checking account to the Endowment Fund, providing we keep the checking account around \$10,000.

**Internet Committee:** Jennifer Davenport, Chair. The photos on our website have been linked to Shutterfly, but they have discontinued their share sites, so we can no longer use them. Dana attempted to download all of the photos, but was informed that he could only receive them via an email from Shutterfly. He has not received them and suspects they were sent to an old email address to which we no longer have access. He is looking into the matter. Consequently, we need to either find an alternative server or pay more for a storage upgrade. Jennifer reports that we could use a Google drive folder and provide that link on our website, but under our current Weebly account, we are limited to 30 GBs (which includes emails, newsletters, etc.). Therefore, we need to determine the size of our current photo gallery, which Jen agreed to work on, as well as how much a Google drive upgrade would be. Flickr was suggested as well, but we need to determine their policies. Carrie suggested we look into Office 365, which may have a free non-profit document sharing subscription with a potential storage capacity of 1 TB and 300 users.

**Membership:** Shannon McMorrow, Chair. We have a new membership database (in Access) but data has not yet been entered. Someone has to manually input the email address from meeting registration or dues payment information from the notification email to the Access database. Scott created an excel spreadsheet for the last Annual Meeting which made it easier for Rob to manage and could be uploaded into the Access database. Jennifer may be able to export the data from Weebly "side of things" providing it includes all the information needed, such as email and physical addresses, since we need to keep membership information updated. Carrie agreed to test out these automated capabilities. Jen and Carrie will meet to discuss and establish Carrie's access to the gmail account. Rob offered to assist.

The Access database links attendees and their contact information to their past membership and meeting/workshop attendance and could provide metrics we aren't even thinking about right now.

Currently, we have about 40 paying members.



**Nominating:** Shannon McMorrow, chair. Craig Duxbury will assume the role of FAB President in January, 2024. Rob will continue as Treasurer during Craig's tenure and Peggy will continue as Secretary. At the Fall Annual Meeting, we will need to nominate a President-Elect and a member to replace the retiring Dana on his committee assignments. Alex will be graduating in August, 2024, and we will need to replace our Student Representative as well. Alex plans to reach out to potential interested students and Andy suggested we approach student presenters from past FAB Annual Meetings.

**Workshop and Certification:** Chair, Craig Duxbury and Co-Chair David Karlen. Craig reported that he is consulting with Scott and planning to keep the workshop schedule similar to last year, Scott stated that the Fall Annual Meeting will be in conjunction with the Fall Marine Workshop in the first week of November. He has contacted the Weedon Island Preserve Cultural and Natural History Center in St. Petersburg and is in early stages of dialogue. The contact was very optimistic, but one problem is that the Center is only open from Thursdays to Sundays and so arrangements would need to have a staff person, or volunteer, lock and unlock the doors, unless they are comfortable giving Scott the key. There is a possibility that we may qualify for a reduced rate (or free) as a non-profit organization, but Scott has not yet determined that to be the case. The backup location will be the Coast Guard Auxiliary in Tampa. He plans to solicit student presenters at local colleges, including University of Tampa, Eckerd College, University of South Florida and Florida Gulf Coast University.

Dave Karlen stated that the Fall Marine Taxonomic Workshop will be held on November 8 through 10 at the UT Marine Lab in Tampa, a short drive from Weedon (and the Coast Guard Auxiliary), although he will consider using the labs at Weedon Island if they are free of charge.

Scott will schedule the Business and EC meetings such that it will be convenient for participants of both meetings to attend.

**Registered Agent:** Doug Strom for David Evans, Chair. David Evans is currently our registered agent and is willing to continue in his retirement.

New Business:

- No new business was presented.

Rob motioned to adjourn, seconded by Jen and unanimously approved at 1210  
Submitted 08/01/2023, Peggy Morgan, Secretary





## Membership

**FAB membership has increased to \$35, effective January, 2022.** Click [here](#) to become a member today! Your membership is for one year: January 1–December 31 and are due February 15<sup>th</sup> 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

## REMINDER!!

IF YOU HAVEN'T PAID YOUR MEMBERSHIP DUES FOR 2023 YET, YOU CAN ALSO ADD THIS ITEM TO YOUR CART ON OUR WEBSITE TO RENEW YOUR MEMBERSHIP FOR THIS YEAR (AT \$35). IF YOU NEED TO CHECK ON YOUR MEMBERSHIP STATUS, PLEASE EMAIL ROB MATTSON: [yelpmark@att.net](mailto:yelpmark@att.net)



