

# MASTHEAD

Quarterly Newsletter of the Mid-Atlantic Marine Education Association

## In This Issue

MAMEA 2022 Award Lifeline	2
VA SEA Lesson Plan Log	3
TKH Recommended Reading	4
Spyglass - Calvert Marine Museum	5
NMEA 2023 Save the Date	
MAMEA 2022 Wrap Up	6
Masthead Editor's Chair Changing Tides	7
Miami University's Project Dragonfly	8
Regional Updates - North Carolina Virginia	9
Regional Updates - Virginia	10

## From the Captain's Quarters Emily Boyd, MAMEA President

In the spirit of the fast-approaching holiday season, I am thankful for the opportunity to FINALLY connect in-person this year at our annual conference. What a beautiful weekend spent on the coastline of North Carolina!

As we continue to remain flexible and adapt to the effects of the pandemic, we are also required to adjust to the "new normal." It is no secret that the pandemic has challenged the way we live and work, but we know it has also had an incredible effect on how our students learn. This has required us to change how we teach and now, more than ever, our students need us to help them navigate through today's challenges.

Teachers/educators are often the forgotten heroes and have more on their plate than others realize. I wanted to take this opportunity to remind you all that you've got this! Also, remember that your personal well-being is equally as important as being there for your students, so don't forget take time for yourself. Whether you have been in MAMEA for 10+ years or if this is your first year as a member, you are now part of a collective group of people who share the same passions as you and are going through similar situations.

One of the things I love most about MAMEA is the willingness of our members to support one another. Whether it's sharing resources, learning from one another, or just taking time to relax and have fun, know that we've got your back!

May you have a safe & fulfilling holiday season,  
*Emily, MAMEA President*



Images from the 2022 MAMEA Annual Conference  
(Emily Boyd, Lauren Fauth and Erika Young)

## Please Congratulate our 2022 MAMEA Award Winner!

*Rachel Riesbeck, Awards Committee Chair*

At the 2022 MAMEA Conference Out-Going President, Evan Beatty, had the honor of presenting the MAMEA President’s Award during the business meeting on October 29th.

*From Evan Beatty, MAMEA Out-Going President -*



This year’s **President’s Award** recipient is **Kathryn Fuller**. Kathy is an Environmental Resource Teacher with Prince George’s County Public Schools at the William Schmidt Outdoor Education Center. Kathy was fundamental in the planning and executing of the 2021 MAMEA virtual conference.

When I was first elected to the president’s chain and began planning an in-person conference in 2020 Kathy jumped in with both feet to help me not only find a location but also plan what would have been an excellent conference. Unfortunately, COVID had other plans, and our 2020 conference had to go virtual. When my term as president-elect was extended, and we planned to do an in-person 2021 conference, Kathy helped me to pick up where we left off in conference planning.

When COVID, unfortunately, took us virtual again for the 2021 conference, Kathy was again indispensable with her knowledge of digital platforms taking the lead on setting up our WHOOVA account and creating a better conference than I could have imagined. On top of all her excellent work in planning and facilitating the conference, she also headed up auction donations and put together a fantastic selection of auction items.

I truly could not have done it without her. Thank you Kathy for all of your efforts over the last two years and your ongoing support and dedication to MAMEA.

**Each year, we honor selected colleagues for their stellar work in marine education. Based on nominations submitted by their peers, one Classroom Teacher and one Informal Educator are recognized. Additionally, the MAMEA President may acknowledge a highly-valued colleague with the President’s Award. Please nominate a deserving MAMEA member for an award in the next year. The application is open now.**



## Lifeline

While I know many of you stay current with CPR Certification, I would like to remind everyone that Hands Only CPR can be just as effective as conventional CPR during the first few minutes of Sudden Cardiac Arrest. The average person has oxygen in their blood from their last breath. Hands Only CPR delivers that oxygen to the brain and other vital organs.

# 2 STEPS TO SAVE A LIFE



Image courtesy of the American Heart Association

The power is in your hands.

PS – A few songs you could sing to yourself to keep the beat: Staying Alive, Never Gonna Give You Up, Achy Breaky Heart, Highway to Hell (Okay, maybe not that one).

*Chuck Fuller*

## VA SEA Winter Lesson Plan Log: Highlighting Hands-On, Research Based Marine Science Activities for K-12 Classrooms

*Bethany Smith, Marine Education Specialist (bsmith@vims.edu)  
Virginia Institute of Marine Science – Marine Advisory Program*

Graduate students in the Virginia Scientists & Educators Alliance (VA SEA) program (a program facilitated by educators at the Virginia Institute of Marine Science and Chesapeake Bay National Estuarine Research Reserve in Virginia) have created over 50 unique, hands-on lesson plans geared towards middle and high school audiences. These lesson plans provide real-world connections to classroom learning across a variety of science disciplines, and are easily scalable to meet the needs of your unique classroom. In this winter edition of the VA SEA Lesson Plan Log, we highlight three lessons that all provide some great hands-on learning!

### Dissecting Data

In this activity, designed by VIMS graduate Amanda Bromilow, your students will dissect play-doh fish stomachs to determine which fish species are important predators of juvenile blue crabs in Chesapeake Bay. Students will have the opportunity to practice use of a balance, and construct simple bar graphs to draw conclusions based on their data. Amanda's lesson plan most closely addresses middle school life science standards, but is definitely scalable for older students, and certainly enjoyable for all learners.

### Wolffish: A Tale of Missing Teeth

In this activity, designed by VIMS graduate Kate Bemis, your students will make observations based on photographs of real wolffish jaw specimens from a natural history collection. Using data collected from the photographs, students will construct a hypothesis related to the cause of the wolffish's missing teeth, and then graph the data to determine if their hypothesis is supported. Kate's lesson plan most closely addresses middle school life science standards, and is easily scalable to meet high school biology and oceanography standards.

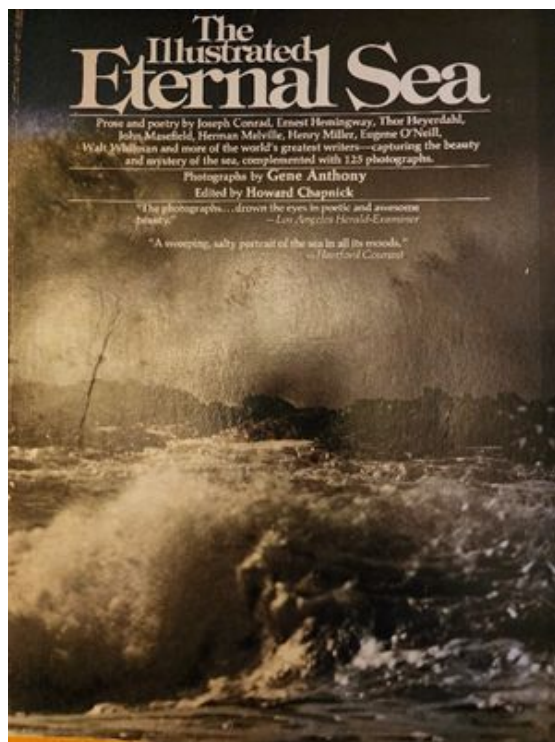
### Trawling through the Five Gyres: A Microplastic Research Study

In this activity, designed by VIMS graduate Meredith Evans Seeley, your students will roleplay scientists working to discover what types of plastics are polluting the oceans. By analyzing and graphing "samples" of microplastics collected in each of the 5 ocean gyres, students will gain an understanding of the link between ocean microplastic pollution and our use of single-use plastics. Meredith's lesson plan most closely addresses middle school life science standards, and is easily scalable to high school biology, environmental science and oceanography, as well as upper elementary science students looking to understand human impacts on the environment.

Have you used any of the VA SEA resources in your classroom? Is there a specific topic / SOL you could really use a lesson for? Our team would love to hear from you! For complete lesson plans, including a background PowerPoint, student/teacher handouts and answer keys, please visit the VA SEA lesson plan collection at [www.vims.edu/vasea](http://www.vims.edu/vasea). Want to check out this year's cohort of 12 AWESOME lesson plans? The 2023 VA SEA Lesson Plan Expo is scheduled to be in-person at VIMS on April 20, 2023. Register to attend here: <https://www.surveymonkey.com/r/vasea23expo>. Can't attend in-person? New lesson plans will be posted to the VA SEA website on expo day.

# TKH

## Recommended Reading



### The Illustrated Eternal Sea

Edited by Howard Chapnick and Photographs by Gene Anthony (1976, Grosset & Dunlap, New York, NY)

I thought it was time for a throwback – a favorite book from my past, present, and future – a Christmas gift that I received from my parents in 1977 while I was studying marine biology at the University of North Carolina at Wilmington. This book cemented the thought in my mind that I had made the right decision when choosing my major and future career path.

The Illustrated Eternal Sea is a collection of black-and-white photographs, capturing the ocean in its many moods, from tranquil to wild and untamed. Images featuring people using the sea commercially and recreationally are also included, as well as photos of empty beaches and the open ocean.

What I have enjoyed most about this book are the words, the stories, and the feelings that these phrases evoke. From Marguerite Janurin Adams to William Wordsworth, one can find beautiful words shared by little-known and well-known writers from around the world.

Did you know that the book of Ecclesiastes (1:7) includes a description of the water cycle? “All the rivers run into the sea; yet the sea is not full; unto the place from whence the rivers come; thither they return again.” Of course, many have read or heard this poem by John Masefield: “I must go down to the seas again, to the lonely sea and the sky, and all I ask is a tall ship and star to steer her by;” – there are five additional couplets that carry the thought to its conclusion.

Victor Hugo, known more for *Les Miserables* and *The Hunchback of Notre-Dame* than for his scientific knowledge, wrote: “We see the tides of the water; we do not see the tides of the air. The atmosphere, like the ocean, has its own ebb and flow, even more gigantic, and rising, like a vast tumour, toward the moon.”

“Consider the subtleness of the sea; how its most dreaded creatures glide under water, unapparent for the most part, and treacherously hidden beneath the loveliest tints of azure,” penned Herman Melville in *Moby Dick*.

Although dated and out-of-print, The Illustrated Eternal Sea can still be purchased through used book websites and will serve educators well in a multidisciplinary study of the ocean. Use the words to bring together science, social studies, and literature. Encourage students to research “salty/marine” poems and prose from newer writers. Assign students to create their own version of this classic.

I hope you can your hands on this classic – please read and enjoy this great book celebrating the ocean!

*Terri Kirby-Hathaway*

Please let me know if you read any of the books that I suggest in this column. I would like to know what you read and what you think of it! [terrikhnc@gmail.com](mailto:terrikhnc@gmail.com)

There are other books that feature poetry and prose about the marine world; a few are listed here (in chronological order):

- There’s a Sound in the Sea: A child’s-eye view of the whale by Tamar Griggs, 1975, Scrimshaw Press
- The Ocean Almanac by Robert Hendrickson, 1984, Main Street Books
- The Dolphin’s Arc: Poems of Endangered Creatures of the Sea by Elisavietta Ritchie, 1989, SCOP Publications
- Ocean Planet by Peter Benchley and Judith Gradwohl, 1995, supplement to the Ocean Planet exhibition, Smithsonian Institution
- Pond Lake River Sea by Maryjo Koch, 1998, Swans Island Books



# Spyglass



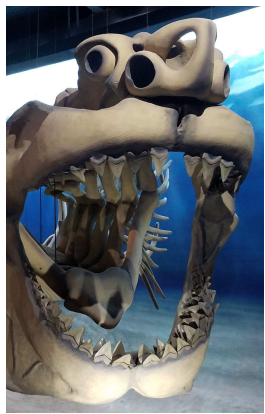
## Calvert Marine MUSEUM

**Focus On:**  
**Calvert Marine Museum**  
*Solomons, Maryland*

**Exhibit and Special Programs Interpreter - Mindy Quinn**



The Calvert Marine Museum (CMM) is a museum operated by the Calvert County Government. The museum is dedicated to the presentation of three themes: regional paleontology, estuarine life of the tidal Patuxent River and adjacent Chesapeake Bay, and maritime history of these waters.



CMM is a family-friendly museum that offers live animals, fossils, interactive exhibits, daily activities, and a furnished cottage-style screwpile lighthouse. The museum has many annual events including OtterMania, Maritime Festival, SHARKFEST, and Patuxent River Appreciation Day. We offer a variety of in person as well as virtual programming, including Chesapeake Bay Field Lab Programs currently aboard our historic bugeye, the William B. Tonnison. In the field lab, students get the opportunity to get hands on science experiences by dredge for oysters and performing some water quality testing. In the museum itself, students can touch a Megalodon tooth, get up close to blue crabs, cownose rays and three playful river otters, or explore the history of how humans have interacted with the local waterways for thousands of years.

One of the things that I am most proud of about CMM is when visitors compliment it, saying things like “I had no idea this was here.” or “This has been really great!” The museum may appear small on the outside, but the quality of our exhibits and programs exceeds expectations of many visitors.



To learn more about the Calvert Marine Museum, please visit our website [www.calvertmarinemuseum.com](http://www.calvertmarinemuseum.com).



**The NMEA 2023 annual conference, “Strait to Sound: Gathering at the Salish Sea” will be held at Western Washington University in Bellingham, Washington from July 23-27. More information is found [here](#).**

NAME (Northwest Aquatic and Marine Educators) is excited to host the NMEA 2023 annual conference—a special event that brings together hundreds of formal and informal educators, scientists, students, and resource managers dedicated to teaching about our marine, coastal and aquatic environments. Inspirational speakers, field adventures and excursions, engaging presentations, institutional collaborations, and community partnerships will provide participants with the opportunity to learn new science, explore new teaching techniques and foster professional connections to improve the future of our waterways and communities.

# MAMEA 2022 Annual Conference Wrap Up

*Emily Boyd, MAMEA President*

Thank you to all who spent their Halloween weekend in beautiful Pine Knoll Shores, North Carolina this year. We had around 60 educators come together for the first in person MAMEA annual conference in two years. It was great to reconnect with friends & colleagues, as well as welcome so many new members to our band of marine educators.

After the Board met on Friday afternoon, we kicked off the conference weekend with an evening of tacos, drinks, and aquatic creatures at the NC Aquarium at Pine Knoll Shores. There we were joined by guest speaker, Windy Arey-Kent, who is a Conservation Coordinator at SAFE Sharks & Rays. Windy shared the important conservation work that SAFE strives toward, particularly the people & animal-driven solutions toward elasmobranch conservation and research. Throughout the night, everyone indulged in a delicious meal served by Dank Burrito, a local taco food truck restaurant, and relaxed with good conversation, rekindled old friendships, and made new connections.

We started strong on Saturday morning with a shared meal at breakfast, followed by a film showing of “Tidal Alert: The State of Water Quality and its Impacts on Coastal Fisheries.” The film addressed the impacts of poor water quality that are identified by the local coastal fishing community and was showcased by Riley Lewis, a White Oak Waterkeeper at Coastal Carolina Riverwatch. From there, we kicked off our morning concurrent sessions for the day which included a discussion with Riley about how the film is shared with community members and policy makers.

After a full morning everyone convened for lunch, followed by the annual business meeting and awards ceremony. Special congratulations to our new Board members and to Kathy Fuller for receiving the 2022 President’s Award! During the meeting, the Board also explained the draft [MAMEA 2023-2027 Strategic Plan](#) and encouraged members to review it throughout the day and make comments. Thank you to those who already shared their notes—the Board is currently reviewing them and will share an updated plan in the future. If you have any additional comments, please send your thoughts to Chris Petrone at [petrone@udel.edu](mailto:petrone@udel.edu).

Following lunch, we finished out the day with a few more concurrent sessions and then gathered once more for a shared meal in the evening. This lead directly into the fun activities for the night, which included the always entertaining auction and Halloween costume contest. We had a great turnout of people dressed in their best marine-themed costumes, which included clam shells, sea turtles, the Wetland Wonder Woman, jellies, octopus, guy being eaten by a shark, nudibranchs, and many more! Congratulations to all our category winners of Most Sustainable, Most Realistic, and Best Overall!

The fun wasn’t over for everyone following Saturday evening’s festivities. On Sunday morning, 3 groups of people adventured onto various field trips before departing home. One was a tour of Duke Marine Lab and the R/V Shearwater, a 77’ catamaran and state-of-the-art research vessel. Another group visited Fort Macon State Park, where they spent the morning on a natural history walk with a Park Ranger. The third group visited Bonehenge Whale Center and learned about the important marine mammal conservation work happening in the area.

For those who missed the conference this year, know that we missed you! Stay tuned for information about next year’s annual conference hosted by our new President-Elect, Lolita Kiorpes.



# From the Editor's Chair

*Kathy Fuller, Masthead Editor*

I am celebrating a year at the helm of the Masthead, and I want to hear from you. This is your newsletter. What do you want to see in the Masthead? I have created some new sections, but are they enough? Do you want more or less of what has been included in the last year?

As always, ANYMAMEA member is welcome to submit items to the Masthead newsletter. You do not need to have a special invitation to submit something for the newsletter. Have an event coming up you want to share? Want to spread great news about your or your student's accomplishments? Other newsworthy items? Send them my way. The Masthead is a quarterly newsletter, so the submission schedule is as follows:

- December 1st for the Winter Issue (covering January-March)
- March 1st for the Spring Issue (covering April-June)
- June 1st for the Summer Issue (covering July-September)
- September 1st for the Fall Issue (covering October-December)

*Kathy Fuller*  
[mskathyfuller@gmail.com](mailto:mskathyfuller@gmail.com)

## Changing Tides

### Welcome to our New MAMEA Board Members and Thank You for Your Service to those Stepping Down

#### Incoming Tide (New Positions)



Emily Boyd, President



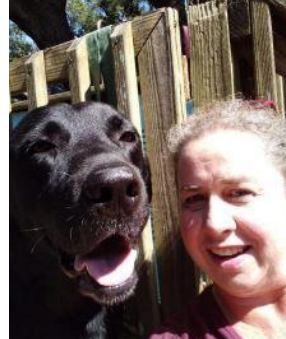
Evan Beatty, Past President



Lolita Kiorpes, President-Elect

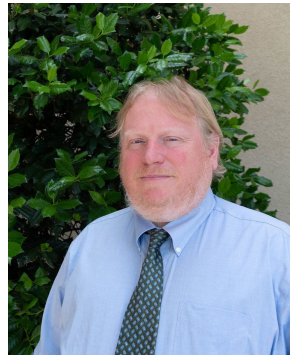


Mindy Quinn, Maryland Representative



Amy Sauls, Member-at-Large

#### Slack Tide (Re-elected/Appointed)



David Christopher, Secretary



Andy Gould, North Carolina Representative



Kristen Sharpe, Virginia Representative  
(Appointed by MAMEA President after the VA Rep left the region.)



Lisa Tossey, Out-going Past President



Lauren Fauth, Out-going Maryland Rep

#### Outgoing Tide (Completed Service)

## Watershed Education Grant Funds Available

### Application deadline February 10, 2023



The NOAA Chesapeake Bay Office is excited to announce a call for proposals for their Bay-Watershed Education and Training (B-WET) grants. Projects supported by these funding opportunities will support school districts efforts to deliver meaningful watershed educational experiences (MWEEs) to students and help school districts increase their capacity to facilitate environmental education.

#### FY23 Funding Opportunity:

**School District MWEE Programming:** Funding will support projects to help school districts deliver MWEEs to students or to increase school districts' capacity to deliver environmental education. We anticipate about \$450,000 in total funding to support 4-6 new projects.

**Applications are due February 10, 2023.** Informational webinars about the FY 2023 Chesapeake B-WET funding announcement will be held on November 21, 2022 at 1:00 Eastern Time and November 30, 2022 at 11:00 Eastern Time. Registration for these webinars is required.

Contact Elise Trelegan ([elise.trelegan@noaa.gov](mailto:elise.trelegan@noaa.gov)) with any questions or to discuss project ideas.

## Miami University's Project Dragonfly Applications Open - Deadline January 28

Join a summer graduate course and/or start your master's degree with several of your fellow MAMEA members



Miami University's Project Dragonfly is accepting applications for 2023 Earth Expeditions graduate courses that offer extraordinary experiences at global field sites in 15 countries throughout Africa, Asia, Australia, and the Americas. <http://EarthExpeditions.MiamiOH.edu>

Earth Expeditions can build toward the Global Field Program (GFP), a master's degree that combines summer field courses worldwide with web learning communities so that students can complete the GFP master's part-time from anywhere in the United States or abroad. Applications are now being accepted until January 28. Courses begin in May 2023. <http://GFP.MiamiOH.edu>

In Baja, students work in the diverse marine environments of the Bahía de Los Ángeles Biosphere Reserve, a UNESCO World Heritage Site. In Belize, students explore the world's second largest coral reef system. And in Australia, students conduct research on the world's largest reef system, working directly with the Great Barrier Reef Marine Park Authority, the organization responsible for the management and conservation of the Great Barrier Reef. Students in these courses apply field methods in reef, island, sea grass, mangrove, and other marine ecosystems, while becoming part of a global alliance of professionals who work together to engage communities in science and conservation.

Graduate tuition for all programs is greatly reduced because of support from Miami University.

Project Dragonfly reaches millions of people each year through inquiry-driven learning media, public exhibits, and graduate programs worldwide. Project Dragonfly is based in the biology department at Miami University in Oxford, Ohio. Established as a state university in 1809, Miami is one of the eight original Public Ivies and has a distinguished record of excellence in research and teaching in science and science education.



Project Dragonfly, Miami University, Oxford, Ohio 45056

[GFP\\_Masters@MiamiOH.edu](mailto:GFP_Masters@MiamiOH.edu)



## Regional Updates

### NORTH CAROLINA UPDATE

*Andy Gould, NC Representative*

#### Project Learning Tree - Early Childhood Workshop

*Blue Jay Center for Environmental Education, Raleigh, NC*

*Saturday, January 28, 2023, 9am-4pm*

Join other K-8 classroom and nonformal educators as we explore activities in the newly released Project Learning Tree Trees and Me Early Childhood activity guide and the Explore Your Environment K-8 Activity Guide.

PLT workshops are open for any educators, and many of the activities can easily be modified for any age group. PLT workshops and the materials are also great for those involved with youth groups, scouting, homeschool educators, and parents! Workshops are designed to provide professional development for formal and nonformal educators, and others working inside and outside of the classroom.

Provides 6hrs of CEU's for teachers. Provides 6hrs of Criteria I for NCEE Cert. This program is run by NC State Extension and does have a fee, please check their [website](#) for registration information.

Phone: (919) 870-4330



### VIRGINIA UPDATE

*Kristen Sharpe, VA Representative*

#### Hello! From the New Virginia MAMEA Representative

Hi, everyone! I want to introduce myself both to our members and the greater MAMEA community! My name is Kristen Sharpe, and I am taking the helm as the Virginia State Representative for the next year. I am currently the Assistant Director of Outreach and Engagement at the Virginia Institute of Marine Science, where I recently completed a Masters degree in marine science, focusing on zooplankton ecology. Prior to entering the Masters program, I spent five years working in informal marine science education as the Marine Education Specialist at the Chesapeake Bay National Estuarine Research Reserve in Virginia. I have been a member of MAMEA since 2014, and have previously served on the MAMEA Board as Virginia State Representative from 2016-2018 and as the co-chair of the Social Media Committee from 2018-2019. I am so excited to be able to reconnect with my MAMEA family and once again serve on this Board of very impressive people!

#### Virginia Mini Event

I have multiple mini events in the works for our Virginia membership this year, but I would love to have your input as to what you are most interested in! Please fill out the linked [Google form](#) to share your thoughts with me!



#### Nauticus

Visit the Nauticus [calendar of events](#) for information on upcoming featured events!

#### Virginia Living Museum

The Virginia Living Museum has a plethora of event offerings for the public and members alike! Please visit the

[Virginia Living Museum events page](#) to learn more!



## VIRGINIA UPDATE Continued

### Virginia Institute of Marine Science

**After Hours Lecture Series:** VIMS' monthly After Hours lecture series features educational talks given by scientists from VIMS and elsewhere as they explore hot issues facing the Chesapeake Bay and global ocean. Lectures are provided in a hybrid format: with both an in-person presentation as well as a live webinar. Reservations to this free public lecture series are required due to limited space. Topics for winter 2023 will be updated as they are confirmed on the [After Hours calendar of events](#), and you can register using the links in the calendar.



**Speakers Bureau:** Interested in having a marine scientist meet with your students in your classroom or virtually? Planning a public lecture where you'd like a research perspective? VIMS scientists are available to speak to your club, business, community organization, school, or other venue. The topics offered are as diverse as VIMS' research! For a list of curated speakers and presentations, as well as to request a speaker, visit our [Speakers Bureau](#) page.

**Group Tours:** Guided tours of VIMS are offered to private groups, by request and availability, throughout the year! If you have ever been curious as to what's happening in our labs and facilities, requesting a group tour is a great opportunity to learn more about our research as well as connect with our marine scientists! You can view tour offerings and more information, and request a tour, using our [Group Tours](#) page.

### **Save the Date for Marine Science Day 2023: Saturday, June 10, 10 AM – 3 PM!**

VIMS' annual open house will be occurring on campus once again on June 10, 2023! Every year, VIMS opens its campus to the public, providing hands-on experiences in marine science and education for all ages! We will have educational displays, opportunities to collect live animals in the York River, tours of our labs and facilities, family-friendly crafts and experiments, and seafood cooking demonstrations! This event is provided completely free of charge. [Check back](#) for more information on the agenda in 2023, including a link to register!

### Chesapeake Bay National Estuarine Research Reserve in Virginia

**Discovery Lab Series:** Come explore with your kids at [Discovery Labs!](#)

These free, family-friendly programs are provided each month by the [Chesapeake Bay National Estuarine Research Reserve \(CBNERR-VA\)](#) at VIMS. Designed with elementary-aged youth and their parents in mind, each lab focuses on a different topic related to the Chesapeake Bay and our local environment and includes exhibits, demonstrations, and hands-on activities as well as a short presentation by a VIMS scientist. For information about upcoming labs and to register for a lab, visit our [events calendar](#).



**Resource Boxes:** Resource boxes are complete lesson plans including materials required that are available for teachers to check out and use in the classroom. Boxes are available free of cost, but require pick up and drop off at VIMS. [For more information about each individual box.](#)

**Virtual Field Trip:** For those not near the coast, educators from CBNERR have created a [virtual field trip](#) to our site in Gloucester Point, VA where students can see how we typically sample the biodiversity in the shallow water environment using large nets! The field trip will also showcase our habitat cage activity, examining oyster reefs as habitats for a variety of animals and plants.

**Teacher Training Workshops:** Please contact Sarah Nuss, Education Coordinator, at [mcquire@vims.edu](mailto:mcquire@vims.edu) for more information about upcoming trainings, and to be included on the teachers list-serve for future opportunities.

### Virginia Aquarium and Marine Science Center

Visit the [Virginia Aquarium page](#) for information on upcoming featured events as well as offerings for schools and teachers!



## Member Benefits

**MAMEA Members receive the following benefits:**

- MASTHEAD quarterly newsletter
- Professional Development
  - Annual conference and mini events hosted in each of our states
- Funding
  - Scholarships to the annual conference
  - Grants for up to \$1,000 for marine-related classroom projects
- Recognition
  - Awards are given to members, honoring exemplary service as a Classroom Teacher or Informal Educator
- NMEA membership discount



Photo: Kathy Fuller; bleached whale skeleton at Bonehenge

*More information and deadlines are available on the MAMEA website [www.mamea.org](http://www.mamea.org).*

### MAMEA Board Members

- Emily Boyd, President
- Lolita Kiorpes, President-Elect
- Evan Beatty, Past President
- David Christopher, Secretary
- Jackie Takacs, Treasurer
- Tami Lunsford, Delaware Representative
- Mindy Quinn, Maryland/DC Representative
- Kristen Sharpe, Virginia Representative
- Andy Gould, North Carolina Representative
- Amy Sauls, Member-at-Large
- Kathy Fuller, Member-at-Large

The MAMEA Board meets twice a year. More information and contact details can be found [here](#).



### MAMEA Committee Chairs

- Chris Petrone, Action Plan
- David Christopher, Archives
- Vacant, Auction
- Rachel Riesbeck, Awards
- Jackie Takacs, Conference Advisory
- Chris Petrone/Lisa Lawrence, Finance
- Dawn Sherwood, Grants
- Kathy Fuller, MASTHEAD
- Evan Beatty, Mentoring
- Tami Lunsford, NMEA Representative
- Evan Beatty, Nominating
- Vacant, Scholarship
- Lauren Fauth, Social Media
- David Christopher, Standing Rules
- Lisa Lawrence, Webkeeper