From the Captain’s Quarters

Dear MAMEA Members,

It’s crazy with the weather today, snow and wind gusts of 70 mph, to think that spring is just around the corner. I know that I am looking forward to flowers blooming, frogs singing, and moving into our field season of programs! As the new season rounds the corner, be sure to take advantage of all the upcoming opportunities that MAMEA has to offer. In this issue, you will see an announcement for MAMEA grants, which are a great way to fund projects/opportunities for your audiences to learn more about our aquatic world. Be sure to keep an eye out for state mini-conferences in the upcoming months. These are a great way to connect with colleagues in your state and to introduce new members to the MAMEA family. Feel free to contact me if you would like to learn more about serving on the MAMEA Board or if you have any questions or concerns that you would like us to discuss.

Happy Spring!

Lauren Albright
MAMEA President
SAVE THE DATE!

MAMEA 2018 Annual Conference
Renaissance Hotel Portsmouth-Norfolk
November 9-11, 2018  Portsmouth, Virginia

Get ready for a weekend of networking, professional development, and fun! Friday night's presentation and festivities will be held at Nauticus in Norfolk. Water taxis leave right outside of the hotel and take you directly to the waterfront. Enjoy river views from every hotel room and take a stroll along the newly renovated boardwalk. Great dining, shopping, and sightseeing abound. Registration information coming soon - watch the MAMEA website/Masthead for details!
You asked and we listened... Get ready to show your pride with our full line of MAMEA gear!

From polished and professional to fun and funky, we’ve got you covered! Choose from t-shirts, sweatshirts, water bottles, baby gifts, dog bandanas, lapel pins, neckties and more! All available in Zazzle’s full spectrum of sizes, colors, and styles.

And, best of all, 10% of every purchase goes directly to support MAMEA!

https://tinyurl.com/MAMEAgear
2018 Nominating Committee Update

This spring, MAMEA will be conducting elections for several very important positions. With the exception of President-elect, which is a three year commitment (one year as President-elect, one year as President, and one year as Past-President), these Board positions all serve a two-year term. If you are interested in any of these positions, please contact any of the current Board members, including Nominating Committee Chair, Chris Petrone (petrone@udel.edu), or visit www.mamea.org/toolkit.html for more information. If you are interested in serving on the Nominating Committee, please contact Chris.

2018 elected offices:
• President-elect
• Treasurer
• DC Rep
• VA Rep
• (1) At-Large

MAMEA elections timeline:
• March 1-April 30 - Nominations accepted
• May 1 - Candidates are announced to the membership
• June 1-July 1 - Online election (paper ballots are available for those without email or who prefer a paper ballot)
• July 16-20 – National Marine Educators Association annual conference, where the election winners are announced

Membership Update

It’s time to renew your MAMEA membership! MAMEA annual memberships run from January 1 – December 31 each year. If you have not yet renewed your membership in 2018, please take a moment to do so at: http://www.mamea.org/membform.html

MAMEA members are eligible for fantastic benefits including $1,000 grants, MAMEA awards, conference scholarships, a discount for NMEA membership and more. Currently, we have 130 members with the following state breakdown:

Washington DC - 3
Delaware - 11
Maryland - 30
North Carolina - 23
Virginia - 60
Other states - 3
16 Lifetime Members

Your Amazon Purchases Can Help Support MAMEA!

Did you know that your everyday Amazon purchases can help support MAMEA? When customers shop on AmazonSmile, the AmazonSmile Foundation donates 0.5% of the price of eligible purchases to the charitable organization(s) selected by customers. To have your purchases support MAMEA, simply visit smile.amazon.com and select “mid-atlantic marine education assn”

As always, we appreciate your support!
NMEA Representative Report

Kathy Fuller
MAMEA Chapter Representative to NMEA

NMEA at NSTA

The NMEA Mid-Year Board Meeting was held at the NSTA National Conference on Science Education in Atlanta, Georgia on March 15th. On March 16th NMEA hosted a track of marine education-related sessions that was kicked off with a Whale of a Share-a-Thon.

Interested in presenting as part of the NMEA hosted track of sessions in 2019 in St Louis? The deadline for NSTA 2019 proposal submissions is April 16, 2018. All MAMEA and NMEA members are encouraged to submit proposals for this national conference to be a presenter in the NMEA track of sessions. To submit a proposal, visit http://www.nsta.org/conferenceproposals. Once you have submitted your proposal to NSTA, please email the NMEA Liaison to NSTA, Mellie Lewis, at mellielewis@hotmail.com with your name, proposal title, 25-word description of your presentation and the NSTA assigned

NMEA 2018 Conference Registration Now Open!

Make sure your calendars are marked for the 2018 NMEA conference in Long Beach, CA July 15-20. Visit the NMEA website (www.marine-ed.org/page/2018conference) to get up to date information on the conference. The latest news is that there will opportunities to witness the grunion run while we are at the conference.

See you in Long Beach!

Save the Date for the 2018 Osprey Banding - June 16, 2018

The 2018 Osprey Banding opportunity at Patuxent River Park in Upper Marlboro, MD will be held on Saturday, June 16th. More information will be coming soon. This year the event will be co-sponsored by MAMEA and NMEA. As an official membership event, participants will need to be current members to MAMEA or NMEA. Remember that MAMEA members get a discount as a Chapter Affiliate to NMEA. Contact the MAMEA Membership Secretary or NMEA Chapter Representative to take advantage of this membership discount. See you on the river!
Green Eggs & Sand
Where: Delaware National Estuarine Research Reserve, Kitts Hummock, DE

An innovative workshop experience and set of curriculum modules designed to explore the Atlantic Coast horseshoe crab/shorebird phenomenon and management controversy. The first workshop was launched in the spring of 2000 by aquatic education specialists from Delaware, Maryland and New Jersey in response to the escalating horseshoe crab management controversy on Delaware Bay. Many of the teachers participating in that inaugural workshop stayed on to help write, pilot and implement the lessons that form the heart of the Green Eggs & Sand curriculum. In the years since, interest in horseshoe crabs and Green Eggs & Sand has spawned workshops up and down the coast, serving educators from 25 states and four foreign countries. www.dnrec.delaware.gov/coastal/DNERR/Pages/DNERREducationTraining.aspx
Chesapeake Bay Laboratory Spring Science Seminar Series
CBL’s Bernie Fowler Lab, 142 Williams Street, Solomons, MD 20688
For more information visit: https://www.umces.edu/cbl/science-citizens

April 17, 2018 Solomons Island Bay Grasses
Presented by Dr. Jeremy Testa

April 24, 2018 DolphinWatch: Dolphins in the Chesapeake Bay
Presented by Dr. Helen Bailey

Project WILD, Project WET & Project Learning Tree Facilitator Session (Train the Trainer)
Monday, April 23, 2018, 9:00am-4:30pm
Location: 580 Taylor Ave, C-1, Annapolis, MD 21401

Are you interested in leading your own Project WILD, Project WET and/or Project Learning Tree workshops? To become a Maryland facilitator, you must have participated in the 6 hour educator workshop for each of the projects in which you want to become a facilitator. Verification will be required, and a pre-workshop "homework" assignment will be given. You may be certified in one, two or three of the available workshops. To register, please visit: https://goo.gl/forms/1H6R0EuffCgoeli2
Questions? Please contact Kerry Wixted: Kerry.wixted@maryland.gov

Volunteers Needed for the 5th Annual Clean Up at Mallows Bay Park - Saturday, April 28 at 10AM
Mallows Bay Park is located at 1440 Wilson Landing Rd, Nanjemoy, MD 20662. Additional information is available at http://trashnetwork.fergusonfoundation.org/event/3793/show. Participants can clean up either by walking the shoreline of Mallows Bay Park or on-water by bringing your own kayak or renting through a local outfitter (www.atlantickayak.com) who will provide rental delivery and pick up for the event.

Volunteers Needed for Oyster Planting Day on Tilghman Island - Saturday, June 2nd
Volunteers meet at Phillips Wharf at 8:00am, project concludes around noon with the option to go out on boats for planting the oysters on the oyster sanctuary. During this phase of the oyster restoration project volunteers will collect cages full of oyster shells seeded with spat (baby oysters) from private docks in the Tilghman Island area, and then cages will be taken to an oyster preserve in Harris Creek and “planted” at the site. Service learning credits are available for students, and volunteers must be at least 10 years old. Volunteers who are able to provide a vehicle for the transport of the oyster cages (pick up, trailer, or large SUV with tarps) are also appreciated. Breakfast snacks and lunch will be provided to volunteers. If you are interested in volunteering with this project, please email Marisa at marisa@pwec.org.

Maryland MAMEA members keep your eyes peeled for information regarding a joint DC Maryland mini-conference this spring!
Virginia Chapter

Kristen Sharpe
Virginia State Representative

Mini-Event Update

Save the Date! The 2018 Virginia Mini Event will take place from 9 AM – 3 PM on Wednesday, August 1 and will focus on the importance and the status of submerged aquatic vegetation (SAV) in the Chesapeake Bay! The workshop will be held at the Virginia Institute of Marine Science (VIMS) campus in Gloucester Point, and will include a demonstration of SAV-related activities for students of all ages, a short talk by a seagrass researcher at VIMS, lunch, and a boat trip out to beautiful Goodwin Island to participate in a seagrass snorkeling survey! All activities and resources from the workshop will be shared with attendees. Further details (including a more complete agenda and registration costs) will be included in a later edition of the Masthead, so stay tuned!
Resource Highlights

VA-SEA

Have you been searching for real marine science data and research methods to use in your classroom or interpretive center? Look no further than the resources provided by the Virginia Scientists and Educators Alliance (VA-SEA)! VA-SEA is a partnership between educators at the Virginia Institute of Marine Science (VIMS) and graduate students from VA Sea Grant-affiliated universities (including VIMS, Old Dominion University, and the University of Virginia). Fourteen graduate students participated in the pilot cohort of the program, resulting in high quality, teacher-tested and approved science lesson plans for use in middle and high school classrooms. The lesson plans focused on the research being done by the graduate students at their institutes. Lesson topics include (but are definitely not limited to) estimating the prevalence of American eel parasites, counting blue crabs in the Bay, examining gut contents of fishes, investigating the role of plastics as a habitat for bacteria and human pathogens, and learning about the electromagnetic spectrum by measuring algae. For the full VA-SEA lesson plan collection, visit www.tinyurl.com/VASEAlessons.

Virginia Water Educators Directory

This directory was assembled to strengthen and build the network of highly-trained educators throughout Virginia who support formal classroom teachers conducting successful Meaningful Watershed Educational Experiences (MWEES) at the elementary, middle, and high school levels. This online directory is the work of the Virginia Department of Environmental Quality and the Virginia Water Resources Research Center. To search for a water educator near you, visit http://www.vwrrc.vt.edu/virginia-water-educators-directory/.

Upcoming Events

VIMS After Hours Lecture Series

This monthly series of public lectures by scientists from VIMS and elsewhere explores hot issues facing the Chesapeake Bay and the ocean. The details of the 2018 After Hours series are still being developed; but lectures are generally scheduled for the last Thursday of the spring and fall months. Reservations to this free public lecture series are required due to limited space. Please register online (see individual lectures) or call 804-684-7061 for further information.

Not able to make it in person? Visit our registration pages to sign up to watch on-line! All After Hours lectures begin at 7 pm in McHugh Auditorium in Watermen's Hall on the VIMS campus in Gloucester Point. View directions and a campus map.
Discovery Labs are provided each month by the Chesapeake Bay National Estuarine Research Reserve (CBNERR). These labs provide fun, family-friendly opportunities to learn about the Chesapeake Bay and our local environment. Each lab focuses on a different topic and includes exhibits, demonstrations, and hands-on activities for kids and adults. Labs also include a short presentation by a topic expert.

**2018 SPRING/SUMMER SCHEDULE**

**APRIL 17: BE A BAY BUDDY!**
Come help us celebrate the 48th Anniversary of Earth Day at this special-themed Discovery Lab where we will be teaching new ways to live a more Bay-friendly lifestyle. At the lab, you will learn about the ways in which humans are affecting the Bay from student members of the VIMS Green Team. We will have eco-friendly activities, crafts, and information to share!

**JUNE 12: COLLECTIONS**
This lab will include collections of all kinds to observe – from plants, to insects, fishes, and mammals! We will also highlight the tools and methods that scientists use in collecting specimens. Dr. Eric Hilton of VIMS will join us to explain how scientists all over the world are using the VIMS Fish Collection in their studies!

**AUGUST 21: FEEDING FRENZY**
In this lab, we will investigate the variety of ways that animals in the Bay find and eat their food and how their mouths and teeth are best adapted for the job. Participants will also have the opportunity to hear from VIMS graduate student Kate Bemis, who calls herself a “fish dentist,” about how she is studying the teeth of the Mola mola (ocean sunfish).

CBNERR Discovery Labs take place from 6:00-8:00 PM at the Virginia Institute of Marine Science (VIMS) in Gloucester Point, Virginia. The speaker presentation occurs from 6:30-7:00 PM. While the labs are free, registration is required due to limited space.

Register at: http://www.vims.edu/cbnerr/education/public_programs/index.php
Save the Date!
Annual Mid-Atlantic Regional ROV Underwater Robotics Competition
Saturday, April 21, 2018 - 8 a.m.-4 p.m.
Old Dominion University Recreation and Wellness Center - Norfolk, Virginia

FREE! Teacher, Scout Leader, and Team Mentor Workshop at Nauticus!
Get Familiar with Remotely Operated Vehicles (ROVs) | Saturday, January 27, 2018 | 9 a.m.-1 p.m. | Limit 25

For more information and to register, contact:
Susie Hill, Nauticus Education Specialist/Special Programs Manager
(757) 664-1041 | rebecca.hill@norfolk.gov | marinetechnology.org

Nauticus
Featuring the Battleship Wisconsin
(757) 664-1000 • nauticus.org
VIMS Marine Science Day
Saturday, May 19th
10 am – 3 pm
Free Admission & Parking

VIMS Marine Science Day is fun and educational for all ages. Visitors can examine high-tech science equipment, tour a laboratory, collect and observe aquatic animals in the York River, and discover the importance of wetlands in VIMS’ Teaching Marsh. A cooking demonstration, mini-lectures, and hands-on activities take place throughout the day.

Virginia Institute of Marine Science, Gloucester Point Campus (just north of the Coleman Bridge)

For more information call 804-684-7061 or visit www.vims.edu/msd
North Carolina Rep Report

Andy Gould
North Carolina State Representative

Adaptation & Resiliency Along the Outer Banks
May 19, 2018
UNC Coastal Studies Institute
850 NC 345
Wanchese, NC 27981

Educators are invited to visit the Coastal Studies Institute (CSI) on Roanoke Island to investigate challenges facing coastal communities like the Outer Banks, and explore options for future sustainability. This program highlights research conducted in CSI’s Ocean Energy and Coastal Processes programs, and will investigate alternative energy uses and the changing shorelines of this barrier island. This experience will include on-the-water time on the Croatan Sound (weather dependent), engineering design, wave-tank observations and community planning. Participants will need to bring dry clothes, wear closed toed shoes and be dressed for the weather. Registration Deadline: May 11, 2018.

Agenda
9:00 Registration
9:30 Welcome and Introduction
9:40 Ocean Energy Overview
10:00 Wave Tank observations
10:30 Engineer an ocean energy device
11:15 Lunch and tour
12:15 Shoreline Change
12:45 Boat to islands to study shorelines
2:30 Sustainable design activity
3:30 Wrap up and adjourn

Registration Fee:
$25 per person for current MAMEA members
$35 per person for renewing or non-members
includes a 1 year MAMEA membership
There is a limit of 20 participants, first come first served.

To register, please visit:
2016/17 MAMEA Grantee Report

Carol Hopper-Brill  
Grants Committee Chair

The MAMEA Grants Committee awarded one educational project grant for the 2016/17 award cycle. Informal educator Andrew Wilson, Director of “Under the Sea” in Virginia and Glen Echo Park Aquarium in Maryland. A profile of Andrew was featured in last year’s Masthead, Vol. 37 (issue 1), as well as on the MAMEA website at: www.mamea.org/awardwinners.html.

2017/18 MAMEA Grantee Profile

Carol Hopper Brill  
Grants Committee Chair

After MAMEA’s November 2017 annual conference, the Grants Committee completed its review of proposals for the Educational Project Grant for 2017/18. The committee is pleased to announce a grant award for this year’s cycle.

The 2017/18 Education Project Grant for a Classroom teacher was awarded to Jason Vanzant, STEAM Instructor at Bogue Sound Elementary School in Newport, North Carolina.

Jason Vanzant’s pathway into education reflects his diverse interests and talents. Originally from Indiana, Jason started out at Purdue University, he focused on liberal arts, thinking about creating snappy advertising communications. But, during time in Perdue’s Child Development Center, the faculty saw his potential working with young learners and influenced his decision to move into education. He transferred to Indiana State University and received his Bachelor’s in education with a kindergarten endorsement. He has worked with elementary school students ever since, in Indiana and North Carolina, hitting all the grades and focusing more and more on helping students develop STEM skills. But, in a parallel track, Jason held positions at State parks that involved using many skills -- electrical, plumbing, grounds and trail maintenance and more. And, this breadth of experience may help explain his creativity and passion as a “maker, tinkerer and thinker.” Jason has been at Bogue Sound Elementary since 2007 and starting 2017, serves as the STEAM Instructor/Instructional Tech Facilitator. He absolutely loves his job and the potential it offers for opening up possibilities for students.

Jason’s project, the “Marine Biome Touch Tank,” is part of his larger vision to create a STEAM lab space where students engage in project-based activities. It began coming together with grant award from Lowe’s in 2017 (Lowe’s Educational Toolbox Grant) that allowed Bogue Sound Elementary to begin transforming an ordinary classroom space into an problem-solving laboratory for hands-on/minds-on science, technology, engineering, art and math activities. Next, Jason focused in on an element that would help students investigate North Carolina’s diverse aquatic life – an aquarium biome. To achieve this goal, he sought smaller grants from MAMEA and the Carteret-Craven Electric Coop, and advisory assistance from the Aquaculture Technology Center of Carteret Community College.

Situated next to an estuary, Bogue Sound Elementary is perfectly situated to host an estuarine biome. When completed, Jason’s MAMEA project will allow over 400 students, kindergarten through fifth grade to observe aquatic wildlife found in local North Carolina waters. But, more than that, the students themselves will have a role in making it happen. To help design and set up a healthy aquarium ecosystem, students will need to develop and practice skills in math, engineering and biology.
A self-identified tinkerer, Bogue Sound Elementary STEAM Instructor Jason Vanzant coordinates activities for learning and doing for students at his school.

Jason has outlined the following sequence of activities he has planned for the next year:

* Students research plant and animal species prevalent along the North Carolina coastline and within Bogue Sound to learn about habitats and biodiversity. Students will use what they’ve learned to plan a marine touch tank biome for the STEAM lab.

* Next, with assistance from the Aquaculture Technology Center of the Carteret Community College, students will help construct the biome. This requires putting their math and engineering skills into practice, measuring and calculating an area in the lab to house the unit, and participating in the assembly of the plumbing and filtration systems.

* Once the biome is assembled, students will learn how to maintain a healthy system. They will have to monitor water quality, tracking salinity, pH, nitrate and nitrite levels. They will receive training on the husbandry of organisms selected to live in their ecosystem, including feeding, as well as maintenance of cleaning the filtration system.

* Over time, as the biome and its inhabitants mature, Jason hopes this project-based approach to the biome will allow students to observe and collect data on the organisms, noting their classification, adaptations, and behavior, changes between juvenile and adult stages, and growth rate.

Jason plans evaluations of the project outcomes based on the knowledge and skills students acquire through the steps in the biome construction process. Students will be evaluated through reflections, presentations, and reports. And, students will have the opportunity to serve as educators during STEAM Lab showcases for the local community. For these expos, students will describe the importance of estuaries, share information about the current organisms hosted in the touch tank, explain the process for selection, handling and care of these creatures, as well as maintenance of the filtration and other systems.
2018/19 Educational Project Grant Cycle

Put Your Thinking Caps On!
Be Ready for MAMEA’s 2018/19 Educational Project Grant Cycle!

MAMEA will be looking for more great ideas to support in its 2018/19 grant cycle. So put your thinking caps on. Get your next educational project off the drawing board and into reality, engaging students or fellow educators. Be ready for the next round of MAMEA Educational Project grants - start working on your proposal now!

Two grants for up to $1,000 are available annually: One for formal educators (classrooms, K-16); and one for informal educators (museum, aquarium, zoo, science center, government agency staff). Projects must focus on marine or aquatic topics.

To be eligible, applicants must be current MAMEA members with at least one year’s membership. To be competitive, projects should meet the program structure described on the MAMEA Grants page at www.mamea.org/minigrant.html. To read about projects that have received MAMEA support in the past, see www.mamea.org/pastgrants.html.

Visit the Grants page on the MAMEA website for the grant application form, as well as important details about the application process and grantee responsibilities. Or, contact the Grants Committee Chair, Carol Hopper Brill at chopper@vims.edu. Proposals are accepted throughout the year, but the deadline for the 2018/19 cycle is September 15, 2018. Grant awards will be announced at the MAMEA conference in November 2018, and the funding period is 12 months, from November 2018 to October 2019, with no extensions.

NOSB Regional Bowls & MAMEA Coach Awards

Congratulations to the Mid-Atlantic’s 2018 National Ocean Science Bowl Teams

The Mid-Atlantic’s three regional competitions of the 21st annual National Ocean Sciences Bowl (NOSB®) attracted close to 200 high school science students in February. Guided by their teacher coaches, teams spent weeks building content knowledge in diverse marine sciences, policy and related topics. NOSB offers teachers an opportunity to incorporate more ocean-related science into their curricula, and allows them to demonstrate the integrated, multidisciplinary nature of marine sciences. Students explore ocean subjects and demonstrate their command of wide-ranging subjects in head-to-head competition with other teens.

• The Chesapeake Bay Bowl, held on February 3, was hosted by Delaware Sea Grant and the University of Delaware’s College of Earth, Ocean, and Environment at the University’s Hugh R. Sharp Campus in Lewes, DE. The contest drew twelve teams from four states including Delaware, Maryland, Pennsylvania, and Northern Virginia. Participating schools included: Newark Charter High School (Newark, DE); Liberty High School (Sykesville, MD); Montgomery Blair High (Silver Spring, MD); Lower Dauphin High (Hummelstown, PA); State College Area High School (State College, PA); Thomas Jefferson High School for Science & Technology (Vienna, VA); and Loudon Academy of Science (Sterling, VA). Capturing First Place for the third straight year was the team was from Montgomery Blair High School’s Blair Magnet Program in Silver Spring, MD, coached by science teacher Tran Pham. Over 50 volunteers contributed to the success of the Bowl. For more details on the CBB 2018 competition, visit the Bowl’s website at www.chesapeakebaybowl.org/ and the Chesapeake Bay Bowl’s Facebook page at www.facebook.com/ChesapeakeBayBowl. Or, contact 2018 Regional Coordinator Christopher Petrone at petrone@udel.edu.
For the third year in a row, the team from Montgomery Blair High School’s Magnet Program took top honors at the Chesapeake Bay Bowl, held at the University of Delaware’s Hugh R. Sharp Campus in Lewes, DE, on February 3. Coached by science teacher Tran Pham (far left), team members include (left to right): Anish Senapat; Laura Cui; Elliot Kienzle; Noah Singer; and David Wu. CBB Regional Coordinator, Chris Petrone, appears on the far right. Image courtesy of Christopher Petrone.

•Virginia’s Blue Crab Bowl is co-ordinated by the Virginia Institute of Marine Science’s Marine Advisory Program and Old Dominion University’s Department of Ocean, Earth & Atmosphere. Thanks to support from both VIMS and ODU, the 2018 contest was held February 2-3 at ODU’s Higher Education Center in Virginia Beach, Virginia. Seventy-five students, in 13 teams, represented nine Virginia high schools, including: Bishop Sullivan Catholic High School (Virginia Beach); Broadwater Academy (Exmore); Chesapeake Bay Governor’s School, Glenns Campus; Chesapeake Bay Governor’s School, Warsaw Campus; Churchland High School; Isle of Wight Academy; Maury High School (Norfolk); Seton School (Manassas); and York High (Yorktown). Seventy volunteers worked to officiate the Bowl and keep the event running smoothly. This year, Seton School dominated the top four trophy slots. Seton Team A, coached by Tricia Kellogg, captured First Place, while Seton Team B, with coach Hank Konstanty, scooped up Second Place. Long-time winner Bishop Sullivan Catholic High School, under coach Carol Stapanowich, took Third Place. And, Fourth Place went to Chesapeake Bay Governor’s School, Glenns Campus Team A, coached by Sara Beam. For a description of the competition and event program, visit the Blue Crab Bowl website at: http://web.vims.edu/adv/bcb/index.html. The BCB Regional Coordinators are: Carol Hopper Brill at chopper@vims.edu; and Victoria Hill at vhill@odu.edu.

Students from Seton School’s Team A captured First Place after a day of grueling intellectual competition at the 2018 Blue Crab Bowl, Virginia’s 21st Regional National Ocean Sciences Bowl. The all-day academic event was held at Old Dominion University’s Higher Education Center in Virginia Beach on February 3. Coached by Tricia Kellogg (holding 1st Place packet), team members included (left to right): Sean Kellogg; Team Co-Captain Joseph LaVigne; Benjamin Dealey; Martin Quinan; and Team Co-Captain Regina Terreri. Photo by Phil Kellogg.
The Blue Heron Bowl, held February 17, took place at the University of North Carolina at Wilmington, hosted by UNCW Center for Marine Science and the Watson School of Education. Among the 14 participating teams, the team from the North Carolina School of Science & Mathematics in Durham rose to First Place for a second year. Coached by Amanda Martyn (not pictured), team members include (left to right): top row -- Shiv Patel; Vattel Bhat; Michael Zhang; and front row -- Vincent Xia and Kelly Wang. Photo courtesy of Erin Moran.

This year, North Carolina’s Blue Heron Bowl took place at the University of North Carolina at Wilmington, hosted by UNCW Center for Marine Science and the Watson School of Education. Fourteen teams, drawn from nine schools in North Carolina and one in Tennessee, competed at UNCW on February 17. Participating schools included: Ashley High School (Wilmington); Cape Fear Academy (Wilmington); Dobyns Bennett High School (Kingsport, TN); East Chapel Hill High School (Chapel Hill); Hoggard High School (Wilmington); NC School of Science & Math (Durham); Raleigh Charter High School (Raleigh); Southside High School (Chocowinity); Walter Williams High School (Burlington); and White Oak High School (Piney Green). For the second year, the North Carolina School of Science & Mathematics from Durham, coached by Amanda Martyn, dominated First Place. In keeping with the 2018 NOSB Theme, Oceans Shaping Weather, the event’s keynote speaker was Warning Coordinator for NOAA’s National Weather Service in Wilmington. For additional information on the competition, contact Regional Coordinator Erin Moran at morane@uncw.edu. Results will be posted on the Blue Heron Bowl website at https://sites.google.com/site/blueheronbowl/ and the Blue Heron Bowl Facebook page: https://www.facebook.com/pages/Blue-Heron-Bowl/142146289175250.

MAMEA Recognizes New Coaches and Top Coaches of Mid-Atlantic NOSB Competitions

Each year, MAMEA is pleased to recognize the hard-working coaches who prepare students for participation in the Mid-Atlantic regional NOSB competitions. To acknowledge the effort of teachers new to the competition, MAMEA awards a one-year membership which helps link these teachers to MAMEA’s active community of marine and aquatic educators. To recognize the accomplishments of the Bowls’ winning coaches, the MAMEA Top Coach awards provide complimentary registration to MAMEA’s Fall Conference.

Please, welcome these 2018 NOSB Mid-Atlantic New Coaches as MAMEA members:

• Blue Crab Bowl:
  Livia Gong, Chesapeake Bay Governor’s School, Glenns Campus, Glenns, VA
  Liz Hobson, Maury High School, Norfolk, VA
  Melissa Wade, York High School, Yorktown, VA

• Blue Heron Bowl:
  Brandon Dillman, White Oak High School, Jacksonville

• Chesapeake Bay Bowl:
  Dr. Linda Gantz, Loudoun County Academy of Science, Sterling, VA
Please, congratulate the Top Coaches from our three Mid-Atlantic Bowls. They receive complementary registration to the MAMEA Annual Conference. We look forward to seeing them at the 2018 Conference in Portsmouth, VA, this coming November.

* Blue Crab Bowl: Tricia Kellogg, Seton School, Manassas, VA
* Blue Heron Bowl: Amanda Martyn, NC School of Science & Mathematics, Durham, NC
* Chesapeake Bay Bowl: Tran Pham, Montgomery Blair High School, Blair Magnet Program, Silver Spring, MD

For more information about the National Ocean Sciences Bowl, as well as great up-to-the-minute news about marine research and policy issues, visit the NOSB website at www.nosb.org or the NOSB Facebook page at www.facebook.com/nosb.org.

**Paul Standish Conference Scholarships**

Each year, MAMEA awards up to five Paul Standish scholarships to MAMEA members who are interested in attending the MAMEA conference. The scholarship covers up to $300 of expenses directly related to participation in the conference. Conference scholarships are given as reimbursements after attending the conference.

This year, we are excited to announce the *NEW* Expanding Audiences conference scholarship. This scholarship will support individuals new to MAMEA in an effort to increase the diversity of our membership. This may include diversity within race, ethnicity, gender, marine/fresh, formal/informal, early/late career, and entry level to executive level. The intent is to support qualified individuals to share their experiences, and perspectives through active participation in the MAMEA annual conference, and through continued participation within the organization.

The scholarship will cover up to $400 of conference expenses. Start thinking of someone you may want to nominate for this scholarship! Please check the website for more information at mamea.org/scholarship.html.

Scholarships will open in late summer, and will be due in September. If you have any questions about the application process, please contact Sarah Nuss at mcguire@vims.edu.

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**2017-2018 BOARD OFFICERS**

President: Lauren Albright
National Aquarium in Baltimore

Past President: Christopher Petrone
University of Delaware & Delaware Sea Grant

President-Elect: Carrie Carlin
Atlee High School

Secretary: Carol Hopper-Brill
Virginia Institute of Marine Science

Jackie Takacs
University of Maryland & Maryland Sea Grant

**2017-2018 STATE REPRESENTATIVES**

Delaware: Christopher Petrone (interim)
University of Delaware & Delaware Sea Grant

District of Columbia: Allie Toomey
PBS Education

Maryland: Evan Beatty
Deer Park Magnet Middle School

North Carolina: Andy Gould
North Carolina Aquarium at Fort Fisher

Virginia: Kristen Sharpe
Chesapeake Bay National Estuarine Research Reserve in VA

The MAMEA Board meets twice a year. For more information visit: http://www.mamea.org/board.html