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From the Captain's Quarters

Happy Winter to the Mid-Atlantic Marine Education Association!

I hope that everyone is enjoying our winter as we freeze one day and wear shorts the next. I am reminded that even the winter is a wonderful time to enjoy the outdoors from listening to personal experiences and stories shared by friends recently.

"Be sure to get outside & enjoy this beautiful season - you never know what you’ll see!"

- Kathy Fuller

A friend of mine recently shared his experience and a series of photos of his pursuit of a muskrat that he tracked in the freshly fallen snow! Another friend shared with me her whale watching success off Virginia Beach! I was even lucky enough to go bird watching with Greg Kearns at Patuxent River Park a few weekends ago and we witnessed young bald eagles hunt for wintering ducks as adult eagles prepared their nest! Be sure to get outside and enjoy this beautiful season - you never know what you’ll see!

MAMEA has an active calendar for 2013. The mid-year MAMEA Board meeting is scheduled for Saturday, April 27 in Lake Anna, VA. Feel free to contact me if you would like to attend or learn more about serving on the MAMEA Board. The NMEA 2014 Conference Planning Committee is hard at work putting together the NMEA 2014 Conference in Annapolis, MD. I hope to see you at the NMEA 2013 conference in Mobile, AL this July. The state representatives have been working on setting up events in their areas, and President-elect, Sarah McGuire has been working on our Annual Conference for this fall. Be sure to review this edition for the latest on these upcoming opportunities!

Best,

Kathy Fuller
MAMEA President
NMEA Conference Updates

2013 Conference

The Southern Association of Marine Educators (SAME) is hosting the 2013 NMEA in beautiful Mobile, AL from July 22-26, 2013. The call for papers opened on January 31 and will be open until March 15th. The five special topics for contributed sessions include:

- Combating Nature Deficit Disorder
- Ocean Change
- Science, Technology, Engineering, & Mathematics (STEM)
- Teaching Across Diverse Perspectives
- Education, Research, and Evaluation

For more information on the 2013 NMEA Conference please visit nmea.disl.org.

2014 Conference

Planning continues for the 2014 NMEA National Conference. The conference will be held at the Loews Annapolis Hotel in Annapolis, MD from July 21-25, 2014. The Conference Planning Committee had a very successful meeting in Annapolis on January 5 and the expectation is that there will be an announcement on conference speakers in the coming months.

The Conference Planning Committee is currently looking for items to be auctioned off at the 2013 and 2014 annual NMEA conferences. The committee is especially looking for items that can be auctioned off at the 2013 conference to raise anticipation for the National Conference. The committee is hoping to get auction donations from all the states represented in MAMEA. Proceeds from auction items go to support the conference scholarships. If you would like to donate an item or if you would like more information please contact David Christopher, Archives Committee Chair, at dchristopher@aqua.org or 410-576-8799.
MAMEA Conference Update: Save-the-Date

Celebrate the 35th Anniversary of MAMEA!

Join marine educators from the Mid-Atlantic region as we look back and into the future of marine education at the 2013 MAMEA conference to be held on the campus of the Virginia Institute of Marine Science (VIMS) in Gloucester Point, VA. The conference will take place from November 1-3, 2013. Through invited speakers, concurrent sessions, and field trips, you’ll have time to catch up with old friends, meet new ones, and learn about marine education resources and ideas to take back home. More details on field trips, conference events, and lodging coming soon to MAMEA website (www.mamea.org).

For more information about the regional conference please contact Sarah McGuire, MAMEA President-elect, at mcguire@vims.edu or 804-684-7878.

Featured Creature

Lovenia heart urchin, Lovenia elongata

Here is a featured creature in honor of the month of love! The heart urchin is an echinoderm found in all oceans of the world and prefers to live in burrows lined with mucous. Their heart-shaped body has an internal skeleton and is covered with long spines, short spines, tentacles, and tube feet.

Please submit ideas for featured creatures to Ann McElhatton, Masthead Editor, at info@beachchairscientist.com.

Image (c) wildsingapore.com
Awards Committee Update

August 31, 2013 Deadline for Award Submissions

It’s not too early to nominate a deserving educator for a 2013 MAMEA award! Each year, MAMEA presents two awards to educators nominated by their peers. One award honors a formal classroom teacher (grades K-16). The other acknowledges an educator in an informal setting (e.g., museum, aquarium, or employees with government agencies). Submissions for the 2013 awards are due by August 31, 2013. The winners will be announced at the conference in November. Applications, guidelines, and eligibility requirements are available online at www.mamea.org/awards.html. Review profiles of past award recipients at www.mamea.org/docs/MAMEA_AwardWinnerProfiles.pdf. For more information please contact Megan Ennes, MAMEA Awards Committee Chair, at megan.ennes@ncaquariums.com.

Grants Committee Update

2013-2014 Grant Awards Available

Have a great educational project that engages students and educators but needs funding? A MAMEA grant may be just what you need to get your project off the ground! Start working on your proposal now to be ready for the next round of MAMEA educational project grants! To be eligible applicants must be current MAMEA members with at least one year’s membership.

Two grants for up to $1,000 are available annually. One is set aside for formal classroom teachers (grades K-16) one for informal educators (e.g., museum, aquarium, or employees with government agencies). Projects must focus on marine or aquatic topics. Applicants are encouraged to plan innovative projects that meet the program structure. Proposals are accepted throughout the year. To be awarded for the 2013-2014 funding cycle the deadline for submission is September 15, 2013. Grant awards will be announced at the MAMEA Regional Conference in November 2013.

For more information on the program structure outlined by MAMEA, the application form, details on the application process, as well as grantee responsibilities please visit web.vims.edu/mamea/minigrant.html. Review past grant recipients at www.mamea.org/pastgrants.html. For more information please contact Carol Hopper Brill, Grants Committee Chair, at chopper@vims.edu.

Social Media Segment

Did you know MAMEA has a Facebook page?

Click ‘Like’ at www.facebook.com/teachmamea to stay up date on deadlines for events, read updates on what members are up to at their organizations or schools, and see fun pictures to spark your curiosity!

Are you on Twitter?

Here are 10 handles that you might be interested in following for the latest and greatest in marine science news and education!

@ChesapeakeBay
@NatlAquarium
@NickMallos
@OurOcean
@ScioOceans
@DESeaGrant
@NatlMarineEd
@OceanPortal
@PewEnvironment
@TeacherAtSea

Are you on Pinterest?

Here is a featured board on ‘Ocean Valentines’ to keep the spirit of love for the oceans inspiring you throughout the year!

pinterest.com/coast4u/ocean-valentines

Please submit ideas for featured Facebook pages, Twitter handles, or Pinterest boards to Ann McElhatton, Masthead Editor, at info@beachchairscientist.com.
State Chapter Updates

Delaware

1) Delaware Sea Grant Professional Development Opportunities
Delaware Sea Grant is pleased to offer several professional development opportunities for formal and informal educators this summer. Topics include climate science, invasive species, and field trip opportunities for students. If you are interested in learning more about these workshops, please check periodically at the Delaware Sea Grant website (www.desseagrant.org/outreach/education), follow Delaware Sea Grant on Facebook (www.facebook.com/deseagrant), or contact Chris Petrone (petrone@udel.edu).

2) Climate Change Science Workshop
This workshop is designed to directly benefit science teachers (grades 5-8) by preparing them to effectively deliver STEM concepts to their students, using a current issue to frame field and lab work focused on scientific inquiry, data collection, and data interpretation. Participants will explore what sea level rise would mean for Wilmington’s Riverfront and survey the aquatic biodiversity of the marsh to learn what is at stake. Teachers will conduct a science experiment that demonstrates the greenhouse effect and examine what can be done to reduce the effects of global climate change.

WHEN: March 13, 2013
TIME: 4:30pm – 7:30pm
WHERE: DuPont Environmental Education Center (1400 Delmarva Ln., Wilmington, DE 19806)
INSTRUCTOR: Lesley Bensinger, Education Coordinator, DuPont Environmental Education Center
CREDIT: 3 Hours
REGISTRATION: Through the Delaware Teacher Center please call 302-736-6723 or 800-282-8770 for more information.

3) Mini-Conference Survey
Thank you to everyone who filled out the Delaware MAMEA Mini-Conference survey. The feedback was very helpful in narrowing the list of possible activities. Please stay tuned to the MAMEA listserv and Facebook page (www.facebook.com/teachmamea) for more information. The most likely timing of the Delaware miniconference will be either the first or second weekend of June 2013. The event will be open to all mid-Atlantic educators, with priority given to those who reside in or teach in Delaware. If you are interested in taking the brief Mini-Conference survey, please visit https://delaware.qualtrics.com/SE/?SID=SV_6m5ftYHchuUnOd.

District of Columbia

1) Teacher Workshops at the National Aquarium in Washington, DC
The National Aquarium in Washington, DC will be continuing upon the success of the popular workshops carried this fall. Space is limited to 12 participants for each session. Sessions are filled on a first-come, first-served basis. Early application is encouraged. More information and registration materials can be found at www.aqua.org/learn/teacher-programs/teacher-workshops#a2.

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State Chapter Updates
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The line-up for this spring includes:

**Feb. 23 – Aliens Among Us: Invasion Ecology**
Workshop participants will learn about some local introduced and invasive species and the problems they present. What is the difference between an introduced species and an invasive species? What can be done about the problem? Lesson plans on invasive ecology will be shared and demonstrated.

**March 2 – Watershed Dynamics**
Participants will receive an overview of watershed science including biological, chemical, and physical properties of rivers and streams. In addition, we will work with topographic maps and how to use them in the classroom. Participants will receive lesson plans to help incorporate more watershed dynamics into their classrooms.

**April 6 – Sex in the Sea**
Aquatic animals exhibit many interesting adaptations for survival. When it comes to reproduction, the adaptations are as varied and strange as you can imagine. How and why do fish change sex? Why do male seahorses give birth? Is it true that a lot of animals live to reproduce and then die? Answers to these and many other questions will be explored in this new workshop to help you answer some of those questions your students may ask!

**May 4 and 11 (2-day workshop) – Aquatic and Marine Science for Today’s Classroom Teacher**
Among the topics you will explore are:
• Diversity of life
• Freshwater and marine ecosystems
• Major animal groups
• How to incorporate marine and aquatic science into your curriculum
• How to utilize the National Aquarium as a classroom resource
• Other resources that are available and how to use them

**2) Costa Rica – Showcase of Conservation**
Join Bill Simpkins, Director of Education for the National Aquarium in Washington, DC, on a 9 day trip to explore the wilds of Costa Rica from July 9-18, 2013. Space is limited and will be filled on a first-come, first-served basis. Non-educators are welcome to join us. More information can be found at [www.aqua.org/learn/teacher-programs/teacher-workshops#a3](http://www.aqua.org/learn/teacher-programs/teacher-workshops#a3).

Highlights of the trip will include:
• 3 nights of working with the Sea Turtle Conservancy doing green sea turtle tagging, measuring, and observing in Tortuguero National Park
• Explore rainforests, cloud forests, and the Arenal Volcano
• Relax in the hot springs of Tabacon
• Have fun learning about how to incorporate the experience into meaningful lessons for your students

**3) Team Prepares for NMEA Evening Events in DC**
A subcommittee of the NMEA 2014 conference met to discuss options for having an evening in DC, as well as field trips for the conference hosted by MAMEA. The working team was comprised of Trish Mace (National Museum of Natural History), Sharon Cooper and Jennifer Collins (Consortium for Ocean Leadership), and Bill Simpkins (National Aquarium). Jennifer represented the team at the January planning meeting and plans are under way to host an evening event in DC. More details will be coming later, but it is good to have a working team in DC to put this together!

Maryland

**1) Maryland Mini-Conference and Teacher Sleepover**
Calling all classroom, home school teachers, and informal educators for grades K-12! Pack your sleeping bag for the annual Mini-Conference and Sleepover at the National Aquarium in Baltimore. Spend an enriching evening exploring the sights, sounds, and behaviors of the Aquarium’s inhabitants. Participants will gain an understanding of how many of our everyday resources come from (continued on page 7)
State Chapter Updates

(continued from page 6) the ocean or depend on its health. Discussions and activities will give an overview of these vast resources and explain how human impacts are affecting future supplies. Registration deadline is March 1, 2013.

WHEN: March 15-16, 2013
TIME: The event begins at 5:00pm on Friday, March 15th. Please plan on arriving by 4:45pm to ensure that you are included in all of the activities. The event concludes at 9:00am on Saturday, March 16th.
WHERE: National Aquarium (501 East Pratt St., Baltimore, MD 21202)
COST: $65 per person, $55 for MAMEA members. Includes a behind the scenes tour, all of the evening and morning events, teaching materials, evening snacks and beverages, bag raffle tickets, breakfast, and one-year membership for all new and renewing MAMEA members. Dinner on March 15th is on your own.
REGISTRATION: Contact the National Aquarium at 410-576-3833 or email reserve@aqua.org

2) Osprey Banding Excursion
Due to the popularity of Greg Kearns’ osprey themed general session at the 2012 Regional Conference Kathy Fuller has booked an osprey banding excursion for MAMEA members on Saturday, June 29, from 8:30am - 12:00pm at Patuxent River Park in Upper Marlboro, MD. During this hands-on opportunity, you will get to hold osprey chicks and collect data to track the chicks and learn more about the osprey population. Kathy Fuller will send out additional information, including how to register, closer to the date of the event.

North Carolina

1) Project CATCH Workshop
Project CATCH (Caring for Aquatics Through Conservation Habits) is an education program focusing on aquatic environments through fish studies, outdoor ethics, water safety, and fishing skills. It is open to all interested educators including school teachers, park, nature center and camp personnel, scout leaders or anyone who is interested in fishing. Participants will receive the CATCH activity guide and qualify for CEU and NC OEE credits. Participants must be ages 16 and up.

WHEN: February 21, 2013
TIME: 9:00am – 3:30pm
WHERE: Greenville, NC
COST: There is no charge for this workshop
REGISTRATION: To register please visit www.active.com/page/Event_Details.htm?event_id=2080539&assetId=711fc4bb-4ba5-485c-b1d5-7fc7d3da2d8 or Contact Christopher Horrigan at CHorrigan@GreenvilleNC.gov or 252-329-4562.

2) Watershed and Stream Studies: A Day of Field Experience
The University of North Carolina (UNC) Institute for the Environment and the UNC Carolina Center for Educational Excellence is pleased to invite teachers of grades K-12 to a day of hands-on exploration of the stream and watershed! With all the great water curricula and resources available to teachers, here is an opportunity to go to the stream with professionals, use the equipment, and become more comfortable with stream monitoring methodology. There will be sessions on using topographic maps to delineate your watershed, using water monitoring equipment, measuring stream cross-sections and stream flow, and exploring stream habitats. Please register by April 12th. Space is limited to 24 participants. If you have questions please contact Betsy Kemper at bkemper@nc.rr.com.

WHEN: May 10, 2013
TIME: 9:00am – 4:00pm
WHERE: Chapel Hill at the UNC CCEE (9201 Seawell School Rd., Chapel Hill, NC 27516)
COST: There is no charge for this workshop
CREDIT: 7 hours of professional development
REGISTRATION: Please visit unc.qualtrics.com/SE/?SID=SV_1AdiJTE0JY6PIKI (continued on page 8)
State Chapter Updates

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Virginia

1) Call for Up to Date Emails!
If you are reading this update and have not received an email from Virginia State Representative Carrie Bateman, it means she doesn’t have your most up to date email address. Please take the time to email her at cbateman@beps.us if you have not received any of her emails. This will help her get the word out on our upcoming events and interesting information.

2) 2013-2014 Science Competitions Seeking Sponsors
Are you a teacher or educator looking for ways to engage your students in science education? Are you forever looking for scholarship opportunities to provide to your students? Please consider sponsoring your school in the following two science competitions next school year. As a coach for both competitions, Carrie Bateman can attest that her students love this opportunity and she sees that not enough schools are taking advantage of this great opportunity – so why not you? The U.S. Department of Energy (DOE) National Science Bowl is a nationwide academic competition that tests students’ knowledge in all areas of science. High school and middle school students are quizzed in a fast paced question-and-answer format similar to Jeopardy. Competing teams from diverse backgrounds are comprised of four students, one alternate, and a teacher who serves as an advisor and coach. For more information please visit science.energy.gov/wdts/nspb/.

The Virginia Blue Crab Bowl is an academic competition where students answer multiple-choice, short-answer, and long-answer analytical questions drawn from scientific and technical ocean science disciplines. Topics covered include biology, chemistry, physics, geology, as well as maritime history, marine policy and current events. Bowl officials and judges manage the matches and rule on answer acceptability. For more information please visit web.vims.edu/BCB/index.html.

3) Virginia Marine Debris Summit
The Virginia Marine Debris Summit will engage professionals from governments at all levels (federal, state, and local), nonprofits, community groups, industry, and academia who work to prevent and mitigate the litter and waste that degrades our coastal and ocean waters. Together they hope to identify and review the sources and impacts of marine debris in Virginia and then develop and prioritize solutions for each type of marine debris. These cooperative solutions could include new ways to educate people and change their behaviors, motivate people through new incentives, as well as develop innovative products and technologies that help the marine environment. Preventing the millions of pounds of marine debris that enter coastal waters each year - debris that flows into our tidal rivers, the Chesapeake Bay, and ultimately the Atlantic Ocean - will have positive local and global impacts on our fisheries, tourism, health and economy. This summit is the first step towards the formulation of a Virginia Marine Debris Management Plan. The registration deadline is February 15, 2013.

WHEN: February 27-28, 2013
TIME: The Summit will begin on February 27 at 8:15am and end at 3:00pm on February 28
(continued on page 9)
State Chapter Updates

4) Winter Naturalist Weekend: Weekend Coastal Ecology Course

Come explore the natural winter wonderland that is the Eastern Shore of Virginia! Over the weekend participants will uncover the exciting world of winter bird migration as they bird on Assateague Island, learn how to identify plants in the winter without their tell-tale foliage during a hike through our maritime forest, discover the wonders of the winter night sky from the winter solstice to constellations visible only during the winter months, observe some of the winter beach differences first-hand on Wallops Island, and shell in some of the best winter shelling territories on the Eastern Shore! This workshop is for educators and naturalists age 21 and older.

**WHERE:** Virginia Aquarium & Marine Science Center (717 General Booth Blvd., Virginia Beach, VA 23451)
**COST:** $55.00
**REGISTRATION:** [www.eventbrite.com/event/5217987140#](http://www.eventbrite.com/event/5217987140#)

5) Bring Your Own Bucket Critter Collection

Want to set up an aquarium in your classroom but don’t know how or where to collect the critters for it? The Chesapeake Bay National Estuarine Research Reserve (CB-NERRVA) in Virginia is holding a ‘Critter Collection Day’ at the Virginia Institute of Marine Science on Sunday, April 7th from 2:00pm-4:00pm. Education staff will lead a short information (continued on page 9)
session on estuarine aquarium keeping, classroom experiments using aquaria, and safety instructions for the collection exercise at 2:00pm. All teachers must attend this training once before collecting animals for their aquaria. Collect hardy critters that will work well in small 10-20 gallon classroom aquaria. Please note, this collection day is not suited for those looking to fill large greater than 50 gallon aquaria!

**WHEN:** April 7, 2013

**TIME:** 2:00pm - 4:00pm

**WHERE:** Virginia Institute of Marine Science (1375 Greate Rd, Gloucester Point, VA 23062)

**REGISTRATION:** If interested in registering, contact Sarah McGuire at mcguire@vims.edu.

### 6) 21st Century Community Learning Centers

The 21st Century Community Learning Centers (Title IV, Part B) program supports the creation of opportunities for academic enrichment during non-school hours for children, particularly students who attend high-poverty and low-performing schools. The program helps students meet state and local standards in core academic subjects (e.g., reading and mathematics), offers students enrichment activities that complement regular academic programs, and offers literacy and other educational services to the families of participating children. See the website at [www.doe.virginia.gov/federal_programs/esea/title4/part_b/index.shtml](http://www.doe.virginia.gov/federal_programs/esea/title4/part_b/index.shtml).

If you have an upcoming event that you would like to share with MAMEA members please submit relevant details, including:

- who is hosting
- who is sponsoring
- where
- when
- cost
- credits
- significance

to Ann McElhatton, Masthead Editor, at info@beachchairscientist.com.

### Always Happy for Masthead Feedback

I hope you all enjoyed this edition of the Masthead from me, Ann McElhatton - the new editor of the Masthead. If we didn’t have a chance to meet at the regional conference this fall in Cambridge, MD, let me take the time to introduce myself. I have been the Program Manager for a fisheries data collection program, the Atlantic Coastal Cooperative Statistics Program ([www.acssp.org](http://www.acssp.org)), since 2008. This position affords me the opportunity to delve into science communication. However, much of my background is in environmental and marine science education. So about four years ago, I started a blog ([www.beachchairscientist.com](http://www.beachchairscientist.com)) as an outlet for my EE/marine science conservation.

Please feel free to email comments, questions, or concerns about the blog or this issue of the Masthead to info@beachchairscientist.com. After all, this newsletter is for YOU, the members of MAMEA! Remember, the most recent edition can be found online at [mameamasthead.wordpress.com](http://mameamasthead.wordpress.com).
Research Update

1) Hurricane Sandy Time-lapse Video
A full moon and Hurricane Sandy spelled near-record flooding in Lewes, DE, as documented in a time-lapse video by Delaware Sea Grant. The video shows tidal waters and Sandy-driven storm surge cover — and retreat from — East Savannah Rd. over three days. The video and a similar one from an October 2011 northeaster will be used to educate people about storms and their related tides.
http://www.udel.edu/udaily/2013/nov/sandy-flooding-video-110712.html

2) Forage Fish Important for All
Did you know that millions of tiny Atlantic menhaden swim in the Chesapeake Bay and are the favorite menu item of rockfish? A study of Atlantic menhaden will help identify balance between fishing and preserving this Chesapeake Bay forage fish. Menhaden are also at the heart of a major fish oil industry on the East Coast. However, their numbers have been declining. Thanks to a grant from the Lenfest Ocean Program, renowned fisheries scientists from the University of Maryland Center for Environmental Science will investigate the balance between fishing for menhaden and the value of the fish in the ecosystem. The goal is to help develop fishing management guidelines to ensure that this tiny but mighty species, whose population is currently at its lowest point in more than 50 years, survives and thrives along with the other Bay creatures that depend on them.

3) Saying goodbye to an old friend, R/V Cape Hatteras returns from her final voyage
On January 30, 2013, the research vessel Cape Hatteras made her final voyage through the Beaufort Inlet to dock at Pivers Island in NC. The Cape Hatteras served as the flagship of the Duke and University of North Carolina Oceanographic Consortium for 31 years. During that time she logged more than 5,000 days at sea over the course of hundreds of research cruises.
http://www.southernfriedscience.com/?p=14367

4) Seagrass Dispersal Owes a lot to Animals
A recent study reveals that marine animals contribute to seagrass dispersal. Sarah Sumoski, a recent graduate of the Virginia Institute of Marine Science, has published this study (appears as the featured article for the December 19th issue of Marine Ecology Progress Series) illustrating that seed dispersal in the eelgrass beds of Chesapeake Bay is caused by marine animals.
http://www.vims.edu/newsandevents/topstories/seed_dispersal.php
10 Featured Resources

1) Community Education Programs - Florida
The Guana Tolomato Matanzas National Estuarine Research Reserve offers a variety of free weekly Community Education Programs via webinar. www.gtmnerr.org/events.htm

2) Endangered Species Act 40th Anniversary
The U.S. Fish and Wildlife Service, co-administrator of the Endangered Species Act (ESA) with NOAA Fisheries, has kicked off their ESA 40th celebration. The website features 'This Day in History', 'Media Kit/Resources', 'Know Your Species', and more. www.fws.gov/endangered/ESA40/index.html

3) Fish and People
Fish and People is a five module video education series with accompanying lesson plans and teaching resources featuring the Solomon Islands. It uses animation to visualize invisible life cycle and fishery management concepts. vimeo.com/channels/fishandpeople/56892703

4) Living Oceans Foundation Education Materials
The Living Oceans Foundation conducts coral reef research expeditions and offers real-time access to coral reefs and coral reef health to educators, students, parents, and the public. www.livingoceansfoundation.org

5) Marine Science Education: A New Wave of Learning
A new teacher resource guide for K-8 formal and informal educators who would like to add a little marine science spice to their curricula! Features 25 easy-to-read and follow lesson plans divided into eight units on topics ranging from marine species to pollution to barrier island movement and erosion. www.amazon.com/Marine-Science-Education-Wave-Learning/

6) Ocean Acidification Antarctic Cruise
Follow along a five-week expedition to the Antarctic aboard the RRS James Clark Ross while scientists study the impact of the changing chemistry on marine organisms and ecosystems, on the cycling of carbon and nutrients in the sea, and on how the sea interacts with the atmosphere to influence climate. www.antarcticoacruise.org.uk/sample-page/

7) Ocean Literacy Summit Materials
The Northeastern Regional Association of Coastal and Ocean Observing Systems has compiled materials from the 2012 Ocean Literacy Summit. neracoos.org/OLSummit2012

8) Sealtag
A website featuring research and remote monitoring technologies used to study Stellar sea lions and engage students in grades 6-12! The website offers a hands-on STEM curriculum aligned to Ocean Literacy Principles and Science Content Standards. Activities include learning how your cell phone acts like a transmitter, designing a seal tag, animal crime scene investigations, and more. sealtag.org/TeacherToolbox.html

9) Sound Health Blog
The Sound Health blog is set up to discuss water quality, coastal and animal populations, climate, habitats, and land use in and around the Long Island Sound. The blog is administered by Dr. Jason Krumholz, a marine scientist serving as NOAA liaison to the EPA Long Island Sound Office. longislandsoundstudy.net/category/media-center/ask-dr-k/

10) Southern Fried Science
The bloggers at Southern Fried Science are a team of scientists who love the ocean, science, conservation, philosophy, education, and outreach. www.southernfriedscience.com

Please submit ideas for featured resources to Ann McElhatton, Masthead Editor, at info@beachchairscientist.com.