



Letter from the President

Dear SENEME Members:

Many may know the story of *Limulus polyphemus*, but I can't help but offer it up again as the June full moon approaches, and along with it, the hope that we may catch a glimpse of these creatures across New England shores. Named by the "father of taxonomy," Carl Linnaeus (1707 – 1778) dubbed the horseshoe crab "Limulus", meaning "oddly shaped, oblique, or askew", and "polyphemus" for the Greek one-eyed giant, son of Poseidon, some suggest because of the roundness of the simple eyes lining the base and front of the exoskeleton. They are found from Maine to Mexico and have inhabited earth's seas for the last 450 million years, remaining fairly unchanged. One has to marvel at its enduring survival. It stands alongside other living fossils such as the koala, nautilus, or platypus to name a few. This could be on the same level, I suppose, with "if it ain't broke, don't fix it." Though, lest we get too complacent about its long-time standing through geologic time, the marked decrease in local numbers reminds us that even the worthiest of creatures are not immune to human impact. Horseshoe crabs are used in the biomedical field. Their blue, copper-rich blood has the unique ability to serve as a clotting agent to indicate human pathogens. Once used widely for fertilizer, they are also now used for bait in the American eel and conch fisheries. The Atlantic States Marine Fisheries Commission has been regulating their catch for the last 15 years. Although horseshoe crab populations seem to be faring well elsewhere along the Atlantic coastline, local numbers are down, and scientists aren't quite sure why. For marine educators, this is a story of natural history, intriguing biology and taxonomy, biomedical research, conservation, policy, and discovery that we can share with our students, and perhaps, inspire some future marine scientists to help solve the puzzle. Mating season will go by quickly but offers an amazing opportunity to enjoy horseshoe crabs in their natural environment, and for many, to get to meet them for the very first time (see p. 10 for more information about guided horseshoe crab walks).

On April 25th, SENEME held the 11th biennial Long Island Sound Educators Conference, at The Maritime Aquarium at Norwalk with keynote speaker, Dr. Charles Yarish, UCONN Professor in the Department of Ecology & Evolutionary Biology and Department of Marine Sciences, and pioneer in the field of seaweed cultivation. Thanks to our robust team of presenters and exhibitors, the Conference was a great success, and we are already looking forward to 2016! Over the new few weeks, we will be posting some of the resources that were shared during the Conference on our website (www.seneme.org).

SENEME is alive with excitement as we get ready to host the National Marine Educators Conference in Newport, June 28-July 2, 2015. We continue to seek a group of eager volunteers that would like to help in the planning and implementation of this great endeavor. Please visit page 4 of this edition of *The Nauplius* to learn more about the various committees and volunteer opportunities. We hope you will join our team! Please contact Andrea Gingras at agingras@mail.uri.edu if you would like to help!

We look forward to offering some additional opportunities this summer and fall and will let members know shortly. Until then, enjoy the end of the school year, happy horseshoe crabs, and happy summer!

Articles on the horseshoe crab that may interest you:

<http://www.providencejournal.com/breaking-news/content/20140601-horseshoe-crabs-moonlight-dalliances-but-dwindling-numbers.ece> and <http://yesterdaysisland.com/archives/science/6.php>.

Sincerely,

Amy O'Neal
SENEME President



In this Edition:	
Nauplius Notations.....	2
Fall Meeting & Science Fair Awards	3
From the Board Room	4
Call for Nominations/NMEA 2014.....	5
Sound Notes from the Water Column ..	6
Science Standards Workshop.....	7
LIS Mentor Workshop/Book Talk.....	8
Nauplius Nostalgia	9
Bulletin Board	10-12
LISIC Photos	13-14
Dates to Remember	15
Membership Application	16

SENEME Board of Directors & Committee Members 2013-2014

President

Amy O'Neal, Mystic Aquarium

President-Elect

Andrea Gingras, URI Inner Space Center

Past President

Amy Ferland, Marine Science Magnet High School

Chapter Representative

Lauren Rader, Project Oceanology

Treasurer

Julie Ainsworth, Bauer Park

Membership Secretary

Maryann Scholl, URI Office of Marine Programs

Recording Secretary

Kelly Matis, Mystic Aquarium

Members-At-Large

Katrina Barrett, Mystic Aquarium
Diana Payne, Connecticut Sea Grant

Newsletter Editor

Donna Dione, Bauer Park; Children's Mus. of SECT

Webmasters

Amy O'Neal
Donna Dione

Editorial Assistants

Julie Ainsworth
Katrina Barrett

Development Committee

Andrea Gingras, Chair
Maryann Scholl

Membership & Public Relations Committee

Maryann Scholl, Chair
Julie Ainsworth
Celia Cackowski
Donna Dione

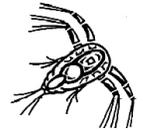
Nominating Committee

Amy Ferland, Chair
Katrina Barrett

Scholarships & Awards Committee

Lauren Rader & Amy Ferland, Co-Chairs

Nauplius Notations



By Donna Dione, Editor

After all these years in Environmental, Outdoor and/or Marine Education, it is still fun for me to lead outdoor field trips. It amazes me that no matter how many times I've done a program at the same habitat, every year, there's at least one new creature making an appearance. Granted, I've probably seen these animals sometime in my career, but it's the first time at that particular habitat and keeps me just as excited as the kids I'm leading! My new marine and aquatic finds this spring were a purple sea urchin at West Wharf in Madison (been doing programs there going back to the early 90's) and a musk turtle at a Bauer Park pond (been leading pond dipping there for about a decade). Every trip is always like a treasure hunt, and who doesn't love a good mystery adventure!

I hope you all have a wonderful summer, full of new discoveries that keep life fresh. See you at the Annual Meeting in October!!

SENEME Organizational Members

*Mystic Aquarium
New England Science & Sailing
Foundation
Project Oceanology
URI Office of Marine Programs*

Thank you for your support!!

SENEME LIFE MEMBERS

*2002 Find Pedersen
2003 Mickey Weiss
2004 Thaxter Tewksbury
2005 Ralph Yulo
2006 Elizabeth Gibbs
2010 Katrina Barrett*

MARINE EDUCATOR OF THE YEAR

*2005 Lance Arnold
2006 Matt Schardt
2010 Vicky Sawyer
2011 Joseph Hage
2012 MaryEllen Mateleska
2012 David Bednarz*



**2014 SENEME Annual Meeting
in Conjunction with
Mystic Aquarium's Run/Walk with the Penguins!**

**Saturday, October 18, 2014
Mystic Aquarium
Mystic, CT**



WINNERS OF SENEME SCIENCE FAIR AWARDS



This spring, SENEME presented awards to students at the Connecticut and Rhode Island State Science Fairs. There were two winners from each state with all four receiving a prize of \$100 and a one-year SENEME membership for them and their science teacher. The Connecticut winners were Jamie Curtis of Joel Barlow High School in Redding who won the Senior Award for the exhibit, "Analyzing the Effect of De-Icers on Connecticut River Water Quality" and Katie Provost from Fields Memorial School in Bozrah who won the Junior Award for the project entitled, "A Study of the Production, Impact Testing, and Degradation of Seaweed-Based Bioplastics." In Rhode Island, Sophie Nerone of East Bay MET School in Newport won the Senior Award for her exhibit, "The Difference in Native and Exotic Species Communities Found at Different Salinity Levels in Two Rhode Island Coastal Bays" and Caitlin Pianka of St. Philomena School in Portsmouth who won the Junior Award for her project on "Mercury Amounts in Local Seafood."

Congratulations to all the winners!!

NOMINATIONS SOUGHT FOR SENEME AWARDS

Would you like to recognize a fellow SENEME member for their contribution to marine and aquatic science education? Nominations are being accepted for the awards below. Further information can be found at SENEME.org > Grants & Awards.

SENEME Marine Educator of the Year: For effective and innovative teaching, and/or distinguished performance by either a classroom teacher or professionals who are not classroom teachers. This nomination requires completion of a nomination form and a letter of recommendation from at least one active SENEME member. Recipient receives one-year membership to SENEME and registration to the annual Fall Conference.

SENEME Life Member: Life membership is the highest recognition the Association offers and is reserved for those individuals who have demonstrated a distinguished career in teaching, research or service in marine education. This nomination requires completion of a nomination form and letters of recommendation from at least three active SENEME members. The Awards Committee will present its recommendation to the SENEME Board for consideration. Upon endorsement by the majority of the Board, the successful nominee shall be declared a Life Member and will receive lifetime membership in SENEME.

FROM THE BOARD ROOM...

Help Wanted:

NMEA 2015

SENEME will be hosting the National Marine Educators Association Annual Conference the summer of 2015 in Newport, RI. The planning has started, and we need your help. Below are descriptions of each committee. If you are interested in joining a committee, please contact the person listed. Continue to look for more information about NMEA 2015 on the SENEME Facebook page, NMEA website, SENEME website and in future *Nautilus* issues.

Field trips: secure field trip locations, coordinate logistics of field trips (transportation, food, participants)
Maryann Scholl: mscholl@mail.uri.edu

Program: presenter selection, notification, and communication, supply content for program booklet, arrange audiovisual equipment, assist presenters
Andrea Gingras: agingras@mail.uri.edu

Transportation: how people get from one conference venue to another; may also assist with arrival and departure transportation
Maryann Scholl: mscholl@mail.uri.edu

Publicity/Marketing: craft messages for social media, work with fundraising committee on development and advertising
Maryann Scholl: mscholl@mail.uri.edu

Hospitality: coordinate logistics with conference venue, provide information to conference participants regarding local area
Andrea Gingras: agingras@mail.uri.edu

Special Events: arrange keynote speakers, other guests and VIPs, evening events, special performances
Diana Payne: diana.payne@uconn.edu

Fundraising/Development: solicit donations from sponsors of the conference, assist in securing auction items, work with Publicity/Marketing committee
Lauren Rader: lrader@oceanology.org

Exhibits: solicit organizations to exhibit during the conference and provide logistical support during conference
Diana Payne: diana.payne@uconn.edu

Auction: coordinate donation of items for silent and live auction, provide logistical support during auction event
Lauren Rader: lrader@oceanology.org

Evaluation: develop conference evaluation (questions and format) and process results
Diana Payne: diana.payne@uconn.edu

Volunteer Coordinator(s): organize volunteers for meeting (recruiting, scheduling)
Contact needed: Please email Andrea Gingras at agingras@mail.uri.edu, if interested.

Call for Nominations

The SENEME Nominating Committee is seeking candidates for the following SENEME Board positions: President, Vice President, NMEA Chapter Rep, Treasurer and Recording Secretary. The Nominating Committee invites SENEME members to submit qualified names for consideration.

All positions assume duties for two years starting in October 2014.

Please contact Amy Ferland, Nominating Committee Chair at amyferland@gmail.com for more detailed information about each position and to submit nominations. Nominations are due by August 1, 2014.

**Set a course for 39N, 076.5W!
July 21-25, 2014
Loews Annapolis Hotel
Annapolis, Maryland**



The Conference is being held July 21-25 in Annapolis, Maryland and is going to be incredible! Visit <http://www.nmea2014.com> for information and to register today!!

Full registration is a complete package, which includes all of the following: viewing the keynote and plenary speakers, entrance to the exhibit hall, all concurrent sessions, three lunches and snacks, and entrance to Monday's opening reception at the U.S. Naval Academy, Tuesday's evening event at the National Aquarium in Baltimore, and Wednesday's banquet and auction at the Loews Annapolis Hotel. Day registrations are also available.

This year's conference will focus on STEM and the Next Generation Science Standards (NGSS), but we are absolutely including many other marine and aquatic topics (including arts and culture). Keynote and plenary speakers include Dr. Edith Widder, expert on bioluminescence, deep-sea exploration, and the giant squid, Dr. Michael Wyssession, geophysicist and NGSS writing team leader, and Dr. Rita Colwell, biotechnology and public health researcher and former National Science Foundation Director. There will be over 100 concurrent sessions in tracks for classroom teachers, informal education, scientific research, administration, NGSS, education research and program evaluation, and arts & culture. There is also an optional Unconference session on Friday for those who want extended professional development in a less formal setting involving discussions and on-the-fly sharing of the latest topics in education. AND there are field trips to look for fossils, snorkel, visit the monuments in DC and much, much more.

Like us on Facebook, and Follow us on Twitter @NMEA2014.

Follow the NMEA2014 Twitter chatter using hashtag: #NMEA2014 to get the latest news.

SOUND NOTES FROM THE WATER COLUMN

By Joseph Hage, Bacon Academy

Spring commissioning of my boat always ends with a wet test of all systems and drive around the Sound. After a shakedown cruise and a few hours logged, I felt it was safe to take her out south of Fishers Island. We were a half mile south of Wilderness Point cruising at a comfortable 22 knots at 3800 rpm's, and the dread of all motor boaters: the engine sputters to a dead stop. My heart dropped. I tried to restart her to no avail. Everything seemed to be in perfect order, however, she would not relight. Tried and tried, I turned over the comatose motor. I had the hatch open, trouble-shooting all the systems, as we drifted southeast towards the "Block" in a stiff 18 knot breeze. Finally, I determined that she had no spark, and the ignition coil was bad. Not repairable at sea, and with the condition of the winds, and tides, if I risked a passage through the rock of the Race, and Race Point, things could turn disastrous...I had to make the pride-crushing call to Sea Tow.

Beachcombing one day between Ocean Beach and Waterford Beach, wedged in the tide pool rocks, my friend Dave and I found a derelict 8-foot skiff. The plywood had partially shed its paint, and the bottom was flapping with every wave surge like an old shoe sole wedged with sand and seaweed. It had escaped Davy Jones' Locker during the last spring storm and found its way to the rocky breakwater at the mouth of Alewife Cove. Dave and I, at fourteen years of age, what we lacked in experience, we made up for with an excess of energy and high hopes. We had a boat! For all of my youth, I had yearned to ply the water in a vessel of any kind. Until this moment, I had only been able to swim to the rocky archipelago islands off of Alewife Cove. Now with this skiff, we could row anywhere!

After digging out the sand, rocks and critters that had settled in her floppy bottom, we began our quest with a journey home, swimming the partially submerged vessel up Alewife Cove. The dragging across sand bars and swimming the splintery sub through the winding channels of the Cove was exhausting. We finally made it to the middle basin and began carrying our newly found prize through the neighborhood of Ridgewood Park ultimately to my friend Dave's house. In the back, on top of two rickety sawhorses, we set up shop.

For the rest of the summer, between paper-route runs and lawn jobs, we worked on the boat. We straightened nails that we acquired from the dump and patched the bottom with scraps of salvaged wood. The entire boat was sanded with a makeshift sander stuffed into an old all metal Black and Decker drill. Dave was periodically zapped by the frayed cord and learned not to stand in a puddle of water when operating the drill. We procured old buckets of paint and slathered the hull of our reincarnated craft with a quilt of random colors. The flap of hull was re-screwed and nailed to the gunnels, oarlocks were polished, and a scavenged painter line was affixed to the bow-eye. It was August, and we felt we were ready to launch our pride and joy of a full summer's work.

Dave and I proudly marched our freshly painted, polished and perky little punt back through the neighborhood to the edge of the Cove. We could only scavenge one oar and one wooden canoe paddle from the years of beachcombing. Dave and I did not care. Our plan was to launch and row/paddle down the Cove to the rocks near Sarah's Ledge. It was further than we liked to swim, and was therefore, a perfect destination.

After much flailing and splashing, we launched, paddling down the waterway. We were ecstatic with joy. The sun was shining and wind was to our backs. Dave and I were on top of the world. We talked of the fishing and snorkeling that was now within our grasp, and the places that we could only dream of reaching. Then the unthinkable...water began to seep in. We were now in the open water south of Ocean Beach half way to Sarah's Ledge, and the water was now gushing from all the seams of the boat. It never dawned to our pubescent minds that boat seams need to be caulked and sealed. All the straightened dump nails and screws were now ports of entry for the salty sea to penetrate. The paint could only staunch the flow for so long and gave up as we entered deeper water. We were sunk. Our pride quickly turned to dismay, and we both quieted with the impending gloom of our failed attempt. As we settled down into the cold grey sea, the gunnels awash, we contemplated our doom. We were near where we first found the object of our dreams, but now in much deeper water, and far from swimming her back, we had to abandon our ship. We salvaged the only things that drifted up and out of our sunken skiff; our oar and paddle served as meager flotation devices. As she slowly returned to her watery grave from whence she came, we swam to shore, our pride soddened, and hopes dashed upon the rocks of despair.

Sea Tow was prompt, we were spirited to my home berth, and the next day I had her purring again with a new coil. Working the sea on any vessel can be a daunting proposition. I have learned much from all of my failures. The first lesson was to never commit the sin of Hubris.

Face the Next Generation Science Standards without Flinching

Befuddled by the suite of scientific practices, content and concepts you're now being asked to incorporate into your curriculum and instruction?

Join scientists and educators for a fun, three-day, hands-on workshop geared to help you apply “real world” scientific practices, data, and cross-cutting concepts in your science classroom!

WHO: Middle and high school science formal and informal educators

WHAT: Introduction to the Next Generation Science Standards, with a series of half-day complementary components covering life sciences, engineering and technology, climate change and adaptation, and natural hazards

WHAT YOU GET: Useful resources and tools, science content presentations and discussions, various datasets to explore, trip on Project Oceanology's *Envirolab*, stipend, lunch and snacks daily

WHEN / WHERE: July 8 & 9, 2014 at the University of Connecticut Avery Point campus in Groton
July 10, 2014 at the University of Connecticut main campus in Storrs

Workshop Leaders: Diana Payne, Assistant Professor in Residence / Education Coordinator
Connecticut Sea Grant
Nancy Balcom, Senior Extension Educator, Connecticut Sea Grant / UConn
Extension

Session instructors, among others, include the following scientists and educators:

Connecticut Sea Grant - Dr. Juliana Barrett, Dr. Diana Payne
National Underwater Research, Technology & Education Center - John Hamilton
Plainville High School - Ken Fusco
UConn Center for Land Use Education and Research (CLEAR) - Dr. Michael Dietz, Joel
Stocker, Emily Wilson

*For more information and to register, contact Diana Payne diana.payne@uconn.edu
*****SPACE IS LIMITED - RESERVE YOUR SPOT TODAY!******

Sponsored by Connecticut Sea Grant with financial support from the
EPA Long Island Sound Study

Long Island Sound Mentor Teacher Workshop

You will be able to:

Address Next Generation Science Standards

Teach at the beach - Apply science inquiry skills!

Connect your students, wherever they live, to their coastal environment.

Organize your own field study site at Long Island Sound.

Apply science concepts to improve test scores.

Excite and motivate your students to work as scientists!

Date/Time: Friday, September 26, 2014 (Downpour will reschedule to Tuesday, September 30)
8:45 a.m. to 3:15 p.m.

Location: Meigs Point, Hammonasset Beach State Park, Madison, CT

Who should attend: Grade 4-12 Teachers & Informal Science Educators

Take-Home Materials include: Get Started! Teacher Curriculum Resource Guide, seine net, several field guides including a \$40 Guide to life in LIS, geology tools, posters, multimedia and more!

COST: ONLY \$10!

You will LOVE this day!

Contact: Donna Rand drand@crec.org to register or to obtain more information
www.longislandsoundkids.wordpress.com

The workshop is open to the first 20 people who return \$10 payment.

Free Book Talk at RJ Julia Booksellers

"American Catch: The Fight for our Local Seafood" by Paul Greenberg
July 17, 2014 at 7:00 p.m.

RJ Julia Booksellers, 768 Boston Post Road, Madison, CT

For more information, visit <http://www.rjjulia.com/event/paul-greenberg-american-catch>.

NAUPLIUS NOSTALGIA

THIS FEATURE RESURRECTS ARTICLES AND/OR PICTURES FROM THE SENEME ARCHIVES.

COMPILED BY DONNA DIONE, EDITOR



Nauplius Nostalgia - Can you guess?

When and where was this issue's Mystery Photo on the left taken? Just couldn't resist putting in this photo of some of our youngest SENEME "members" at the time! Do you know where they are, who they are, and how old they are now?

(Photo taken by Donna Dione)

Look for the answer in the next issue of *The Nauplius*!

The Mystery Photo from the last issue was quickly identified by Membership Secretary, Maryann Scholl. In her words, "The picture was taken at Beavertail on September 27, 2007 when Kristen Van Wagner (mid photo in blue) led a SENEME trip ... discovering the Rocky Shore." Maryann cannot, however, confirm who actually took the photo so that will remain a mystery!





BULLETIN BOARD



Mystic Aquarium

Mystic Aquarium Offers Horseshoe Crab Walks

New Moon Watch: Saturday, June 28, 2014; 6:30 p.m. - 9:30 p.m. at Napatree Point in Westerly, RI
Full Moon Watch: Saturday, July 12, 2014; 6:30 p.m. - 9:30 p.m. at Bluff Point State Park in Groton, CT

****Special daytime hike on Saturday, June 28, 2014 from 10:00 a.m. - 1:00 p.m. at Bluff Point in Groton, CT for Conservation Club members only****

Learn more about these living fossils and the role they play in our local ecosystem as we head to the beach to count these animals during the Family Horseshoe Crab Watch. Aquarium staff will take you on a stroll to witness this incredible phenomenon. Be prepared to get wet feet and hike a distance!

Cost: \$5 per person

Visit: <http://www.mysticaquarium.org/visit/calendar/details/241-family-horseshoe-crab-walk>

The New England Aquarium

Join us this summer to learn more about our oceans and discover ideas on how to incorporate them into your teaching! Our summer courses equip participants with important science content information, hands-on activities and PDPs or graduate credit.

Ocean Science for Early Elementary Educators (New England Aquarium)

Date: July 15-18, 2014 plus one Saturday callback (Nov. 15)

Time: 8:30 a.m. - 4:00 p.m.

Location: New England Aquarium

For: Educators, K - 2

Cost: \$250

Credit: PDPs or 3 graduate credits from Cambridge College (additional fee - \$150)

Ocean Science for Elementary Educators (Fitchburg State University)

Date: July 29 - August 1, 2014 plus one Saturday callback (Nov. 22)

Time: 8:30 a.m. - 4:00 p.m.

Location: Fitchburg State (July 29-31); New England Aquarium (August 1 & Nov. 22)

For: Educators, K - 4

Cost: \$250

Credit: PDPs or 3 graduate credits from Fitchburg State University (additional fee - \$275)

Overnight accommodations available.

On the Waterfront: Integrating Science Standards through Classroom & Field Investigations

Date: August 4 - 8, 2014 with two callbacks (Sept. 27 and Dec. 6)

Time: 8:30 a.m. - 4:00 p.m.

Location: New England Aquarium

For: Educators, grades 3 - 8

Cost: \$350

Credit: PDPs or 4 graduate credits from

Fitchburg State University (additional fee - \$360) or Cambridge College (additional fee \$200)

TO REGISTER, VISIT www.neaq.org/workshops



BULLETIN BOARD



Narragansett Bay National Estuarine Research Reserve

Teachers on the Estuary, The Wonders of Wetlands and Project WET

Join us this summer on beautiful Prudence Island, home of the Narragansett Bay Research Reserve, for a full weekend of hands-on learning. Topics will include estuaries, climate change and water resources. Participants will engage in three different workshops: Teachers on the Estuary (TOTE), The Wonders of Wetlands (WOW!) and Project WET. An abundance of resources will be provided as part of this multi-faceted workshop to help you bring your knowledge back to your classroom or education center.

Participants will arrive late Friday afternoon and stay until Sunday afternoon, for a total of 15 PDP's. Lodging is available at the Reserve in a modest cottage with dorm-style bedrooms. Meals and lodging cost are covered but participants will be responsible for the cost of their ferry ticket (\$8) and parking, if necessary (\$10/day).

The majority of the activities will be hands-on or in the field, as the weather allows. We will also spend time reviewing online resources from the NERRS and NOAA as well, including water quality graphing applications and the Estuaries 101 online curriculum for middle and high school.

When: August 8-10, 2014 (late Friday afternoon through Sunday afternoon)

Who Should Register: Many of the activities are geared towards middle and high school teachers, but pre-service and informal educators are welcome to attend.

Co-Hosted By: Narragansett Bay Research Reserve and the RI Department of Environmental Management, Fish & Wildlife Division.

Please contact Maureen Dewire, Education Coordinator for the Research Reserve, with any questions or to register for this workshop. Email: maureen@nbnerr.org; Phone: 401.683.1478

Connecticut Science Education Conference

Call for Presenters!

The Connecticut Science Education Conference is November 22, 2014 at Hamden Middle School, and we need you!

We know you have a great lesson, interesting experience, or innovative pedagogical technique to share.

The Conference serves science educators in grades K-12, so there is a place for you.

All disciplines, from general interest/general science, to biology, physical science, chemistry, earth and environmental science, and physics are welcome (and needed!)

If you have never presented before, consider teaming up with a colleague. As an added benefit, presenters attend the Conference for a highly reduced fee!!

Submit your Presentation Proposal online at https://www.csta-us.org/event_reg_pres.htm?id=2azessfl
Submission Deadline is June 26, 2014.

For questions please contact presenter chairs:

Laurel Kohl KOHLL@easternct.edu or Heather Toothaker heather.toothaker@new-haven.k12.ct.us



BULLETIN BOARD



Teen Summer Camp with OHP, Rhode Island

Oliver Hazard Perry, Rhode Island (OHPRI) invites teens to come aboard this summer! We still have spots for two of our summer camp programs along the coast of New England!

Camp includes all meals and seamanship/sailing instruction with a ratio of staff to students of 1:2.

Newport, Nantucket, Boston, New Bedford and Portsmouth, NH are among the historically rich ports on the ship's itinerary. Camps will run on the schooner *Mystic*, a 180ft USCG certified and inspected three-masted square topsail schooner. Built in 2007 and approaching the size of *Oliver Hazard Perry*, the schooner *Mystic* is steel-hulled, has 45 berths, and will have as its master the captain of *Oliver Hazard Perry*, Richard Bailey.

In addition to witnessing the natural magic of the ocean and its inhabitants, each student crew will make friendships to last a lifetime. They'll take responsibility for themselves and their fellow shipmates, learning to work as a team with others as they hoist and brace the yards on the ship's 110-foot tall rig and apply acquired navigational skills to guide the ship's course on a voyage of discovery.

Availability is on a first-come, first-serve basis. For more information on our Education-at-Sea programs, you can also visit us at www.ohpri.org or [Facebook/ohpri](https://www.facebook.com/ohpri) and start your adventure at sea!

TENTATIVE SCHEDULE & ITINERARY (SUBJECT TO CHANGE) IS AS FOLLOWS:

Week 2: August 10 - August 16, 2014

Boston, MA - New Bedford, MA

Ages: 12-14 years (Middle School)

Itinerary: Boston - Boston Harbor Islands - Stellwagen Bank - Provincetown - night underway - New Bedford

Week 3: August 17 - August 23, 2014

New Bedford, MA - Newport, RI

Ages: 15-18 years (High School)

Itinerary: New Bedford - Vineyard Haven - night underway - Tarpaulin Cove - Sakonnet River - Newport

Ocean Classroom

Seafaring Camp is a one-week, co-educational learning adventure for teens aged 13-16, exploring the marine environment of coastal New England to discover the sea's rich diversity of life, history, and lore. Through investigations led by the ship's navigation officer, sailors observe whales in their natural habitat, read and discuss excerpts from maritime literature, visit historical sites and museums, and share sea songs and stories. Sailors work along with the professional crew as full participants in the operation of the ship, visiting historic ports and making new friends.

August 3rd - August 10, 2014

Camden, ME to Camden, ME

\$1,700 per participant

For registration information, visit our website at www.oceanclassroom.org, or call [1-800-724-7245](tel:1-800-724-7245).

LONG ISLAND SOUND EDUCATORS CONFERENCE

SENEME and NYSMEA Members had a great day at the LISEC at The Maritime Aquarium in Norwalk. Above left is Jillian Ammerman from the Marine Education Center at Harbor Island Park in Mamaroneck, NY with a sculpture she made with students after a beach cleanup. Above right is Becky Hirsh from Mystic Aquarium leading a program with a brave "sea star" participant. Below is one of the many Exhibitor displays, this one from NYSMEA.



LONG ISLAND SOUND EDUCATORS CONFERENCE



SENAME and NYSMEA members enjoyed a variety of workshops on many topics related to Long Island Sound. On this page is a sampling of photos of workshop activities. Hope to see you at the next LISEC in 2016!



Photos courtesy of
Trina Barrett and Julie Ainsworth

Save the Date!

2014 NEOSEC Ocean Literacy Summit

The 5th biennial NEOSEC Ocean Literacy Summit will be held Thursday and Friday November 6th and 7th, and is being hosted by the Woods Hole Oceanographic Institution in Woods Hole, MA. This year's theme will be "Ocean Literacy Principle #6, the humans and the ocean are inextricably interconnected." Join us on the Cape for two days of exploring the connections between ocean science and education, with workshops and speakers bringing the latest in research and practice! Stay tuned for more details and visit <http://www.neosec.org/> for more information on NEOSEC activities.

DATES TO REMEMBER

July 21 - 25, 2014 - NMEA 2014, Loews Annapolis Hotel, Annapolis, MD

July 29, 2014 - SENEME Board Meeting, Conference Call, 4:30 - 6:00 p.m.

October 18, 2014 - SENEME Fall Meeting, Mystic Aquarium, Mystic, CT

November 6-7, 2014 - NEOSEC Ocean Literacy Summit, Woods Hole, MA

June 28 - July 2, 2015 - NMEA 2015 hosted by SENEME, Newport, RI

****Please contact SENEME President, Amy O'Neal at aneal@searesearch.org to confirm Board Meeting information.**



The Nauplius is the newsletter of the Southeastern New England Marine Educators Association Inc. (SENEME) and is published three times per year for members of SENEME. Submissions including (but not limited to) articles, activities to share, student projects, pictures of SENEME members in action, recipes, other organization's announcements and Bulletin Board items are welcome for all issues. The opinions expressed by authors published in this newsletter do not necessarily reflect the views of SENEME and all its Board members. SENEME is not responsible for any typographical errors that may occur within this publication. Permission is granted by SENEME for readers to make copies of newsletter items for their own, non-commercial use.

Please send submissions and suggestions to Donna Dione, 146 Essex Street, Deep River, CT 06417; Email: dmrdione@quixnet.net. Please type articles in a Word format. If mailing media, all disks and pictures will be returned.

Submission Deadline for the Fall Issue is October 25, 2014.



Southeastern New England Marine Educators (SENEME)

MEMBERSHIP APPLICATION

New Renewal (check one)

Name: _____

my information has not changed

Today's Date: _____

School/Business Address: _____
Street

City, State, Zip Code

Home Address: _____
Street

City, State, Zip Code

Work Phone: _____

Home Phone: _____

Work E-mail Address: _____

Home E-mail Address: _____

Position (check all that apply)

- | | | | |
|------------------------------------|---|---|--------------------------------------|
| <input type="checkbox"/> Teacher | <input type="checkbox"/> Retired | <input type="checkbox"/> Scientist | <input type="checkbox"/> Consultant |
| <input type="checkbox"/> Principal | <input type="checkbox"/> Professor | <input type="checkbox"/> Dept. Head/Chair | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Student | <input type="checkbox"/> Superv./Coord. | <input type="checkbox"/> Administrator | |

Disciplines (check all that apply)

- | | | | |
|------------------------------------|---|---|--------------------------------------|
| <input type="checkbox"/> Biology | <input type="checkbox"/> Environmental | <input type="checkbox"/> Computer Science | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Physics | <input type="checkbox"/> Science | <input type="checkbox"/> General Science | |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> Physical Science | <input type="checkbox"/> Tech Education | |

Which grades do you teach? (check all that apply)

- | | | | |
|--|--|---|----------------------------------|
| <input type="checkbox"/> K – 5 th Grade | <input type="checkbox"/> 6 th – 8 th Grade | <input type="checkbox"/> 9 th – 12 th Grade | <input type="checkbox"/> College |
|--|--|---|----------------------------------|

Send SENEME e-mailings to (check one):

- Home E-mail Address Work E-mail Address

Please consider joining one or more of our 5 standing committees (more information can be found on our website).

- Membership Nomination Publicity/Publication Conference/Special Events Financial Advisory

SENEME is considering sponsoring the NMEA conference in 2015. Would you be interested in helping? _____

Membership Category (check one):

- Active Member (1 Year \$15)
 Active Member (2 Year \$25)
 Active Member (3 Years \$35)
 Organizational Memberships (Non-Profits Only \$100)
 Corporate Membership (1 Year \$250)

Please note: regardless of which membership option you choose, your membership will begin immediately and expire on December 31st.

Total Enclosed: \$ _____

Please return this form with check payable to SENEME.

Mail to SENEME
c/o Julie P. Ainsworth
31 Green Springs Dr.
Madison, CT 06443