



Letter from the President

Dear SENESE Members:

“There she blows!” Once exclaimed by the lookout from the crow’s nest during the heydays of whaling, those words spurred the crew into action, and the whale hunt was on. Whaling was considered to be a noble profession, sustaining livelihoods and full communities. Those words were harbingers of the financial profits the captain and whale men would secure. In July of this year, the *Charles W. Morgan*, the last whaling vessel to sail out of New Bedford, MA in 1921, will again shout “there she blows!” This time, however, these words will resound with excitement and anticipation of seeing the gentle giants in their natural environment, not to hunt, but to admire, observe, and to educate others by. The words, this time, will bring spiritual enrichment and encouragement that our generation and subsequent generations will do what we can to conserve these species. The day sails on Stellwagen Bank National Marine Sanctuary, in collaboration with NOAA, represent just one of many legs of the *Charles W. Morgan’s* 38th and last voyage, after an intensive restoration project. From May - August 2014, the *Charles W. Morgan* will carry passengers from all areas of study, from the humanities to the sciences, offering “an opportunity to add to the ship’s story with contemporary perspectives” (www.mysticseaport.org). What a great time to be a marine educator in this part of the world.

As marine educators, we have daily opportunities to share and influence the perspectives of our students. Humanity is ever-evolving, and although we cannot measure it from one day to the next, so are our students and their perceptions. SENESE and its dedicated board members and volunteers work tirelessly to provide enriching opportunities for our members to learn, share, and inspire in the hopes of bringing discourse to our students. One of those opportunities includes the upcoming 11th Biennial Long Island Sound Educators Conference, hosted at The Maritime Aquarium at Norwalk on Friday, April 25th (see page 3 for more information). This full-day event will feature lectures and presentations by scientists, formal educators, and informal educators with the goal of raising awareness about LIS and watershed issues, and how educators can bring these topics into the classroom. We are also planning to host the 2015 National Marine Educators Association Conference in Newport, RI and plans are well underway. Recently, we sent out a survey to our members to collect feedback about everything from the structure of a SENESE membership to the types of opportunities we provide. If you have not already done so, please take a moment to complete the survey and provide us with your invaluable input. In the meantime, encourage a colleague or friend to join SENESE and share the news of the LIS Educators Conference. We hope to see you there!

Sincerely,



Amy O’Neal
SENESE President



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Nauplius Notations



By Donna Dione, Editor

It's been a while since I talked about critters in my little column here so time to resurrect the topic! Currently, none are living in the usual attic or wood stove (knock on wood!), but we do have a young opossum who lives under our shed, affectionately known as "Little Opie." With the harsh winter and deep snow, we're finding he's spending more and more time hanging out on our covered porch, and we find him there at all times of day. Even the cats are used to him and just sort of hang out next to him, even though he's nabbing their food scraps. When he first came out of "hibernation" about a month ago, he had veritable feast on a small cooler of post-holiday fudge that I had forgotten was being stored out there (in case you are wondering, he seems to be a chocoholic like the rest of the Diones!).

As I put together this issue, the snow has actually been melting for a couple days, and our 6 bluebirds have returned for the "spring," so Opie will soon start roaming more, and we'll miss coming home and finding him hanging under the grill. Be safe out there, Opie!!

I hope as you all emerge for the spring, you will consider attending the Long Island Sound Educators Conference in Norwalk on April 25th! It's a great way to reconnect with our colleagues from CT, RI and NY.

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*

****SAVE THE DATE******LONG ISLAND SOUND EDUCATORS CONFERENCE
FRIDAY, APRIL 25, 2014**

The Southeastern New England Marine Educators Association (SENEME), in association with its partners, New York State Marine Education Association (NYSMEA), and The Maritime Aquarium at Norwalk, is excited to announce the 11th Biennial Long Island Sound Educators Conference at The Maritime Aquarium at Norwalk on Friday, April 25th from 8:00 a.m. to 3:30 p.m.



Featuring Keynote Speaker, Dr. Charles Yarish, Professor of Ecology & Evolutionary Biology and Marine Sciences, UCONN

“An Introduction to Seaweed Aquaculture in Long Island Sound and Other Urbanized Estuaries in North America”

Dr. Yarish has developed an internationally known laboratory for seaweed research and aquaculture at the UCONN Stamford campus. He has published extensively and has received numerous extramural grants and awards. Seaweeds have significant value in US agriculture as organic fertilizers, feeds, as well as functional foods, nutraceuticals, and alternative medicinal products. The lecture will be an introduction to seaweed aquaculture systems that are relevant to meeting market demands in Northeast America and improving water quality through nutrient bioextraction in US coastal waters. Yarish recently co-edited a new book, Long Island Sound: Prospects for the Urban Sea. Two signed books will be raffled off following his talk!

The Conference additionally includes an IMAX theater presentation, Behind-the-Scenes Tours at The Maritime Aquarium, a Marine Life Study Cruise opportunity, and many workshop sessions conducted by local educators representing schools, universities, museums, and other organizations leading the way in estuarine education. Pre-registration opens soon so be sure to check <http://senemeweb.wix.com/seneme#!events/vstc1=li-sound-conference> for more details.

Interested in lending a helping hand? Please contact Amy at aoneal@searesearch.org if you are interested in volunteering.

The Conference is sponsored, in part, by the EPA's Long Island Sound Study and CT Sea Grant.



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.



FINAL 2013 SENEME SCIENCE FAIR WINNER ANNOUNCED



Last spring, SENEME presented awards to students at the Connecticut and Rhode Island State Science Fairs. The paperwork for one of our Rhode Island winners went missing, but luckily, a connection was recently made, and the SENEME Board is excited to now be able to formally congratulate our winner. Mehreen Girach of the Islamic School of RI in West Warwick won the Junior Award for the exhibit, "Catastrophic Ice Melt," which analyzed if salt concentration expedites the melting of ice. Congratulations Mehreen!!!

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



We are pleased to announce that registration for the National Marine Educators Association 2014 Conference is now open! The Conference is being held July 21-25 in Annapolis, Maryland and is going to be incredible. Visit 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. Full registration begins at just \$395 for NMEA members and \$445 for non-members through April 30!! 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.

Scholarships are available to NMEA members, first-time attendees who represent and/or educate those underrepresented in science, and experts in traditional knowledge and rights as it relates to marine systems through NMEA at <http://www.marine-ed.org/?page=scholarships>. The deadline for all scholarships is **March 15, 2014**.

Like us on Facebook, and Follow us on Twitter @NMEA2014.
Follow the NMEA2014 Twitter chatter using hashtag: #NMEA2014 to get the latest news.

Editor's Note: A SENEME Scholarship for NMEA 2014 is also available. Please visit: <http://senemeweb.wix.com/seneme#!grants-&awards> for more details.

SOUND NOTES FROM THE WATER COLUMN

By Joseph Hage, Bacon Academy

In Greek Mythology, there was an individual whose name was Sisyphus; he was cursed to rolling a boulder up a hill every day, only to have it roll back down each night. In another Greek myth, Prometheus was cursed for sharing fire with the mortals, and his penance was to be chained to a rock, and have an eagle rip his liver out each day, only to grow it back each night.

Teaching is a Sisyphean task. Every year, we gather the children and carry them up the hill pushing and pulling them along to enlightenment. We bring the mountain to them and then haul, lift, and propel them to the pinnacle of education. Each year, we craft the art of expository communication, tout the arts, splaying wide open the mysteries of science, only to roll back down and begin again the next year. Like Prometheus, we bring the fire and light the thousand points of light, and for our sharing, we are chained to the ivory tower and eviscerated by the eagle of common core curriculum, SLO's and IGAD's.

However, that moment, at the top of the hill, on graduation day, sitting in the audience, watching the latest crop carried away, as with the tossed tasseled miters, that fleeting moment of satisfaction, as the flickering concert of student flames flutter in the June breeze, makes all the meetings, and mundane tasks of the regular year of my commonest cores seem a memory.

After the last murmured echoes of the microphone speeches fade into the dusk, the beaming parents snap a picture of their graduate. We all pause for a pose, with their teacher, beaming smiles, with our colored sweat stained gowns flowing in the light of the setting sun. A brief conveyance of thankful eyes from the beleaguered parents would be bestowed upon the teacher after the photo, happy to push out the fledgling into the world, thankful for any help that was provided. Usually followed by a clumsy earnest grasp of hands and a thank you...

For now, another snow day, and delay, and we are still in the icy grip of a February winter, shouldering our Sisyphean task of pushing the boulder, now half way up, spreading the Promethean fire of knowledge and getting our livers ripped out for it.

Reminder from Membership

If your membership expired at the end of 2013, you should have received a renewal letter (most were sent via email), and if you haven't done so already, we hope you will consider renewing either through the SENEME website <http://senemeweb.wix.com/seneme#!join-seneme!> or by using the form at the end of this newsletter. Remember that with a SENEME membership your benefits include the following:

- * Reduced SENEME conference and special event rates
- * Reduced NMEA membership rate
- * Scholarship opportunities to attend NMEA conferences (2014 in Annapolis, MD)
- * Opportunities to receive awards and mini-grants. Two mini-grants were given to educators in 2013.
- * Invitations to attend special events:
 - Lectures
 - Seal watch, horseshoe crab hunt, tide pooling at Beavertail Point, family beachcombing
 - Behind-the-scenes events at Mystic Aquarium
 - Professional development opportunities

*Receive the online SENEME newsletter, published three times a year, which contains relevant information on events, classroom ideas and articles on marine-related subjects.

If you have any questions concerning your membership status, please contact Membership Secretary, Maryann Scholl at mscholl@uri.edu.

PLEASE NOTE: If you do not renew, this will be the last issue of "The Nauplius" that you will receive.

Coginchaug High School (RD # 13) Wins 2014 Quahog Bowl

By Diana Payne, CT-RI Regional Co-Coordinator, Connecticut Sea Grant

On Saturday, February 1, sixteen teams from Connecticut and Rhode Island participated in the 2014 Quahog Bowl at the University of Connecticut's Avery Point campus in Groton. The Quahog Bowl is one of more than 20 regional competitions of the National Ocean Sciences Bowl (NOSB) taking place across the country each winter. The inaugural NOSB was held in 1998 in conjunction with the International Year of the Ocean. The competition is intended to increase knowledge and awareness of ocean and aquatic systems for high school students, their teachers and parents. The NOSB also strives to raise the visibility and public understanding of the national investment in ocean-related research. The competition is a round-robin/single- or double-elimination format for teams of high school students consisting of four students, one alternate and a coach. The format involves a timed competition of multiple-choice, short-answer and team challenge questions within the broad category of the oceans/water. Questions are drawn from the scientific disciplines (e.g., physics, chemistry, geology, atmospheric science, biology) as well as technology, economics, history and policy as related to ocean/water topics.

Schools participating in the 2014 Quahog Bowl included Bacon Academy, Bridgeport Regional Aquaculture, Classical, Coginchaug Regional (RD #13), Cranston West, Glastonbury, Ledyard, Marine Science Magnet, Narragansett, New London Science & Tech, Norwich Free Academy, Plainville, Portsmouth, Southington, Waterford and Woodstock Academy. Following nine rounds of exciting competition, Coginchaug High School emerged from single elimination ahead of Narragansett, Marine Science Magnet and Cranston West. Prizes were awarded for Sportsmanship (Ledyard) and performance in the Team Challenge Questions (Narragansett). Congratulations to all teams on an outstanding day, and a special thank you to our amazing volunteers, sponsors, and donors!

As a result of their Quahog Bowl victory, Coach Lorrie Martin and the Coginchaug team will represent the CT-RI region at the national competition in Seattle, Washington, May 1-4. Please join me in wishing them all the best at nationals!

In order for a regional or national competition to run smoothly, considerable preparation and support is necessary. More than 100 volunteers are needed to serve as moderators, science judges, rules judges, timekeepers, scorekeepers, and runners. Donations are solicited from many entities and include food services, chocolate quahog pops, pens, pencils, bags, and monetary support. At the conclusion of the competition, awards are presented, coaches receive gifts, and items are raffled off to participating team members. Donations to help defray the cost of the competition are ALWAYS welcome.

The 2015 CT-RI regional will again be hosted by the Avery Point campus of the University of Connecticut on Saturday, February 7. The event is co-sponsored by Connecticut Sea Grant and Project Oceanology with support from the Consortium for Ocean Leadership and the University of Connecticut-Avery Point. Additional sponsors have included Dominion's Millstone Power Station, Rhode Island Sea Grant, UConn Co-op, Mystic Aquarium, Mystic Seaport - the Museum of America and the Sea, Williams-Mystic Program, the University of Rhode Island Office of Marine Programs, Teledyne Benthos, URI Coastal Institute Bookstore, URI Inner Space Center, COSEE Central Coordinating Office, Rose Farm Inn, West Marine of Mystic, Sweenor's Chocolates, Sweet Leaf Tea, SENEME, NMEA, Audubon Society of Rhode Island, JTK Management Restaurants, Big Y, Save the Bay, New England Science and Sailing, The Matunuck Oyster Bar, Dime Bank, Cheesecake Factory, Bank Square Books, Interstate Navigation, All About You Massage and Eastern Mountain Sports. To participate as a coach/team, as a volunteer, or contribute in-kind or monetary donations, please contact Diana Payne at diana.payne@uconn.edu.

NAUPLIUS NOSTALGIA

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

COMPILED BY DONNA DIONE, EDITOR

REPRINTED FROM *THE NAUPLIUS*, WINTER 2002 VOLUME XIII, NUMBER 2

(Editor's Note: As we prepare to host NMEA 2015, it seemed appropriate to reprint this President's Letter from the NMEA 2002 final crunch. Hope it inspires you to become a part of the NMEA 2015 team!)

The world is rushing in! At least it feels like it. As the National Marine Educators Association 2002 Conference moves ever closer to its July date, our connections with the rest of the country, as well as the world, become more real. We have been fielding questions from presenters everywhere who are planning to visit our neck of the woods. We are excited to show them (and You) the best time that we can during that week. They are eager to see what we have to offer and to share their own skills and interests with us. It will be a great experience for all of us as we host this meeting. We would love to have you at this meeting, so keep the dates open and get ready.

- Come to the conference and share your passion for science education and the marine environment.
- Volunteer for various events. This could be for a whole day, half-day or to work a specific event (such as the auction).
- Donate to the auction – items are often marine-related but not necessarily.
- Present a workshop.
- Present a program at the exhibitor/vendor hall.
- Hook us up with some special connection that you may have to make this event even more exciting.

Let us know if there is something you can do to help. In any case, we will look forward to seeing you there! It will be here soon!

See you on the water!
Thaxter Tewksbury
President – SENEME



Nauplius Nostalgia - Can you guess?

When and where was this issue's Mystery Photo on the left taken? Do you recognize anyone in the photo? (Also, if you took this photo, let Donna know so you can get credit in the next issue!)

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

New Handbook for Growing Seaweeds from Sea Grant

Now you too can grow seaweed! Connecticut Sea Grant has announced the publication of "New England Seaweed Culture Handbook: Nursery Culture," a new 92-page handbook for growing four species of economically and ecologically valuable native seaweeds. Available for free, the handbook may be accessed for download in PDF format at <http://s.uconn.edu/handbook> or through UConn's Digital Commons collection (http://digitalcommons.uconn.edu/seagrant_weedcult/1). It will also be available on loan at the National Sea Grant Library, <http://nsgl.gso.uri.edu/>. A companion product, a 6-part close-captioned video playlist, "Seaweed Culture in New England" can be found on YouTube at <http://s.uconn.edu/seaweedplaylist>.

The handbook by Sarah Redmond, Charles Yarish, Jang Kim, Lindsay Green and Christopher Neefus, is the result of a Sea Grant research project jointly carried out by the University of Connecticut and the University of New Hampshire. An appendix with formulas for aquaculture solutions and suggestions for ordering equipment is included.

"It is exciting to see our research culminate into real-life applications and an emerging industry" said Sylvain De Guise, Connecticut Sea Grant director.

The new handbook presents protocols for implementation of the technology to culture, maintain, and produce seaweeds beginning in a laboratory, with information on how to scale up for commercial production. The four species are Kelp, Nori, *Gracilaria* ("ogonori"), and *Chondrus crispus* ("Irish moss"). All are used commercially for food, colloids, fertilizers, cosmetic additives, and in biotechnology. Kelp, for example, is now farmed in Long Island Sound and the Gulf of Maine. It is eaten as a sea vegetable and is also a source of alginate, used in textile and paper industries as well as syrups and other products. Nori, while not commercially grown in New England (but wild harvested) at present, is commonly known as the wrapper for sushi and as a seasoning for various foods. *Gracilaria*, a source of agar found in pie fillings and other foods, is grown in tanks at the Bridgeport Regional Aquaculture Science and Technology Education Center for the culinary industry. Irish moss forms the basis of traditional New England "snow pudding" or blancmange and is a source of carrageenan used in ice cream, toothpaste, beverages and other foods, as well as cosmetics.

The research culminating in this handbook was carried out by a joint team at the laboratories of Dr. Charles Yarish, at UCONN's Stamford Campus (Kelp and *Gracilaria*) and Dr. Christopher Neefus at the University of New Hampshire (Nori and *Chondrus*). These principal investigators, supported by grants from NOAA Sea Grant, have been working on these technologies for over 30 years! Additional support for the work was provided by the E.P.A. Long Island Sound Study Futures Fund and a NOAA Small Business Innovation Research grant. Then-graduate students Sarah Redmond (UCONN) and Lindsay Green (UNH), and Dr. Jang Kim (UCONN), helped develop these techniques and the handbook. Ms. Peg Van Patten was the production editor for the handbook. To help improve future efforts and document success, please let Connecticut Sea Grant know how you used the handbook and videos at seagrant@uconn.edu.

Connecticut Sea Grant is part of the National Sea Grant College Program, providing research, outreach and education at top universities in coastal and Great Lakes states. It is a partnership between the University of Connecticut and the National Oceanic and Atmospheric Administration (NOAA). The program is based at UConn Avery Point.

“Digging Into Diversity” Conference

The Connecticut Outdoor & Environmental Education Association and the Connecticut School Garden Resource Center invite you to their first annual joint conference: *Digging Into Diversity: Cultivating a Culturally Responsive Practice*. The Conference will take place on March 20, 2014 from 8:00 am - 4:30 pm at the Beardsley Zoo in Bridgeport, CT. The Keynote Speakers are Akiima Price and Jerusha Klemperer. For more information and to register visit: <http://coeea.org/conference/coeea-current/52-coeea-conference.html>.

Attention All Junior and Senior High School Students

The National Marine Sanctuary Foundation has launched the second annual Voyage to Discovery Essay Contest. Junior and Senior High School students are invited to submit by April 4, 2014 an essay on the contributions of African-Americans to U.S. maritime heritage. The first place prizes are \$1,500 for the high school winner and \$500 for the middle school winner. The complete set of contest rules can be found at <http://www.voyagetodiscovery.org>.

Teachers & Students Encouraged to Participate in Endangered Species Day

The 9th annual national Endangered Species Day on May 16, 2014 offers oceanography, marine science, biology and other teachers an ideal opportunity to educate students about the importance of protecting threatened and endangered species. In addition to classroom discussions, there are several ways they can participate in Endangered Species Day (first approved by the U.S. Senate in 2006), such as:

- *Plan a school-wide Endangered Species Day fair with exhibits.
- *Arrange a special display in the school library.
- *Invite a local expert to speak to the school/class.
- *Work with a community/environmental group on a beach cleanup/other habitat restoration project.
- *Attend an event at a local aquarium, zoo, or other location.

Depending on your school schedule, you can plan events on Endangered Species Day itself (5/16) or another time in May. Once a specific activity is planned, the class can register it on the Endangered Species Day website (www.endangeredspeciesday.org) or send the information (and your questions) to David Robinson, Endangered Species Day Director: drobinson@endangered.org.

Be sure to check out the new and updated resource materials in the Endangered Species Day Toolkit on the website, including event planning tips, stickers, bookmarks, fliers, banner, passport, coloring/activity sheets (many of which can be downloaded and printed) and more. The website also features a Teacher Resource Center/Teacher Forum.

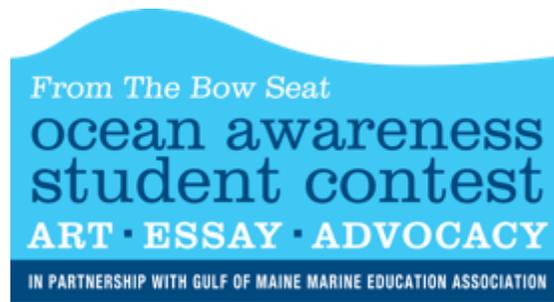
Bahamas, San Salvador Tropical Marine Biology Expedition June 14-21, 2014

You are invited to participate in a Tropical Marine Biology Expedition to San Salvador, Bahamas. Noted **shark biologist John Morrissey** will be co-leading this trip, providing a unique opportunity to learn more about the natural history of Caribbean shark species. We will snorkel twice a day exploring coral reefs, turtle grass beds, and mangrove swamps. During shore snorkels, we will observe the inhabitants of rocky and sandy beaches, as well as tidal caves. While on the island we will learn about the ecology of this region, its importance to man and how you can help conserve these vital habitats.

ALL-INCLUSIVE cost to participate is **\$2,450**

Cost includes: round-trip airfare from Washington DC region; food, lodging and all transportation on San Salvador; station fees; boat charter and naturalist/guides. College credit: For an additional fee, college credit can be arranged through Hood College.

To read more and register for this trip please visit: <http://societyoceansciences.org/teachers.html>. Questions? Contact Claire Hudson at Hudson@societyoceansciences.org or call 301-717-6175.



2014 Ocean Awareness Student Contest Expands Subjects and Prizes!

From the Bow Seat announces its contest for 2014, which will appeal to all learners!

The contest invites high school students to tackle the issue of *Plastic Pollution in the Ocean*, individually or collaboratively, through ART, ADVOCACY or ESSAY options.

The 2014 Ocean Awareness Student Contest is an outgrowth of *From the Bow Seat*, a 64-minute documentary about environmental issues impacting the world's oceans. The contest and the film provide opportunities for high school teachers and home school instructors to challenge their students to explore real-world threats to marine life. Contest information can be found at www.fromthebowseat.org/contest. The contest extends from September 15, 2013 to June 15, 2014.

Once again, the focus of this year's contest is creating next-generation ocean stewardship and encouraging students to think critically and cross disciplinarily about the ocean. However, some exciting changes in the contest rules will broaden its appeal to students and expand its applicability to more areas of the curriculum:

1. This year's theme is *Plastic Pollution in the Ocean*, a timely topic that is increasingly in the news, as we see evidence of growing plastics gyres in both the Pacific and the Atlantic oceans, and as debris from the 2011 Japanese tsunami arrives on our shores. The topic aligns with both Common Core and Next Generation Science Standards for Human Impact.
2. Students may submit entries in the form of a 5-8 page essay, an art project, or 5-10 minute video highlighting their advocacy campaign.
3. Students may work independently or collaborate in groups.
4. *More* awards will be given to students, teachers, and school science and art departments. This year, the number of cash awards has been increased dramatically. There are now cash prizes for all three categories of Art, Essay, and Advocacy: \$1,500 for First Prize, \$1,000 for Second Place, \$500 for Third Place, plus \$250 for 10 Honorable Mentions. In addition, the First-place winners' high schools will receive \$1,500, and three Teachers Recognition Awards of \$750 each will be presented. See contest site for all rules and submission requirements.

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

March 26, 2014 - SENEME Board Meeting, Project Oceanology, Groton, CT, 4:30 - 6:00 pm

April 25, 2014 - LIS Educators Conference, The Maritime Aquarium at Norwalk, CT, 8:00 am - 3:30 pm

May 6, 2014 - SENEME Board Meeting, Conference Call, 4:30 - 6:00 pm

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

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: dmrddione@quixnet.net. Please type articles in a Word format. If mailing media, all disks and pictures will be returned.

Submission Deadline for the Spring/Summer Issue is May 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

Home Address: _____

Street

City, State, Zip Code

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