



The Nauplius

www.seneme.org

Winter 2012
Volume XXIII Number 2

Letter from the President

Dear SENE ME Members,

Happy 2012!

It's hard to believe that we are in the middle of winter when there have been many days where it has felt like spring! This reminds me how important it is for all to learn about global climate change and how our ocean is affecting this change. Ocean Literacy Principle #3 talks about how the oceans influence weather and climate.

Some key points from that principle that we should all remember are:

- The ocean dominates the Earth's carbon cycle. Half the primary productivity on Earth takes place in the sunlit layers of the ocean and the ocean absorbs roughly half of all carbon dioxide added to the atmosphere.
- The ocean has had, and will continue to have a significant influence on climate change by absorbing, storing, and moving heat, carbon and water.
- Changes in the ocean's circulation have produced large, abrupt changes in climate during the last 50,000 years.

(To learn more about the Ocean Literacy Principles and the Scope and Sequence, visit: [http://oceanliteracy.wp2.coexploration.org/.](http://oceanliteracy.wp2.coexploration.org/))

All around us, there is research being conducted to help scientists better understand climate change. One of the goals for me as SENE ME President, is to help educators connect with scientists to learn more about real time science. I hope to accomplish this through the events SENE ME plans to host during this year. It's important for all to know the current science, and although there may not be any answers yet, we can learn from the process and potential results.

Other exciting things going on in SENE ME right now include a new website that should be live right around the time you receive this newsletter. The website will offer our members and those interested in what we do a wealth of information about SENE ME. One of the key features will be the announcements section where you can find out more about the upcoming events SENE ME will host. With our new website and a continued email listserv, SENE ME is taking a more "green" approach to communication, so it's important for you to visit the website often and look for announcements in your email inbox!

SENE ME is also diving into the world of social media with a new Facebook page and Twitter feed. If you use these outlets, please "like" and "follow" SENE ME.

Lastly, become involved in SENE ME. Our board meetings are open to our membership (look for upcoming meeting dates in this newsletter). I also encourage you to become part of a committee. And most importantly, spread the word about SENE ME and urge your friends and colleagues to become a member!

Be on the lookout for more information about upcoming events and be sure to check out our new website (www.seneme.org). I welcome your comments about the website and ideas for events you would like SENE ME to host. You can send those to me at agingras@gso.uri.edu.

Thank you,

Andrea Gingras
SENE ME President

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Nauplius Notations

By Donna Dione, Editor



SENEME has a new website!!! Can you tell I'm just a tad thrilled??!! It is still at www.seneme.org, but you will now find a beautiful, new visual experience. Of course, as Editor, the most exciting part is that you can view the current issue of *The Nauplius* along with nine years of past issues! A HUGE THANK YOU goes out to new SENEME Board member, Celia Cackowski, for creating this wonderful site to keep us all connected and updated.

In this issue, I am also excited to introduce a new component to my *Nauplius Nostalgia* feature. We are now going to have a "mystery photo." See if you can guess where and when the photo was taken, and maybe even who is in the picture. I picked an easy photo to ease you all in, but I plan to make this a little harder in the future. The answer will always be in the following issue, but if there are times you just can't wait, you can always email me to check your answer.

And just a tidbit to go with Andrea's discussion on Climate Change - I'm now in the midst of sugaring season which started about 3 weeks early this Winter and will probably be done before Spring even arrives. When I first started 20 odd years ago, I didn't tap trees till March. Now we're lucky if the sap's still running into the first week of March. That's all the proof I need that something on the grand scale is changing.

See you in May at LIS Educators Conference!!!

SENEME Organizational Members

*Mystic Aquarium
 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*

Long Island Sound Educators Conference

The Maritime Aquarium at Norwalk

Friday, May 4, 2012 8 am – 4 pm

This valuable conference features workshops, hands-on activities, field studies, lectures and networking for anyone who teaches using the energy that a marine, aquatic or environmental focus might provide. Workshops will cover such topics as Local Impacts of Global Climate Change, Diversity of Life and The Human Impact on Long Island Sound. The keynote speaker and workshop sessions will be announced at a later date.

Registration includes: materials, membership in the Southeastern New England Marine Educators (SENEME) or New York State Marine Educators Association (NYSMEA) and parking.

Deadline for Call for Presenters and Exhibitors is March 2, 2012. For submission form visit: <http://library.constantcontact.com/download/get/file/1103854201469-20/Callforpresenters12.pdf>.

For more information about the Conference as it becomes available, visit the SENEME website at www.seneme.org.

Sponsored by SENEME, The Maritime Aquarium at Norwalk and Project Oceanology.



News from NMEA: Looking to the Future

By Lauren Rader, SENEME Chapter Representative to NMEA

In March 2012, the National Science Teachers Association (NSTA) Conference will be in Indianapolis, IN. NMEA is once again looking forward to hosting a “Whale of a Share-a-thon,” where attendees are encouraged to stop by and pick up marine- and aquatic-related activities and stay for the NMEA track of presentations throughout the day. Each chapter hosts a table at the Share-a-thon, and the SENEME table is well known for its welcoming attitude and hands-on activities!

The NMEA national conference, *North to Alaska’s Seas: A Confluence of Science and Culture*, will be held in Anchorage, AK from June 24 - 28, 2012. The themes of this year’s conference are: Science and Art, Culture and Technology and Large Marine Ecosystem Science and Education. Registration, Airline and Lodging information is now available. For more information, visit the conference website: <http://www.pacname.org/conf.shtml>.

As a SENEME member, it is highly recommended that you join NMEA to take advantage of member opportunities. NMEA members are eligible for Annual Conference Scholarships to help defray the cost of registration to the conference.

Ledyard High School Wins 2012 Quahog Bowl

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

On Saturday, February 4, sixteen teams from Connecticut and Rhode Island participated in the 2012 Quahog Bowl at the University of Connecticut's Avery Point campus in Groton. The Quahog Bowl is one of 25 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 2012 Quahog Bowl included Bacon Academy, Classical, Coginchaug Regional (RD #13), Cranston West, Glastonbury, Ledyard, Marianapolis Preparatory, Marine Science Magnet, Narragansett, Norwich Free Academy, Plainville, Portsmouth, Rocky Hill (RI), Southington, Waterford and Woodstock Academy. Following nine rounds of exciting competition, Ledyard High School emerged from single elimination ahead of Cranston West, Narragansett, Waterford, Bacon Academy, and Norwich Free Academy. Prizes were awarded for Sportsmanship (Bacon Academy) and performance in the Team Challenge Questions (Southington). This year, the popular post-competition raffle for team members included a Kindle Fire. 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 Dave Bednarz and the Ledyard team will represent the CT-RI region at the national competition in Baltimore, Maryland April 20-22. 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 2013 CT-RI regional will again be hosted by the Avery Point campus of the University of Connecticut on Saturday, February 2. The event is co-sponsored by Connecticut Sea Grant and Project Oceanology with support for the Consortium for Ocean Leadership and the University of Connecticut-Avery Point. Additional sponsors have included Dominion's Millstone Power Station, Mystic Aquarium, Mystic Seaport - the Museum of America and the Sea, Williams-Mystic Program, the University of Rhode Island Office of Marine Programs, COSEE Central Coordinating Office, Cross Sound Ferry, Leave Only Bubbles, Panera Bread Catering, Pizzetta Mystic, Rock Cats Baseball Club, Rose Farm Inn, West Marine of Mystic, Sweenor's Chocolates, Sweet Leaf Tea, SENEME, NMEA, Audubon Society of Rhode Island, Big Y, Michael Healy Designs, Providence Place IMAX - National Amusements, Save the Bay, Target, The Matunuck Oyster Bar, and The Oyster Club in Mystic. 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.

SOUND NOTES FROM THE WATER COLUMN

By Joseph Hage

I am thrilled and honored to announce that "Bacon Blues" representative team to the competition of the southeast regional Ocean Bowl earned a fifth place out of a very competitive sixteen teams of surrounding high schools. "Bacon Blues" was the only team recognized with an award for sportsmanship conduct, earning each of the players a cash prize.

On a cold blustery "Super Quahog Bowl Saturday", students from Bacon Academy immersed themselves in everything "marine" at Project Oceanology. For the seventh year, Bacon competed against sixteen teams from Connecticut and Rhode Island to vie for the title of the Southeastern New England Quahog Bowl. This year's new team, led by Co-Captains Omyia Damaj, and Spencer Dimmock, and the cadre of Bacon Academy students, Katie Maguire, Marissa Curie, Brenna Gallacher, answered a myriad of questions pertaining to the marine environment. The "Bacon Blues" won all but one of their matches in the preliminary rounds and earned the right to compete in the round robin eliminations of the afternoon. Tensions were always high as questions about tentacles and titrations were fielded by the Bowl teams.

Bacon students met almost every Monday to study and discuss all things marine. Skirmishes between old rivals of Waterford, Ledyard and Norwich Free Academy have been hosted by each of the schools, and the teams practice answering released Ocean Bowl questions. Fishing trips, fish printing of tee-shirts, dissections and field trips were some of the activities that the team participated in after school and during the summer. This past February 4th, our students culminated their final activity with the actual competition.

Coach rivalries have run deep between schools and many a gauntlet of pride has been thrown down at the feet of participating schools. Mike O'Conner and his Waterford team always seem to be the favored representative of Connecticut as a contender to stick the lance into Rhode Island's Cranston. A noisy cacophony has been raised by the saber rattling Ledyard team coached by Dave Bednarz. Their team has always had a strong showing, and they felt that this was their year. However, Norwich Free Academy, a relatively new team, led by the coach Seth Yarish has been shaking their rose bouquets in the fray in an attempt to be recognized.

The heated final rounds proved that the upwelling strength of Ledyard persevered and won the final championship earning the honor of representing Southeastern New England at the Nationals in Baltimore this April. Kudos to Dave Bednarz and the Ledyard team in finally wresting the title from Rhode Island and bringing the coveted prize to Connecticut. After losing a close match to Narragansett, "Bacon Blues" earned a respectable fifth, beating NFA. All rivalries are in good jest and serve to add an additional layer to the fun of the competition.

However, this all would not be able to occur without the work of the entire staff of Project Oceanology and Sea Grant. Project O and Sea Grant have been an integral part of the Quahog Bowl competition, hosting, organizing, and providing the personnel to run a broad and intense meeting of some of the biggest talent in Southeastern New England. Thank you to all the students and the volunteers at Project Oceanology and Sea Grant who spent countless hours preparing for this year's competition.

Related article: <http://www.theday.com/article/20120205/NWS01/302059900>



NAUPLIUS NOSTALGIA

THIS FEATURE RESURRECTS ARTICLES FROM THE ARCHIVES OF "THE NAUPLIUS."
COMPILED BY DONNA DIONE, EDITOR

REPRINTED FROM *THE NAUPLIUS*, SPRING 1996, VOLUME VII, NUMBER 2

Manomet Blue Balloon

By Lance Arnold

5:30 a.m....I've overslept...the rain and wind gave me a dream-filled night...tide is low, spring low, at 6:20...fumble out of sleeping bag...brush teeth...rush through what-to-wear decisions and out to garage...change into wading sneakers, grab old battered bucket and clam fork...over the rain rutted dirt paths to the cliff and the shore...tide already out more than normal...with a carpet of red algae and Fucus sp. brought in by a storm...

I'm off to try for steamers among the rocks around Stage Point...will weed there cover the clamming grounds and hide the holes? ... (my glasses fog in the fog)...all is glistening damp...colors enhanced...sounds muted...alone...

I kick at rocks and look for the tell-tale squirts...(salty, salty smells...cries of a few gulls)...a maybe place...clear a few rocks...clam on first dig! ...I dig 5 minutes and have a dozen or so clams...

Standing to straighten my bowed back, I'm startled by an apparition...a blue shape bounces towards me...eerie!...a large balloon, with a ribbon attached, passes with 6 feet of me, and then bursts "POP" on the barnacles of a nearby rock. Where did it come from? ...Why didn't it break far sooner as it's crossed over 100 years of rocky shore?...Are there others to follow? ...Had it popped without my seeing it first, it would have really startled me. Am I in an Ingmar Bergman film?

I return to digging, but glance up once and a while...

Soon my glasses are obscured by drops of sweat, and I place them on a nearby rock...digging now is somewhat more difficult, and some whitish rocks look suspiciously like clams...I pretend that this makes clam digging more sporting but, in fact, I am not that hampered without glasses...as long as I don't have to read...

Soon I've dug several quarts of clams, and I go down to the water to rinse them off...I stand calf deep...water is storm-warm...swish, swish, couple handfuls of clams lose their black sand and become glistening white...quite beautiful in their own rough abstract way...

With a certain satisfaction, (like that of stacking split wood) I wrap a layer of Fucus sp. into the top of the bucket and trek back in the fog...a bit of broken blue balloon is in my pocket for a while...such obscure omens require ill-defined respect...maybe it will wind up in a sculpture or, more likely, find a place among the many found things...the many omens of my many years...



Nauplius Nostalgia - Can you guess?

Do you know where and when this picture was taken? You may even recognize a few of the people!

Clue: An anniversary of the event where this was taken is coming soon!

Answer in the next issue of *The Nauplius*!

BULLETIN BOARD

Mystic Aquarium

Teaching Science at the Shore

Saturday, March 24, 2012

11:00am - 2:00pm

Cost: \$20

Gain the knowledge and confidence to lead a coastal field program on your own! Join us as we investigate the rocky shore and golden marshes of Hammonasset State Park in Madison, CT. Get to know the flora and fauna that live in these marine habitats, while participating in population studies and sampling. This is a perfect way to share the wonder, history and importance of Long Island Sound with your students.

Frog Watch

Saturday, March 24, 4:00pm-7:00pm

Our FrogWatch training is aimed at those citizen scientists who would like to get more involved in amphibian conservation. Following the conclusion of this 3 hour training session, you will be a trained FrogWatch volunteer ready to take lead of your own field site and submit data for a national survey.

Amphibian Monitoring Project

Saturday, April 14, 10:00am-12:00pm

Leap into action and attend our free, family-friendly amphibian monitoring training! During this training your family will learn how to identify local amphibian species using both sight and sound and head into the field together to practice newly developed skills.

All programs require advance registration. To make an online reservation for a workshop, visit mysticaquarium.org and select Fun & Learning. For additional information, email reservations@mysticaquarium.org or call 860-572-5955 ext. 520.

Get WET in New England: NEOSEC's Bay-Watershed Education and Training Program

Leading an inquiry based, hands-on field trip to a salt marsh, tidal flat, or other ecosystem within a watershed can be a daunting task for any teacher, regardless of science training or experience. Get WET is a NOAA-funded NEOSEC project that empowers teachers to lead their own trips and teach science content rather than relying on an outside source or expertise. Program partners in New Hampshire, Massachusetts, and Connecticut train teachers to lead field trips to their local watershed, collect data, and facilitate meaningful watershed educational experiences for their students. The program content covers ocean and watershed science, environmental stewardship, and ocean health.

Now in its second year, the program counts 70 New England teacher-participants thus far. Upon the project's completion in 2013, approximately 150 formal educators in New England will have participated in the program, reaching an estimated 4,700 students.

Through the program, teachers spend three days in the summer at one of four partner institutions that provide Get WET training; participating in field visits to area watersheds collecting data, and using scientific instruments to measure salinity, temperature, and pH levels of the water. In the fall, the teachers use what they learned over the summer to create their own watershed education module that includes in-class preparation, field trips within the local watershed, and follow-up activities to allow students to reflect on the experience. Upon completing the field trips with students, teachers are called back to share and analyze the effectiveness of a hands-on, field based experience.

More training will take place in Summer 2012! Get WET-trained teachers are eligible for professional development points, or graduate credits. Find out more about the program and partner institutions at <http://www.neosec.org/projects/get-wet>.

BULLETIN BOARD

Connecticut Outdoor and Environmental Educators Association Annual Conference

Greening STEM: The Environment and Sustainability as Inspiration for 21st Century Learning

March 23, 2012

Central Connecticut State University, New Britain, CT

Keynote Speaker: Dr. Nicholas Bellantoni, State Archaeologist of CT

Join us for workshops on ways to incorporate technology, outdoor exploration and environmental education into classrooms so that the next generation of adults can understand their world and work to sustain it. The environment is a compelling context for teaching STEM as it provides teachers with a diverse range of real-world challenges that engage students in hands-on opportunities to apply and reinforce STEM concepts across multiple subject areas. Come see ways environmental projects inspire students to apply STEM by empowering them to develop innovative solutions to local problems meaningful to them. Visit <http://www.coeea.org/annualconference.php> for more information.

“Teachers on the Estuary” Workshops

This summer, two of the New England National Estuarine Research Reserves (NERR) are offering 4-day “Teachers on the Estuary” (TOTE) professional development workshops. These research and field-based workshops, geared towards middle and high schools teachers, are designed to improve teachers’ and students’ understanding of estuaries using local research examples. For more information, please visit: <http://estuaries.noaa.gov/Teachers/Default.aspx?ID=170>; Waquoit Bay NERR, MA: <http://www.waquoitbayreserve.org/teacher-training.shtml>; or Narragansett Bay NERR, RI: <http://www.nbnerr.org/tote.htm>.

Contacts: Waquoit Bay NERR: Joan Muller, Education Coordinator (joan.muller@state.ma.us); Narragansett Bay NERR: Maureen Dewire, Education Coordinator (Maureen@nbnerr.org)

Teaching Earth’s History and Processes: Exploring the Science and Resources from Below the Sea Floor

Location: New England Aquarium

Dates: Saturday, March 10, 2012

Time: 9:00 a.m. - 3:00 p.m.

Cost: FREE

For: Teachers Grades 6 - 12

Register for the workshop by March 2, 2012

Did you know that much of our understanding of plate tectonics, climate change, extinction events, deep biosphere, and more comes from studying deep sea sediments and rocks obtained by drilling below the sea floor? Come learn about the science that plays a vital role in our growing understanding of Earth by joining staff and scientists from Consortium for Ocean Leadership’s Deep Earth Academy and the Integrated Ocean Drilling Program!

In this FREE interactive workshop, you will learn how to bring the excitement and adventure of the research done onboard the JOIDES Resolution to your students through our hands-on activities based on authentic ocean drilling data. We will also share how you can use the JR website (www.joidesresolution.org) to have your students follow current expeditions through live video broadcasts with the scientists onboard, blogs, and other social media tools; and how you can apply to sail as an Education Officer. Everyone will walk away with free posters and other resources that bring the real science to life. A special emphasis will be placed on the process and nature of science.

Also, those interested in gaining more content knowledge on the subject are invited to attend a free presentation, *Past Climate and Sea-Level Changes: Looking Back to Our Future* given by scientist Stephen Pekar, PhD., on March 8 as part of the Aquarium Lecture Series. For more information, visit www.neaq.org/aquariumlectures.

Questions or to register, contact the Teacher Resource Center at 617-973-6590 or by e-mail at trc@neaq.org.

Announcing “Wrecks of the World” International Art Contest

Calling all artists! Kids in grades K-12 are invited to participate in an international art contest sponsored by Immersion Learning, The JASON Project, the North American Marine Environmental Protection Association (NAMEPA) and the United States Coast Guard. The theme of the contest is "Wrecks of the World." One of the most famous shipwrecks in the world is the Titanic, which sunk 100 years ago this coming April. Although the sinking was a tragedy, it inspired many safety reforms in the shipping world. Submissions for this year's contest can focus on any historic or modern shipwreck and/or how to make shipping safer. To learn more about shipwrecks, the shipping industry, and safety at sea, visit the "Helpful Links" below.

Each entry must be a two-dimensional, original piece of artwork done on white poster board with dimensions of 28 in. x 22 in. (71 cm x 56 cm). Pale colors should not be used because they are too difficult to reprint. Please note that any artwork that includes copyrighted or trademarked product names will be disqualified.

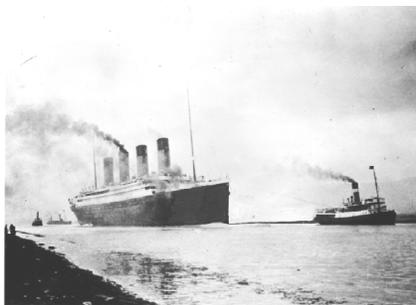
You must take a high-resolution (at least 3072 x 2304 pixels) digital photograph of your poster in order to submit your entry. To do this, you can put your poster on the floor in a well-lit room and use a digital camera to take the picture from above. Or you can affix your poster to a wall or bulletin board and stand in front of it to take the picture.

You or your teacher/facilitator must upload the digital photo of your poster along with your name, grade, school/after-school program name, school/after-school program address, and teacher/facilitator's name, phone number, and e-mail address via the online form. All entries must be uploaded by **April 1, 2012**.

Twelve entries (six from grades K-5 and six from grades 6-12) will be selected as finalists by May 1, 2012. Winners will be required to submit their original artwork upon being notified of their selection as finalists. The winning artwork will be featured on The JASON Project website and will be displayed at the Coast Guard Headquarters Building in Washington, DC. Finalists will receive a calendar with the artwork from all 12 winners and a signed photograph and certificate from world-famous oceanographer Dr. Robert Ballard. The two grand-prize winning artists (one from each of the grade brackets) will receive a prize package to include:

1. Calendar with the artwork from all 12 winners
2. Signed photograph, certificate, and book from Dr. Robert Ballard
3. Mystic Aquarium Animal Adoption Kit - \$250 level

For more contest details, please visit: <http://www.jason.org/public/whatis/shipwreck.aspx>.





The 2012 National Marine Educators Association Conference will be held in Anchorage, Alaska, on June 24-28, co-hosted by the Northwest Aquatic and Marine Educators (NAME) chapter and the Alaska Center for Ocean Science Education Excellence (COSEE). Conference strands will focus on science and art, science and culture, science and technology, and Large Marine Ecosystem science and education, with a special emphasis on integrating traditional knowledge and western marine and aquatic science education. The Conference will be held on the UAA campus with special events and field trips at other locations. Ray Troll has been confirmed as the Stegner Lecturer.

The conference theme is *North to Alaska's Seas: A Confluence of Science and Culture*. Participants can reserve dorm housing and spaces in pre-conference workshops, day field trips to Seward and Anchorage area destinations, and post-conference field trips to Homer and Cordova.

A Call for Education Research Posters is now open with a **deadline of March 12**.

NMEA provides conference scholarships and stipends based on need and to encourage non-members to attend in the areas of Broadening Participation in marine and aquatic education and incorporating Traditional Knowledge into marine and aquatic education. NMEA chapters also have travel scholarship programs.

For more information about the conference, to register as a participant or exhibitor, and to find links to scholarship, stipend and poster presentation submissions is on the conference website <http://www.pacname.org/conf.shtml> along with answers to Frequently Asked Questions.



DATES TO REMEMBER

April 17, 2012 - SENEME Board Meeting, Mystic Aquarium, Mystic, CT, 4:30 pm

April 17, 2012 - SENEME Event: Opening of the Titanic Exhibit, Mystic Aquarium, Mystic, CT, 6:00 pm

May 4, 2012 - Long Island Sound Educators Conference, The Maritime Aquarium, Norwalk, CT

June 12, 2012 - SENEME Board Meeting, URI, Narragansett, RI, 4:30 pm

June 12, 2012 - SENEME Event: To Be Determined, URI, Narragansett, RI, 6:00 pm

June 24 - 28, 2012 - NMEA Conference, Anchorage, AK

October 13, 2012 - SENEME Fall Conference & Annual Meeting, Project Oceanology, Groton, CT

November 1-2, 2012 - NEOSEC Conference, URI Narragansett Bay Campus, Narragansett, RI

July 22 - 26, 2013 - NMEA Conference, Spring Hill College, Mobile, AL

Summer 2015 - NMEA Conference hosted by SENEME, Rhode Island

SENEME MEMBERSHIP APPLICATION

Name: _____

Affiliation: _____

School/Business Address: _____
Street

City, State, Zip Code

Home Address: _____
Street

City, State, Zip Code

Send SENEME mailings to: (Please Check One): Home Address Work Address

Home Phone: _____ Work Phone: _____

E-mail Address: _____

****Please note that all SENEME communications and newsletters are via electronic mail so it is necessary for us to have your e-mail address.**

Membership Category (Please Check One):

Active Member (1 Year \$15)

Active Member (2 Years \$25)

Active Member (3 Years \$35)

Organizational Memberships (Non-Profits Only \$100)

Corporate Membership (1 Year \$250)

Total Enclosed: _____

Please return form with checks payable to SENEME.

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



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;
 e-mail: dmrdione@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 June 1, 2012.