



The Nauplius

www.seneme.org

Fall 2013
Volume XXV
Number 1

Letter from the President

It was just a spider crab in the mud. A common animal we have caught during many trips aboard Project Oceanology's boat, the *Enviro-lab*. However, the oohs and aahs exclaimed from my students would make you think that a shark or a squid just made an appearance. This same spider crab would regularly just get their passing interest but seen through a new lens, it captured their attention. In this case, it was literally a new lens. We were getting a real time underwater view of the Thames River from a remotely operated vehicle. No matter how many nature films you see there is nothing like seeing it with your own eyes or camera. It makes the mundane thrilling and interesting! My students had so many questions about how spider crabs live after their underwater discovery.

This spider crab encounter reminded me that as educators we often have the opportunity to help students make new and exciting connections with their prior knowledge. I am inspired to reinvigorate our climate change unit - to ask students to look at it from different angles and generate more meaning. Heather Crawford's keynote presentation at our annual Fall Conference in conjunction with Oceans a la Carte contained a lot of useful leads about climate change, giving my students multiple avenues to explore the science and issues connected to climate change. Sea level rise, fish populations, storm patterns, wave height and even increases in poison ivy - there is something for everyone, perhaps even a spider crab connection. Hmmm, maybe I will see if my students can discover more information to share with the class.

Speaking of sharing....how about sharing all that extra time you marine educators have? I know extra time is something that is in short supply. However, you may be aware that SENEME is host to the 2015 National Marine Educators Conference in Newport, Rhode Island. We are forming committees now and would love to see our members get involved in the planning of this event. Please check this newsletter and our website for contact information of conference committees. Hope to see you at a planning meeting soon!

Amy F. Ferland
SENAME President



In this Edition:

Nauplius Notations	2
Ocean Awareness Contest	3
Reading the Rocks Pictures	4
From the Board Room	5-7
Coals on the Coast Pictures	8
Sound Notes from the Water Column ..	9
Nauplius Nostalgia	10-11
Announcements	12
Fall Conference Pictures	13
Dates to Remember/NMEA 2014	14
Membership Application	15

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

Webmaster

Celia Cackowski

Newsletter Editor

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

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

Andrea Gingras, Chair
Katrina Barrett

Scholarships & Awards Committee

Lauren Rader & Amy Ferland, Co-Chairs

Nauplius Notations



By Donna Dione, Editor

Well, I got a quite the surprise as I started to put together this issue. I already knew it was SENEME's 30th Anniversary this year, but as I was updating the volume number for this edition, I discovered this is the 25th Volume of "The Nauplius." When I started as Editor in 1999, the Fall issue was Volume XI (Yes, I did have to look that up to confirm!). I'm not sure whether to be overwhelmed with how many issues that's been, feel old (My kids were 2 years old then, and now they have their driver's permits!) or be excited that "The Nauplius" and SENEME are still going. I guess probably a little of all, but mainly proud that "The Nauplius" is still a communication vehicle for SENEME in this world of rapidly advancing technologies. There may be ways that I could advance the layout of this newsletter, however, I find it comforting that some components have carried on for years. While I make no predictions as to where I'll be in 25 years, here's hoping "The Nauplius" will still be spreading the SENEME news!!

SENEME Organizational Members

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

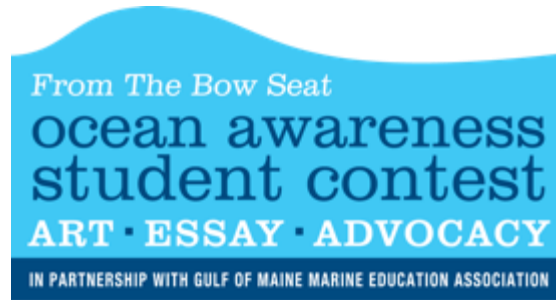
Thank you for your support!!

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 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.



READING THE ROCKS



SENEME Members had a great day exploring Beavertail Rocky Shore in Jamestown, RI on the morning of August 1, 2013. Above left is Brian Covellone from URI Graduate School of Oceanography leading the field trip. The remaining pictures are of attendees listening to Brian and “reading” the rocks!



Photos courtesy of
Maryann Scholl

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 *Nauplius* 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.

FROM THE BOARD ROOM...

Membership Memo....

Do you know an educator in a marine science related field who is not a member of SENEME? If you do, they need to know about SENEME. Why? Among the many opportunities SENEME has to offer are the numerous resources, lectures, and educational or field experiences designed to broaden and update our marine science knowledge. Our organization also serves as a support system for people new to the marine science profession. SENEME is comprised of a synergistic group of people who can provide numerous opportunities to both mentor and network. So, do your colleagues a favor, introduce them to SENEME; an organization with a very exciting future.

Amendments to SENEME Constitution

The SENEME Board of Directors proposes the following amendments to the SENEME Constitution. The two main themes of the revisions below are: changing our management structure to President and Vice President from our current President-Elect, President and Past-President; and completing our movement toward electronic communications and away from paper mailings.

The Constitution currently states that all proposed amendments shall be published in two consecutive issues of the newsletter before being voted on by the Board of Directors.

ARTICLE IV, OFFICERS

Current form:

Section 1A: The officers of the organization shall be the President Elect, President, Past President, Treasurer, Recording Secretary and Membership Secretary.

Section 2B: In the case of death, resignation, or inability to serve by the President, the President Elect shall assume duties of the office. Officers to fill any further vacancies shall be appointed by the President with the approval of the Board of Directors.

Section 3: The offices of President Elect, President and Past President shall be for a term of one (1) year each consecutively for a total of three (3) years. The Recording Secretary, Membership Secretary, and Treasurer shall be elected to a two (2) year term with a limit of three (3) consecutive terms. The Membership Secretary and Treasurer will be elected on alternate years. The NMEA Representative shall be elected to a two (2) year term.

Change to:

Section 1A: The officers of the organization shall be the President, Vice President, Treasurer, Recording Secretary, Membership Secretary and NMEA Chapter Representative.

Section 2B: In the case of death, resignation, or inability to serve by the President, the Vice President shall assume duties of the office. Officers to fill any further vacancies shall be appointed by the President with the approval of the Board of Directors.

FROM THE BOARD ROOM...

Amendments to SENEME Constitution continued...

Section 3: The offices of President and Vice President shall be for a term of two (2) years with a limit of two (2) consecutive terms. A person who has served as President or Vice President for two (2) consecutive terms shall be eligible for re-election to the same office after two (2) years have elapsed. The Recording Secretary, Membership Secretary, NMEA Chapter Representative, and Treasurer shall be elected to a two (2) year term. The Membership Secretary and Treasurer will be elected on alternate years.

ARTICLE V, BOARD OF DIRECTORS

Current form:

Section 1: The ASSOCIATION shall be governed by a Board of Directors. The Board of Directors shall be made up of the President Elect, President, Past President, Treasurer, Recording Secretary, Membership Secretary, NMEA Representative, Executive Director and 2-10 Board Members-at-large elected from the ASSOCIATION's membership as provided for in the ASSOCIATION's Bylaws.

Change to:

Section 1: The ASSOCIATION shall be governed by a Board of Directors. The Board of Directors shall be made up of the President, Vice President, Treasurer, Recording Secretary, Membership Secretary, NMEA Representative, Executive Director and 2-10 Board Members-at-large elected from the ASSOCIATION's membership as provided for in the ASSOCIATION's Bylaws.

ARTICLE XI, AMENDMENTS TO THE CONSTITUTION

Current form:

Section 2: The Secretary shall inform the Executive Committee of the proposed amendment. The proposed amendment shall be read at two (2) consecutive Board meetings open to the general membership and shall be published in two (2) consecutive issues of the newsletter.

Section 3: Thirty (30) days after the mailing of the second (2nd) publication, the amendment may be voted on and passed by a two-thirds (2/3) majority vote of the Board of Directors or by one-half (1/2) plus one (1) vote of all Directors or by one-half (1/2) plus one (1) vote of all members responding to a mailed ballot or voting by written ballot at an ASSOCIATION meeting.

Change to:

Section 2: The Secretary shall inform the Executive Committee of the proposed amendment. The proposed amendment shall be read at two (2) consecutive Board meetings open to the general membership and shall be published in the newsletter, posted on the website, and sent to the SENEME e-mail list.

Section 3: Thirty (30) days after the publication of the proposed amendment, the amendment may be voted on and passed by a two-thirds (2/3) majority vote of the Board of Directors or by one-half (1/2) plus one (1) vote of all members responding to an e-mailed ballot or voting by written ballot at an ASSOCIATION meeting.



Coals on the Coast 2013



SENAME Members and their families could not have asked for a more gorgeous evening for the Coals on the Coast sunset cruise on August 20th!! Above left is Captain Thaxter Tewksbury and above right are some of the lucky attendees. Below left is SENEME Membership Secretary Maryann Scholl with her husband, Rick, and below right the almost full moon rises over Fort Griswold.



Photos courtesy of
Trina Barrett

SOUND NOTES FROM THE WATER COLUMN

By Joseph Hage, Bacon Academy

Clematis-covered mounds hid the decaying lobster pots within. The frenetic fall shuffle of jack-stands and rearranging of the yard to accommodate the haul-out and winterization of the boat, caused me to uncover the long dormant lobster traps. The weathered pots still had their painted buoys and weighted lines tucked neatly within, albeit packed with leaf litter and mouse nests. I paused for a moment, recalling the fleeting romanticism of plying the Sound for the crusty tasty curmudgeons of the sea. Then the reality of maintaining the traps, harvesting bait, the pressure of checking them in all matter of weather and conditions, and not to mention the crippling fees and paperwork with the state, all began to wash over me. I realized why the traps were left dormant in the back recesses of my yard covered with showy blossoms of climbing vines.

I had dabbled with lobstering since I was twelve, rowing off of Guthrie Beach, New London, in an old aluminum row boat with Dave, Kevin, Mark S. and Mark W., checking our three to four traps. It was hard... however, we were young, and enamored with the notion of hunting and gathering our own food. We rowed and sailed about the Pequot Avenue beaches, fishing, clamming, baiting and checking our pots, developing a rhythmic sense of the tides and the seasons. My friends and I developed a mutual bond with our Thames River and its riparian shores. We would meet regularly and have beach parties where we cooked the lobsters, clams and fish that we collectively caught. There was an air of smug satisfaction in knowing that we had caught this food, and as a result, we developed a deep appreciation of a maritime lifestyle. We were inextricably tied to the sea.

I moved away for college, and then ultimately a career, and the old wooden traps rotted or were lost. It was not until adulthood and the purchase of my own boat that I entertained the idea of starting to ply the waters again. I applied for the license with the then DEP and supplied the fifty dollar fee. However, year after year the fees increased until, for a recreational license, it was three hundred dollars. Lobster pots were fifty to seventy dollars, the leaded line, buoy, bait bags, hog ties, tags for the pots, claw bands, and pliers caused the total cost per pot to be at least one hundred to one hundred and fifty dollars. We were allowed ten pots per recreational license. Fuel to run the boat was almost five dollars a gallon. I tried to combine trips; on the way back from fishing, I would bait the traps with the racks of fish carcasses. It was messy. Our trips were extended way into the evening, trying to find the pots that were sometimes moved or lost. It added hours to a trip where the crew was not benefitting from the efforts. I quit. I lost three pots that last year and only caught ten lobsters. The lines of my traps may have been cut purposely, or unscrupulous captains may have run them over, however, I still sacrificed three traps to Poseidon. I was beaten. The remaining traps are now stacked behind the barn decomposing along with the memories of backyard bug boils.

October 13th of this year, marked a sad commentary of events in Connecticut lobstering. A self-imposed moratorium on lobster fishing was implemented until November 28th by the 120 recreational lobstermen and 225 commercial lobster fishermen. Depending who you talk to, the decline of local lobsters may be blamed upon warming trends in the Sound, pesticide spraying, increased population of striped bass, and/or the destruction of planktonic larvae in coolant waters of power plants. The unfortunate reality of the decline in lobsters in Long Island Sound may be attributed to a combination of all these factors. The loss of the natural capital of an iconic New England marine animal and a maritime way of life far exceeds the loss of economic capital.

NAUPLIUS NOSTALGIA

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

COMPILED BY DONNA DIONE, EDITOR

REPRINTED FROM THE NAUPLIUS, FALL 1999, VOLUME XI, NUMBER 1

(Editor's Note: I try to avoid putting articles by yours truly in this section. However, in honor of the 25th Volume of *The Nauplius*, and since I have no copy of the very first issue of *The Nauplius*, I decided to instead include an article from my first year as Editor. I found this article from one of my most memorable SENEME experiences, and thought it was very appropriate since the Fall Conference Bluefishing Trip is still a SENEME favorite of many. Plus, reading this article some 14 years later made me laugh hysterically!)

JIGGING FOR BLUES AT THE RACE

By Donna Dione

"This is the year!" That was my thought as I filled in my registration form for the SENEME Fall Conference. "This year I am going to go on the Bluefishing Trip!"

I have always wanted to go on one of SENEME's bluefishing trips, but for numerous reasons, was never able to do so. This year, the pull of my sense of adventure was stronger than any other obligations. (Hey, when you spend your days hanging out with two-year-olds, anything above potty-training is high adventure!) As the day approached, my excitement grew, particularly when I saw the weather projections of sunny, near 70-degree weather. A day at sea is much more anticipated when it is going to be calm, especially for those of us prone to seasickness.

Now, some of you out there are thinking, "Is this the same Donna Dione we know? The one who detests seafood" Yes, it is!! I even heard a few people at the Conference mumbling words to that effect. But I wasn't in it for a meal. I was in it for a new adventurous experience! Besides, if I actually caught something, I didn't figure I'd have too much trouble finding a consumer.

So with great expectation, I boarded the *Envirolab* with about a dozen other fisherpeople. As we travelled to the Race, Thaxter Tewksbury and Joe Hage gave us great information about bluefish, the fishing equipment and how to fish. We quickly discovered that we weren't the only ones in the mood for fishing. As we approached the Race, there seemed to be hundreds of other boats. Being totally clueless about bluefishing, I silently wondered if we could actually catch anything with so many others out there. Personally, if I were a fish, I would avoid areas with that much boat noise. And, after hearing so often about depleted fish stocks in the North Atlantic, would there really be that much fish out there to catch? Turns out, bluefish aren't too bright about avoiding boats and hooks, and there are a lot of them out there.

Once we got in prime position at the Race, Captain Walter gave us the go-ahead to set out our lines. Our method of fishing was called "jigging" which means we quickly lowered our line to the bottom, and then we quickly reeled it in. I knew if I caught a fish, it would probably be a lot of work to fight it, but I never realized how much work it would be just reeling quickly to try and catch one. I soon learned how unprepared for the trip I was. As an educator with many field experiences under my belt, I thought I was prepared for a day on the water. Even though the temperatures on land might be 70-degrees, I knew I should have my wool, my Goretex and many layers. However, the one thing I forgot was my shorts!! We really worked up a sweat during this outing!

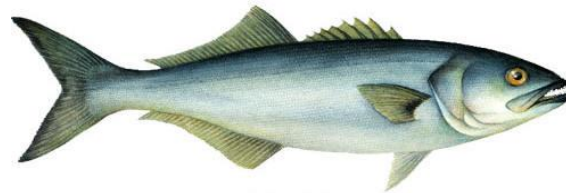
NAUPLIUS NOSTALGIA - *CONTINUED*

We were all stationed over one side of the boat, myself in about the middle, and it wasn't long before there were "hits" on lines in the bow and stern. Those of us in the middle were starting to feel a little pressure to perform (not that we had any control whatsoever over the situation). However, it wasn't long before the people on both sides of me caught bluefish. It was very exciting, but then the pressure was really on. "Come on, Donna. Where's your fish?" Sometimes it can be rough holding such a "high profile" office in a prominent organization. Everyone knows who you are, and they expect you to perform! Then it happened! I hooked a bluefish! Reeling it in was one of the most exhausting and exhilarating couple of minutes of my life! After a brief rest, I was at it again, and soon caught the only striped bass of the day. It wasn't a keeper, but still a thrill to catch. At this point, my arms were spaghetti, and I retired to view everyone's bounty for the day.

Now, the reason I am writing this article is that at some point during the filleting process, it was mentioned that the person with the largest fish should write an article for the newsletter. Supposedly, it was me by ¼ centimeter. I could not, however, call for a re-measurement, since my fish was fillets by the time the final results were tabulated.

Here are the stats for the trip: 8 bluefish (about 3 more almost got on the boat, but made a last second break), 1 striped bass and 1 eaten set of tackle. The successful fisherpeople and the measurements of their bluefish were: Donna Dione – 64 cm; Lisa Zint – 63.75 cm; Durrell Rader – 61 cm; Mick Korba – 60 & 58 cm; Jolene Crook 57.5 cm; and Thomas Greelaw – 55 & 53.5 cm.

It was a beautiful day on the water and a very successful fishing trip. When Thaxter pondered aloud if he should offer this trip again next year, the answer was an "unbiased", resounding, YESSSSS!!!!!! Oh, by the way, my parents thoroughly enjoyed two meals of bluefish.



Bluefish
Pomatomus saltatrix



Nauplius Nostalgia - Can you guess?

This picture was our mystery photo last issue. It is of our Auctioneer Guru, Thaxter Tewksbury, recruiting the bidders at the 2009 Fall SENEME Conference.

Look for the mystery photo feature to return in a future issue of *The Nauplius*!

*Photo courtesy
Donna Dione*

MaTTS

MARINE TECHNOLOGY FOR
TEACHERS AND STUDENTS

Marine Technology for Teachers and Students (MaTTS) Project

The Marine Technology for Teachers and Students (MaTTS) Project, based at the University of Rhode Island's Inner Space Center and the University of Connecticut's Avery Point campus, will be accepting 12 Connecticut and Rhode Island high school teachers for a year-long professional development opportunity. The project focuses on providing opportunities for teachers and students to experience new technologies related to exploring the global ocean and discover pathways to marine careers using these new tools. Participating teachers will engage colleagues and students at their school and receive training and experience in marine and ocean science technologies.

Eligibility

- Teachers must be presently fully employed as a grades 9-12 teacher in the following districts:
 - New London, Connecticut
 - Cranston, Rhode Island
 - Newport, Rhode Island
 - Providence, Rhode Island
 - West Warwick, Rhode Island
 - Woonsocket, Rhode Island
- Be a U.S. citizen.
- Demonstrate exemplary teaching and communication and leadership skills.
- Be willing to mentor two colleagues and provide guidance to student leaders.

For more information visit www.mattsproject.org or contact mattsproject@etal.uri.edu.



University of Rhode Island Inner Space Center

The Inner Space Center (ISC) is an international hub for ocean science exploration and education. Through its advanced facilities, the ISC expands the number of scientists engaged in live expeditions and inspires the next generation of ocean explorers.

ISC now offers educational program intended for school/youth groups. A variety of themes are available including Hurricanes, the Unknown Ocean, and Discovery of Sound in the Sea.

The program includes a 45-minute classroom educational program, with choice of theme at the Inner Space Center. Groups can add an additional 45-minute tour of the Inner Space Center. Please call (401) 874-6119 or e-mail romy@mail.uri.edu for details and dates. For more information about the Inner Space Center, visit www.innerspacecenter.org.



Fall Conference 2013



SENEME Members gathered on October 19, 2013 for the Fall Conference and Annual Meeting. Above left are Louise Rader, Durrell Rader and Mistral Dodson showing off a successful Bluefishing Trip, and above right is the cake in honor of SENEME's 30th Anniversary. Below left is Heather Crawford, marine educator, delivering the keynote address "In a Changing Sea: A Look at the Science and Implications of Climate Change in our Communities and Classroom," and below right are Conference participants building hydraulic arms during the "How Do We Explore" session led by Susan Haynes of NOAA Office of Ocean Exploration.



Photos courtesy of
Trina Barrett, Andrea Gingras & Lauren Rader

DATES TO REMEMBER

November 19, 2013 - SENEME Board Meeting, Conference Call, 4:30 - 6:00 pm

January 21, 2014 - SENEME Board Meeting, Mystic Aquarium, Mystic, CT, 4:30 - 6:00 pm (Tentative)

July 19 - 24, 2014 - NMEA 2014, Loews Annapolis Hotel, Annapolis, MD

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

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



Set a course for 39N, 076.5W!

**July 19-24, 2014
Loews Annapolis Hotel
Annapolis, Maryland**

Visit www.nmea2014.com for more information!

Like us on Facebook, and

Follow us on Twitter @NMEA2014

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



The Nautilus 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 Winter Issue is January 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)

☐ Teacher

☐ Retired

☐ Scientist

☐ Consultant

☐ Principal

☐ Professor

☐ Dept. Head/Chair

☐ Other _____

☐ Student

☐ Superv./Coord.

☐ Administrator

Disciplines (check all that apply)

☐ Biology

☐ Environmental

☐ Computer Science

☐ Other _____

☐ Physics

☐ Science

☐ General Science

☐ Chemistry

☐ Physical Science

☐ Tech Education

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

☐ K – 5th Grade

☐ 6th – 8th Grade

☐ 9th – 12th Grade

☐ 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