



# The Nautilus

www.seneme.org

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Number 1

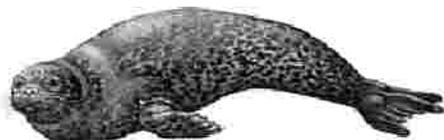
## Letter from the President

I enjoyed seeing new and old faces at our Annual Fall Conference. Once again, Lauren Rader and Project Oceanology did a great job hosting the Conference. Our keynote speaker, Dr. Vincent Breslin, delivered an informative speech about oil spills, and our ever increasing consumption of fossil fuels. Let's hope that we have learned from these disasters, and oil spills become only cautionary tales of the past. I especially appreciated learning the difference between the cleanup process of deep water and surface spills. I was shocked to hear that there was very little improvement in the technology used to cleanup spills since the Exxon Valdez in 1989. In contrast, during this same time period, the Internet was launched and grew to become such an essential part of our lives.

This past weekend, I had the opportunity to hear Bill Nye speak in Baltimore at the NSTA Regional Conference. His topic was climate change. Although many experts have voiced their thoughts on this issue, Bill Nye provided a unique perspective on this challenge mixed with his usual humor and kid-oriented message. I left his speech feeling inspired that my job as an educator does make a difference for this planet. It was something I have always believed, but it was nice to have support for our profession. Bill Nye spoke of not just small individual lifestyle changes such as recycling but of developing big ideas to save our planet. Interestingly, some of the current big ideas about slowing down global warming involve the ocean, such as making bubbles to increase the amount of heat reflected off of the Earth. So like children of the space generation, we have the opportunity to inspire students into scientific and engineering careers that will develop technologies to improve our planet for all. I wonder what this generation will be called.

Thank you to the SENEME Board and members for making it an enjoyable year and for giving me the privilege of serving as your President. Have a great school year and have fun continuing to inspire those kids to change the world.

Amy Ferland  
SENEME Past-President



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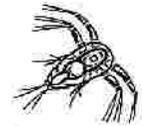
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## Nauplius Notations

By Donna Dione, Editor



Well, if you weren't there, you missed another awesome Fall Conference. Although, I was ensconced in Auction duties much of the time, I still managed to sneak away for a field trip to Pine Island. It was a wonderful (albeit quite gusty) afternoon led by Brae Rafferty where we learned about the many micro habitats on the island along with the interesting history that has transpired there. Many of us were also amazed at the size of the sea glass we were finding out there. Needless to say, my daughter was quite excited to have these "enormous" additions to her collection.

The excitement continued as we returned to the Avery Point docks at the same time as the blue fishing trip which had been relegated to a small boat due to the gales. Imagine our shock to see them with one of the largest bluefish ever caught at a SENEME Conference! Many of us thought they were pulling a fast one on us with a fake fish, until we actually touched it!!

Pictures later in this newsletter will give you an idea of the fun variety experienced this year. So you don't miss next year, make sure you save October 15, 2011 on your calendar, now!!

### SEMEME Organizational Members

Mystic Aquarium & Institute for  
Exploration

Project Oceanology

Save the Bay

URI Office of Marine Programs

Thank you for your support!!

### SEMEME 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 Vicki Sawyer

## SAVE THE DATE



NMEA 2011:  
 Cape to Cape: In the Hub of Marine Education  
 June 29 - July 3, 2011  
 Northeastern University

Visit: <http://www.massmarineeducators.org/NMEA2011/> for more information as it becomes available and to view the promotion video for the Conference.

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## News from NMEA: Looking to the Future

By Lauren Rader, SENEME Chapter Representative to NMEA

The 2010 NMEA National Conference, Mountains to the Sea, was held in Gatlinburg, TN this past summer. Guest lecturers included Dr. Eugenie Clark and Dr. George Benz, a CT native and UCONN alumni. The Tennessee Educators of Aquatic and Marine Sciences held a wonderful, exciting and educational conference at the beautiful Smoky Mountains National Park, and a good time was had by all who attended. As always, SENEME was well represented at this national conference - we even made it the semi-finals of the annual Twister tournament! The 2011 NMEA Conference is moving back east to Boston, Massachusetts. Start planning now to attend this inspiring and invigorating event and plan to stay in Boston to celebrate the 4<sup>th</sup> of July! More information about future NMEA Conferences is available on the NMEA website ([www.marine-ed.org](http://www.marine-ed.org)).

In March 2011, the National Science Teachers' Association (NSTA) Conference will be in San Francisco, CA. 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!

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The SENEME Board would like to give special thanks to Project Oceanology, Connecticut Sea Grant, URI Office of Marine Programs and Panera Bread Co. for their generous sponsorship donations towards the SENEME Fall Conference.



## SENEME AWARDS



Lauren Rader, Scholarship & Awards Committee

SENEME was proud to announce the recipients of the 2010 Marine Educator of the Year and Life Member Awards at this year's Annual Conference.

The 2010 Marine Educator of the Year Award was presented to Vicki Sawyer, an Aquarist at The Maritime Aquarium at Norwalk. This award is given for effective and innovative teaching by either a classroom teacher or a professional not in the classroom. Vicki began her career as a volunteer with The Maritime Aquarium (TMA), then worked as an aquarium educator and finally moved to the husbandry staff. For the past 22 years, Vicki has been welcoming visitors to the Aquarium with her three-times-daily seal feedings. As described by the Director of Education at TMA, these programs are structured and interactive and include a brief welcome followed by explanations of seal biography, behavior and care, population dynamics and ecology and a conservation message. The presentations are always followed by public Q & A sessions that last long after the feedings have completed.

Vicki's impact on marine education extends beyond the public presentations with her dedicated work as a mentor to volunteers and interns at TMA. Over the past 8 years, she has mentored over 88 college students and 120 high school students; taking the time to engage, educate and encourage these students in their quest for knowledge.

The 2010 Life Member Award was presented to Katrina Barrett, an Educator at the Mystic Aquarium & Institute for Exploration. This Award is the highest recognition the Association offers and is reserved for those individuals who have demonstrated a distinguished career in teaching, research or service to marine education. Trina has been an active SENEME Board member for over 20 years, and she just celebrated her 35<sup>th</sup> Anniversary at Mystic Aquarium. During her tenure at the Aquarium, she has worked with the youngest of learners - focusing her energy and enthusiasm for learning on children in preschool and grades K-6. Trina schedules and teaches the Aquarium's system-wide programs and conducts outreach programs featuring teachers in costumes of marine animals.

Trina's dedication to SENEME has been shown through her recruitment of new members and Board members, as well as serving as Recording Secretary, Editorial Assistant and Co-Chair of the 2002 NMEA Auction Committee. "She used her meticulous attention to detail to ensure this large event was a success." Trina has also been a well-loved presenter at SENEME conferences, presenting her work on art and literacy in science.

**Congratulations to both of our recipients!**

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### HURRICANES: SCIENCE AND SOCIETY WEBSITE

The University of Rhode Island Graduate School of Oceanography (URI/GSO) has launched one of the most comprehensive Internet resources on hurricanes, Hurricanes: Science and Society (HSS) at <http://www.hurricanescience.org>. The HSS website and its associated educational resources provide information on the science of hurricanes, methods of observing hurricanes, modeling and forecasting of hurricanes, how hurricanes impact society, and how people and communities can prepare for and mitigate the impacts of hurricanes.

In addition to in-depth science content, the website includes educational resources, case studies, and a historical storm interactive. Information is tailored for specific audiences, including middle school through undergraduate educators and students, the general public, and the media. All content has undergone rigorous peer review by an esteemed panel of hurricane experts.

The development of the HSS website was led by GSO's Gail Scowcroft and Isaac Ginis, and designed in coordination with Raytheon Web Solutions. The website made possible by a grant from the Informal Science Education Program of the National Science Foundation.

To receive more information about the Hurricanes: Science and Society project, please contact Holly Morin via email ([hmorin@gso.uri.edu](mailto:hmorin@gso.uri.edu)) or by phone (401-874-6414).

## NAUPLIUS NOSTALGIA

This feature resurrects articles from the archives of "The Nauplius."  
Compiled by Donna Dione, Editor

Reprinted from The Nauplius, Fall 1993, Volume V, Number 1

### SOUND NOTES FROM THE WATER COLUMN

By Joseph Hage

It was a cool October morning, the leaves were just beginning to change on Bushy Point and Pine Island, and the water was flat calm. There was a slight mist rising from the bay which shrouded the boats and buoys with thin veils of ephemeral vapors. As the sun began to inch above Bluff Point, the leaves on the island and shore began to reveal their colors. Steve Brown and Chris Ozmun were unpacking some of their gear at the Project Oceanology parking lot, preparing for their presentation at the SENEME Fall Conference. Steve and Chris informed me that they were also participating in my afternoon workshop of snorkeling the south-side of Pine Island. Up until I met the rest of the workshop participants, I did not think any SENEME Conference goers were crazy enough to jump into the cool October waters to go snorkeling. As soon as I met the balance of the group, Lance Arnold and Matt Shardt, however, I was assured that there were people that love being in the water and would not balk at the opportunity. Of course, this was over coffee and donuts in the warmth of the campus cafeteria.

After bolting some lunch down, I rushed to the docks to find Lance, Matt, Chris and Steve patiently waiting, and after donning my wet suit, we were off. We decided to explore a strip of rocky coast in an embayment of Pine Island in Fishers Island Sound. We anchored up in an unusually low tide between a large hummock of rocks and shore where we felt relatively protected. Lance was the first into the water and with only a wet suit top, he was off exploring. Before we could get in ourselves, Lance was bringing specimens back for his aquaria. Luckily, Matt brought a cooler which we commandeered as our official specimen tank. I timidly slipped into the water expecting . . . . . However, the wetsuit did its job, and I became acclimated quickly. The initial shock was replaced with a rush of excitement. The visibility was spectacular for being in Fishers Island Sound. The bottom features were interesting, and there was plenty to see.

The final tally of observed and or captured organisms included several skates, blood stars, urchins, mussels, whelks, large sea stars, a blackfish, and wonderful crops of algae. The group agreed that this was worth the effort, and we returned to the conference looking forward to the clambake waiting for us. I would like to thank Lance, Steve, Chris and Matt for signing up for the workshop, because it was offered as an experimental choice for the conference, and I would not have had the impetus to go out on my own.

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## 2011 Narragansett Bay Tide Calendars

The 2011 calendar uses photographs from local artists, most of whom entered our annual contest for the cover shot of the tide calendar. Their gorgeous shots bring to light many of the issues the Narragansett Bay Research Reserve works on each year in Narragansett Bay. This year's winning photograph was by Winston Ajce.

We hope you enjoy the new smaller format of the calendar. It's the perfect size for your tackle box, glove compartment, boat bag, or beach tote.

You can pick up a copy of the calendar at Rhode Island public libraries within 5 miles of Narragansett Bay, or you can download the calendar at <http://www.nbnerr.org/tides11.htm>.

# Fall Conference 2010



Above: Incoming President Lauren Rader (right) presents Keynote Speaker, Dr. Vincent Breslin, with a SENEME thank you gift.

To the left: Outgoing President Amy Ferland (right) presents Vicki Sawyer with the SENEME 2010 Marine Educator Award.

Below: Lauren Rader (right) presents Katrina Barrett with the SENEME 2010 Life Member Award.

Photographs courtesy of  
Katrina Barrett

Visit the SENEME Website  
at  
[www.seneme.org/SENEME  
PHOTO.htm](http://www.seneme.org/SENEME_PHOTO.htm) to see more  
great photos of the  
Conference.

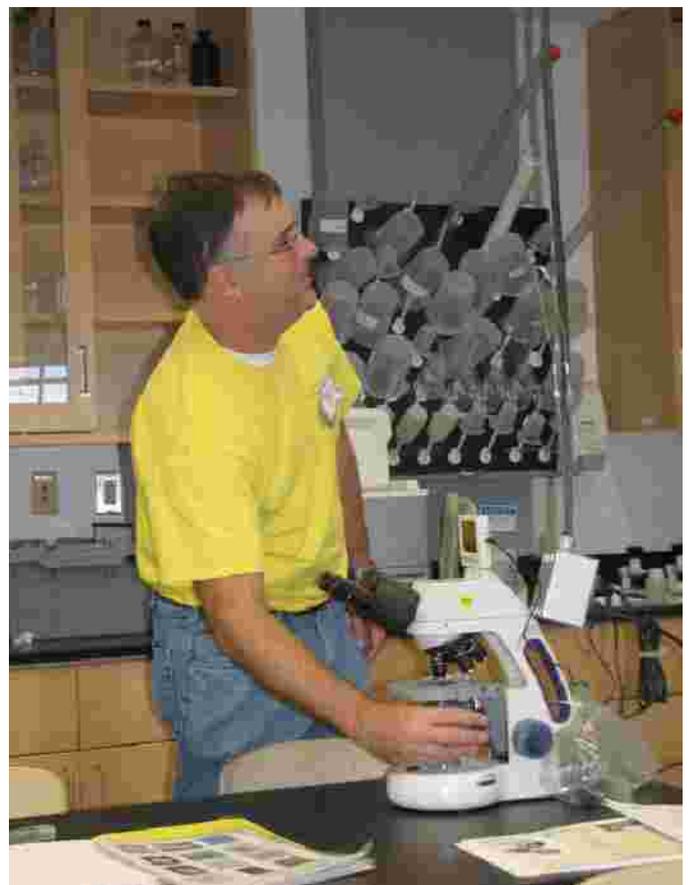




Top: Arlyn Kilduff (left) and Kate Lowe had a successful afternoon of bluefishing.

Bottom left: Bluefishing Trip Leader, Joe Hage, models the bluefish before filleting it.

Bottom right: Mike O'Connor teaches about the Phytoplankton Monitoring Network.



## SENEME Auction - Never a Dull Moment!!

Thanks to the generous contributions of those listed below and the rousing competition amongst the bidders, the Annual SENEME Auction was another great success. We raised over \$1000 that will go towards our Scholarships & Awards Fund. SENEME and the Auction Committee gratefully acknowledge the following individuals and organizations:

Live Auction donations: Mystic Aquarium & IFE, Project Oceanology, Lorrie Martin and SENEME

Silent Auction donations: Diane Adams, Donna Dione, Maryann Scholl, Lauren Rader, Louise Rader, Julie Ainsworth, James Stuart, Darell McIntire, Cristina Bourassa, Susan Haynes, Jill Johnen, Clive Tucceri, Marine Science Magnet High School, Fluid Imaging Technologies, Mystic Aquarium & IFE, URI Office of Marine Programs, and New London Ledge Lighthouse Foundation.

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### National Ocean Sciences Bowl

#### “Living on the Ocean Planet” Video Contest

*Attention high school students and teachers!*

The National Ocean Sciences Bowl (NOSB®), in partnership with the National Marine Educators Association (NMEA) and the Ocean Today Kiosk, is sponsoring the “2011 Living on the Ocean Planet” video contest.

Any students currently enrolled in high school are eligible to submit a 2 minute video on this year’s contest theme, “Human Responses to Ocean Events,” which includes both natural and unnatural activities within marine and freshwater environments. Prizes will be awarded to the top submissions at both the regional and national level. The 1<sup>st</sup> place national video team will receive HD Flip video cameras and an all expense paid trip to Galveston, TX from April 29-May 1, 2011 to premiere their video. The 1<sup>st</sup> place team’s video will also premiere on the Ocean Today Kiosk!

**Deadline for Video Submission: Friday, January 28, 2011**

**For more details: [www.oceanleadership.org/NOSB-video-contest](http://www.oceanleadership.org/NOSB-video-contest)**

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### “WORLD OF 7 BILLION” VIDEO CONTEST

**Human population is set to reach seven billion by the end of 2011.** As this historic moment approaches, Population Connection is hosting a nationwide video contest for high school students. The contest challenges students to create a video public service announcement that illustrates the impact of population reaching seven billion as it relates to environmental and global issues.

With cash prizes of up to \$1,000 available to winning videos, **the deadline for entries is March 1, 2011.** But there's something in it for you, the teacher, as well! If at least 10 of your students submit videos, we'll send you a set of free classroom resources. This is a teachable moment you don't want to miss!

Contest information and forms are available at [www.Worldof7Billion.org](http://www.Worldof7Billion.org). If you have any questions, please email us at [Worldof7Billion@populationconnection.org](mailto:Worldof7Billion@populationconnection.org) or call 1-800-767-1956.

## 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: \_\_\_\_\_

Are you a member of the SENEME Listserv? YES/NO

If NO would you like to become a member of the SENEME Listserv? YES/NO

Would you like to be a member of the SENEME Newsletter serv? YES/NO

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](mailto:dmrione@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 20, 2011.

SENEME  
c/o Project Oceanology  
1084 Shennecossett Rd.  
Avery Point  
Groton, CT 06340



## DATES TO REMEMBER

January 20, 2011 - SENEME Board Meeting via Conference Call, 4:30 - 7:00 pm

February 5, 2011 - Quahog Bowl, UConn Avery Point Campus

March 10 - 13, 2011 - NSTA Conference, San Francisco, CA

March 17, 2011 - SENEME Board Meeting via Conference Call, 4:30 - 7:00 pm

May 19, 2011 - SENEME Board Meeting, URI Bay Campus, Narragansett, RI, 4:30 - 7:00 pm

June 16, 2011 - SENEME Board Meeting, Project Oceanology, Groton, CT, 4:30 - 7:00 pm

June 29 - July 3, 2011 - NMEA 2011, Northeastern University, Boston, MA

October 15, 2011 - SENEME Fall Conference & Annual Meeting, Project Oceanology, Groton, CT

Please contact President, Lauren Rader, at [lradler@oceanology.org](mailto:lradler@oceanology.org) for more details about Board Meetings.

Would you prefer to receive your newsletter via email? If so,  
please send a message to the Editor at [dmrldione@quixnet.net](mailto:dmrldione@quixnet.net).  
Thank you!