

# The Nauplius. ©

Volume XIV, Number 3

Spring/Summer 2003

## NAUPLIUS NOTATIONS

Considering most of us on the SENEME Board came to this realization just a couple months ago, I'm guessing the majority of SENEME members are also unaware that 2003 is a milestone year for our organization. In August, SENEME will be celebrating its 20<sup>th</sup> Anniversary!! Twenty years ago, SENEME was formed when the Rhode Island and Connecticut Chapters of the National Marine Educators Association decided to join forces. While there have been a few struggles along the way to keep the organization going, I think we can be proud of where SENEME is on this anniversary. We have grown to an organization of around 200 enthusiastic members, and we hosted an awesome (might I even dare say, "the best") National Conference last year! Later this year, we hope to be unveiling a new t-shirt logo and hosting a celebration at the Fall Conference to commemorate this special anniversary.

I have a few big "THANK YOUS" I would like to make on behalf of the SENEME Board. The first set of "thank yous" goes to Chris Newlan, Director of Education at Schooner Sound Learning, and the crew of the *S/V Quinnipiack* for hosting our May Board Meeting. We enjoyed a productive and exhilarating (a polite way of saying it was so chilly we didn't have to worry about anyone falling asleep!) sailing meeting around New Haven Harbor. The second set are to Jill Johnen for coordinating and hosting the Beavertail Geology Exploration, to her husband, Mark, for grilling up our awesome lunch just a couple hours before hopping on a plane to fly to the West Coast and to Brad Hubeny who led the Exploration. Brad is a PhD candidate in Geological Oceanography at the University of Rhode Island Graduate School of Oceanography, and he was one of the most enthusiastic trip leaders I have ever experienced! It was a great afternoon on the Rhode Island shore as you will see by some of the photographs in this issue.

If I don't see you at "Coals on the Coast" or at the NMEA 2003 Conference, I hope you have a great summer! Remember to mark you calendars for the Fall Conference and 20<sup>th</sup> Anniversary Celebration on October 18, 2003!

**Donna R. Dione, SENEME President**

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## ***FROM THE BOARD ROOM.....***

After a few months in cyberspace limbo, the SENEME website is back on track with up to date information on SENEME happenings along with some other surprises. Check it out at [www.oceanology.org/SENEME/SENEME.html](http://www.oceanology.org/SENEME/SENEME.html).

Over the past year, the SENEME Board has been working on updating the organization's Bylaws and Constitution. The most notable proposed changes are to establish term limits for Officers and to establish a President-elect position. At the Annual Meeting on October 18, 2003, the proposed changes will be presented to the membership for their consideration.

There is still plenty of time to register for the National Marine Educators Conference (NMEA) 2003 Conference in Wilmington, NC from July 20 – 24, 2003. Visit [www.marine-ed.org/nmea2003](http://www.marine-ed.org/nmea2003) for information and to download a registration form. We have a small, but very enthusiastic SENEME contingent planning to attend and would love to have you join us!

Please feel free to contact us at anytime with any questions, comments or ideas you have for future SENEME events. SENEME Board members can be reached at [senemeboard@yahoo.com](mailto:senemeboard@yahoo.com).

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*The Nauplius* is the newsletter of the Southeastern New England Marine Educators Association (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 R. Dione, 146 Essex Street, Deep River, CT 06417-1901; e-mail: [senemeboard@yahoo.com](mailto:senemeboard@yahoo.com); or fax: 860-526-8392. When sending items via computer disk or e-mail, it is helpful to have them typed in Microsoft Word, in the font of "Times New Roman, size 10". All disks and pictures will be returned.

**The deadline for the Fall issue is October 20, 2003 with Bulletin Board items dated for events occurring after December 1, 2003.**

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## **BULLETIN BOARD**

## MARITIME EDUCATION NETWORK

### FAMILY BOATBUILDING EXTRAVAGANZA!!

Have your family join in the fun as you work together under the guidance of a skilled boat builder, to complete your own boat in two weekends, guaranteeing a memorable summer of on-water activities! Builders receive plans, materials and instruction for a 16' Brockway, suitable for rowing or motoring. Safe Boating Certificate instruction available on site through U.S. Coast Guard.  
Time: June or July; Fee: \$1,500 per family; Call for details.

### SUMMER PROGRAMS FOR KIDS

#### MARINE DISCOVERY PROGRAM

Grades 1,2,3, and 4

Join us for a week of fun, marine science and hands-on learning! Students will gain an appreciation for the importance of Long Island Sound Ecosystems by exploring tidal pools, mud flats, rocky shores, sandy beaches and salt marshes. First, meet the creatures of Long Island Sound in our aquariums...then at the shore discover them in their natural habitat. Other activities will include setting up a salt-water aquarium, boat excursion, seine netting, crabbing, species identification, beach scavenger hunts and marine arts, crafts and games. *Space is limited so register early.*

\$200 per week; 9:30 am – 3:30 pm

July 7 – 11, July 14 – 18, July 21 – 25, July 28 – Aug 1, Aug 4 – 8, Aug 11 – 15, Aug 18 – 22, 2003

#### MARINE EXPLORERS (On-Water Expeditionary Program)

Grades 5,6,7,8,9

Have you always wanted to learn about fishing, coastal studies, navigation and charting? Do you dream of spending summer days exploring inlets and islands, rich with folklore and history? If so, join us for an exciting week aboard our vessels. Each day, students will enjoy a new adventure in the Long Island Sound watershed. Explore ecosystems and identify the creatures that inhabit them. Trawl for fish. Pull a lobster pot. Learn to navigate. Engage in water quality and other scientific testing. This hands-on program is guaranteed to be fun and educational. (Staffed by Coast Guard certified Captains & Experienced Professionals.) *Space is limited so register early!*

\$275.00 per week; 9:00 am – 3:00 pm; June 23 – 27, July 21 – 25, Aug. 25 – 29, 2003

**Call 860- 388-4180 or e-mail [maritime-edu@juno.com](mailto:maritime-edu@juno.com) for registration form for any of the above programs.** The Maritime Education Network is located in Old Saybrook, CT.

## BOATS BOOKS & BRUSHES WITH TASTE

### **September 5-7, 2003**

Great books, talented cooks, Tall Ships®, and super sandcastles: these are just a few ingredients in “Boats Books & Brushes with Taste,” a literary, art, maritime, and food festival on the waterfront in New London, Connecticut September 5-7, 2003. Enjoy readings and book signings by well-known writers on Author's Row. Learn about maritime history and our continuing connection to the sea, listen to live music and storytellers, or work up an appetite at the Cooking Stage. Take part in hands-on arts and crafts adventures with the kids, march in the Storybook Character Parade, visit Reading Rocks! and a Reading Marathon, or enjoy exciting stage entertainment. Sailing and boating enthusiast? Tour the U.S.C.G. Eagle and other Tall Ships® at City Pier and watch working schooners race in the 4th Annual New London Schooner Challenge or sail in the Salute to the Armed Forces Parade of Lights, a nighttime, lighted boat parade.

Sample gourmet food, fine wine and beer served by New England's finest chefs and restaurants.

**The event organizers are still looking for more exhibitors for the maritime heritage pier for that weekend. Interested exhibitors and interpreters of maritime heritage and maritime professions are encouraged to contact them.**

For more information call Connecticut's Mystic & More at 1-800-TOENJOY (1-800-863-6569) or visit [WWW.BBBFEST.ORG](http://WWW.BBBFEST.ORG).

## **URI'S NARRAGANSETT BAY CLASSROOM**

### **COASTAL INSTITUTE VISITOR CENTER - Tuesdays & Thursdays**

Coastal Institute Bookstore and Living on the Edge: An Interactive Coastal Exhibit, 11:00 am – 1:00 pm. FREE Admission to exhibit. Group programs and tours by appointment. At URI's Narragansett Bay Campus, South Ferry Road, Narragansett (off Route 1A). Call the Office of Marine Programs for information or directions, 401-874-6211.

### **BEACHCOMBING FOR KIDS**

**Saturday, June 28, 2003; Saturday, July 26, 2003; and August 23, 2003**

Explore the shore at Fort Getty, one of Rhode Island's unique coastal beaches, on a two-hour beach walk. This class is a special chance for young people to have their questions answered about the plants, animals, and minerals found on the beach. Meet at Fort Getty State Park, Jamestown from 12:30 pm - 2:30 pm. These programs are free, but pre-registration for each individual session is ABSOLUTELY required, call 401-874-6211 to register.

### **SUMMER FESTIVAL BY THE BAY**

**Friday, July 18, 2003**

A Friends of Oceanography Summer Event. Exhibits, Door Prizes, Chowder and Clamcakes, Chicken Barbecue, Silent Auction, Live Music, Dancing. 5:00 pm till dark under the tent at URI's Narragansett Bay Campus. Tickets are \$20 per person. For more information, call Friends of Oceanography, 401-874-6602 or email [friends@gso.uri.edu](mailto:friends@gso.uri.edu).

### **JASON XV: RAINFORESTS AT THE CROSSROADS/PANAMA TRAINING WORKSHOP**

**Wednesday, July 23, 2003, 8:00 am – 4:00 pm**

The workshop will take place at the Coastal Institute Visitor Center, URI's Narragansett Bay Campus, South Ferry Road, Narragansett (off Route 1A). Fee is \$20 for RI teachers and group leaders, \$50 for others. Preregistration through the Narragansett Bay Classroom IS required. For information or directions, call the Office of Marine Programs, 401-874-6211.

### **HISTORIC SOUTH FERRY WALKING TOUR**

**Thursdays, July 24 and August 7, 2003**

Enjoy an interpretive walk featuring the historic South Ferry area. The tour meets at the Coastal Institute Visitor Center, URI's Narragansett Bay Campus, South Ferry Road, Narragansett (off Route 1A). The tour begins at

10:30 am with a half-hour presentation of historic photos followed by an hour-long walk. The tour is free and preregistration is NOT required. It is designed for adult audiences. For more information, contact the Office of Marine Programs, 401-874-6211.

## **NEW ENGLAND ENVIRONMENTAL EDUCATION ALLIANCE 37<sup>TH</sup> ANNUAL CONFERENCE**

### **ALL TRACKS LEAD TO WOODSTOCK**

**September 19 – 21, 2003**

Hosted by the Connecticut Outdoor Environmental Education Association at Camp Woodstock, Woodstock, CT. Contact Conference Co-Chairs Paula Coughlin ([paulacoughlin@earthlink.net](mailto:paulacoughlin@earthlink.net)) or Brook Coffee ([greenbrook@snet.net](mailto:greenbrook@snet.net)) for more information.

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## **WHAT IS IMMERSION INSTITUTE?**

*Information courtesy of Kim Standish*

The Immersion Institute is a division of the Mystic Aquarium & Institute for Exploration. Its largest component is the new Immersion Institute Theatre, which accommodates 36 people at 18 interactive computer consoles. The theatre features two programs that utilize innovative live video hook ups, interactive computer technology and high definition video productions. *Sharks: Predator/Prey* explains the intricate oceanic food web through a touch-screen interactive game where guests work their way up the food chain while trying to avoid being eaten and becoming a Great White Shark. The *National Marine Sanctuaries* program allows guests to get as close as they can get without getting wet, as they explore the creatures and plants that inhabit the kelp forest habitat in Monterey Bay, California. Visitors are able to operate an actual ROV (remotely operated vehicle) in the Monterey Bay, CA kelp forest right from Mystic, CT. The footage received is live with little to no lag time from across the country! This program also involves an interactive touch-screen experience, where guests work against the clock to try to answer as many questions as they can about the marine critters that they encounter under the water's surface.

### **NATIONAL MARINE SANCTUARY PROGRAM – Monterey Bay**

A partnership was forged between Mystic Aquarium & Institute for Exploration, NOAA (National Oceanic and Atmospheric Administration) and the National Marine Sanctuaries to bring this program to the Institute. This network will allow public visitors and schoolchildren to reach out to Marine Sanctuaries in their backyard or halfway around the world.

The first National Marine Sanctuary to be highlighted is the kelp forest located in Monterey Bay, 3000 miles across the country. Using the most current communication technology, telepresence technology, underwater footage is obtained from the ROV named *Orpheus*. At certain times of the year, the program involves guests actually driving and manipulating the ROV located in CA, from right in Mystic, CT! Amazing! The unique aspect of this program is that it is "national" in scope – eventually offering tours of our other National Marine Sanctuaries.

In the near future, ROV's will be placed in:

**Channel Islands NMS** (elephant seal breeding ground)

**Florida Keys NMS** (world's third largest coral reef system)

**Thunder Bay NMS** (historical shipwrecks).

The goal in highlighting the 13 National Marine Sanctuaries is to foster in people a respect and an appreciation for not just our Marine Sanctuaries but for all marine environments. Only by making a

personal connection by experiencing the Sanctuaries will people be inspired to understand their role in conserving the world's oceans.

**SHARKS: PREDATOR/PREY**

Will you survive? Visitors will find out when they play *Sharks: Predator/Prey*. This computer interactive game is based on the principles of the oceanic food web, which are eat or be eaten. Guests will have to navigate their sea creature through its underwater environment on their touch screen consoles to find food and habitats and most importantly, avoid becoming "dinner" as they do so. Guests will be playing against everyone one else in the theatre. This game is competitive, fun and educational.

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## **Bringing Long Island Sound Watershed Materials and Resources to YOUR Classroom!**

*By Diana Payne*

The Long Island Sound Mentor Teacher (LISMT) program has completed its first year of bringing "tried and true" Long Island Sound (LIS) watershed lessons, activities and resources to teachers throughout Connecticut. Funded by the EPA Long Island Sound Study and facilitated by Connecticut Sea Grant, the LISMT program seeks to recruit teachers to share successful LIS watershed activities and resources with their peers.

The objectives of the LISMT program are to:

- Increase the visibility and use of existing LIS print, digital and video resources by the K-12 educational community through a series of professional development workshops;
- Increase the general public's understanding of LIS as a natural resource by utilizing informal educational resources and displays;
- Increase the awareness of LIS and its watershed by producing educational posters and activities for K-12 formal and informal educators.

Throughout the 2002-03 school year, the selected Mentor Teachers planned workshops for their peers to share successful strategies for implementing LIS into the curriculum. All workshops were aligned to the Content Standards from the Connecticut Science Frameworks and/or the National Science Education Standards. Although the main curricular focus was science, the LISMT have integrated technology, literature, mathematics, history, and other relevant topics. The LISMT were separated in to grade level appropriate clusters (grades 3-5, 6-8, and 9-12) to plan, develop and market the workshops. Monies from the grant provided both the LISMT and workshop participants with educational materials and resources from Sea Grant, the Long Island Sound Study (LISS), Schooner Sound Learning, the Long Island Sound Foundation, the National Undersea Research Center (North Atlantic and Great Lakes), and the CT Department of Environmental Protection. An overview of each workshop or workshop series is summarized below:

*Backyard Biology: Integrating Long Island Sound into Your Connecticut Classroom*, was hosted by The Maritime Aquarium at Norwalk, and was led by Susan Tiedemann

and Julie Warren. Materials, resources, and activities were targeted to grades 3-5. Topics covered included the geology and geography of LIS, creatures of LIS and water quality monitoring. Participants were provided with water test kit materials and activities for the classroom. Following a discussion with Alan Winick, who has built a working submarine, participants were invited to explore the sub – a few participants even climbed in! The day concluded with a field study cruise aboard the Aquarium’s research vessel, the *R/V Oceanic*.

*A Watershed Sampler*, led by Jonathan Harger and Beth Troeger, introduced teachers to interdisciplinary activities throughout the Thames River watershed. The two-day workshop for teachers of grades 6-8 included visits to the Slater Museum, Yantic Falls, and the Ledyard Glacier Park. The Slater Museum provided a unique opportunity for participants to integrate earth science, history, art and writing. Yantic Falls was the setting for geology, topography and storytelling activities. Geology, writing and mathematics were the focus at the Glacier Park in Ledyard. On day two, participants were treated to Dr. Ralph Yulo’s words of wisdom at Bluff Point, followed by a demonstration of activities and resources at Project Oceanology.

*Long Island Sound: A River Runs To It* is the theme for the workshop led by Heather Botelle, Frank LaBanca, Alex Pesarik, George Wine, and Seth Yarish. Two sessions will be held: Monday, June 30 at Bluff Point and Project Oceanology in Groton, and Tuesday, July 1, at the Connecticut Audubon Coastal Center at Milford Point and aboard the *S/V Quinnipiack* in New Haven. The workshop is designed for all high school disciplines, and includes a walking watershed and estuary tour, field demonstrations, and “on-the-water” activities. Both workshops will present the same content and materials, including toxicology, sediment analysis, commercial fisheries and technology, water chemistry, environmental impacts, watershed and estuarine analysis. The past, present and future of LIS will be discussed, as well as connections to CAPT and the Connecticut Science Frameworks. These workshops include take-home equipment, resources, and a FREE raffle for a hand held GPS unit!\*

Funding has been awarded to continue the LISMT program for the 2003-04 school year! In addition to the workshop series, the LISMT and Connecticut Sea Grant will work with the Long Island Sound Foundation and its Education subcommittee to develop activities to complement the popular LIS calendar contest (grades K-6), and a new LIS photo contest for grades 7-12!

To receive an application form to be considered for a LISMT position, or to be placed on an e-mail list to receive notification of upcoming workshops, contact Diana Payne at [Diana.Payne@uconn.edu](mailto:Diana.Payne@uconn.edu).

**\*The timing of newsletter publication was uncertain at the writing of this article; please contact Diana Payne for information on attending *Long Island Sound: A River Runs To It*.**

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## **A New Era of Marine Science Education (continued).....**

*By Diana Payne*

Nearly two years ago, I invited the SENEME community to participate in a new and exciting opportunity in ocean education via the Ocean Explorer (OE) web site. This educational tool allows educators, students and the general public to follow a scientific research cruise almost as it happens! Reports, photographs and video, in the form of Daily Logs, keep everyone up-to-date on the progress of the expedition. In my case, as a member of *Deep East 2001*, entries covered everything from Hurricane Erin (that went “safely out to sea”), to canceled *DSV Alvin* dives and the aftermath of 11 September, to the stunningly beautiful deep-sea corals of Oceanographer Canyon.

I would again like to invite you to participate in the *Mountains in the Sea – Exploring the New England Seamount Chain*, July 10-19, 2003 aboard the *R/V Atlantis*, and utilizing the *DSV Alvin*. Seamounts are “undersea mountains” arising from the ocean floor as a result of volcanic activity. The organisms of the New England seamount chain are not well documented, although the physical and geological oceanography have been studied extensively. Of particular interest to the scientists on this research cruise are the deep-sea corals and fishes, and the effects of bottom trawling activities on seamount biodiversity.

Mission-specific lesson plans for grades 5-12, as well as Daily Logs (written by educators and scientists participating in the expedition) available in near-real time, will be posted on the Ocean Explorer website. Lessons and activities are aligned with the National Science Education Standards, and focus on exploration, life science, earth science, and physical science. Connections are made to other disciplines, including language arts and mathematics. Historical connections will be made by comparing the sampling techniques, scientific illustration/photography and shipboard life aboard the *HMS Challenger* to present day expeditions.

The Ocean Explorer web site provides a unique opportunity to experience life at sea without getting your feet wet, and provides a view of the experiences of scientists and ship’s crew aboard a research vessel. Looking for a way to “hook” your students or children on marine science and related topics? Recent research indicates that the best way to promote involvement is to provide exposure to dynamic experiences which demonstrate the passion and commitment of individuals presently involved in the endeavor – the more dynamic the presentation, the greater the likelihood of triggering follow-up action on the part of students (Renzulli, Joseph. 2002. *Phi Delta Kappan* (84)1: 33-40, 57-58). I suggest real-life, authentic experiences, including those chronicled on the OE web site.

About the Ocean Explorer website:

The NOAA Ocean Exploration program strives to engage broad audiences to enhance America’s environmental literacy through the excitement of ocean discovery. Increasing this literacy requires high-quality, effective collaborations between ocean explorers and America’s teachers. NOAA is forming such collaborations to reach out in new ways to the public to improve the literacy of learners with respect to ocean issues.

This Ocean Explorer website ([www.oceanexplorer.noaa.gov](http://www.oceanexplorer.noaa.gov)) provides an innovative way for students of all ages to learn about the oceans by offering near real-time access to a series of multidisciplinary ocean explorations. It also provides

compelling imagery, video, and topical essays related to the ocean. The Education tab provides a link to the following resources:

### Lesson Plans

A set of 85 hands-on and standards-based lesson plans have been developed that bring entire classrooms “on board” for exploration and discovery. Using new technological “eyes” to see, sense, measure, image, and describe a little known ocean world, scientists and educators are bringing the excitement of late-breaking ocean discoveries into classrooms through the lesson plans presented here.

### NOAA Ocean Explorer CD-ROM

A companion CD-ROM product was produced for situations when users do not have an Internet connection or broadband connection speed, or prefer to use CD products rather than the Internet. It contains the entire Web site as of January 2003 (all the information found on this Web site through the end of the 2002 exploration season, including 85 lesson plans.)

To request a free copy of the CD, point your browser to:  
<http://www.oceanexplorer.noaa.gov/edu/cd/02cd.html>.

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## **CEO: Classroom Exploration of the Oceans – An Online Professional Workshop**

*(Editor’s Note: Although the first two presentations in this series have already occurred, it was felt that SENEME members may be interested in registering for the remaining workshops, so we have included this article. Thanks to Diana Payne for forwarding this information.)*

The National Geographic Society (NGS), NOAA’s Office of Ocean Exploration, NOAA’s Marine Sanctuaries and the College of Exploration will host a 9-part virtual teacher workshop series (April-December 2003) that uses the excitement of ocean exploration to identify how ocean content can enhance learning in the classroom. It is entitled: “Classroom Exploration of the Oceans.” Dr. Sylvia Earle, NGS *Explorer-in-Residence*, will introduce these workshops and inspire teachers on the importance of ocean education. Scientific experts will “present” and be available for an open dialogue. Teachers will be provided with relevant and useful information for their classrooms. “Teacher Consultants” will provide firsthand experience on introducing ocean content to students, and provide a network of peers to provide advice and answer questions. Teachers will gain research findings, lesson plans, news stories, magazine articles, video clips and internet links to ensure that their students become ocean literate. The workshop series will introduce a wide array of topics that are linked to the National Geographic Society’s *Ocean Atlas Teacher’s Guide* and the new “Oceans Scope and Sequence” for K-12 Teachers.

## FREQUENTLY ASKED QUESTIONS (FAQ)

### *What is this program about?*

This virtual workshop series, *Classroom Exploration of the Oceans*, is an online education program for educators and will last for 9 months. Once a month there will be a week long, intense workshop where experts in the field and educators all interact with each other. The web site will remain open for the entire 9 months to provide a community atmosphere for the participants.

The National Geographic Society, NOAA's Office of Exploration, NOAA's Marine Sanctuaries and the College of Exploration will host this virtual teacher workshop series that uses the excitement of ocean exploration to identify how ocean content can enhance learning in the classroom. Dr. Sylvia Earle, Society Explorer-in-Residence, will introduce these workshops and provide inspiration to hundreds of teachers on the importance of ocean education.

Teachers will meet scientific experts through on-line presentations who will be available for an open dialogue of questions, answers and exchange of ideas.

This online site is designed and managed by The College of Exploration.

### *How will this online workshop work?*

An online workshop is modeled after traditional face-to-face workshops. For example we may have features such as speaker segments, a place to discuss classroom implementation, a cafe for informal chat and networking, a web-library with a resource center, and a participant directory. All materials gathered and posted during the workshop series will remain accessible throughout the entire 9 series. All the material created and contributed will serve as a resource for more learning programs in the future. Features are scheduled over a period of time such as days or a week, instead of hours to allow participants from all over the globe time to access and respond. There will also be a Help Desk available at all times.

### *When and how can educators join this workshop series?*

There is an online registration page. It will be self-registration. You can join in at any time! Again, the web site will remain OPEN throughout the 9 month period (April through December 2003).

Go to [www.coexploration.org](http://www.coexploration.org) and click on CEO (Classroom Exploration of the Oceans).

### *What about the TECHNOLOGY used here? (e.g., audio conferencing, streaming video, web-based conferencing software)*

The main media used here is text-based, asynchronous conferencing where someone starts a conversation by posting (in writing) and then everyone that arrives after the posting can respond. Posts are made in order of time posted, so the result is much like a real dialogue. Discussion items are separated by subject and the person featured, so it's automatically organized and archived as well. However, we will be introducing other media such as Real Audio and Video Streaming. For this you will require the FREE Real Player from Real Networks. As well, our software (CAUCUS) allows uploading of images and other media files, so basically anything you can do on the web you can do here!

*What are some guidelines for appropriate participation in an online workshop?*

It's as simple as this: be thoughtful to other participants. We are building a community of learners here. We expect many diverse perspectives, experiences, and insights. This will enrich our discussions and overall learning over the length of the program. Be yourself, share your knowledge, and have fun. The only thing that the your hosts will not accept is hostile and obscene language, but we're confident that participants will use their good judgment and expect this environment to be friendly and supportive to everyone involved. As well, this is a professional development program for educators only - so, please, we ask that no children or students join.

*What if I am interested in this a topic, but don't have a thorough background in oceanography?*

Any adult who is interested in teaching and learning about the oceans is encouraged to attend.

*What about ACCESS to the workshop?*

This online series for educators takes place entirely in a password protected web site. Click the Registration link. Only those educators that have User IDs and passwords will be allowed into the site.

*For those who could not "attend" a particular keynote presentation, will it be recorded somewhere?*

All presentations and all the “rooms” (and all dialogue) remains on the web and accessible for the full length of the program. Participants have ample opportunity to "attend" any aspect of the program they want. As a participant, you will have full archive and plenty of time after a keynote or event to go back and catch up on areas that you didn't have time to “attend” during the actual presentation week. And, participants can continue to interact with each other at any time.

## **KEYNOTES and PRESENTERS**

**April 21-25: *The Importance of Ocean Exploration and Education and Ocean Literacy***

- Dr. Sylvia Earle, *Oceans for Life: The Need for Literacy*
- Special Guests: Capt. Craig McLean, Dr. Sharon Walker, Dr. Sarah Bednarz, and Ms. Francesca Cava
- Introduction: Dr. Peter Herring, Southampton Oceanography Centre, and NOAA Office of Exploration
- Special Remarks: Earth Day keynote by Dan Basta, Director, National Marine Sanctuary Program.

**May 5-9: *Living Light in the Ocean*, Dr. Edie Widder, Harbor Branch Oceanographic Institution**

**June 23-27: *Polar Seas*, Dr. Margo Edwards, University of Hawaii**

**July 28-Aug: *Ocean Floor Mapping and GIS in Support of Samoan Coral Reef Management***

Dr. Dawn Wright, Oregon State University

**August 18-22: *The Monitor and The Hunley***

John Broadwater, NOAA & Dr. Robert Neyland, Naval Historical Center

**September 22-26: *Hydrothermal Vents*, Dr. Stephen Hammond, NOAA**

**October 27-31: *The Oceans and Human Health: New Drugs from the Sea*, Dr. Shirley Pomponi, Harbor Branch**

Oceanographic Institution and *Deep-water Coral Reefs off Southeastern USA*, Dr. John Reed, Harbor Branch  
Oceanographic Institution

**November 3-7: *Water Column Life & Research*, Dr. Bruce Robison, Monterey Bay Aquarium Research Institute**

and **Crittercam**, Greg Marshall, National Geographic Television & Film

**December 15-19: *El Nino, La Nina*, Dr. Francisco Chavez, Monterey Bay Aquarium Research Institute**

## **CONGRATULATIONS!**

### **Secretary of State's Public Service Award**

***"In recognition of your dedicated service and contribution to state boards and commissions in Connecticut."***

Congratulations to members of the Eastern Long Island Sound Assembly who won a 2003 Secretary of State's Public Service Award! For the past several years, the Assembly, headed by Sue McNamara (from The Long Island Sound Foundation, Inc.), offers The Long Island Sound Council Drawing Contest which is open to all Connecticut students, grade kindergarten through grade six. Assembly members are also part of the panel of judges that selects the final winners, two from each grade level. The criteria must include a message about what Long Island Sound and its watershed means to them. The winners are then placed in a calendar entitled "Long Island Sound and Its Watershed" which is distributed to Connecticut schools and educational facilities. The original drawings also travel and are exhibited at sponsors of the calendar –they include Bruce Museum of Arts & Science, Long Island Sound Councils and Assembly, Maritime Aquarium at Norwalk, Mystic Aquarium & Institute for Exploration, Project Oceanology, Schooner Sound Learning, Science Center of Eastern CT, Soundwaters, Quinnipiac River

Watershed Association and The Long Island Sound Foundation, Inc. The funding and printing production is provided by The Long Island Sound Foundation, Inc. SENEME Board members, Katrina Barrett, Diana Payne and Thaxter Tewksbury serve on the Assembly and were a part of the group that traveled to Hartford to receive their recognition.

### **SENEME Science Fair Awards**

This spring SENEME once again presented awards to students at the Connecticut State Science Fair. Senior and Junior Awards were presented with the Junior winner receiving a \$50 prize and the Senior winners receiving \$25 each. The Junior winner was Justin Tourangeau from Brooklyn, CT for his exhibit entitled "The Effect of Larvacide Methoprene on the Development of Mosquito Larvae and Other Aquatic Organisms." The Senior Award went to a team exhibit. The winners were Brian Thurm, Scott Ackerman and Justin Cymbol from Stamford High School for the "Characterization and Identification of Harbor Seals by Microsatellite Amplification." Congratulations to all the student winners!

### **Rhode Island's Cranston High School Sweeps 2003 National Ocean Sciences Bowl in La Jolla, CA**

As mentioned in the winter issue of *The Nauplius*, March 1, 2003 was the regional contest of the National Ocean Sciences Bowl. Cranston High School West of Cranston, RI won our local Quahog Bowl and then proceeded to the finals in California. After two days of intense competition, Cranston High School West defeated teams from around the nation to win the 6th Annual National Ocean Sciences Bowl. The Consortium for Oceanographic Research and Education (CORE) along with the Scripps Institution of Oceanography hosted the Finals competition, April 27 & 28, 2003 on the Scripps campus in La Jolla, California.

The championship team will fly to Hawaii where they will spend over a week working side-by-side with scientists to explore the array of ocean sites and facilities on the Big Island. Their adventure will include a dolphin training session with the scientists at Dolphin Quest, a close up view of erupting volcanoes at Volcano National Park, and visits to the Coconut Beach Field Station, and the Mauna Kea Observatory. This trip is provided courtesy of Dolphin Quest, Hilton Waikoloa Village, the National Oceanic and Atmospheric Administration's National Ocean Service, the Office of Naval Research, and the University of Hawaii.

Congratulations to the members of this winning team who have represented our region so well!!