

NYSMEA ANNOUNCEMENTS 08/07/04

<http://www.nysmea.org/> <mailto:info@NYSMEA.org>

(Reminder it may be necessary to adjust your virus protection program so that these announcements are not considered SPAM)

Check out the pictures from our June Conference on our [webpage](#)

Remember that if you did not attend the Conference your membership is probably due for renewal.

Welcome back! We know that you are still enjoying your summer but its time to begin thinking about the school new year!

The next NYSMEA exec bd meeting will be at the NY Aquarium on Friday Aug 20 at 2PM. Not only will we be planning this years activities, including our annual conference to be held in May of 2005 at Dowling College, but we will begin planning the 2006 National Marine Education Association (NMEA) Conference which NYSMEA is hosting in July of 2006. This is your opportunity to become active in a great organization! Why not decide now to make this one of your priorities for the next year! We need a diverse group of people to support our activities - especially the two conferences. If you cannot make the meeting email us to volunteer.

[Directions to aquarium](#)

1. Grants: "Dow Awards"
2. Grants: "Toyota TAPESTRY Grants"
3. Grants: Patagonia Offers Funding for Environmental Work
4. Grants: Additional RFPs in Environment
5. Grants: Title: Shell Science Teaching Award
6. NYS Educators EPA July Clearwater cruise
7. Ocean Literacy
8. DIVERS ACROSS THE COUNTRY HELP SAVE THE REEFS THEY LOVE
9. Moving of the Block Island, RI Lighthouse
10. Several Federal Summer Research Programs can be followed on the web.
 - A. Summer Research NOAA Ocean Exploration the Gulf of Alaska 2004
 - B. Deep Scope in the Gulf of Mexico
 - C. Mid-Atlantic Ridge Ecosystem Project
11. Free video, "Clean Water Theater presents ALL WASHED UP" a musical
12. National Estuaries Day
13. 4 empowerment newsletter for teachers and students
14. Opportunity: The Recreational Boating and Fishing Foundation RFP
15. Hudson River Caucus formed
16. "Swim with the sharks and rays" at *Atlantis Marine World*
17. Opportunity to participate in research and have your class correspond by email with an Alaskan class
18. Employment opportunities

1. Grants: "Dow Awards"

The Dow Chemical Company has made available \$20 million in grant funds to support proposed initiatives concentrating on math and science, teacher training, and parental involvement for K-12 school districts. Grant proposals should focus on giving K-12 students science and engineering experiences, giving teachers the training to provide these experiences, and fostering parental and community involvement. School districts and school boards nationwide, as well as programs that promote systemic education reform in math and science, are eligible to apply. Special attention is given to school districts around communities where Dow is located. Application Deadline: Varies

http://www.dow.com/about/corp/social/gen_fund.htm

2. Grants "Toyota TAPESTRY Grants"

The 2005 Toyota TAPESTRY program will award 50 grants of up to \$10,000

each and a minimum of 20 "mini-grants" of \$2,500 each to K-12 science teachers with proposals for innovative science projects that can be implemented in their school or school district over a one-year period. Proposals should demonstrate creativity and vision, and model a novel way of presenting science. All K-12 teachers of science residing in the United States or U.S. territories or possessions are eligible to apply, as are elementary teachers who teach science in a self-contained classroom setting or as teaching specialists.

Application Deadline: 1/19/2005.

<http://www.nsta.org/programs/tapestry/>

3. Grants Patagonia Offers Funding for Environmental Work

Deadline: August 31, 2004

Patagonia (<http://patagonia.com/>), a privately held outdoor clothing and gear company, provides support for environmental work through grants to nonprofit organizations. With most grants in the range of \$3,000 to \$8,000, Patagonia supports small, grassroots activist organizations. The company funds work that is action-oriented; builds public involvement and support; is strategic; focuses on root causes; accomplishes specific goals and objectives; and takes place in communities in which Patagonia does business. Applicants must submit proof of 501(c)(3) tax-exempt status. The company does not fund general environmental education efforts; research, unless it is in direct support of a developed plan for specific action to alleviate an environmental problem; land acquisition; endowment funds; political campaigns; and/or organizations without nonprofit status. Organizations based in a community in which Patagonia has a retail store or an international office should submit their request to that store or office. See the Patagonia Web site for the complete grant guidelines, application procedures, and a list of the company's domestic and international retail locations.

Proposals must be postmarked no later than April 30 or August 31.

RFP Link: http://www.patagonia.com/enviro/grants_app.shtml

4. Grants: For additional RFPs in Environment, visit:

http://fdncenter.org/pnd/rfp/cat_environment.jhtml

5. Grants: Title: Shell Science Teaching Award

Organization: Shell Oil Co. and the National Science Teachers Association (NSTA)

Eligibility: K-12 classroom science teachers

Value: \$10,000 plus travel

Deadline: November 15, 2004

The Shell Science Teaching Award recognizes an outstanding classroom science teacher who has had a positive impact on his or her students, school, and community through exemplary science teaching. Shell Oil Co. will present the selected teacher with a \$10,000 cash award, plus travel expenses to receive the award during the NSTA National Convention. The two finalists for the award also will receive all-expenses-paid trips to the NSTA convention.

Contact: <http://www.nsta.org/192>

6. NYS Educators July Clearwater cruise

http://www.epa.gov/region02/grants/teachers_2004.htm

The article provides links to related sites.

If you are interested in EPA's Environmental Education grants program, go to www.epa.gov/enviroed and click on the "Grant Program" button.

7. What do you think an ocean literate person should know about the ocean?

This summer you are invited to fill out The Ocean Literacy [online poll](#) and express your opinion. Ocean Literacy.org provides you with an opportunity to add your voice to the on-going dialog of "Ocean Literacy". This site is sponsored by [NASA's Oceanography Program](#). It is dedicated to helping those interested in the development of a populace knowledgeable about our oceans, to find resources that will assist toward that goal. What's new at Ocean Literacy.org? We have added new content to the NMEA Panel and Products, Papers & Reports pages. This information reflects some of the latest and most profound thinking about our oceans. At the NMEA 2004 Conference check out Andrea McCurdy's session titled: "OceanAGE: Inspiring Another Generation of Explorers and NASA Education and Outreach Materials" Monday, July 19 at 1:30 pm. Andrea will provide an overview of several NASA products including the Ocean Literacy website. If you are unable to attend the session at NMEA, a web page containing the online resources discussed in the presentation can be found at -> <http://www.enteracked.com/nmea/2004> Visit www.oceanliteracy.org today and take the online Ocean Literacy Poll! Thank you for your thoughts!
Regards, The Ocean Literacy Team

8. DIVERS ACROSS THE COUNTRY HELP SAVE THE REEFS THEY LOVE
FOR IMMEDIATE RELEASE Phone: (415) 834-0900 ext.313

Date: July 26, 2004

Email: divein@coral.org

Contact: Florence Depondt, The Coral Reef Alliance (CORAL)

*** Photos and Promotional Materials Available ***

DIVERS ACROSS THE COUNTRY HELP SAVE THE REEFS THEY LOVE

Park Buddy Program pays for urgent marine conservation projects at some of the world's best dive sites.

San Francisco, CA – From an underwater poker game in Lubbock, Texas, to a "Reggae for Reefs" benefit concert in San Francisco, California, scuba divers across the country took a stand this spring to help protect some of the world's best coral reef dive sites. Dive clubs and community groups organized a wide range of fundraising events to pay for five urgent coral reef conservation projects. Through this remarkable show of support, almost \$19,000 was raised – enough to complete these important projects: mooring buoys in the Hol Chan Marine Reserve (Belize); patrolling and monitoring equipment for the Parque Nacional Marino Arrecifes de Cozumel (Mexico); park ranger education for the Bonaire National Marine Park (Netherlands Antilles); interpretive signs for Rock Islands (Palau); and patrol and boat equipment for Southeast Cebu (Philippines).

The fundraising events were organized for the Coral Reef Alliance's "Park Buddy" Program, launched this year as part of the annual Dive In to Earth Day event. This new program aims to support coral park managers in their efforts to protect biologically diverse and increasingly threatened reefs by engaging US citizens to become "Park Buddies" and help raise money to pay for coral reef conservation projects.

"Alice and I love Cozumel and visit it whenever we have a chance," says Bill Miller, Coral Park Buddy. "We want our grandchildren to be able to experience Cozumel's reefs just as we have. This seemed like a great opportunity to directly support real grassroots conservation." Bill and Alice raised \$550 by holding a barbecue and raffle with their friends and family. The funds will help pay for a handheld GPS, digital cameras, and other much needed equipment to patrol the Cozumel National Marine Park.

Coral reef marine protected areas are critical to the present and future survival of coral reefs, but they are often understaffed and under funded. All too often, park managers are unable to purchase necessary equipment, or pay for important conservation projects, because they lack the time and resources to fundraise to cover the costs. As Miguel Alamilla, Park Manager of the Hol Chan Marine Reserve, stated, "this program has helped take some of the pressure off of our

staff, so that we can focus on what we're here to do – patrol, monitor, and protect Hol Chan's coral reefs.”

The Park Buddy program is part of the annual Dive In to Earth Day event, developed to raise awareness of coral reefs and ocean issues. In the past five years, 200,000 people have organized more than 1,000 Dive In activities in 89 countries and territories, including beach cleanups and educational seminars. CORAL coordinates Dive In with the support of Project AWARE Foundation, Earth Day Network, International Coral Reef Action Network (ICRAN), Air Pacific, and West Marine.

Park Buddy 2005 sites will be announced in October.

For more information visit: www.coral.org/divein/parkbuddy

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9. Moving of the Block Island, RI Lighthouse

Long time member, Bruce Carlsten who has moved to Rhode Island needs your help!

I am desperately trying to contact an individual who gave a session on the Moving of the Block Island, RI Lighthouse. It was presented at one of the Marine conferences 4 or slightly more years ago (NYSMEA, NMEA, SENEME ?). My son is in charge of programs for the RI Society of Mechanical Engineers and when I told him of the talk and assured that I could make contact with the individual, he scheduled the session this fall. Help!! I am now in trouble.

I miss you guys but RI is great!! contact Bruce at: bcarlsten@fctvplus.net

10A. Summer Research NOAA Ocean Exploration will be launching the Gulf of Alaska 2004 Expedition on July 30, 2004. The expedition will run through August 23rd with scientists exploring five large seamounts located approximately 200 miles off the Alaska coast. These seamounts are unique biological islands in the deep ocean that often feature characteristic organisms that are quite different from those found in the surrounding deeper habitats. Scientists will focus their investigations on seafloor aging and characterization, deep-sea coral genetics, and community ecology. The explorations will be conducted on board the Woods Hole Oceanographic Institution's research vessel Atlantis and scientists will be using the manned-submersible Alvin to document their findings. The Ocean Explorer Web site page for this expedition is live and can be found at <http://oceanexplorer.noaa.gov/explorations/04alaska/welcome.html>. This site contains content essays and lesson plans that tie directly to the expedition. These lessons have been developed for students in Grades 5-12, are inquiry-based, and tied to the National Science Education Standards. Once the expedition begins, live web logs will be written by educators and scientists that capture daily activities and discoveries. These logs, which will contain compelling video and images, will be posted within 24 hours of their receipt from the explorers on the Ocean Explorer Gulf of Alaska 2004 Web page. An "Ask an Explorer" feature will also be available for students to submit questions to, and receive answers from, the explorers while at sea.

So join us for a journey into a world few have ever seen!

10B NOAA Ocean Exploration will be launching the Operation DeepScope Expedition on July 30, 2004. The mission of this expedition, which will run from August 3 – 14, is one that was set forth by the 2000 President's Panel on Ocean Exploration, which is to go beyond traditional sampling limitations to "see the ocean through a new set of technological 'eyes.'" Scientists will use advanced technologies, such as the sophisticated Eye-in-the-Sea underwater camera system, to see animals and behaviors never before witnessed by humans. The Harbor Branch Oceanographic Institution's research vessel Seward Johnson and its manned submersible, the Johnson-Sea- Link, will take scientists to an area in the northern Gulf of Mexico that has been described as one of the most geologically complex regions on the planet, consisting of basins, canyons, escarpments and methane seeps. The Ocean Explorer Web site page for this expedition is live and can be found at <http://oceanexplorer.noaa.gov/explorations/04deepscope/welcome.html>.

This site contains content essays and lesson plans that tie directly to the expedition. These lessons have been developed for students in Grades 5-12, are inquiry-based, and tied to the National Science Education Standards. Once the expedition begins, live web logs will be written by educators and scientists that capture daily activities and discoveries. These logs, which will contain compelling video and images, will be posted within 24 hours of their receipt from the explorers on the Ocean Explorer Operation DeepScope Expedition Web page. An "Ask an Explorer" feature will also be available for students to submit questions to, and receive answers from, the explorers while at sea. So join us for a journey into a bioluminescent world few have ever seen!

10C Mid-Atlantic Ridge Ecosystem Project during summer 2004;
online at: http://www.mar-eco.no/mareco_news/news_field_phase2004/a_twomonths_deeps_ea_exploration

Mid-Atlantic Ridge Ecosystem Project of the Census of Marine Life;
online at: <http://www.coml.org/descrip/mareco.htm>
Census of Marine Life online at:
<http://coml.org/coml.htm>

11. The Pennsylvania Coastal Zone Management Program has produced a program, available on DVD or VHS video, entitled "Clean Water Theater presents ALL WASHED UP" a musical production that explores how land, water and environmental stewardship are all connected. The program seems geared to young teens. You can obtain a free copy by requesting it from Beth Haas of the Delaware Estuary Program at bhaas@delawareestuary.org.

12. Celebrate National Estuaries Day by participating in Estuary Live, a **free**, live, interactive field trip over the Internet. This year's program will include interactive field trips to seven estuaries: the Puget Sound in WA, Slough Slough in OR, Weeks Bay in AL, Rachel Carson Reserve in NC, Great Bay in NJ, Peconic Estuary in NY and Waquoit Bay in MA. Mark your calendars now! Estuary Live -- Thursday, September 23, 2004 and Friday, September 24, 2004 National Estuaries Day -- Saturday, September 25, 2004 You can access these [trips](#) via the Internet. During the trips, you and your students can submit questions and have them answered during the live program. Registration will be free and begin in August. Visit www.estuaries.gov for information on how to participate, a description of the themes addressed by each site, links to the reserves, and other information on estuaries. Bookmark the site for more information coming this summer! Topics for these special National Estuaries Day field trips include: Geography and geology of different estuaries; Bogs in carnivorous plants in coastal freshwater wetlands; Native American traditions in estuarine areas; Ecological and Economic importance of shellfishing; Habitat and Water Quality; Using the scientific method for research in the estuary; Habitat restoration and pollution control; Maintaining Biodiversity in the estuary and sustaining estuarine and coastal ecosystems; Comparing estuaries around the country; Estuaries as nurseries and primary producers; Stormwater control and erosion; and Specific information on each of the live sites visited. EstuaryLive addresses many NSES education content measures: Unifying concepts, Science as inquiry, Life science standards, Earth science standards, Science in personal and social perspectives, Science and Technology *National Estuaries Day is a Coast Week celebration to promote the importance of estuaries and the need to protect them. The feature event -- Estuary Live -- is a collaborative effort between NOAA's National Estuarine Research Reserve System, EPA's National Estuary Program and many local partners.* Additional information and teaching materials will be posted shortly at www.estuaries.gov If you have any questions, please contact NERRS National Education Coordinator [Atziri Ibanez](#).

13. 4 empowerment newsletter for teachers and students

http://www.4empowerment.com/en/newsevents/eletter/eletter_2004-07-30.jhtml.

14.. The Recreational Boating and Fishing Foundation and its Task Force on Education are seeking a contractor to develop a detailed environmental education evaluation tool for aquatic educators. This tool will be the newest addition to the suite of Best Practices in Boating, Fishing, and Aquatic Stewardship Education tools (see www.rbff.org/educational/bestpractices.cfm for more information on Best Practices).

Please see the attached Request for Proposals and respond or forward as appropriate. I warmly welcome any questions or comments.

Jen Levin, Program Manager Recreational Boating and Fishing Foundation
703-519-0013, ext 105 jlevin@rbff.org

15. Hudson River Caucus Will Coordinate and Bolster Efforts to Further Hudson River Revitalization

<http://www.hudsonriver.com/halfmoonpress/stories/0704caucus.htm>

16. **Atlantis Marine World** has opened several new exhibits! You and your students can "Swim with the Sharks and Rays." The aquarium supplies "shorty" wetsuits, masks, snorkels, and even a towel! The cost of the one hour experience includes admission and a great multicolored tee shirt. Eileen Dugan and Joe Yaiullo and the rest of the staff are great hosts! To see pictures of Lou Siegel and his Dowling College Marine Biology Students go to

<http://www.nysmea.org/act/Atlantis/atlantis.htm>

17. I'm a new researcher at the Lamont-Doherty Earth Observatory. Arrived in NY just a few weeks ago and heard about your organization while I was searching on the web. I am currently writing a proposal to NSF to do some work in the Arctic near Barrow, Alaska, studying algae that live in the sea ice. My collaborator on the project has an ongoing relationship with local high school students in Barrow. He has had them collecting data for him and he has given talks to their science classes. It's a really nice example of outreach. For the current proposal, I'd like to build on that relationship. I think it would be interesting and fun to establish a relationship with an additional group of kids here in NY. If we get our funding, we plan field work in the Arctic every year. The NY kids might find it pretty entertaining to follow our progress with daily emails and photos from the ice sheet. Arctic field work involves exotic locations, extreme weather conditions, the danger of polar bears and ice breakup, lots of riding around on snowmobiles, etc, so it has aspects that communicate the thrill of exploration in a non-cerebral way. There is also the potential to set up a really nice cultural exchange between the classroom in Barrow (which is made up nearly entirely of native alaskans) and the kids here in NY. I'm guessing that both groups would have extremely unrealistic stereotypes of each other's lives. However, both groups probably listen to the same music.

Please contact Andy directly to participate.

Dr. Andrew Juhl

Doherty Associate Research Scientist

Lamont-Doherty Earth Observatory of Columbia University

61 Route 9W

Palisades, NY 10964

845-365-8837

andyjuhl@ldeo.columbia.edu

18 Employment possibilities

18A 2 contact positions with RSIS at the Monitor National Marine Sanctuary in Newport News, VA. For more information and job application instructions, please go to www.rsis.com, hit RSIS Careers, and search on Virginia. The two positions are listed by title - you'll need to scroll down through a bunch of other positions also.

18B. Center for Ocean Sciences Education Excellence

COSEE Marine Education Associate jobs. 1. Position: Oceans and Human Health Education Coordinator

Location: NOAA National Ocean Service Hollings Marine Laboratory
Center of Excellence in Oceans and Human Health
Charleston, South Carolina

Term: October 2004 – September 2005 with possible extension

Salary: \$55,472 annually with benefits

Closing Date: August 31, 2004 – Fax letter of interest and resumes to Paula Keener-Chavis at 843.762.8737

Duties:

The incumbent will design a sustainable Oceans and Human Health (OHH) education and outreach program for the Center of Excellence in Oceans and Human Health (Center) at the Hollings Marine Laboratory. The incumbent will design and coordinate a national-level workshop on OHH education and outreach. The incumbent will design a national competition-based professional development program for high school teachers and coordinate the development, field testing, implementation and evaluation of OHH-based science curriculum materials. The incumbent will develop an OHH distance learning course for educators and will develop seminars and short courses for health professionals, scientists, and students. Working closely with the NOAA Coastal Services Center, the incumbent will provide outreach to health and resource professionals, educators and the general public via printed and web-based products. The incumbent will assist with enhancing the Center's ability to educate graduate students in the interdisciplinary arena of OHH and attract traditionally underrepresented groups to the field. The incumbent will develop a quarterly seminar series on OHH for the general public and will network with regional and national education groups, such as the National Marine Educators Association and the National Science Teachers Association, to promote Center education and outreach programs.

Knowledge/Experience Required:

B.S. degree in Marine Biology, Ecology, or a related field is required. Experience in both formal and informal education and outreach and communication.

18C. Louisiana Marine Education Associate

Louisiana Universities Marine Consortium (LUMCON) invites applications for a Marine Education Associate, a two-year position with the possibility of continuation. LUMCON hosts ~3000 visitors each year from K-12, teacher, university and public audiences who engage in hands-on learning experiences in nearby marsh, island and bay environments. The Marine Education Associate will lead and develop field trips, conduct classroom outreach, assist in administration of LUMCON's COSEE and Bayouside Classroom education programs and conduct other duties as directed by the Marine Education Instructor. Experience developing curricula to address national science education standards is particularly valuable. The job includes frequent weekend work. The successful candidate will work on two projects funded in part by the National Science Foundation. To learn more about these projects, check out websites for the Gulf of Mexico Center for Ocean Sciences Education Excellence (COSEE: cosee-central-gom.org) and Bayouside Classroom (www.lumcon.edu/bayousideclassroom).

Specific Duties

The COSEE Educator will:

- Coordinate and implement the Central Gulf of Mexico Louisiana COSEE formal and informal programs, including advertising the program to teachers and informal educator communities, registering teachers for credit, logistical arrangements on-site, scientific-educational program and reporting after the fact (cosee-central-gom.org).
- Act as liaison with other local, regional and national COSEE sites.
- Present COSEE results at local, regional and national meetings.
- Implement the BayouSide Classroom formal program, including conducting classroom visits, writing curriculum, leading LUMCON visits, training teachers and acting as teacher liaison (www.lumcon.edu/bayousideclassroom).
- Undertake such other duties as may be assigned by the Marine Education Instructor.

Minimum Qualifications:

The position requires a B.S. in education or science with a background in environmental science and/or experience teaching. An advanced degree or coursework, secondary classroom teaching experience, and/or experience leading teacher workshops are desirable. Additional requirements included strong oral and written communication skills, valid drivers license and willingness to work independently as well as with others. Salary depends on experience and education.

A letter of application should be accompanied by a resume and list of 3 references. Email applications are welcome. Review of applications will begin August 6, 2003. Applications will be accepted until a suitable candidate is hired. Please send all materials to:

Dr. Jessie Kastler
Marine Education Instructor
Louisiana Universities Marine Consortium
8124 Highway 56
Chauvin, LA 70344