



Announcements April 22, 2007 www.NYSMEA.org www.NYSMEA.org/jobs

NYSMEA Conference – June 3rd
American Museum of Natural History and
The South Street Seaport Museum go to the www.NYSMEA.org for details

Join us for the next Board Meeting Sat. April 28th at 11:00am at
the Town of Hempstead Department of Conservation and Waterways, Pt. Lookout
[directions](#)

Wow there is something for everyone here. Enjoy!

On 05/03 a fisherman caught a Green Sea Turtle off Likupang, N-Sulawesi (Indonesia). As the turtle had a flipper tag he thought it better to report the catch to a local conservation NGO, who then referred to WWF. WWF staff bought the turtle and took it back to Manado (no less than 6 people to lift it into a pick-up truck). It was measured before release. CCL = 160 cm. Tag, from W-Samoa, had the number R 29713.
Western Samoa, **that's a straight line distance of ~4500 miles.**

The Marine Advanced Technology Education Center is offering an institute for high school, college, and university faculty in Monterey, California from July 23-30. Lectures, activities, and field trips will provide educators with the skills and experiences they need to incorporate marine science and technology into their classrooms
<http://www.marinetech.org/education/workshops.php>

Anyone interested in reviewing Treasures in the Sea - a resource book for teachers in The Bahamas the document is from AMNH's Center for Biodiversity and Conservation? Contact Lisa Breslof at breslof@amnh.org
There is a May 11th deadline for comments.

CRESLI has announced the summer overnight whale watching cruises
http://www.cresli.org/cresli/reservations/offshore_res.html

Looking for summer professional development opportunities? Advance your teaching career with STAGE (*Short-courses to Transform and Advance Great Educators*). The STAGE program, www.stagecourses.net offers educators *live, online* courses to earn low cost graduate credit or continuing education hours. This summer's course offerings include:

*Lessons from the Ocean—*learn to teach Earth and life science in an ocean context*

*Mars Detectives --- *use live Mars data to teach about Earth*

*Signals of Spring -*use Earth imagery to explain the movements of animals tracked by satellite*

Go to www.stagecourses.net or contact Meghan Marrero at 1-800-707-8519 x202 for more information.

The GIT Ahead Project provides opportunities for teachers to learn about geographic information technologies (GIT), such as GIS, GPS, Google Earth, Google Maps, and a variety of geospatial web-based resources as they develop and identify science lesson and unit plans for their classroom. The ultimate goal of this project is to help high and middle school students see geospatial technologies as pathways to relevant, exciting, and high-demand careers.

<http://fli.hws.edu/gitahead/institute.html>

Grants

2007 Brower Youth Awards Deadline: May 15, 2007 A program of the Earth Island Institute, the annual Brower Youth Award recognizes six young people (ages 13-22) for their outstanding activism and achievements in the fields of environmental and social justice advocacy. Each of six recipients will be awarded a \$3000 cash prize, a trip to California for the award ceremony and camping trip, and ongoing access to resources and opportunities to further their work at Earth Island. <http://www.broweryouthawards.org/article.php?list=type&type=12>

Butler-Cooley Excellence in Teaching Awards Deadline: May 1, 2007 Turnaround Management Association (TMA) is accepting entries for the 2007 Butler-Cooley Excellence in Teaching Awards Program. This award will honor three to five teachers who have changed the outcome of students' lives and the communities in which they live with a \$5,000 cash stipend and travel expenses to the annual TMA Conference. <http://www.turnaround.org/about/awards.asp>

NEA Grants Program Deadline: June 1, 2007 Two grant opportunities from the NEA Foundation for the improvement of education: The Learning & Leadership Grants for teachers, education support professionals, and higher education faculty and staff to engage in high-quality professional development and growth. The grant amount is \$2,000 for individuals and \$5,000 for groups engaged in collegial study. The Student Achievement Grants provide \$5,000 to improve the academic achievement of students by engaging in critical thinking and problem solving that deepen knowledge of standards-based subject matter. The work should also improve students' habits of inquiry, self-directed learning, and critical reflection. <http://www.neafoundation.org/grants.htm>

Greenworks! Grants Deadline: April 30, 2007 This service-learning grant program "GreenWorks!" from Project Learning Tree® (PLT) will help fund neighborhood environmental improvement projects that partner PLT educators and their students with local businesses or community organizations. Grants up to \$5,000 are available. http://www.plt.org/cms/pages/21_22_18.html

Earth Day Photo Contest for Students Deadline: May 9, 2007 During the week of Earth Day (April 22 through April 29), U.S. students in grades 5-8 can participate in this Institute for Global Environmental Studies (IGES) photo contest by taking a photograph of something that is changing in their local environment and submitting the photo and a (400 words or less) scientific explanation. IGES will award the top three winners cash prizes (\$100, \$75, and \$50). The top 10 winners will receive their photograph in a special frame commemorating Earth Day 2007 and the top 50 will be published on the IGES Web site. <http://www.strategies.org/EarthDayPhoto>

Join us for the Science Barge Launch on May 4th!

Please mark your calendars for the Science Barge public launch and press conference. Hear about New York's role in sustainable development and tour the city's only food production facility that makes all its own power and water. Featured speakers include Manhattan Borough President Scott Stringer, State Senator Thomas Duane, ecological pioneer John Todd, HRPT President Connie Fishman, Science Barge designer Ted Caplow, and others. Refreshments provided by Whole Foods Market, Lead Sponsor of the Science Barge visit to Hudson River Park.

Save the date!

Friday, May 4, 2007 at 9:30 a.m.

Hudson River Park's Pier 84

West 44th Street & West Side Highway

More information http://nysunworks.org/news_and_publications/science_barge_launch.html

Many of you are aware of the American Meteorological Society's (AMS) involvement in ocean education through its Maury Project and DataStreme Ocean course for pre-college teachers. I would like to bring your attention to the AMS's introductory college-level *Online Ocean Studies* course and associated Diversity Project for faculty members and ask for your help in promoting these programs within your states.

Online Ocean Studies was developed by AMS for licensing and local offering by colleges. The course is designed after the highly successful AMS Online Weather Studies course, which has been offered by over 350 institutions since fall 1999, and DataStreme Ocean. Both *Online* courses are turnkey packages with print and Internet-delivered materials that can be offered by faculty members in a variety of teaching environments, ranging from traditional lecture/lab to completely online. The courses have been successfully offered by experienced oceanography and meteorology professors, as well as by those who had not taught or do not have extensive formal training in these sciences. For more information, please visit the AMS Education Program website at www.ametsoc.org/amsedu. Already, over 80 colleges and universities have licensed *Online Ocean Studies*.

The AMS/NSF/NOAA *Online Ocean Studies* Diversity Project provides expenses-paid workshops for faculty offering the course at minority serving institutions (Federally-designated MSIs or institutions with a 25% or greater minority student population). Our next workshops are June 10-15, 2007 at NOAA and University of Washington facilities in Seattle, WA, and January 19-22, 2008 at the AMS Annual Meeting, New Orleans, LA. For details, go to www.ametsoc.org/oceanstudies/diversity.html. We ask that you encourage colleges, particularly those with high minority student populations, to consider offering *Online Ocean Studies*.

If you have any questions, please contact my colleague Elizabeth Mills at 202-737-1043 or onlineocean@ametsoc.org.

The BBC's 11-part PLANET EARTH series aired on consecutive Sundays from March 25 through April 22, 2007, at 8pm ET/PT on Discovery Channel and in high definition on Discovery HD Theater.

The Planet Earth Guide can be found at:

<http://dsc.discovery.com/convergence/planet-earth/guide/guide.html>,

and a more specific Episode Guide at

<http://dsc.discovery.com/convergence/planet-earth/about/episode.html>

Shoals Marine Labs complete list of college credit courses for Summer 2007, please go

to: <http://www.sml.cornell.edu/college/pc-cs.htm>

NOAA's Ocean Exploration Program is pleased to announce that additional data sets have been added to the "Mapping Deep-Sea Habitats" Lesson Plan, available on our Web site at:

http://www.oceanexplorer.noaa.gov/explorations/02hawaii/background/education/media/nwhi_mapping.pdf

The “Appendix A – Supplemental Data Sets” added to this lesson plan contains two additional authentic bathymetric survey data sets, allowing students to create two-dimensional topographic maps and three-dimensional models of the Blake Ridge (a ridge/bank feature) and Hudson Canyon (a submarine canyon), in addition to the original activity involving Loihi Volcano (a submarine volcano).

These data sets were added in response to requests from teachers who wanted to use this lesson plan in conjunction with the “A Watered-down Topographic Map” lesson plan activity available on our website at:

http://www.oceanexplorer.noaa.gov/explorations/02fire/background/education/media/ring_topographic_6_8.pdf

The original “Mapping Deep-Sea Habitats” lesson plan – minus the supplemental data sets – and the “A Watered-down Topographic Map” lesson plan are also available in our “Learning Ocean Science Through Ocean Exploration” curriculum book, available online at: (Section 2, LP’s 2 and 4)

<http://www.oceanexplorer.noaa.gov/edu/curriculum/welcome.html>

Both of these lesson plans are excellent resources when teaching geological features, mapping, ocean exploration, and the technology of ocean exploration (National Science Education Content Standards A, D, E, and G). Enjoy!

During their over 900,000 nautical miles sailed the Sea Education Association (SEA) has been teaching people to “love the sea.” Three distinct three-week-long programs are offered for high school students interested in the sea, science, sailing, and in search of adventure. Modeled after SEA’s innovative college program, *SEA Semester*, (www.SEA.edu) the high school summer seminars consist of a Shore and Sea Component.

Science at SEA is an interdisciplinary look at the marine environment taking place on SEA’s campus in Woods Hole, MA and sailing a circumnavigation of Cape Cod. *Oceanography of the Gulf of Maine* studies the intertidal zone of Appledore Island, NH at the Shoals Marine Laboratory and makes a transit on the waters between Cape Cod and coastal Maine. Four college credits are granted through Cornell University for completing *Oceanography of the Gulf of Maine*. Lastly, *Oceanography of the Southern California Bight* explores the ecology of Catalina Island, CA in conjunction with the University of Southern California’s Wrigley Institute and makes a voyage through California’s Channel Islands. Three college credits will be earned for completing *Oceanography of the Southern California Bight*.

Time during the Shore Component of the program is spent living in community, and studying coastal ecology, general oceanography, navigation and maritime history. The Sea Component is spent aboard one of SEA’s 134’ brigantine sailing vessels, the *SS/V Corwith Cramer* or the *SS/V Robert C. Seamans* in either the Atlantic or Pacific Ocean respectively. Students are immersed in all operations of a modern sailing research vessel: collecting scientific data, setting and striking sails, operating the ship’s diesel engine, and helping in the ship’s galley. It is an experience unmatched anywhere in the world! Read more at http://www.sea.edu/academics/program_highschoolprograms.asp.

I am looking for 3-5 marine educators who would be kind enough to review up to 5 marine science exercises written at the high school/ college nonmajors level. Your comments and feedback would be greatly appreciated. Thank you for your consideration, Paul Detwiler pdetwiler@sunstroke.sdsu.edu

Remember that 1 May 2007 is the deadline for scholarships applications for the fabulous NMEA Annual Conference, which will be held this summer in Portland, Maine, 23-27 July. Go to <http://www.marine-ed.org/> for scholarship information and application forms. This opportunity is for NMEA members in good standing. Don't miss out!

With regard to the impact of noise on marine mammals, please make note of this new lesson plan on the potential impact of noise on harbour porpoise. This lesson plan has been funded by Canada's Species at Risk Act and is part of the Department of Fisheries and Oceans "Stream to Sea" Educational programme (www.streamtosea.ca) . The lesson plan was written by Anna Hall and myself and illustrations were generously provided by Uko Gorter (<http://www.ukogorter.com/>) .

The direct link to the lesson plan is http://www-heb.pac.dfo-mpo.gc.ca/community/education/lessonplans/harbourporpoise/harbourporpoise_e.htm.

International Symposium on the Science and Conservation of Horseshoe Crabs at Dowling College, June 2007

<http://www.horseshoecrab.org/isschc/>

April 27, 2007 - 7 PM
Hot Science - Cool Talks Outreach Lecture Series and [Webcast](#)
Environmental Science Institute
University of Texas at Austin
Contact: Jessica D. Gordon, Outreach Lecture Coordinator,
<mailto:jdgordon@mail.utexas.edu>
Book signing will follow the lecture.

The lecture is also available as a live webcast. Please [click here](#) approximately 15 minutes before 7 to log on.

Safina explores how the Leatherback, a master navigator and ancient mariner who has seen both the fall of dinosaurs and the dawn of humankind, now needs us—the only creature who ever posed its species a mortal threat—to chart a hopeful path to its future. To pre-purchase *Voyage of the Turtle*, please [click here](#).

The New York Shell Club is holding its annual fundraising auction next Sunday, April 29, at 1:00PM. Sea shells from across the world will be auctioned, and a wide variety of shells, books, and fossils will also be on sale, starting at \$1.00. Club members will be on hand to answer questions about shells and the organization. The event will take place at 1:00PM at the Broadway Dance Studio in Astoria Queens. The address is 3108 Broadway, 2nd Floor (the closest subway stop is Broadway on the N and W lines).

With much success of the past China trips, the US-China Education Council is organizing another trip for US educators to explore China during Summer 2007.

The trip will include group travel to five most famous Chinese cities of Beijing, Xi'an, Nanjing, Suzhou & Shanghai, with field trips to many sites of historical and cultural importance, meetings and discussions with Chinese educators, and visits to Chinese schools.

The tentative time is June 30-July 9, 2007, and other times may also be available if there is sufficient interest.

US educators at different levels and teachers of different subjects are eligible to apply. Applicant's spouse or family members can also participate, with the Program Director's consent, at the same cost (only \$2,380).

Application deadline: May 4, 2007. Please contact Prof. Lu directly at CUNYinChina@yahoo.com

LU Shuming, Ph.D.
US China Education Council

Project AWARE Foundation's AWARE Kids program. AWARE Kids is geared toward K-4th grade with extension activities for 5-6. The materials include an AWARE Kids activity book, Teacher's Guide and DVD (materials in English and Spanish).

AWARE Kids is designed to introduce children to marine topics (coral reefs, sharks, kelp, sea turtles and more) and related conservation issues. It also encourages active participation in conservation activities through a set of AWARE Kids Missions - cleanups, recycling, water conservation, threatened animals, etc.

The AWARE Kids website is www.projectaware.org/kids for further info or feel free to contact me with additional questions.

Nassau BOCES programs for participating Nassau County districts. More information can be found at www.nassauboces.org/enviroed

Summer Submersions: Designing and Building Underwater ROVs (Remotely operated vehicles)

Dates: Monday, July 2-3, July 5-6, 2007 (4 days)

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

Location: Nassau BOCES Barry Tech, beaches and pools

For: Students entering grades 5-7 and 8-12

Cost: \$320 (Note: no transportation for this program)

After an introduction to buoyancy, electric currents, wiring, and propulsion, students will work in small teams to design and build an underwater ROV to accomplish certain tasks underwater. The culminating experience will be a competition among the teams to see who can accomplish the tasks in the shortest amount of time. The program will also include information on the history of ROV's, how they are used today and career opportunities in the submersible technology field. Middle school students will work with partially assembled kits while the high school students will build and design from scratch!

SUMMER MARINE BIOLOGY 2007

Dates: Monday, July 9 - Friday, July 27, 2007

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

Location: Caumsett and local beaches/aquarium

For: Students entering grades 8-12

Cost: \$1200.00 (includes transportation)

As a sea-going biologist, you'll learn about many kinds of marine life and their physical, chemical, and biological environments at our

1600 acre Caumsett State Historic Park, and other north and south shore beaches, boats and local marine field trips.

Nassau Community College, Office of the College of the Air and Dr. Tom O'Brien is offering a 3 credit Oceanology distant learning course for the Fall 07 semester. All assignments are completed at home at the students own pace. There is no in school requirements. If you wish to register for this course contact the College of the Air, 516-572-7883 or contact Dr Tom O'Brien for more information oceansciprof@aol.com.

Interesting stuff is to be found at www.forsea.org

and at www.abseas.org

and even more at

The World Ocean Observatory <http://www.thew2o.net/events/index.php>

and at

Whales: *Voices in the Sea* (a project in development)

http://cet.uscd.edu/voicesinthesea_org/Flash/

SEINE THE SOUND WITH CT SCIENCE STANDARDS!
Grade 5-8 Teachers Wednesday, May 9, 2007 8:45am-3:15pm
Hammonasset State Park, Madison, CT Details

Clean Ocean Action Beach Cleanup April 28th
<http://www.cleanoceanaction.org/index.php?id=153>

Bring Oceans into Your Classroom with Oceans for Life

The NOAA National Marine Sanctuary Program in collaboration with National Geographic Society has launched a new series of marine education lesson plans highlighting cutting-edge research, maritime heritage, cultural resources and environmental issues in our national marine sanctuaries. Designed for K-12 teachers and marine educators, the **Oceans for Life** series of lessons and videos gives students an opportunity to explore the history, biology, and ecology of the National Marine Sanctuary System.

Through a multi-media approach, the **12 Oceans for Life lesson plans and complimentary short videos** will inspire ocean literacy and conservation through national marine sanctuaries and promote bringing the ocean and environment into your classroom.

<http://sanctuaries.noaa.gov/education>

MARE (Marine Activities, Resources and Education) out of the Lawrence Hall of Science at UC Berkeley has K-8 marine curriculum guides. Each grade level focuses in on a different habitat and has grade-appropriate, standards-correlated activities/curriculum to explore that specific habitat. Please see www.lawrencehallofscience.org/mare for more information.

The GEMS (Great Explorations in Math & Science) curriculum guides also come out of the Lawrence Hall of Science. GEMS has three ocean-related guides: Only One Ocean (grades 5-8), Ocean Currents (grades 5-8), and On Sandy Shores (grades 2-4). You can look at www.lawrencehallofscience.org/gems for more information on these.

Join us in Vancouver to explore the “Edge of Tomorrow” at the annual Marine Technology Society / Institute for Electrical and Electronics Engineers (IEEE)-Oceanic Engineering Society Conference. Learn about BC's Neptune and Venus projects, which will usher in a new era in gathering data to understand the oceans. This conference features a partnership of engineers / technologists, scientific researchers, and marine educators.

Oceans 2007 is calling for papers in the area of marine education, among many other topics. Please consider submitting an abstract. **The abstract deadline is April 30, 2007.**

For more information, including the on-line abstract form, visit www.oceans07mtsieevancouver.org/main.cfm?id=3&r1=3.00&r2=0&r3=0&r4=0&level=1&eid=3#Papers

Northeastern University's Marine Science Center –Summer Intern Opportunity
Northeastern University's Marine Science Center has two summer college intern positions available. Interns work with the Outreach Program conducting programs aboard the research vessel Mysis, on-site at the marine science center, and in various local coastal habitats. Responsibilities include leading K-12 outreach programs, summer science academies, and summer teacher workshops. Housing and a small stipend are available. Contact Emily Blume at e.blume@neu.edu for more information or to apply for this position.

Scholarship opportunity for two primary or secondary educators <http://cedam.org/> to attend a REEF (Reef Environmental Education Foundation) Field Survey this summer on the Paul Humann's Discovery Tour this summer, July 7-14. All expenses will be covered for them to attend the one-week Field Survey and this is a wonderful opportunity for a two teachers to get some hands on Fish ID classroom and underwater training. The two candidates will also be invited to REEF's annual sustainers event immediately following the Field Survey. Susan Sammon and Jan Rosenfeld will be screening the applicants and their application is on the above website.

JOBS JOBS JOBS

go to www.NYSMEA.org/jobs for details

Schooner Inc. looking for several positions for this summer on Long Island Sound

Program Implementation Specialist at the
South Shore Estuary Reserve Office
Details: <http://www.estuary.cog.ny.us/>

Nassau BOCES Part Time Naturalist
<http://www.nassauboces.org/enviroed/documents/naturalistflyer.pdf>

TO BEGIN IMMEDIATELY Schooner Pioneer and Family Program Educator, Part Time
SOUTH STREET SEAPORT MUSEUM EDUCATION DEPARTMENT

Vice President for Education/Center Director, Prospect
Park Audubon Center

Education Curator for the Prospect Park Audubon Center.

Seacamp Association, Inc.(Fla.) is seeking a Science Program
Director.

Looking for an exciting, hands-on, positive work environment on a sailboat in Washington 's Puget
Sound ? Salish Sea Expeditions is currently hiring

Herring Gut Learning Center, an aquaculture and marine science education center located in Port
Clyde, Maine, has current openings for a Director and summer interns

Soil and Water Conservation District Project assistant

The Whale Camp on beautiful Grand Manan Island in the Bay of Fundy has summer employment opportunities available
for Marine/Environmental Science Instructors.

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