

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

Now that you have cleaned out all that material from last year its time for the important stuff!  
Did you know that past Announcements are available by clicking on the icon on our website?

Please copy the **NYSMEA June 3,4,5 Conference Announcement** at <http://www.nysmea.org/act/Con05Ann.pdf> and distribute it to all interested people with whom you come in contact. Why not be share your knowledge by being a presenter?

Next board meeting (Everyone Welcome!.) will be in the first floor conference room of the Kramer Science Center at Dowling College in Oakdale. January 22, 10:00 am. Directions <http://www.dowling.edu/about/directions1.shtm> Please send email to [info@NYSMEA.org](mailto:info@NYSMEA.org) if you plan to attend.

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**1. CRESLI Montauk seal walks** The Coastal Research and Education Society of Long Island, based at Dowling College, sponsors seal walks throughout much of the year. Following are scheduled walks from December through May. CRESLI seal walks will depart from area near the bathrooms in the main parking lot at Montauk Point State Park. The walks are approximately 3 miles round trip and take about 3 hours. Meeting times are 15 minutes prior to departure. A voluntary contribution of \$5.00 per person will help to support CRESLI's ongoing seal research programs. Reservations can be made at: <http://www.cresli.org/cresli/seals/sealwalk.html> Upcoming Seal Walk Schedule: SUNDAY, 01/09/05 10:30 SATURDAY, 01/22/05 12:00 SATURDAY, 02/05/05 9:00 SUNDAY, 02/20/05 12:00 SUNDAY, 03/06/05 9:00 SATURDAY, 03/19/05 9:00 SATURDAY, 04/02/05 8:00 SUNDAY, 04/17/05 9:00 SATURDAY, 05/07/05 12:00 SUNDAY, 05/15/05 8:00 SUNDAY, 05/22/05 12:00

**2. Jones Beach seal Walks** Closer to home seals can be seen off the beach near the fishing piers at Jones Beach. Walks are Run by the Roosevelt Nature Center at the Beach. (New Years Day we witnessed over 75 people on one of these walks!)

**3. Toyota International Teacher Program** **Deadline: January 10, 2005**  
\$820,000 program sends teachers to Japan  
Grant Title: Toyota International Teacher Program  
Organization: Toyota USA Inc.  
Eligibility: High school teachers from Alabama, California, Indiana,

Kentucky, Michigan, Missouri, New York, Texas, Washington, D.C., and West Virginia Value: \$820,000 total

Toyota is inviting high school teachers from Alabama, California, Indiana, Kentucky, Michigan, Missouri, Texas, West Virginia--and for the first time--New York and Washington, D.C. to apply for an "ultimate" field trip to Japan--and an all-expenses-paid educational study made possible through the Toyota International Teacher Program. During a rigorous, two-week stay, 60 teachers will visit six cities from Tokyo to Hiroshima to learn about Japan's past and present and explore key global issues. The program takes place June 16 through July 3, 2005. Teachers are selected based on their professional and leadership qualifications, as well as their plans to incorporate their experiences and research into their curriculum. Teachers in all subject areas are invited to participate. The Institute of International Education in Washington, D.C., the nation's largest nonprofit educational exchange organization, administers the program.

#### **4. Job opportunities at Green Mountain College VT**

<http://www.greenmtn.edu/about/employment.asp>

**ASSISTANT/ASSOCIATE PROFESSOR** -- The College invites applications for a new full-time continuing position in comparative environmental policy to begin fall 2005.

**Primary Duties/Functions:** The Director will oversee all areas concerning adventure programming including planning, marketing, staff training, risk management, and equipment rentals.

#### **5. Real time oceanographic data**

Are you looking for new ways to incorporate real time oceanographic data into your curriculum? If so, check out the first ocean based Earth Exploration Toolbook chapter entitled: "**When is Dinner Served? Predicting the Spring Phytoplankton Bloom in the Gulf of Maine**" <http://serc.carleton.edu/eet/phytoplankton/index.html>

This chapter uses real-time ocean observing buoy data from GoMOOS (Gulf of Maine Ocean Observing System) and MODIS satellite images of chlorophyll-a to enable students to predict the timing of the spring phytoplankton bloom in the Gulf of Maine. Users will learn such skills as how to download and graph buoy data from the GoMOOS website and compare these data to satellite images of the Gulf of Maine.

The Earth Exploration Toolbook (EET) provides step-by-step guides for investigating issues or concepts in Earth system science. Students access data and analysis tools to produce maps, graphs, images, or other data products to explore these issues in greater detail. All chapters are reviewed by a panel of teachers for educational merit, reviewed by scientists to ensure scientific accuracy, and are tied to the National Science Education Standards. EET is funded by the National Science Foundation (NSF) through the National Science Digital Library (NSDL) and is a collection within the Digital Library for Earth System Education (DLESE).

#### **6. ARMADA Project- Research and Mentoring Experiences for Teachers**

The University of Rhode Island's Office of Marine Programs is now accepting applications for the ARMADA Project- Research and Mentoring Experiences for Teachers. The ARMADA Project provides K-12 teachers an opportunity to actively participate in ocean, polar, and environmental science research and peer mentoring.

Selected Master Teachers (with five or more teaching experience) are paired with leading scientists and participate in shipboard, field, or laboratory research with all expenses paid. Research experiences will take place during the summer, although there may be opportunities during the school year. Upon completion of their research experience, Master Teachers develop ways to bring the fruits of their research experiences, including scientific data, methodologies, and technology into their classrooms. They share their experiences by mentoring new teachers in their school district and by presenting their results at the National Science Teachers Association National Conventions.

The ARMADA Project has involved teachers in research experiences all over the world. Past experiences include taking part in the largest North Pacific humpback whale study in the waters off the coast of Alaska, investigating the impacts of global change in the Arctic Ocean, tracking juvenile bull sharks in the Indian River Lagoon, studying the impact of human activity on dusky dolphins in New Zealand, assisting with testing new technologies used in deep water excavation of

ancient shipwrecks in the Black Sea, water circulation studies in the Norwegian Sea, and a variety of ecosystem monitoring projects in the Bay of Fundy, Narragansett Bay, Gulf of Maine, Stellwagen Bank, Western Shelf of Florida, and Block Island Sound. More information on past research experiences can be found on the ARMADA Project website.

**Application deadline is February 14, 2005**

For more information about teacher qualifications, responsibilities, and to download an application see the ARMADA Project website [www.armadaproject.org](http://www.armadaproject.org) or contact Andrea Kecskes at 401-874-6211 or [armada@gso.uri.edu](mailto:armada@gso.uri.edu).

### **7. See the Galapagos with Mickey Cohen (his 19th Trip!)**

The American Littoral Society is conducting its seventh expedition to the Galapagos Islands during the Spring of 2005. The April 1 departure date has been dropped back by one week. The new dates for the Galapagos trip are Friday, March 25 through Monday, April 4 with an optional extension into the Ecuadorian Rain Forest from April 4 through April 9. Call Mickey, 718-471-2166, or email <[bmcohen@aol.com](mailto:bmcohen@aol.com)> for a detailed itinerary and color brochure.

### **8. National Ocean Sciences Bowl at Stony Brook University**

*The Marine Sciences Research Center at Stony Brook University is hosting the 4th annual Bay Scallop Bowl, the New York regional competition of the National Ocean Sciences Bowl (NOSB). The program is sponsored by CORE and encourages students in grades 9-12 and teachers to broaden their understanding of the ocean sciences and the impact of the oceans on global climate, weather, economic structure, history and culture. The NOSB provides a forum for students and teachers to establish connections with others who share similar interests and to build a network of support for continued exploration into the ocean sciences.*

*The competition will be held on Saturday, February 26, 2005 at the University. Sixteen teams from throughout New York State will gather for the day-long event. They will compete for substantial prizes and a chance to go on to the national competition in Biloxi, MS.*

*Past competitions have been very successful due to the enthusiastic participation of our +/- 80 volunteers. **Each year volunteers from various agencies and organizations participate.** The day is a lot of fun for students, teachers and volunteers! I hope that you will consider joining us. If you have any questions or are interested in participating please contact Paula Rose at [BayScallopBowl@yahoo.com](mailto:BayScallopBowl@yahoo.com)*

**9. Fund for Teachers** is a unique foundation whose mission is to enrich the lives of schoolteachers and students by providing recognition and opportunities for renewal to outstanding teachers. Making a difference one teacher at a time, Fund for Teachers awards grants directly to teachers to support professional development opportunities of their own design. The number of awards will be limited only by the merit of the applications and by the funding available. There is no minimum or maximum award number per year. Teachers may request funding for activities up to \$5,000 per individual and up to \$7,500 per team project.

More at: <http://www.fundforteachers.org/>

**10. STANYS winter workshops.** The Nassau Section of STANYS will be holding its winter workshops at South Side High School on February 9th. There will be presentations from the Subject Area Representatives (SARs) for the Intermediate level, elementary, earth science, chemistry and physics. Also presentations relating to AP physics and environmental science. Nassau section members will receive a registration form through snail mail in January.

[jhorowitz@levittown.k12.ny.us](mailto:jhorowitz@levittown.k12.ny.us)

### **11. Aloha, The Call for Presentations NMEA Hawaii July 11-16**

<http://www.hawaii.edu/maui/oceania/NMEA05CP.html> for the National Marine Educators Association 2005 Conference is now open. Deadline for submission is 1 February 2005. The conference will take place 11-16

July 2005 at Maui Community College in Kahului, Maui, Hawai'i. Contact Bob Abrams (516 333 7830) if you are considering attending

### **12. Henry Phillip Kraft Memorial Fund - Environmental Grants**

<http://www.licf.org/grants/competitive/kraft/>

The Henry Phillip Kraft Family Memorial Fund has \$200,000 for distribution through the Long Island Community Foundation in 2004. The minimum grant size is \$10,000 and the maximum grant size depends on the number and quality of proposals received. We suggest that you request the minimum amount you need to carry out the work you are proposing. The Long Island Community Foundation is particularly interested in projects of regional or Island-wide significance and in encouraging collaborative efforts. Geographically limited projects should demonstrate an impact beyond their immediate location, or involve a broad variety of stakeholders in the project.

Henry Phillip Kraft Family Memorial grants are awarded in specific categories and encourage use of specific strategies to accomplish goals.

A full description of each of the categories is available in the downloadable guidelines section. Briefly, nonprofit organizations focusing their efforts in Nassau and Suffolk Counties are eligible to apply for a Kraft environmental grant in one or more of these areas:

- \* To minimize climate change by reducing greenhouse gas emissions
- \* To preserve biological diversity through habitat conservation
- \* To reduce or eliminate the toxins that are hazardous to human health
- \* To preserve and restore the rich habitats of the Long Island region
- \* To promote a more sustainable transportation system
- \* To protect open space and drinking water resources across the region
- \* To provide technical assistance to local groups to access resources for brownfield redevelopment

Applicants from Brooklyn and Queens should apply directly to the Foundation's parent organization: The New York Community Trust at 2 Park Avenue, 24th Floor, New York, NY 10016.

After reviewing the guidelines, if you have questions about your eligibility, contact Dr. Warren Goldstein at this toll free number: 1-888-253-5663. If you are not eligible, the Foundation Center website offers easy access to information about private, public, and corporate foundations throughout the United States.

### **13. Job Opening: Bruce Museum Seaside Center Summer Naturalist**

The Seaside Center of the Bruce Museum of Arts and Science in Greenwich, Connecticut, provides exhibits on marine and shoreline natural history for the casual drop-in visitor. Scheduled programs such as nature walks and child or family programs are also offered.

The Bruce Museum seeks an outgoing individual with a knowledge of natural history and an interest in informal educational opportunities to fill the Naturalist position. An assistant naturalist, interns and volunteers aid the naturalist in his/her duties. The position is full time for 11 weeks from June 27 – September 9, 2005. The Seaside Center is open Wednesdays – Sundays; comp/flex-time is subject to approval.

Duties include greeting and monitoring visitors, maintaining the building and the marine touch tanks, scheduling visits by local day camps, developing and conducting educational programs, supervising and coordinating the activities of the assistant naturalist and volunteers. The naturalist is also expected to keep the Director of Education informed about the operations and activities at the center. A BS or BA in education or science and a current driver's license are required.

To apply, send resume to:  
Director of Education  
Bruce Museum  
1 Museum Dr.  
Greenwich, CT 06830  
FAX: 203-869-0963  
Email: [rgarr@brucemuseum.org](mailto:rgarr@brucemuseum.org)

#### **14. Tsunami lessons**

Are you interested in addressing the Indian Ocean Tsunamis with your students? This month, the Bridge <<http://www.marine-ed.org/bridge>> Tsunami Data Tip highlights the physical and geological forces behind tsunamis and allows students to work with seismic and historical tsunami data. The Data Tip includes background information, a step-by-step data activity, and discussion questions and is correlated to the NSE standards. To access the Tsunami Data Tip visit the Bridge <<http://www.marine-ed.org/bridge>> and click on "Tsunami" in the Data Port column on the right.

**15. YouthCaN in New York April 11th.** Just a reminder to everyone, the application deadline for presenting a workshop at YouthCaN in New York is January 15, 2005. (You can also host a project or organization display table). Please join us for this gathering of 600-1000 students, where youth run the show! Your students can share their environmental projects through a variety of presentation formats. If you have questions, please call or e-mail us at 212-769-5039 or [holmes@amnh.org](mailto:holmes@amnh.org).

#### **16. See the newsletter article #7 on Environmental Education Report Card Show Positive Results on Standardized Tests**

Please visit <http://www.epa.gov/win/news.html> to see the January 2005 issue of Watershed News.

In this month's newsletter:

- 1) CWP to Sponsor Watershed Protection Institute--March 28 - April 1, 2005
- 2) DOD Issues Low Impact Development Manual
- 3) EPA Develops LID Design for its HQ Facility
- 4) Center for Watershed Protection Offers New Urban Stream Repair Manual
- 5) After the Storm Television Program Now Available for Cable TV and Educational use
- 6) EPA to Sponsor Upcoming Smart Growth Conference-Jan. 27-29 at the Deauville Beach Resort Hotel in Miami Beach
- 7) Environmental Education Report Card Show Positive Results on Standardized Tests
- 8) Watershed Organization Forming to Protect Rock Creek Park in Washington, DC

#### **17. REEF ENVIRONMENTAL EDUCATION FOUNDATION (REEF) is**

assembling an EDUCATORS ADVISORY COMMITTEE to help in the development of a new classroom curriculum for high school students. This curriculum will be based REEF's real life data and methodology and will educate students about marine conservation issues while strengthening their math, science and analytical skills. REEF is IOOKING FOR EDUCATORS with a variety of experiences and expertise. EAC members will be long term contributors who help establish the direction REEF's educational programs will take. This is an exciting opportunity for you to get in at the foundation level.

We are currently accepting applications and welcome any inquiries. Please contact Danyel Addes at [intern@reef.org](mailto:intern@reef.org), or (305) 852-0030 For more information about REEF visit [www.reef.org](http://www.reef.org)

#### **18. Grant Title: HOBO Energy Challenge**

Organization: iScienceProject

Eligibility: K-12 schools in the United States

Value: More than \$3,000 in equipment

Deadline: April 1, 2005

The HOBO Energy Challenge is a new contest program that challenges K-12 teachers and students to use HOBO data loggers to find examples of energy waste in their school. The contest is designed to promote energy awareness within schools while offering students of all ages a fun, hands-on science learning experience with HOBO data loggers. A data logger is a simple-to-use, portable electronic recording device that can be set up in minutes to monitor light usage, room temperature, and relative humidity. Accompanying software turns the energy usage data into colorful, time-stamped graphs that indicate, for example, when lights were on or off and what room temperatures were during the night. Classrooms that investigate and document at least one example of energy waste win a complete HOBO data logger system (\$200 value). An entire classroom set of HOBO data loggers (\$1,000 value) will be awarded to elementary, middle, and high school classrooms that make the greatest effort to investigate energy waste.

Contact: [http://www.iscienceproject.com/energy\\_challenge/energy\\_challenge.html](http://www.iscienceproject.com/energy_challenge/energy_challenge.html)

**19. Marine Protected Areas MPA newsletter**

>To subscribe to this distribution list, send a blank message to  
><<mailto:requests@willamette.nos.noaa.gov>>requests@willamette.nos.noaa.gov  
>with "subscribe infoexchange" in the subject field. Similarly, to remove  
>yourself from the list, send the subject "unsubscribe infoexchange".