

NYSMEA ANNOUNCEMENTS 08/30/04

WWW.NYSMEA.org info@NYSMEA.org

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1. Job opportunities

Please be advised that there is an immediate opening for an experienced Marine Science Instructor for the Marine Science Instructor for the Westbury High School in Westbury Public School District. For more information visit the website: www.westburyschools.org
Click on the Jobs link Under employment click on Certified

Under the caption High School the job is titled: Living Environment (Marine Biology)

NOAA's National Marine Sanctuary Program has two contract positions to fill at the Monitor NMS and Maritime Archaeology Center, as follows:

Education and Outreach Coordinator Communications Coordinator

Both job locations are in Tidewater Virginia.

Interested persons can find details and apply at: www.rsis.com.

Marine Education Assistant/Associate

Louisiana Universities Marine Consortium (LUMCON) invites applications for a Marine Education Assistant/Associate. 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.

Dr. Jessie Kastler mail: jkastler@lumcon.edu

2. Hofstra IDEAS workshops

Please check our web site for future workshops for elementary science, physics and chemistry teachers.

<http://www.hofstra.edu/IDEAS>

Our first public lecture is September 23 at 7:30 PM in the Monroe Lecture Hall. Dr. Russ Burke will discuss "Saving Turtles in the Big Apple!"

On Sat and Sun, Oct 15 and Oct 16- Dr. Bret Bennington and wife Gail will conduct a geologic tour of NYS for Teachers and Travelers- exploring the geologic history revealed in the natural features of southeastern New York State.

3. "National Weather Foundation Grants"

The National Weather Foundation will award grants of \$500 towards the improvement of education for K-12 students studying meteorology. Funds may be used for teachers to take an accredited course in atmospheric sciences, attend a relevant workshop or conference, or purchase scientific materials for their classrooms. All K-12 schools and individual K-12 teachers are eligible to apply. Application Deadline: None.

<http://www.nwas.org/solhirsch.html>

4. Vernier activities

V1. Weather Data from Hurricane Charley

V2. BOCES Brings Trout to the Classroom for 2004/2005

V3. Make Your Opinion Heard & Enter to Win

V4. Advanced Features for Video Analysis with VideoPoint & Capture

V5. New Sample Labs from "Advanced Chemistry with Vernier"

V6. Just for Elementary - Sample Labs & Free Hands-On Workshops

V7. Hands-On Workshops Near You

V8. Join the Vernier "Power User Group"

V1. Weather Data from Hurricane Charley

Curt Witthoff, Secondary Math/Science Specialist for Collier County Public Schools in Naples, Florida, recorded data as Hurricane Charley pounded the coastline near his house. He used Vernier sensors with a Vernier LabPro and TI graphing calculator. The equipment was placed in a box with the sensors exposed, and left on his patio.

Click on the link below to see graphs of barometric pressure, temperature, relative humidity, and light. Thanks for the interesting data, Curt. We are very glad you and your equipment survived the storm!

<http://www.vernier.com/innovate/082004hurricane.html>

V2. BOCES Brings Trout to the Classroom for 2004/2005

Vernier sensors give fish story a happy ending. Learn how the Broome-Tioga BOCES in New York partnered with Harpursville School District and the Al Hazzard Chapter of Trout Unlimited to raise trout in middle school classrooms and teach important scientific concepts.

<http://www.vernier.com/classrooms/gofish/>

V3. Make Your Opinion Heard & Enter to Win

Our best new products come from innovative teachers like you.

This is your chance to be heard. Vernier is looking for feedback for our product development team. Win one of five \$200 gift certificates. It's just our way of saying thank you for your time.

<http://www.vernier.com/survey>

V4. Advanced Features for Video Analysis with VideoPoint & Capture

Many of you know that with Logger Pro 3, you can incorporate digital videos and synchronize them with data you have collected. Logger Pro 3 also comes with basic video analysis capability. For those of you who want to do more advanced analysis, Vernier is now carrying VideoPoint and VideoPoint Capture. VideoPoint comes with an extensive library of videos that can be analyzed, including videos from NASA, Hershey Amusement Park, wave motion on stretched springs, air-table movies, etc. Details available at <http://www.vernier.com/soft/videopoint.html>

V5. New Sample Labs from "Advanced Chemistry with Vernier"

Good news. The sample labs for Vernier's new chemistry book have been so popular, that we posted more. These labs use the ORP sensor and the Vernier Drop Counter. You will find Oxidation-Reduction Titration: Fe^{2+} and Ce^{4+} and Potentiometric Titration of Hydrogen Peroxide on our web site until 12/31/04. <http://www.vernier.com/cmat/chema.html>

V6. Just For Elementary

We have launched a new web site for elementary science teachers and it is full of freebies and ideas for integrating technology into your science curriculum. Check out the "Resources" section that lists free technology workshops at upcoming conferences, information about the Vernier Technology Grant, and a "Teacher Talk" section with feedback from teachers around the country on integrating science technology. You will also find free labs from "Let's Go! Investigating Temperature." <http://elementary.vernier.com>

V7. Hands-On Workshops this Fall

Join us for one of our free, 4-hour, hands-on workshops to learn how to integrate our computer and handheld data-collection technology into your chemistry, biology, physics, math, middle school science, physical science, and Earth science curriculum. For a location near you, visit: <http://www.vernier.com/workshop/events.html>

V8. Join the Vernier "Power User Group"

You asked for it and we've created it. Over the years, so many of you have asked to be notified immediately when there are new software updates and products, that we have developed an all-new "Power User Group." Educators in this group will be updated as soon as new products and software updates become available. To respect everyone's privacy, the only way to be on this list is to sign up on our web site at the URL listed below. For those of you who don't wish to be part of the "Power User Group," you will still only receive 5 e-mail updates per year. You have our promise.

<http://www.vernier.com/poweruser>

5. Updates on U.S. Commission on Ocean Policy

At the NMEA Conference this summer, a few of my colleagues (Beth Day, Paula Keener-Chavis, Barbara Spector, Sharon Walker) and I held a session on the education recommendations of the U.S. Commission on Ocean Policy. In response to the interest that the session generated, we have pulled together a web page of links to relevant information. This page, which the COSEE

CCO has graciously agreed to host on www.cosee.net, includes:

- a summary of the Commission's recommendations on education;
- the text of the presentation given by Dr. Frank Muller-Karger, a Commissioner, during our session at NMEA;
- our notes from the discussion groups that met during the session;
- links to the Commission's web site;
- links to the reports of earlier ocean commissions (Pew, Stratton); and
- links to legislation being considered to implement the Commission's recommendations. The direct link to the page is <http://www.cosee.net/html/uscop.html> .

We hope you will find this information useful.

Sarah E. Schoedinger, M.S. Education Policy Analyst

Office of Education and Sustainable Development National Oceanic and Atmospheric Administration U.S. Department of Commerce

6. EXPLORING THE SEA WORLD. This 900-page document is entirely a self-published effort. Information (including an order form) can be found at:

<http://members2.1stnetusa.com/~sealabmanual>

7. Coastal Explorations <http://www.leo.lehigh.edu/envirosci/geology/coast/>

is a virtual photojournal that allows learners to explore a variety of coastal formations and unique features in many different locations along the California and New Jersey coasts. Learners investigate the differences and similarities between California and New Jersey coasts. Areas to explore include coastal processes and coastal issues such as erosion, how human activities modify shorelines, and development issues people living on the coast encounter.

8. Trace the Hunt for the Alligator, the U.S. Navy's first submarine!! The expedition took place from **August 22 until August 31** off the coast of Ocracoke, NC, within the Graveyard of the Atlantic. Many exciting opportunities are available for classrooms to tune in to the hunt via the expedition website at <http://sanctuaries.noaa.gov/alligator/hunt2004>

During the week of November 15-19, 2004, the National Geographic Society will sponsor Geography Awareness Week. Since 1987, Geography Awareness Week has promoted geographic literacy in schools, communities, and organizations, with a focus on the education of children. One day of Geography Awareness Week is set aside as GIS Day, a day to learn about **geographic information systems (GIS)** – computer software, data, and solutions that are used by hundreds of thousands of people worldwide in government, education, and business. GIS Day is a global event for thousands of users of GIS technology to help educate children and adults about the applications of geography and computer-aided mapping and how they make a difference in their lives. **On Friday, November 19**, the Long Island GIS Users Group (LIGIS) will partner with Brookhaven National Laboratory and Environmental Systems Research Institute to host GIS Day in Suffolk County. LIGIS is a volunteer organization that was formed in 1987 to enhance communication and cooperation among GIS professionals on Long Island. LIGIS has over 580 members from federal, state, county, and town agencies, academic and non-profit organizations, and the private sector. We are pleased to invite your school to send a student delegation to participate in GIS Day 2004. Individual teachers and administrators are also welcome to attend. GIS Day events will be held at **Berkner Hall at Brookhaven National Lab**. Activities during the day will be geared mainly to high school and college students, to introduce them to GIS, GIS technology, and the wide variety of GIS applications. The format will include a brief opening presentation in the auditorium to introduce the concepts of GIS and an overview of how GIS is being used every day on Long Island. The rest of the day will be in the mode of a science fair, with LIGIS members and

vendors of GIS products and services sharing their knowledge through activities and exhibits. A partial, tentative schedule is attached to this letter; the schedule will be finalized in the fall. Exhibits will cover subjects as diverse as homeland security, open space programs, fire prevention, tidal wetlands, remote sensing, emergency response, and global positioning systems (GPS). There will be interactive, hands-on mini-projects, a map gallery, geography games, and prizes. Activities will appeal to students who are interested in a range of fields, including environmental science, social studies, computer programming and technology, and design. We encourage interested students to prepare and submit their own map posters and GIS/GPS projects and to compete for the First Annual LIGIS Student GIS Award. We realize that most schools are unable to make a firm commitment at this early date, but we would like to have an idea of how many schools are interested in participating and how many students may attend. Because of the “free-form” nature of the program, we would like to have an adult-to-student ratio of about 5:1. LIGIS members will be happy to serve as chaperone-guides if needed. To confirm your interest, or if you have any questions, suggestions, or ideas, please feel free to contact our GIS Day coordinator, Dr. Mary Daum, at (631) 344-2066 (daum@bnl.gov). We look forward to the successful joint education of geography in our schools! You can find information about past GIS Days at www.gisday.com. For more information about LIGIS, visit our website at www.ligis.org. We expect to have our own GIS Day web page when school resumes in September.

9. EstuaryLive. There will be 2 days of fun-filled sessions for EstuaryLive from the Rachel Carson site this year on September 21-22nd. See Sessions below. This is a Live, interactive internet field trip that you can access from your computer in your classroom FREE – we do ask that you sign up ahead of time – the sign up form and more info are on the webpage www.estuarylive.org - *sessions have been aligned with the NC Science Standards* for your convenience to help integrate into your curriculum – you can find this info on the webpage as well. General estuary information, Cephalopods, Fouling communities, Sustainable seafood, Boating Reptiles. Following the local EstuaryLive will be the National Estuaries Day celebration September 23 and 24th with Live sessions from around the US – this is a great opportunity to see and compare estuaries around the country LIVE – you will be able to ask questions! See the webpage for more details or go to www.estuaries.gov

10. If you would like to participate in this year's Estuary Snapshot Day -A Day in the Life of the Hudson River, please reply with the following information:

- Name and affiliation
- Email address, phone, and fax
- Likely partner, if known at this time
- Preferred sampling site

If you have questions, please don't hesitate to get in touch with me using the contact information below. I hope you will be able to join us for Snapshot Day this coming fall.

Steve Stanne, Interpretive Specialist
Hudson River Estuary Program
NYS Department of Environmental Conservation
email: spstanne@gw.dec.state.ny.us
website: www.dec.state.ny.us/website/udson/index.html

11. POW! The Planning of Wetlands Workshop
Cape Lookout Environmental Education Center, North Carolina
September 10-12, 2004 for details. Environmental Concern
410-745-9620 pow@wetland.org www.wetland.org

12. Fisheries Resources
See the American Fisheries Society web site,
<http://www.fisheries.org/html/index.shtml>

Guide to Fisheries Education Resources for Grades K-12 A. Crook and
M. Zint, principals 57 pages
Published by American Fisheries Society, December 1998
Stock #550.26; ISBN 1-888569-10-7

The Univ of WI Environmental Resources Center provides a national
on-line searchable data base of youth water education materials. See,
www.uwex.edu/erc/ey paw

13. YOUTH VENTURE

Youth Venture provides seed money grants of up to \$1,000 for new
youth-created, youth-led, sustainable ventures that benefit the
community. Youth ages 12-20 who want to start a new ongoing
environmental club or organization can get guidance on how to plan,
organize, and launch their venture, along with funds for start-up
expenses. Visit the website to get information and start the application
process. <http://www.youthventure.org/>

14. ENVIRONMENTAL CAREERS CONFERENCE - VIDEO BROADCAST October 5, 2004

The Green Careers Conference will take place via a live video
teleconference broadcast to provide information pertaining to
sustainable careers. Eight environmental employers on two panels will
provide inside information on how to get into a great career that
sustains our environment.
<http://www.environmentalcareer.com/conference.htm>

15. WATERSHED ACADEMY TRAINING CDS

Watershed Academy is offering a free CD version of the online watershed training program. Each module is interactive and written in a style to optimize understanding by general audiences. Used by a number of professors as a framework for their college courses. Orders for up to 50 CDs require no special approval. Request: "Watershed Academy Web on CD"

publication no. EPA 841-C-03-001 by email: ncepimal@one.net, call: 800-490-9198, or visit website:

<http://www.epa.gov/watertrain/getCD.html>

<http://www.epa.gov/watertrain/>

**16. ANNUAL NEW JERSEY ENVIRONMENTAL EDUCATION CONFERENCE
January 6-8, 2005 - Lawrenceville, New Jersey**

Each year hundreds of formal and nonformal educators from across New Jersey gather together to network, improve their skills, and expand their knowledge. Over 50 concurrent sessions, two keynote presentations, and several full and half-day professional development workshops.

Contact: ANJEEconference@yahoo.com

<http://www.anjee.net>

17. EPA PRESENTS "AFTER THE STORM"

The Environmental Protection Agency is airing a half-hour television special about watersheds and stormwater runoff on The Weather Channel, Saturday, September 18, 2004 at 8:00 pm and 11:00 pm EST. "After the Storm" explores how polluted runoff threatens the nation's waters. VHS copies are available free for educational purposes by calling 800-490-9198 or emailing: ncepimal@one.net.

<http://www.epa.gov/weatherchannel>

18. AMERICAN MUSEUM OF NATURAL HISTORY (AMNH) SCIENCE BULLETINS

The AMNH Science Bulletin Website has been updated to provide news on recent discoveries in biodiversity, Earth sciences and astrophysics. The bulletins present current science news stories through video stories, 3-D graphics, and interactive satellite data visualizations.

<http://sciencebulletins.amnh.org/>

19. ENVIRONMENTAL EDUCATION WORKS

Data, studies and case examples of how environmental education has a measurable impact on environmental protection and improved student learning include better results on standard tests. The EE-works is a service of the National Environmental Education and Training Foundation (NEETF). <http://www.TheEEWorks.org>

20. THE COLUMBIA RIVER VIRTUAL FIELD TRIP: AN AMAZING WATERSHED JOURNEY

Learn about Columbia River history, geology, the headwaters region, First Nations and Native Americans culture, current issues and challenges to the river, make educational connections, and provide glimpses of sustainability about the future of the river with readings on the river from multiple perspectives. Designed for middle and high school students and teachers in conjunction with Tramline, an award-winning creator of virtual field trips. A web product of the Columbia Basin Environmental Education Capacity Building Initiative (CBI). Contact: Kim A. Freier, Ed.D. kfreier@mail.wsu.edu
<http://cbi.wsu.edu>

21. ASK DOCTOR GLOBAL CHANGE

A reference service provided by Global Change Research Information Office (GCRIO) that assists in finding information and data relevant to global environmental change. Provides students with a searchable collection of answers to questions about issues related to climate change and students can submit questions of their own and explore related links.
<http://gcrio.custhelp.com/cgi-bin/gcrio.cfg/php/enduser/home.php>