



Scotch Bonnet

What we are hearing from the sea.

North Carolina Sea Grant

www.ncseagrant.org

Spring 2008

NMEA Conference in Savannah

Mark your calendars for July 21-24 and head to Savannah, Ga., to enjoy the National Marine Educators Association's annual conference. Knowledgeable speakers, field trips to wonderful places and invaluable concurrent sessions will fill this week with incredible learning opportunities. Online registration is open, so visit the Web site and register for this event ASAP.

Plenary and concurrent sessions fill the first three days of the conference. Learn about the natural history of Georgia or about Georgia's fisheries. Listen to Cornelia Bailey talk about growing up Geechee on Sapelo Island. Enjoy a performance by the world famous Crabettes. And that's just a few of the plenary sessions! Concurrent sessions from fellow marine educators will focus on ocean literacy, the "International Year of the Reef," and fisheries, along with sessions of general interest.

The field trip/workshop day will be on Thurs., July 24. Boat trips and paddling trips, as well as tours of historic Savannah and Jekyll and Tybee Islands, will be featured. Or you can sign up for a fish printing or basketweaving workshop. There are options for everyone.

And we haven't even started talking about the special evening events, like the low country boil and starlight dancing on Skidaway Island, the book signings, or the lively auction where you can find that very special thing that you've been searching for!

To find out more about the conference, visit the Web: www.nmeaweb.org/savannah2008/. See you all in Savannah in July! Don't miss it!

Coastwatch on North Carolina Now
www.unctv.org/coastwatch

North Carolina Sea Grant, in conjunction with UNC-TV, completed three segments of *Coastwatch on North Carolina Now* this winter and spring. Each video segment featured a different coastal topic and

was accompanied by companion pieces in issues of Sea Grant's award-winning magazine *Coastwatch*.

The videos, as well as links to the print articles, can be found on the Web site: www.unctv.org/coastwatch. Featured topics included restoring urban



Ferrymon was featured on *NC Now*.

streams, searching for fishes and observing coastal water quality and ocean conditions from afar.

Marlene Stalls, an eighth-grade science teacher at Manteo Middle School, and I developed discussion and research questions to accompany the three topics. These classroom applications, along with Web links for additional content and activity ideas, also can be found on the Web site to make it easy for educators to use the video and print pieces with their students.

This project has been correlated with the NC eighth-grade science standard course of study, but it can be used with other grades and other subjects.

To evaluate the project, go online to: www.unctv.org/coastwatch and click on "evaluation." The team from North Carolina Sea Grant and UNC-TV is hoping to receive supplementary funding to continue the series over five years, focusing on additional standards-based topics for sixth, seventh and eighth grade science, including DVDs for educators.

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MAMEA Fall Conference

www.mamea.org

Plans for the Mid-Atlantic Marine Education Association (MAMEA's) 2008 Annual Conference are underway! Mark your calendars for Oct. 24-26, and set your sights for Virginia Beach, Va.

We'll turn our attention to the status of our Mid-Atlantic coastal environments and ask, "What do students and citizens need to know?" Together, we'll share strategies for "How do we teach them?"

The conference hotel will be the Virginia Beach Resort & Conference Center.

Located near the mouth of the Chesapeake, this hotel commands a view of the Bay and is less than five miles from the conference



venue. Contact information: 2800 Shore Drive, Virginia Beach, VA 23451; www.virginiabeachresort.com; 757/481-9000 or 800/468-2722. Nightly rate is \$119.00 (plus taxes) for a single or a double.

There are a number of other options for accommodations. Virginia Beach is noted for its many hotel choices, some waterfront, some not. You may be able to find something even more economical.

Conference sessions will be held at Cape Henry Collegiate School located at 1320 Dam Hill Road, Virginia Beach, Va. Located on a 30-acre campus in a residential area, Cape Henry Collegiate School is a pre-K through 12th-grade college-preparatory, coeducational, independent, day school. Its Sparks Science & Technology Center provides exceptional science teaching facilities. For more information about our meeting venue, visit: www.capehenrycollegiate.org.

The conference registration fee is yet to be determined, but we hope to keep it in line with past conferences at \$100 or lower.

Keep up with details as information is added to the Web site www.mamea.org/conf.html.

Summer Institute on Water Quality

www.eenorthcarolina.org

Environment and Health: Making Connections through Water Quality Investigations July 13 – 18, Trinity Center, Salter Path

This week-long teacher institute will provide an in-depth investigation of the diverse

environmental science, health and civic issues related to water quality in North Carolina. By using the interdisciplinary approach of environmental education, science teachers will learn how to address important water quality issues with their students both in the classroom and in outdoor wetland environments. Hands-on, real world experiences will be emphasized — be prepared to get wet, sandy and re-energized! The Institute is open to 8th- to 12th-grade science teachers.

Content and activities are aligned with the NC Standard Course of Study for Earth/Environmental Science, Advanced Placement (AP) Environmental Science, and 8th grade science. You will receive an incredible number of resources to take back to the classroom, as well as CEU and Environmental Education Certification credits.

This institute is made available by the Environmental Education Fund, with funding provided by the N.C. Division of Water Quality, the UNC Superfund Basic Research Program, and the Albemarle-Pamlico National Estuary Program and is administered by the Office of Environmental Education.

For additional information, please contact Sarah. Yelton@ncmail.net or call 800/482-8724. To apply, fill out the online application at www.eenorthcarolina.org/summer_form.html.

Free Teacher Workshops

www.ncaquariums.com

Educators can enjoy a week's worth of training July 14-18 at the North Carolina Aquarium at Fort Fisher (NCAFF). Attend one or more workshops — you choose what interests you, and all workshops are free of charge! CEU credit will be available for all workshops, and credit towards EE certification (Criteria I, II or III) will be available for most of the workshops.

- **Monday, July 14, 9 a.m. – 4 p.m., Aquariums Teacher Workshop** introduces K-12 teachers to pre- and post-visit activities designed to enhance an aquarium field trip, as well as to integrate ocean awareness across disciplines.

- **Tuesday, July 15, 9 a.m. – noon, Incorporating Environmental Education into the Humanities** focuses on helping educators bring environmental appreciation and education into the humanities. Participants create their own journal and practice the art of papermaking, creative writing and

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drawing from nature.

- **Tuesday, July 15, 1 – 4 p.m., Art and Nature.** The N.C. Museum of Art's workshop investigates the artist's use of nature as a subject that reflects and addresses cultural attitudes and beliefs about the environment. This workshop will include modeling of classroom applications of integrated art and nature activities.

- **Wednesday, July 16, 9 a.m. – 4 p.m., Project Learning Tree** uses trees as "windows" into natural and built environments, helping people gain an awareness and knowledge of the world around them and their place within it.

- **Thursday, July 17, 9 a.m. – 4 p.m., Project WET** provides water education curriculum for K-12 teachers and informal educators. Through hands-on activities, participants acquire tools for fun and effective water education applicable across disciplines.

- **Friday, July 18, 9 a.m. – 4 p.m., Plants That Bite Back** focuses on activities and resources for middle grade educators to teach about carnivorous plants. Carolina Beach State Park's activity packet includes content information, as well as pre-visit, on-site, and post-visit activities that can be used as part of a visit to the park.

To register for any workshops on July 14-17, please e-mail ncaff.registrar@ncmail.net. or call 910/458-7468. To register for the carnivorous plants workshop on July 18, please e-mail martha.flanagan@ncmail.net, or call 919/870-4865.

Summer Happenings and More

North Carolina Aquarium on Roanoke Island, www.ncaquariums.com. Dive into science with the Aquarium on Roanoke Island's summer day camps. Campers will have waves of fun snorkeling and exploring the beach, marshes and forests of the Outer Banks.

Four weeklong sessions will be offered. Junior Aquatic Adventure Camp for ages 7-9 will run June 17-20 and July 29-Aug. 1. Aquatic Adventures Camp for ages 10-12 will be held July 15-18 and Aug. 12-15.

For more information or to register your child(ren), please call 252/473-3494, ext. 232.

And for the entire family, visit the Aquarium this summer during one of their theme weeks and dive into even more fun and exploration.

Don't miss these exciting opportunities to learn

more about selected topics: "Hurricane Week," June 2-6; "Ocean Awareness Week," June 8-13; "World Ocean Day," June 8; "Shark Week," July 28-Aug. 1; and "Amphibian Week: Celebrating the Year of the Frog," Aug. 4-8.

- **North Carolina Estuarium,** www.partnershipforthesounds.org. They're gearing up for a great summer at the Estuarium in Washington, N.C. Art exhibits for the summer include painting, photography and the Junior Duck Stamp award winners. Children's programming features Pamlico Joe, photography instruction, storytelling, birds, snakes, and bees. And don't forget the free River Roving boat trip on the Pamlico River. Call for reservations at 252/948-0000 or check our Web site for details. The Estuarium is located at 223 E. Water St., in downtown Washington.

- **Brazilian Adventure With Sci-Link,** www.ncsu.edu/scilink/brazil_intial_page.htm. Travel with Brazilian educators on this 15-day Pantanal/Sao Paulo international education and ecology experience! Spend the first week in Sao Paulo — a city of 17 million residents and the economic center of Brazil — and the second week in Pantanal — home of world's largest wetland and most dense flora and fauna. Join United States and Brazilian educators and experts, side by side, for this great opportunity set for July 13-26. Trip details and scholarship opportunities available on the Web site.

- **International Workshop at Grandfather Mountain,** www.ncsu.edu/scilink/grandfather_intial_page.htm. Join educators from North Carolina, Tennessee, Florida and other states, as well as teachers from China, Brazil and Finland, as they experience this transformative week in the North Carolina mountains! Immerse yourself in the mountain environment through research presentations and outdoor activities. Develop hands-on, inquiry-based activities to take back to your classrooms and non-formal centers during this workshop scheduled for June 23-28 in Banner Elk. See Web site for details.

SEACOOS Posters Still Available

www.seacoos.org

Don't miss your opportunity for FREE posters to assist your instruction about several important ocean features. All four educational posters are still available for your classrooms. Poster titles include: "Making

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Waves,” “Forming Hurricanes,” “Flowing Ocean: Understanding the Gulf Stream,” and “Catching the Current: Who Goes with the Flow?”

These posters will bring a current of excitement to your classroom. The SouthEast Coastal Ocean Observation System (SEACOOS), the Center for Ocean Sciences Education Excellence - SouthEast (COSEE SE), and North Carolina Sea Grant make these materials available to all educators in North Carolina, South Carolina and Georgia.

Request a set of two or four posters, or three to five copies of an individual poster, or other combinations. The posters will be mailed to North Carolina schools and education facilities as long as the supply lasts. No single copy requests, please; share extras with your coworkers.

E-mail your request for FREE posters to: Terri Kirby Hathaway, North Sea Grant marine education specialist, terrikh@csi.northcarolina.edu.

Be sure to include the name and shipping address of your school.

To Contact Me

My contact information is: North Carolina Sea Grant, PO Box 699, Manteo, NC 27954; phone: 252/475-3663; e-mail: terrikh@csi.northcarolina.edu.

Please check your mailing label — if we need to make changes to your address, or if you’re getting more than one copy of *Scotch Bonnet*, let me know! Don’t forget to recycle this newsletter after sharing it with friends and colleagues.

Best Fishes!

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