



Scotch Bonnet

What we are hearing from the sea.

North Carolina Sea Grant

www.ncseagrant.org

Winter 2008

UNC-TV Teams With Coastwatch

North Carolina Sea Grant and UNC-TV are teaming up to present *Coastwatch on North Carolina Now*. The first segment – focusing on the Rocky Branch stream restoration project – aired on Dec. 18 as part of UNC-TV's nightly newsmagazine. A companion print story, "Cracking the Culvert: Urban Stream Restoration in North Carolina," appeared in the holiday issue of *Coastwatch*, Sea Grant's flagship publication.

"UNC-TV and North Carolina Now are excited to be working in collaboration with North Carolina Sea Grant on this project. We are looking forward to bringing our viewers statewide more information



on coastal science and an up-close look at important coastal research being conducted by Sea Grant and its partners," said Shannon Vickery, UNC-TV executive producer for content.

Three pilot segments are being funded by a grant from North Carolina State University's Office of Extension, Engagement and Economic Development. The two future segments will focus on how fishermen locate fishes and the recent and relevant development of ocean observing technology.

UNC-TV is working with Sea Grant to develop Web content on www.unctv.org/coastwatch, including downloadable and streaming versions of the segments, as well as material and links that show how the feature topics correlate to eighth-grade science standards, said Katie Mosher, *Coastwatch* managing editor.

Marlene Stalls, eighth-grade science teacher

at Manteo Middle School, is part of a team who identified coastal science topics for the series. "These stories will make a difference," she said. "Students will see concepts revealed within the coastal region and the larger watersheds."

Stalls and North Carolina Sea Grant marine education specialist Terri Kirby Hathaway are developing discussion and research questions to accompany the three video segments and companion *Coastwatch* articles. These classroom applications, along with Web links for additional content and activity ideas, will be added to the Web site so that educators can use the video and print segments with their students.

Although this project has been correlated with the N.C. eighth-grade science standard course of study, it is certainly appropriate for other grades and other subjects. Don't miss out on this unique educational resource and opportunity for your students!

Explore Costa Rica with MAMEA

www.holbrooktravel.com/MAMEA

Join Mid-Atlantic Marine Education Association (MAMEA) members on a trip to Costa Rica Sept. 27- Oct. 5, to experience the diverse terrain of a tropical paradise! Highlights on this nine-day excursion include a rainforest reserve, wildlife float trip, spectacular active volcano, whitewater rafting, tropical dry forests, hot springs, Pacific beaches and estuaries, and snorkeling. From the jungle reserve of Selva Verde, home of the green macaw, to the sandy shores of Playa Potrero and the mud pools of Rincon de la Viega, this is sure to be a memorable journey!

Cost per person: \$1,395, double occupancy, plus international airfare. Reserve your spot soon with a deposit of \$200, but no later than May 27. We need to

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have a minimum number for the trip to go, so come on and sign up ASAP!

For more information, contact Terri Kirby Hathaway, 252/475-3663, ext. 32; terrikh@csi.northcarolina.edu or visit the Web site.

COSEE SE Teacher Workshops

www.scseagrant.org/se-cosee/teacher.htm

Keep an eye on the Center for Ocean Sciences Education Excellence SouthEast (COSEE SE) Web site for information and applications for their summer professional development opportunities.



The Coastal Legacy workshop will be held June 22-27 in Charleston. The 2008 workshop will focus on water quality, coastal development and healthy ecosystems. The Ocean Sciences Education Leadership Institute is set for June 22-28 in Wilmington. This workshop will focus on undersea research and technology.

Details and application procedures will be on the Web site soon!

NC MAMEA Mini-Conference

www.mamea.org

Mark your calendars for March 7-8 from 6:30 p.m. Friday to noon Saturday for the Third Annual MAMEA NC Mini-Conference and Sleepover scheduled for the NC Aquarium on Roanoke Island!

Explore new activities that will enhance your aquarium visit, as well as add new tools for the classroom. This "fin-tastic" night will include live animal presentations, outdoor and classroom activities and a chance to explore the Aquarium in a whole new way!

Evening snacks and breakfast are included. Formal and informal educators are all invited! Please bring your own sleeping bags and pillows. Fee is \$10 for MAMEA members and \$20 for nonmembers. To register or for more information, please contact Wendie Paramore at 252/473-3494, ext. 232; wendie.paramore@ncmail.net.

COSEE SE Ocean Awareness Days

www.scseagrant.org/se-cosee/

COSEE SouthEast is offering several Ocean Awareness Day events in early 2008. These events are planned and conducted by COSEE SouthEast Ocean Sciences Institute participants who work with informal education facilities called SEPORTs, or SouthEast Portals to Ocean Research for Teachers, to bring content and activities to educators in their own, and surrounding, school systems.

Four separate ocean-related events are scheduled for February and March in North Carolina.

Ocean Exploration, Why "Boldy Go?"

Discovery Place, Charlotte

Tuesday, Feb. 19

8 a.m. – 4 p.m.

Cost: Free

Educators can get a variety of hands-on activities for the teacher's toolbox for ocean science education, including, "Globe Toss" "Seeing Underwater," and "Mission Possible." Take a virtual field trip to a hydrothermal vent site and explore the fascinating world of chemosynthesis-based life there. In addition, teachers can learn about various on- and underwater vehicles used in modern ocean research and how to make one or two of their own. Registration deadline is Jan. 19.

To register or for more information, contact Jessica Murphy, jessicam@discoveryplace.org; or Larry Hollis, larry.hollis@cms.k12.nc.us.

Come ROV With Us

N.C. Museum of Natural Sciences, Raleigh

Saturday, March 1

9 a.m. – 4 p.m.

Cost: \$15 (includes lunch, books and materials)

Investigate technology used to explore the ocean floor and the methods of undersea research. Learn how to make remote operated vehicles (ROV) and underwater gliders to use with your class. Meet with one of North Carolina's leading ocean researchers, Steve Ross, associate research professor at the University of North Carolina at Wilmington's Center for Marine Science, and learn about current research being conducted off the coast of North Carolina.

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and the eastern seaboard.

For more information or to register, please contact M.T. Fore at 919/733-7450, ext. 621; or *mary.palmer@ncmail.net*.

Ocean Awareness Day Teacher Workshop

NC Aquarium at Pine Knoll Shores,
Atlantic Beach

Monday, March 24

10 a.m. – 4:00 p.m.

Cost: Free

Classroom teachers are invited to join Aquarium educators and local scientists for their inaugural “Ocean Awareness Day Teacher Workshop.” Focusing on how teachers can incorporate ocean science and technology into their classrooms, the session will



increase understanding, and stewardship of the ocean world.

Teachers also will learn about the history of undersea exploration and see the technology currently used to explore deep-sea environments. In addition, they will see and test-drive remotely operated vehicles (ROVs), and learn new tools for bringing exciting technology like this into the classroom.

For more information or to register, contact Laurie Streble, 252/247-4003, ext. 283; or *Laurie.Streble@ncmail.net*.

Ocean Awareness through Technology

NC Aquarium at Fort Fisher, Kure Beach

Monday, March 24

10 a.m. – 4 p.m.

Cost: Free

Teachers have an opportunity to experience Remotely Operated Vehicle (ROV) technology for practical classroom use, operate an ROV built by high school students, understand science provided by ROV

use in the deep ocean, and network with other marine educators. Activities, presentations, snacks and Aquarium admission are provided

To register, contact Sami Herbert at 910/458-7468, or *NCAFF.registrar@ncmail.net*. For questions, contact Valerie Southgate, *vsouthga@nhcs.k12.nc.us*.

More Aquarium Workshops

www.ncaquariums.com

What: Project CATCH Workshop

Where: NC Aquarium on Roanoke Island

When: Wednesday, Feb. 6, 9 a.m. – 4 p.m.

Who: Formal and informal educators

Contact: Wendie Paramore, 252/473-3494, ext. 232; *wendie.paramore@ncmail.net*

What: It's Our Water

Where: NC Aquarium on Roanoke Island

When: Monday, Feb. 18, 9 a.m. – 4 p.m.

Who: High school science teachers

Cost: \$25

Contact: Wendie Paramore, 252/473-3494, ext. 232; *wendie.paramore@ncmail.net*

What: Project WET Workshop

Where: NC Aquarium at Pine Knoll Shores

When: Tuesday, March 25, 9 a.m. - 4 p.m.

Who: Formal and informal educators

Contact: Cindy Seymour, 252/247-4003, ext. 288; *cindy.seymour@ncmail.net*

What: Project WET Workshop

Where: NC Aquarium on Roanoke Island

When: Friday, April 4, 9 a.m. – 4 p.m.

Who: Formal and informal educators

Contact: Wendie Paramore, 252/473-3494, ext. 232; *wendie.paramore@ncmail.net*

SEACOOS Posters

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

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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 are making these materials available to all educators in North Carolina, South Carolina and Georgia.

Request a set or two of 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 Carolina 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, ext. 32; 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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