



# WAVELENGTHS

*The Newsletter of the Southern  
Association of Marine Educators*  
in Alabama, Florida Panhandle, Louisiana, and Mississippi

April 2013

*Making known the world of water, both fresh & salt*

## President's Letter:

Greetings, SAME Members! I hope you are all having a spectacular Spring, as it looks like it has finally sprung! This is a very exciting time for SAME as we move closer to hosting the National Marine Educators Conference in Mobile, AL, July 22-26. The planning committee has been hard at work putting together what promises to be a fantastic conference full of great educational outdoor experiences, opportunities to network with marine educators from around the country, evening events full of great food and entertainment, and of course our famous southern hospitality. Be sure to check out all the details at our conference website at [nmea.disl.org](http://nmea.disl.org) where you can get all the conference details and register for the conference. You can also get updates on the conference by liking the Southern Association of Marine Educators Facebook page. Some highlights of the conference include:

Keynote speaker Richard Louv, author of *Last Child in the Woods: Saving Our Children from Nature- Deficit Disorder* and founding chairman of the Children and Nature Network will speak at our opening event at the Saenger Theater. A reception with Roman Street band will precede the keynote address.

Join us Tuesday night at the Dauphin Island Sea Lab for a taste of New Orleans, with a Mardi Gras parade and the Stooges Brass Band! Afterward, guests are invited to tour the facility and check out all of the amazing educational resources available at the lab!

Wednesday is our annual banquet and silent and live auction event with music by Mustache the Band. You don't want to miss all the excitement of this evening, as folks bid on some fabulous items contributed by their fellow marine educators!

The best part about all three of these events – they are all included in the registration fee!

There's something for everyone in our conference field trips. From snorkeling and kayaking, to birding, boat tours, sailing or helping with shark research. There are event cultural field trips such as a visit to the Walter Anderson Museum where you can learn to cook up a roux!

Be sure to take advantage of the early bird registration rate, which will run through April 29<sup>th</sup>!

Lastly, one of the people who was most instrumental in getting us to host the conference this year sadly will not be with us to see it happen. As some of you may be aware from an email I sent out a few weeks ago, Johnette Bosarge passed away suddenly after developing complications post-surgery. She was for many years a driving force of both SAME and NMEA, and really pushed for SAME to host the conference this year. She will be very sorely missed at this year's conference, and the planning committee has decided to dedicate the entire conference to her memory. A special dedication ceremony will take place at the Saenger event just prior to Richard Louv's talk, and we hope to share that moment with many of you who knew Johnette and worked with her over the years. It won't be the same without her, but in her honor, we will put on the best conference ever, and we know Johnette wouldn't want it any other way.

Sincerely,  
Tricia LeBlanc

## In Memory of Johnette Bosarge (excerpted from NMEA News, March 2013)

### From the Pilot House

By Craig Strang, President

It is with great sadness that I write this message to you, the members of the NMEA, less than 48 hours since we have lost our dear friend, Johnette Bosarge, the Executive Assistant and only paid employee of the National Marine Educators Association. Johnette was our rock of dependability and stability. We will miss her deeply and for a very long time.

NMEA is in the midst of a critical yearlong strategic planning process; we are embarking on an ambitious revitalization of our communications, member services, Web presence, and use of social media; we are about to begin a major membership drive; the Next Generation Science Standards, infused with ocean and climate science, are about to be released; the Mid-Year Board Meeting is on the near horizon in San Antonio, Texas; and our fabulous Annual Conference in Mobile, Alabama is in sight this summer. And yet my world has come to an abrupt standstill as I attempt to absorb the shock and unfairness of Johnette's unexpected and sudden passing.

Johnette held us together as an organization with her keen efficiency and relentless work ethic, but also extended her immeasurable warmth and boundless kindness to us as individuals. She loved NMEA and every one of its members, and we, in turn, loved her back. She wasn't a marine scientist or a marine educator, but she was loyal to the organization and totally dedicated to its mission. She understood as much as anyone that NMEA is a collection of driven professionals with high standards, high expectations, and disproportionate impact given our small size, but that we are also a family of diverse individuals who care deeply about each other. She reveled in our accomplishments and regaled in our inside jokes. Johnette carefully and intentionally brought out the best in our professionalism and our humanity.

Her soft southern drawl and aw-shucks demeanor were disarming, but you didn't have to be around Johnette for very long to understand that it would be a mistake to underestimate her razor-sharp intellect. She spent most of her life in Vancleave, MS, but she could mix it up just fine with the cosmopolitan and international intelligentsia of NMEA. She came to NMEA in 1999, and for the next 14 years, never missed a beat, never missed a deadline, and never met a better way to do things that she didn't like—and adapt to.

In the last days before she passed away, Johnette completed the final preparations for this issue of NMEA News. We dedicate it to her, and hope that you will enjoy the tributes to her that we added just before going to press. It is a small and humble monument, built with her own hands. It will not be the only tribute to her memory. The 2013 NMEA Conference will be officially dedicated to Johnette, and we have already established a memorial scholarship fund as a permanent tribute in her honor. In the last 24 hours, I have read hundreds of emails and Facebook posts from all over the United States, Europe, and Australia expressing sadness and condolences. They are still pouring in, and I'm sure they will continue for a good long time.

I close by asking you all to take a moment, wherever you are, and however well you knew Johnette, to hold her in your thoughts and send her our collective gratitude. And please send waves of love and support to Johnette's husband, Paul, and to her daughters Paula and Jessica, their husbands and extended families. And finally, please, please, enjoy this issue of NMEA News, the last edition created by Johnette Bosarge.

*Following are a small collection of quotes from those who knew and loved Johnette.*

Oh Lord, our hearts are broken! Johnette and I have been friends for four decades and she has worked with me since 1988! Oh my goodness, how we will all miss Johnette; she is the salt of the Earth!

Sharon Walker

We should all stop for a moment today and think about the ways Johnette's life enriched ours. We'll miss her spirit and can-do approach to every little problem or opportunity that arose in the life of NMEA. I, for one, am dedicating the rest of my work for NMEA to this remarkable, warm, and generous person. Be well, all. Our time is fleeting. Celebrate life; especially the memories of those who lived it so well and generously as did Johnette.

Don Hudson.

All of our lives were richer for having been among the people Johnette loved. Those of us who have served the organization found our work made easier.

Jean May-Brett

We honor Johnette as the wonderful person she is and her lifetime and immeasurable contributions to NMEA! Our "watery" hearts are heavy and sad.

Charlene Dindo

Johnette was the backbone of NMEA and our chapter of SAME in so many ways. She was such a warm, funny, caring person and her dedication to both NMEA and SAME was boundless. We would like to dedicate the NMEA 2013 Conference to Johnette and are discussing ways that we can honor her memory during the Conference.

Tricia LeBlanc

I would not be the person I am today without her guidance. We have a long, hard road ahead of us, but thoughts of Johnette will keep me motivated and striving to be a better person.

Chris Breazeal

I think I can speak on behalf of many past Presidents when I say I could not have made it through my year as president without Johnette. I'm not sure any of us will truly know how much she has done on behalf of NMEA.

Diana Payne

Johnette was a treasure to all of us—she truly embodied the character and spirit of what is so special and unique about NMEA.

Julie Henry

Johnette was such a force of life and fun, so strong and vibrant, I never thought of her ever in the contest of death. I am so thankful to have known her.

Vicki Clark

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The Johnette D. Bosarge Memorial Scholarship has been set up to provide one scholarship annually for an NMEA member to attend the national conference.

Those wishing to contribute to the scholarship fund should send a check, made payable to "NMEA," to:

Don Hudson

26 Mosquito Run

Arrowsic, ME 04530

Please note "In memory of Johnette" in the memo line.

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With the approval of the NMEA Executive Committee, Denise Reinke, IMMS Senior Marine Educator, has been appointed as the Interim NMEA Administrative Assistant, working through the annual conference in July.

Be sure to check out all of the details of the upcoming NMEA 2013 Conference taking place in Mobile, AL this summer! Full conference details and registration are available at [nmea.disl.org](http://nmea.disl.org).

And don't forget, early bird registration rates are available through April 29, 2013.



### Canal Lighthouse Museum & Education Center Grand Opening



The Lake Pontchartrain Basin Foundation would like to announce the opening of the New Canal Lighthouse Museum and Education Center on Saturday, April 20th. The hours of operation are 10am-4pm on Thursday to Saturday and by appointment for group presentations on Monday to Wednesday. There is an admission fee. Call 504-836-2238 to schedule a group presentation. Come hear the history of the lighthouse and the region, the work that has been done to SAVE OUR LAKE and the plans LPBF has for the future to SAVE OUR COAST.

Visit the Dauphin Island Sea Lab on Saturday, April 20<sup>th</sup>, for their annual open house. Tour open research labs to learn the latest in scientific discoveries, and get your passport stamped! Lots of area organizations will be present, including the Azalea Trail Maids, Environmental Studies Center, and Smokey the Bear. The all-new Rays of the Bay touch tank will also be open! Join us for this fun-filled day, and "Come SEA what we've been up to!"

An advertisement for Discovery Day at the Dauphin Island Sea Lab. It features a large building and a list of activities. The text includes "Dauphin Island Sea Lab", "DISCOVERY DAY", "SATURDAY - APRIL 20th 10AM - 2PM", "FREE CHILDREN'S ADMISSION", "OPEN LABORATORIES", "FUN KID'S MARINE ACTIVITIES", "GIFT SHOP DISCOUNT", "FUN FOR THE WHOLE FAMILY", "Come SEA what we've been up to!", and "NOW OPEN!". There is also a logo for "RAYSBAY TOUCH TANK".

**Southern Association of Marine Educators  
Awards Application**

**Deadline: October 1, 2013**

**Please complete this form and mail to:**

**Jean May-Brett  
1627 Taylor St  
Kenner, LA 70062**

**Or, attach to email and send to [jean.may-brett@la.gov](mailto:jean.may-brett@la.gov)**

**If you have questions, please call Jean May-Brett at: 504.466.9621.**

**Please check one:**

**Nomination for: \_\_\_\_\_ Outstanding Marine Educator**

**\_\_\_\_\_ Outstanding Service to SAME**

**\*\*\*SAME awards are presented to individuals.**

**Nominee's Information:**

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City, state, and zip code:** \_\_\_\_\_

**Day phone:** \_\_\_\_\_

**Evening phone:** \_\_\_\_\_

**Email:** \_\_\_\_\_

**Occupation:** \_\_\_\_\_

**Place of work:** \_\_\_\_\_

**List his/her contributions to SAME:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Give examples of his/her service to the fields of marine or aquatic science/education.**

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**Unique or extraordinary accomplishments in the fields of marine or aquatic science/education.**

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**If this is a nomination for the Outstanding Service Award to SAME provide evidence to indicate why this candidate is deserving of this award.**

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**Your contact information:**

**Name:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**Email:** \_\_\_\_\_





Audubon Aquarium  
of the Americas  
A Facility of Audubon Nature Institute



## Scope-On-A-Rope Teacher Workshop

Are you in need of an educational tool that captures your students' attention and promotes learning at all levels? Then come join us to the Aquarium on April 27th to learn about LSU's Scope-on-a-Rope (SOAR) Program and to become certified to borrow a SOAR for use in your classroom. All participants will also receive a set of activities with connections to the Next Generation Science Standards for grades K-5.

**Where:** Audubon Aquarium of the Americas, New Orleans  
**When:** Saturday, April 27, 9am-noon  
**Who:** elementary educators

The SOAR is a hand-held microscope that connects to an ordinary television, projector, or active board, allowing all your students to see focused, magnified images instantly! The Audubon Aquarium of the Americas is proud to be a partner with LSU to allow New Orleans area teachers access to hands-on SOAR kits. The kits contain a Scope-On-A-Rope as well as biofacts (shark skin, shells, feathers, etc.) and activity ideas for you to explore with the SOAR. Teachers who become certified to use the SOAR can check out a kit from the Aquarium for use with their students!

Registration in advance is required. There is a fee of \$10 for this workshop; to reserve your place in the workshop, this fee needs to be paid in advance. To register, please complete the attached registration form and mail it along with the registration fee to:

Audubon Aquarium of the Americas  
Education Department - Attn: Tricia LeBlanc  
1 Canal St.  
New Orleans LA 70130

Questions? Contact Tricia LeBlanc at [tleblanc@auduboninstitute.org](mailto:tleblanc@auduboninstitute.org)  
or LSU SOAR Program Coordinator Adrienne Steele, [soar@lsu.edu](mailto:soar@lsu.edu)



Audubon Aquarium  
of the Americas  
*A Facility of Audubon Nature Institute*

## SOAR Workshop Registration Form

April 27, 9am-12pm

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_  
Street City State Zip

Email Address: \_\_\_\_\_

Phone #: \_\_\_\_\_

School Name: \_\_\_\_\_

Grade Levels You Teach: \_\_\_\_\_

Subject(s) You Teach: \_\_\_\_\_

Have you ever participated in a SOAR workshop before? \_\_\_\_\_

Would you like to be contacted about other Aquarium workshops in the future? \_\_\_\_\_

Please complete this form, and return it along with the \$10.00 registration fee to:

Audubon Aquarium of the Americas  
Education Department - Attn: Tricia LeBlanc  
1 Canal St.  
New Orleans LA 70130

Questions? Contact Tricia LeBlanc at [tleblanc@auduboninstitute.org](mailto:tleblanc@auduboninstitute.org)

2013 SUMMER TEACHER WORKSHOPS AT  
THE DAUPHIN ISLAND SEA LAB!

Visit the beach  and earn CEUs!



*Teachers work on a restoration project along Mobile Bay.*

**Reefs, Rhizomes and Restoration**

A multi-day workshop focusing on coastal habitat restoration. Participating educators will learn about the science of restoration ecology, and visit real restoration sites. Get a close-up look at different tools and techniques used for restoration, build your own reef ball, and explore ways to adapt this information for your classrooms.

June 2 – 6, 2013

**Climate Change in the Gulf of Mexico**

A multi-day workshop for you to learn the latest about climate change and how it can be addressed in the classroom. What are the impacts on Alabama and the Gulf region? Hear about climate change from researchers, conduct hands-on activities suitable for your students, explore data-rich online resources, and develop lesson plans.

June 9 – 13, 2013

**Technology in Marine Science – ROV**

Are you a high school teacher? Do you teach environmental science, marine science, engineering, physics, or physical science? This may be just the workshop for you! Teachers will learn about ROVs, and be provided with ROV materials to take back to your school. Assemble a team of students to bring back the following school year for an ROV competition!

July 7-11, 2013



*A teacher takes a turn driving a research ROV in Mobile Bay.*

**Fins, Fishes and Fisheries**

A multi-day workshop focusing on fisheries management and seafood sustainability. Activities will include learning about current fisheries research, trawling in Mobile Bay and offshore, visiting local aquaculture facilities and practice being a fisheries manager!

July 28 – August 1, 2013



DISL is an AMSTI affiliate

Please visit <http://dhp.disl.org/teachertraining.htm> for complete program information.

Contact Sara Johnson at (251)861-2141 x7515 or [sejohnson@disl.org](mailto:sejohnson@disl.org).

## Grand Bay National Estuarine Research Reserve Presents April's **Adventure Quencher** Event



### Looking at a Small Corner of our Earth—A Carnivorous Plant Walk Through a Pine Savanna

**What:** Join our **FREE** Earth Day Celebration! Ms. Heather Sullivan from the Mississippi Museum of Natural Science and a member of the Mississippi Native Plant Society will be guiding the walking tour for us as we travel to the various locations within the Grand Bay National Wildlife Refuge/Reserve to observe a variety of carnivorous and savanna plants and to learn why it is important to monitor these types of habitats to detect changes in biodiversity. This activity will require a moderate amount of casual walking through a variety of habitats. Plants that you have a chance of seeing in bloom include pitcher plants (four types), sundews, butterworts, orchids and bladderworts. Be sure to wear old shoes or boots because the ground may be muddy in places. As always, be sure to bring plenty of water, bug spray, sun screen, old shoes or boots and a hat! You might also want to bring your binoculars, because you never know what birds we might see during this time of the year. See you there!

**When:** Saturday, April 13, 2013 from 9:30 AM till 11:30 AM

**Where:** Grand Bay Coastal Resources Center located at 6005 Bayou Heron Road, Moss Point, MS 39562 in southeastern Jackson County. Check out [www.grandbaynerr.org](http://www.grandbaynerr.org) for directions and a map.

**Info?** Need more info? Call Jennifer at 228.475.7047 or email her at [jen.buchanan@dmr.ms.gov](mailto:jen.buchanan@dmr.ms.gov).



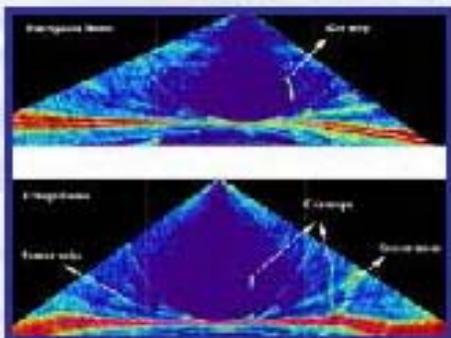
A gas capture device was added to the front of the GOV-Hercules remotely operated vehicle for several dives. Image courtesy of the NOAA Ocean Explorer Program.



A collage of images from the Ocean Explorer control room and ROV systems. Image courtesy of the NOAA Ocean Explorer Program.

## How Do We Explore?

The NOAA Ship *Okeanos Explorer* is the United States' first dedicated ship for exploring our largely unknown ocean. The combination of multibeam mapping, remotely operated vehicles, oceanographic sensors, and telepresence communication technologies enables learners of all ages to participate in real time in voyages of discovery all over the world. Learn how NOAA works with ocean explorers to decide where to explore the ocean, what equipment and instrumentation is used in ocean exploration, and how ocean explorers interpret the data from the deepest reaches of the ocean floor for the purposes of discovery and the advancement of knowledge.



Multibeam targets (presumed geosynclinal) delineated over the Pacific and Atlantic during the Gulf of Mexico 2012 Expedition. Image courtesy of the NOAA Ocean Explorer Program.



National Oceanic and Atmospheric Administration (NOAA)  
Office of Ocean Exploration and Research

oceanexplorer.noaa.gov



NOAA Ship *Okeanos Explorer*: America's Ship for Ocean Exploration

Introducing Volume 2 of the *Okeanos Explorer Education Materials Collection*:

# How Do We Explore?

## Professional Development

for Educators of Grades 5-12

Saturday, June 22, 2013

8:30 a.m. - 4:00 p.m.

In Partnership with and Hosted by  
Audubon Aquarium of the Americas  
New Orleans, Louisiana

This professional development introduces *Volume 2 of the Okeanos Explorer Education Materials Collection: How Do We Explore?* The NOAA Ship *Okeanos Explorer* is the Nation's first ship dedicated to solely exploring the world's ocean. Participants will learn how to use standards-based lessons and other online resources that guide classroom investigations into the innovative exploration strategies, sophisticated instrumentation and equipment used onboard the ship to explore our largely unknown world ocean. Topics include how targets are selected for exploration, mapping techniques, water column exploration, remotely operated vehicles and telepresence technology that enables access to real time ocean exploration. Participants will also learn how explorers use data gathered at targetsites to learn more about our deep ocean world.

Registration is required and space is limited. Educators who attend the full day will receive a \$50 stipend. Each participant will receive *Volume 2 of the Okeanos Explorer Education Materials Collection, How Do We Explore?*, materials related to activities presented during the workshop, a NOAA Ocean Exploration Certificate of Participation, continental breakfast, and lunch.

**Registration Deadline is May 21, 2013**

To register, contact Tricia LeBlanc at the Audubon Aquarium of the Americas

Phone: (504) 378-2675 or

E-mail: [tbleblanc@AudubonInstitute.org](mailto:tbleblanc@AudubonInstitute.org)

**Southern Association of  
Marine Educators (SAME) Membership Application**  
*Making known the world of water, both fresh and salt.*

Membership includes the WAVES Newsletter and annual educational workshops. The organization offers you the chance to meet, learn, and network in an aquatic setting. Annual dues are \$8.00. If you decide to join the National Association of Marine Educators (NMEA), your NMEA dues will be reduced by \$8.00. To become a member, print this page, complete the information requested, and send it with your membership dues to the SAME treasurer (address below).

Name \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_

Tel: home ( \_\_\_\_\_ ) \_\_\_\_\_ work ( \_\_\_\_\_ ) \_\_\_\_\_

Fax: ( \_\_\_\_\_ ) \_\_\_\_\_ Email: \_\_\_\_\_

School/Employer \_\_\_\_\_

Do you presently belong to NMEA? Yes No



**\$8.00 per year, payable to the Secretary/Treasurer of SAME**

**Dianne Lindstedt**

Louisiana Sea Grant College Program

201 Sea Grant Building, LSU

Baton Rouge, LA 70803

[dlindst@lsu.edu](mailto:dlindst@lsu.edu)



Deadline for submissions to the Fall SAME Bi-Annual Newsletter is Friday, August 30, 2013. Activities, events, websites and other news should be directed to: Sara Johnson, Dauphin Island Sea Lab, 101 Bienville Blvd, Dauphin Island, AL 36528. Fax number: (251) 861-7421  
Email: [sejohnson@disl.org](mailto:sejohnson@disl.org)