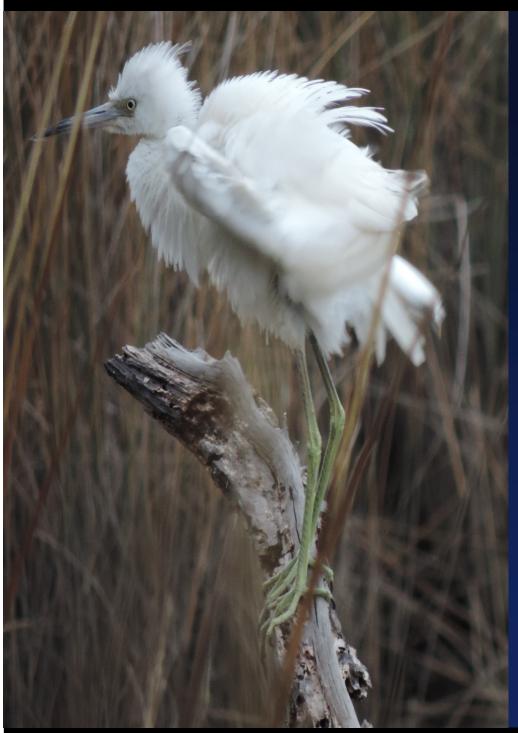
# SeaScripts



The Newsletter of the South Carolina Marine Educators Association



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Fall 2015



### Captain's Corner President's Letter

Welcome new members and welcome back to our renewing members. Now is an ideal time to be a part of the greatest organization on both earth and sea!

In the last edition of Seascripts, I encouraged you to embrace water in a unique way. In my final Captain's Corner, I challenge you to make a "Current Connection." Here are a few suggestions:

#### **Experience Locally**

Visit Ripley's Aquarium (Myrtle Beach), SC Aquarium (Charleston) or Roper Mountain Science Center's Marine and Ecology Labs (Greenville)

#### Think Globally

Learn about national and worldwide educational initiatives from groups such as the National Marine Educators Association (NMEA) and European Marine Science Education Association (EMSEA).

#### Attend a Conference

Save the date: NMEA 2017 Conference - Charleston, SC–Summer 2017

#### Maximize Your Membership

Both NMEA and SCMEA offer travel scholarships. Additionally, SCMEA offers up to six \$250 Educator grants each year.

Why wait? There's still time to register for this year's annual conference. The theme is *Watershed Moments: From the Mountains to the Sea*. Thanks to our conference host, Roper Mountain Science Center. Don't miss this chance to visit an amazing educational facility as well as network with colleagues from across the state. We are looking forward to seeing you there.

Thanks to everyone who so willingly devote their time and energy to making SCMEA such a one-of-a -kind organization. It is with great anticipation that I pass the torch to incoming President Rachel Davis. Expect greatness!!

From the Captain's corner,



Meika Samuel SCMEA President

### Conference at a Glance



Join us Upriver October 23-25, 2015 Roper Mountain Science Center Greenville, SC

### Agenda

Friday

5:00 Welcoming reception at Quest Brewing Co.

### Saturday

Roper Mountain Science Center

9:00 Keynote address - Dr. Jack Turner, Director of the Watershed Ecology Center at USC Upstate

10:00 Concurrent sessions

12:00 Lunch, awards, and business meeting

2:00 Concurrent sessions

6:00 Dinner and auction at Michelin on Main

### Sunday

10:00 Naturalist-led walk on the Swamp Rabbit Trail

Renewal credits will be available.

### Conference Fees

Includes drink tickets on Friday and coffee, snacks, lunch and dinner on Saturday.

> \$90 Members \$120 Nonmembers \$45 Students

Refer a friend and you'll both be entered in a drawing for a free one year membership!

### Lodging

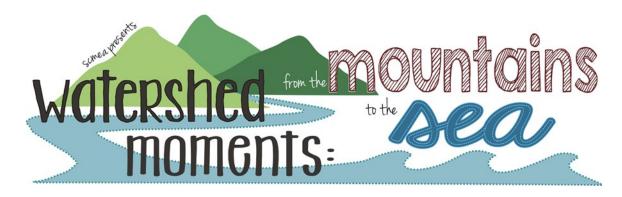
To reserve a room at the Microtel Inn & Suites on Woodruff Road, call (864) 297-3811 by October 2 and mention the SC Marine Educators Conference.

> \$79/night - 2 queen beds \$59/night - 1 queen bed

Continental breakfast included. Shuttle will be provided between hotel and conference site on Saturday.

#### For more information:

www.scmarineed.org/conferences Questions? 843-693-8758 scmarineeducator@gmail.com



Deadline for the conference hotel rate is **October 2**.

Deadline for auction donations is **October 12**.

On-site registration for the conference is available, but space is limited.

Don't wait! Pre-register today!

A huge THANK YOU to our generous donors for the 2015 SCMEA Conference!









#### **Guess What?**

SCMEA is hosting the National Marine Educators Association Conference in Charleston, South Carolina, Summer 2017!

We need your help in hosting this incredible event! If you are interested in being involved in conference planning in any capacity, simply complete a brief questionnaire found <a href="https://www.here.needible.com/here">here</a>. We welcome any suggestions or contributions from our members!

Stay tuned for more information to come your way!





### **2015 SCMEA Award Recipients**



#### **Renkas Marine Education Grants**

Funding assistance for individuals implementing educational projects or programs

**Holly Blair** 

**Maria Rodgers** 

#### Fred James SCMEA Travel Awards

Funding to cover expenses associated with attending the annual SCMEA conference

**James Byrum** 

Dr. Tomohiro Kawaguchi

**Allen Students** 

Congratulations to these outstanding recipients! Find out the SCMEA Marine Educator of the Year and President's Choice Award Winners at the 2015 SCMEA Conference!



Please join us on Monday, October 5th at 7:30 pm Eastern Time for:

#### Can the World's Carbon Dioxide be Stopped Short of Doubling?

Space is Limited. Reserve Your Spot at:

#### https://attendee.gotowebinar.com/register/5645874930324362241

After registering, you will receive a confirmation email containing information about joining the webinar.

The NOAA Climate Stewards Education Project is proud to welcome Dr. Alexander E. "Sandy" MacDonald as the featured speaker for our October webinar. Dr. MacDonald is Director of NOAA's Earth System Research Laboratory, and the Chief Science Advisor for NOAA Oceanic and Atmospheric Research.



Dr. Alexander will discuss a national energy simulator developed by a team at NOAA that uses highly detailed weather and electric load data to determine the role that various energy sources could play in the coming decades. This "energy system simulator" can use any source of energy (coal, nuclear, wind, solar etc.) over the US 48 states, and includes a potential national High-Voltage-Direct-Current transmission network, allowing power to be shared over the domain. The simulator identifies cost-minimized geographic configurations of power plants that could continuously and reliably supply electricity over all parts of the country.

A 2030 simulation that limits carbon emission intensity to levels found in today's natural gas power plants, and includes a national HVDC network, would lower US electric sector emissions by up to 80%, keeping costs about the same as today. The transportation and heating and air conditioning sectors will need to have much higher levels of electric usage to realize the full potential of decarbonizing energy. The studies carried out by Dr. Alexander's team show that this approach is feasible for the major world carbon emitters, including the US, China and Europe. There is a potential path to transforming the global energy system to much lower carbon emissions by the 2030s without major economic harm.

## Save the Date: 1 pm CDT October 13<sup>th</sup>, 2015

Salinity, Sea-Level Rise, and Oysters: Making Science Useful

A webinar discussing how recent studies in Apalachicola Bay can be utilized for longterm management of oysters in the northern Gulf of Mexico.

RSVP: ngom.sentinel.site.cooperative@gmail.com



#### **Holland Lifelong Learning**

Holland Lifelong Learning is a series of discussions with thought leaders in conservation, research and science designed to spark inquiry and exploration in adults.

Holland Lifelong Learning provides unprecedented educational opportunities in two ways: public lectures and visits to local retirement communities. Made possible by the generous support of Mary and Mason Holland and their commitment to the Watershed Fund, this program fulfills the funds promise to serve all age groups in our community with educational experiences that reflect our vision of connecting people with water, wildlife and wild places.

Holland Lifelong Learning **events are free** and open to the public. Space is limited, so **reserve early**! <u>Click here</u> to reserve your tickets or call (843) 577-FISH (3474) today.

#### October 21, 2015- Saltmarsh Science: What's Brewing?

#### Bill Roumillat, Fisheries Biologist, South Carolina Department of Natural Resources

6:30 – 8:30 p.m. at Holy City Brewing Tap Room

Head to Lowcountry favorite, Holy City Brewing, for an evening of beer and saltmarsh science. Sip on delicious craft brews (including the award winning Pluff Mud Porter) while exploring the impact wildlife has on saltmarsh environments with fisheries biologist Bill Roumillat. \*Beer available for purchase

#### November 11, 2015- Simplifying Seafood: What's Cooking?

#### St. Jude Farms

6:30 – 8:30 p.m. at Charleston Harbor Fish House

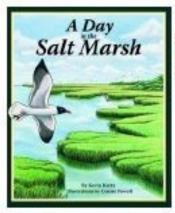
From dockside to tableside, get in touch with your seafood! Join Good Catch Program Manager Shelley Dearhart and fishery experts from St. Jude Farms to learn simple cooking tips and wow your family with delicious, sustainable meals.

#### February 19, 2016- Finale: Why Do Zoos and Aquariums Matter?

Dr. Sylvia Earle, Marine Conservationist and National Geographic Society Explorer-in-Residence Jeanne Gang, Founder and Principal of Studio Gang Architects and MacArthur Fellow

6:30 – 7:30 p.m.; dinner immediately following\* at The American Theater and William Aiken House
Join a legendary panel of conservation luminaries including celebrated oceanographer Dr. Sylvia Earle and
environmental architect Jeanne Gang as they look at how aquariums, zoos and other conservation institutions
help to increase our capacities for concern, empathy, affection and care for the whole community of life.
\*Tickets will be sold for this event. Special event dinner tickets will be available for purchase.

### Schedule a School Program with Nonfiction Children's Author Kevin Kurtz October 7-14, 2015 & February 29-March 4, 2016

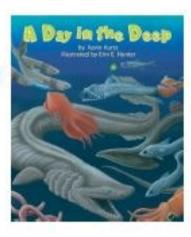


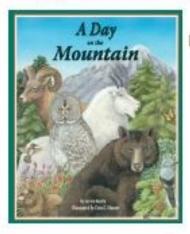
Kevin is a nonfiction children's author who has over fifteen years of experience teaching school groups from kindergarten to high school. Kevin is available to do live school visits in South Carolina in October 2015 and March 2016. A visit from Kevin can include:

- A reading of any of his children's books.
- An informative discussion of the content of the books based on grade-level science standards.
- A discussion about the process of writing a children's book, to reinforces literacy skills and meet Common Core Curriculum standards.
- A question-and-answer period.
- A book signing.

A Day in the Salt Marsh, A Day on the Mountain and A Day in the Deep are about habitats and the plants and animals that live in them. To preview the books, read reviews and download standards-based, supplemental educational materials specific to each book, visit www.arbordalepublishing.com

Uncovering Earth's Secrets was written through a National Science Foundation grant and is about the scientific research vessel, the JOIDES Resolution. It is available as a free eBook at http://joidesresolution.org/node/2998





#### Rates for live school visit:

- Schools may need to provide a hotel room in addition to program rate. All other travel fees are included in the program rate.
- All day visit at one school. Includes five 45-minute reading programs or writing workshops and book signings. \$650
- Schools near each other can split a day into separate morning and afternoon visits. Each school visit would include two 45minute programs and book signings. \$325 for each school.
- Evening, family night programs also available.

For more information on scheduling a school program, contact Kevin at:

kevkurtz@gmail.com

or visit his website

http://kevinkurtz.homestead.com



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#### **Enhance Your Classroom!**

Need to pep up your classroom? The South Carolina Aquarium website has many curriculum activities for all grade levels. Each curriculum activity includes an activity overview, addressed science standards, background information, printable color pictures, tables, graphs, and worksheets. Relevant resources such as booklists, videos and websites are also available.

Visit <a href="http://curriculum.scaquarium.org">http://curriculum.scaquarium.org</a> to access these excellent resources!





**SeaScripts Fall 2015** Cover Photo courtesy of Lindsay Patterson. Little Blue Heron at Caw Caw Interpretive Center in Ravenel, South Carolina.

**SeaScripts** is published and distributed on a quarterly basis. Articles and announcements from SCMEA members are greatly appreciated. Please send them to the editor, **Lindsay Patterson at <u>Ipatterson@ccprc.com</u>**. To ensure that your submission is included in the proper issue, please observe the following deadlines:

Spring Issue: February 15th Summer Issue: May 15th Fall Issue: August 15th Winter Issue: November 15th