

F A L L 2 0 0 8

# SCIENCESOUTH NEWSLETTER



## ScienceSouth Goes Nuts at Pecan Festival!

ScienceSouth kicked off the first of November at Florence's Pecan Festival. Participants got to take in some live sidewalk science demonstrations, as well as participate in make and take workshops onboard the ScienceSouth Mobile labs. Thanks to Roche Carolina, Inc, and the Jebaily Law Firm, P.A. for sponsoring our appearance.

### Save the Date!

*A Taste of the Past:*

**November 8, 2008**

ScienceSouth Pavilion  
 1511 Freedom Blvd.  
 Florence, SC 29505

11:00 am – 2:00 pm  
 Free Admission

*SCIENCEPALOOZA:*

**December 13, 2008**

ScienceSouth Pavilion  
 1511 Freedom Blvd.  
 Florence, SC 29505

10:00 am – 2:00 pm  
 Ages 5-12, \$10/child

*Mad Scientist Gala:*

**April 25, 2009**

ScienceSouth Pavilion  
 1511 Freedom Blvd.  
 Florence, SC 29505

7:00 pm – 12:00 am  
 \$50/person

### *A Taste of the Past*

Join ScienceSouth and the Francis Marion Trail Commission on Saturday, November 8, 2008 as the times of General Francis Marion come to life in "Family Fun in Revolutionary Times: General Francis Marion Cordially Invites You to a Revolutionary War Encampment and Food Tasting," sponsored by a grant from The Humanities Council<sup>SC</sup>.

### **ScienceSouth Pavilion**

11:00 am – 2:00 pm

Free Admission

### SCIENCEPALOOZA

Not sure what to do with the kids while you shop for the holidays? Bring them to ScienceSouth's **Sciencepalooza**, where they'll enjoy four hours of fun, holiday-themed science activities! Book soon as space is limited to 50 children.

### **Sciencepalooza**

ScienceSouth Pavilion at Freedom Florence

Saturday, December 13, 2008

10:00 am-2:00 pm

Ages: 5-12, \$10/child

Book now at

[www.sciencesouth.org](http://www.sciencesouth.org)



## A Summer of Giving

Some area students caught the science bug this summer thanks to sponsorships. Local industries donated \$35,000 to ScienceSouth so children could attend everything from summer camps to afternoon workshops and provide funding to establish new outreach programs.

The United Way of Florence County awarded \$10,000 to ScienceSouth to fund 40 low-income children, who showed promise in science, to attend one of ScienceSouth's seven weeks of camp. Additionally, the Bank of America Charitable Foundation granted ScienceSouth \$7,500 so that more than 20 children would have the opportunity to experience hands-on science learning.

From late June to mid-July, more than 100 children from four of Florence's Parks and Recreation sites got to participate in special ESAB sponsored workshops. Students hunted for six-legged creatures to start their own insect collection and constructed their own star finder after exploring the night's sky in ScienceSouth's StarLab planetarium.

This summer Progress Energy presented ScienceSouth a check for \$15,000 to fund energy and conservation workshops. The funding has enabled the development and implementation of energy and conservation workshops for both ScienceSouth's school outreach and Pavilion programs.

A special thanks to all of our contributors for helping ScienceSouth inspire, educate, and entertain the children of the Pee Dee.



## MAD SCIENTIST GALA

Shake up those brain cells this spring at ScienceSouth's Mad Scientist Gala. Enjoy the sounds of The Woody's, imbibe some libations, and dine on some delectable delicacies. By night's end, you'll have fun down to a science! Support science you can "get up and do" by becoming a sponsor. Call 843-679-5353 for sponsorship details.

**A LITTLE SCIENCE NEVER HURT ANYONE!**

Watch out for more information.



## ScienceSouth: Where Fun & Science Meet

Last spring the ScienceSouth Pavilion at Freedom Florence opened its doors, making it the place where fun and science meet. The launching of this facility unlocked a variety of onsite programming opportunities, ranging from weekend workshops and summer camps to birthday parties.

ScienceSouth kicked off its weekend workshops in April, opening up science to families. The Saturday workshops cover a mix of science topics for children 3 and up and rotate frequently. In addition, ScienceSouth also launched its first summer camps for kids at the Pavilion. The seven weeks of camp were each themed to a specific area of science. Now, birthday parties are “the” hot ticket for children and parents alike.

Look for the Pavilion to be the home of this winter’s Sciencepalooza and the spring’s Mad Scientist Gala. See the Save the Date section and visit [www.sciencesouth.org](http://www.sciencesouth.org) for additional information on upcoming events.



**ScienceSouth Awards First Joan Wafer Classroom Science Grant**  
This fall ScienceSouth awarded first grade teacher Kimberly Turner the first Joan Wafer Classroom Science grant. The \$500 grant goes to teachers who develop classroom projects that enable students to see themselves as scientists.

In late 2007 Mrs. Joan Wafer, a dynamic science educator, passed away. To honor Joan and to continue to carry on her vision for a future where all children are successful in science, ScienceSouth established the classroom science grant in her name.

Turner has been teaching first grade at Hannah-Pamplico Elementary/Middle for five years. Through the grant she aims to create a classroom science lab that will engage her students in a more hands-on setting. “Hands-on learning is key in every student’s experience, but even more so in the first grade,” Turner said. “Our children are very concrete learners and do not normally have the ability to really understand abstract things yet. When learning is fun and intense they really get involved and want to learn.”



**Joan Wafer at the 2007 Pecan Festival.**

“We really liked Ms. Turner’s idea of putting together a science center in her first grade classroom so that young students can be introduced to scientific tools like magnets, balances, magnifying glasses, and microscopes,” said Outreach Programs Manager Marie Yarborough. “Now Ms. Turner’s students will have real science equipment to do real hands-on science experimentation—all in the first grade.”

## Teachers and Students Use PASCO Probeware

Teachers and students attending ScienceSouth's camps for teachers used probes to help them understand science concepts and the process that scientists use to ask questions and find the answers. Probes, generously loaned by PASCO Corporation for the camps, offer a number of advantages to help a wide range of students develop their skills and apply science to the "real world."

Thanks to PASCO for extending this learning opportunity to the students and teachers of the Pee Dee.



## Take Home Science

### Make Your Own Lava Lamp

#### Here's what you'll need:

- Soda Bottle
- Vegetable Oil
- Water
- Food Coloring
- Alka-Seltzer (or any effervescent antacid)

#### Here's what you'll do:

1. Fill the bottle  $\frac{3}{4}$  of the way with vegetable oil.
2. Use water to fill the bottle the remainder of the way, just below the bottle's neck.
3. Place 10 drops of food coloring into the bottle. You can experiment by using two or three different food colorings.
4. Break the Alka-Seltzer into four pieces. Place one piece in after the other until all have been added.
5. Place the cap on the bottle. Now watch what happens—you have a lava lamp!

#### What's happening:

This experiment proves that water and oil don't mix. The carbon dioxide gas created when you dropped the pieces of Alka-Seltzer tables into the mixture causes the colored water blobs to push to the top through the oil.

