



Spring 2016

No. 1

# Newsletter

Southeastern Bluegrass Chapter AWG

Meetings 1<sup>st</sup> Monday of Every Month

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## Treasurer’s Report

We’ve had a successful start to our chapter! We held a fundraiser at the Blue Stallion Brewery as part of their Mission Monday program where we raffled off donations from local companies and friends and received 10% of taproom sales for the evening.

Special thanks to Savané Silver, Amelia Stamps Pottery, Good Foods Co-op, Talon Winery, Jeff’s Car Wash, A Cup of Commonwealth, and our members for providing donations for this event! Also, thank you to the Earth and Environmental Sciences department at the University of Kentucky for hosting their departmental party during our event!

Anne Fendick, Treasurer

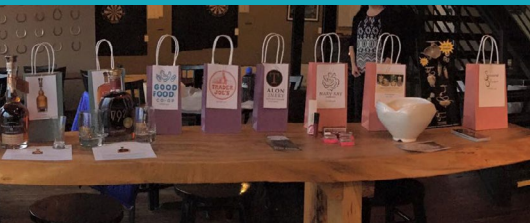


Fossil matching activity with local Daisy troop on April 14<sup>th</sup>, 2016.

*“The future belongs to those who believe in the beauty of their dreams.”, Eleanor Roosevelt, It seems to Me: Selected Letter*

It’s our pleasure to welcome you to the Southeastern Bluegrass Chapter of the Association for Women Geoscientists. We are the only regional chapter of AWG in the south and are excited to offer geoscientists of all ages and backgrounds the resources and support to help them achieve their goals. We hope to see you at our monthly meetings and at various functions throughout the year. Feel free to email us with ideas or suggestions of things you would like to see happen with your chapter. We are excited for the future of our chapter.

Cara Peterman, President





## Meet Joy Buongiorno!

Joy is a second year doctoral student studying microbiology at the University of Tennessee Knoxville. She officially joined AWG in December 2015 and attended the Ecosystem Field Studies field camp.

Before joining the microbiology department, Joy received her Master's in Geosciences at UTK. Her research was focused on testing the utility of microbial carbonate rocks as repositories of geochemical proxies for tracking time wise changes in biological productivity, aridity, and fresh water influx.

Her current research focuses on relating subsurface microbial community structure and function to geochemistry and depositional history within marine sediment environments. She employs culture-independent molecular techniques, like single cell genomics and fluorescent in situ hybridization for the taxonomic identification of buried microorganisms as well as understanding their metabolic capabilities.

Congratulations, Joy on winning Best Talk at the 3rd Annual Biogeochemistry Symposium at UTK!

# Presentations and Publications

**Anne Fendick**, University of Kentucky: Presented a PICO presentation at European Geosciences Union General Assembly. "Denali in a box: analog experiments modeled after a natural setting provide insight on gentle restraining bend deformation."

**Joy Buongiorno**, University of Tennessee: Presented at the 3rd Annual Biogeochemistry Symposium. "Quantification of deep subsea floor bacteria and archaea: An interlaboratory comparison."

**Marie Cooper**, University of Kentucky: Presented at Kentucky Water Resource Research Institute (KWRI) 2016. "Investigation of the upper Mississippi embayment aquifer system hydrostratigraphy using integrated geophysical methods: Jackson Purchase, Kentucky."

**Marie Cooper**, University of Kentucky: Presented at Southeastern section Geological Society of America 2016. "Integrated Geophysical Methods for Correlating the Upper Mississippi Embayment Aquifer System Hydrostratigraphy: Jackson Purchase, Western Kentucky U.S.A."

**Rebecca Freeman**, University of Kentucky: Invited speaker at PaleoFest 2016. "Overstudied or Overlooked? Surprising New Discoveries in Perhaps the World's most well-studied rocks, the Ordovician of the Cincinnati Area."

**Rebecca Freeman**, University of Kentucky: Presented at Geological Society of America 2015 Annual Meeting. "Brachiopods, biomes, and biofacies: Interpreting the cause of late Cambrian-Earliest Ordovician extinction in a shallow cratonic sea, central Texas."



Women in Industry Lecture by Olivia Woodruff, geoscientist at Pioneer Natural Resources and UK Alum. From left to right: Marie Cooper (Secretary), Donnie Loughry (Pioneer), Cara Peterman (President), Emma Larkin (Vice President), Anne Fendick (Treasurer), Olivia Woodruff (Pioneer), Andy Stephens (Pioneer).

## Upcoming Events

- AWG Distinguished Lecturer- Dr. Carol Stein, University of Illinois at Chicago, **September 8<sup>th</sup>, 2016 at the University of Kentucky**
- Networking opportunity at Eastern Section AAPG meeting, **September 25<sup>th</sup>, 2016 located in Lexington KY**

### Member Totals

Florida: 1  
 Georgia: 1  
 Kentucky: 12  
 South Carolina: 1  
 Tennessee: 1  
 Virginia: 1  
**Total: 17**