

ASSOCIATION FOR WOMEN GEOSCIENTISTS



Salt Lake Chapter

22nd Annual Silent Auction and Wine Tasting – Still Going Strong!!

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Once again, the Salt Lake Chapter of the Association for Women Geoscientists hosted our annual event at the Zions Bank Building on the 18th Floor. This year, the auction brought in a total of approximately \$5,800.00!!

The donations were especially high quality this year: in addition to having several gift certificates to area restaurants and spa certificates we even had a tour of a bee farm! Pat Bagley, the political cartoonist from the Salt Lake Tribune even stopped by to give an on-the-spot live auction drawing of the winning bidder! Rico's catering also donated some fabulously tasty food for the second year in a row!



AWG Members and 2011 Winners left to right: Stephanie Carney, Janae Wallace-Boyer, Daniela Anguita, Katie KellerLynn, Kim Koeven, Lucy Jordan, Carrie Levitt, April Abate-Adams, Tammy Wambeam, Allison Cornett



Beautiful floral glass bowls up for bids



Of course you can't go wrong with photographs of outcrops!



These students heard about the auction and came down from Weber State. Glad to hear the word is getting out!

This year our co-winners of the Susan Eckdale Field Camp Scholarship included: Lundyn Milne from South Utah University and Daniela Anguita of the University of Utah. Carolyn Levitt was the winner of our Research Scholarship which she will use to help offset the expenses associated with presenting a poster at a scientific conference. Kim Koeven was this year's winner of the Outstanding Student Award. One of Kim's professors at the University of Utah nominated her for this award.



Daniela accepting her scholarship award.



Carolyn Levitt accepts her Research Scholarship Award

Kim Koeven – this year's Outstanding Student Award Recipient

Congratulations to all of you
and thanks to all our
wonderful volunteers that
work so hard each year to
make this event a success!!



Martha Stouffer Ryder Smith 1920 ~ 2011

Martha Stouffer Ryder Smith, born October 19, 1920 to Henry Moyer Ryder and Mary Isabelle Stouffer Ryder in Bradford, PA, died peacefully on March 7, 2011 in Phoenix, where she has lived for the past year with her daughter, Mary. She was an alumni of Bradford Junior College, MA and Pomona College, CA, then spent her long and interesting life divided between her large family, geology, and art. Martha received her masters degree in geology at the University of Utah, and studied for a PhD, anticipating many ideas in plate tectonics. She is survived by her seven children, Frank (Herlin) Smith, Linda (George) Nelson, Phoebe Bergvall, Mary (Stephen) Byerly, Tita (Ward) Smith, Hank (Carol) Jenkins-Smith and Jeremy Smith, as well as eight grandchildren and six great grandchildren.

She was predeceased by her beloved sister Julia Ryder Pringle. She will be missed, and lives on in her art, her children, and many wonderful memories.

SALT LAKE VALLEY SCIENCE AND ENGINEERING FAIR

On March 24 and 25th the SLVSEF was held at the Rice Eccles Stadium Tower at the University of Utah. Lucy Jordan, our Science Fair Chairwoman, coordinated 5 volunteers to judge and select special award recipients. Our chapter awarded cash and prizes to the top earth science-related projects by girls in three divisions (elementary, junior, and senior).

The projects were judged by members and friends of our chapter. The criteria for the projects were that they must be authored or co-authored by a girl(s) and have a strong geoscience component. This year a lot of the experiments we judged related to alternative energy and geologic hazards – both newsworthy topics here in Utah! The judging spend the first few hours reviewing the presentations without the student present, then interviewing those students whose projects show the best use of scientific method and finally, originality. Using a matching grant from AWGF, we awarded over \$727 in cash, a special edition 30th Anniversary AWG logo tote bag, and a very nice custom made SAGE (student award for geoscience excellence) certificate.



Lucy Jordan – AWG Science Fair Coordinator with Elementary judges: Sally Potter and Katie Bradbury



Bird's Eye View of the action on the floor at Rice Eccles



Junior Division volunteer judges included LeeAnn Diamond and April Abate-Adams. Stephanie Carney judged the Senior Division.

The top projects in each of three age divisions were awarded later that evening at the awards ceremony. April and Lucy presented cash and prize awards to the girls on behalf of AWG.

Announcing the Winning Projects

1st Place Elementary

Mikelle Rogers Excelsior Academy
 \$50 plus tote
 Liquefaction - The Phenomenon that Makes Soil Act Like Liquid

2nd Place Elementary

Sydney Hansen Oakdale Elementary
 \$40 plus tote
 Which rock will soak up the most oil Sandstone or Limestone?

3rd Place Elementary

Clara Pochynok Ecker Hill Middle School
 \$30 plus tote
 Tap vs Bottled



Elementary Winners at the Award Ceremony.

4th Elementary

Sara Harris & Olivia Anderson Hawthorne Elementary \$10 each plus totes
 Desalinating Water

1st Place Junior

Ema Parker Tooele Jr. High \$100 plus tote
 How Salty is the Great Salt Lake?

2nd Place Junior

Emma Heyn Wasatch Jr. High \$80 plus tote
 Soak up the Spill

3rd Place Junior

Mikaela Schmielt J.E. Gosgriff Memorial \$60 plus tote
 GET THE Na OUT

4th Place Junior

Victoria Brandt & Ericka Hughes Excelsior Academy \$20 each plus totes
 Slope Failure

1st Place Senior

Tori Cody City Academy \$120 plus tote
 Trash or Treasure?

It is interesting to note that Ema Parker, (shown 2nd from left), had previously won an award from us last year when she was in the elementary category. To quote one of the Harry Potter films, "We can expect great things from you, Ema!"



Junior and Senior Winners at the Award Ceremony.

JOB POSTING

Minerals Manager GS 9-11



REGION 4 – MANTI-LA SAL NATIONAL FOREST

Ferron/Price and Sanpete Ranger Districts

DUTY STATION: Ferron, Utah

POSITION: North Zone Minerals Manager, Natural Resource Specialist (Minerals) GS-401, Physical Scientist GS-1301, Grade 9-11

The incumbent serves as the Minerals Manager for the Ferron/Price and Sanpete Ranger Districts to include administration of leasable, locatable, and salable minerals on 870,000 acres of National Forest System lands. The Ferron/Price Ranger District has a heavy workload involving leasables. There are several underground coal mines in various stages of development from pre-leasing, mine development, post mining reclamation and lease relinquishment. In addition, the work includes administration of oil and gas leasing, exploration, and production. The Sanpete Ranger District minerals program includes open pit gypsum mines. The work includes: serving as lead in processing mineral-related authorizations and permits; coordinating with minerals companies and resource specialists; providing advice on identification of operations with specific monitoring needs, such as water quality, air quality, etc., in cooperation with resource specialists; conducting field inspections to ensure compliance with approved permits and plans, applicable laws and regulations, and land use plans; working with operators to resolve non-compliance issues; and providing information to the public, as needed, regarding minerals operations on National Forest System lands. The Individual coordinates with minerals companies and resource specialists to modify plans of operations in a timely and environmentally sound manner.

This position requires a strong background in minerals exploration and production, reclamation, geology and NEPA. Knowledge of applicable minerals, natural resource laws, and state and local regulations is preferred. The incumbent must possess the ability to write and communicate effectively. Professional Certifications such as Oil and Gas Specialist, Level I or Level II Minerals Administrator, Licensed Professional Geologist or Professional Engineer is highly desirable.

For more information about the position, please contact Darren Olsen, Ferron/Price District Ranger, at 435-636-3586.

Please send all out reach response forms to dgolsen@fs.fed.us by May 31, 2011.

Isle of Portland

By Janet Roemmel

In March, Janet Roemmel and Roy Adams traveled to a conference on the Isle of Portland, a tombolo island just south of Weymouth in Dorset on part of England's Jurassic Coast. Luckily one of the planned activities was a guided stroll through the adjacent historical quarries of Portland stone. A working operation stands in contrast to the surrounding hummocky landscape of the bygone quarries.



Portland Stone is famous in the UK, like Indiana Limestone in the US, as the building stone that graces some of the most iconic structures. Portland Stone was used to build St Pauls Cathedral, The Tower of London and Buckingham Palace in London and even the United Nations Building in New York. The late Jurassic Portland Stone is a lovely oolitic limestone overlain by the lower Purbeck limestone that was used for less decorative purposes. Historical miners removed and stacked the overlying Purbeck limestone to hold up the sides of the quarries.

Miners' lore includes the fear of the word "rabbit" due to its perceived connection with mining accidents. As a result, such furry critters on the island are referred to simply as "bunnies" or "underground mutton."

The Portland Sculpture and Quarry Trust acts as a facilitator to preserve the lands of several historical quarries to promote an understanding of the past. An *in situ* sculpture garden unexpectedly draws the visitor into the otherwise unreclaimed landscape. Most of the sculptures in the collection were carved in place and seems to subtly emerge from the walls of a former quarry.

On a non-geologic note, the Isle of Portland will be the site of the 2012 Summer Olympic Games sailing events!



Student Spotlight



Brittany Ungerman is currently pursuing a Bachelor's degree at Utah Valley University in Earth Science with an emphasis in Geology. This summer the University will extend the opportunity for Brittany and other students in related fields to study abroad for a short time in Costa Rica. Under the direction of Doctors Dan and Catherine Stephens, this course will take student field studies through many geological and biologically related features including: Arenal Volcano National Park, the rain forest and canopy tours, Santa Rosa National Park, butterfly gardens, crocodile river expeditions. A highlight will also be the visit to Tortuguero to observe sea turtles on land returning to their ocean habitat. In addition to these educational sites, students will prepare presentations for their independent research studies. While there Brittany will also perform independent research focusing on the evolutionary comparisons and contrasts regarding similar organisms on each side of the country.



AIPG 2011

NATIONAL CONFERENCE - ILLINOIS



Geosciences: The Road to a Sustainable Future

September 10-13, 2011

Bloomington, IL

CO-HOST



This 2011 American Institute of Professional Geologist (AIPG) 48th Annual National Conference is taking place September 10 to 13, 2011 at the Hilton Chicago - Indian Lake Resort located in Bloomington, IL (30 min from downtown Chicago and O'Hare International Airport).

At this conference you will have the opportunity to increase your technical knowledge of current advancements in technology and practice methods, earn continuing education credits, and interact with fellow professionals from the consulting, municipal, industrial, regulatory, and academic communities. Together, we are working on creating a sustainable environment.

This year's conference theme is "Geosciences: The Road to a Sustainable Future". The four day conference includes technical presentations, nationally recognized keynote speakers, workshops, field trips, poster session, and an exhibit hall. The technical program offers a solid selection of multidisciplinary topics with a focus toward sustainability. The technical program includes five topic areas listed on the table below.

In addition, exciting field trips will include Lake Michigan coastal geology and development, regional quarry and mining trips, and field lectures covering geological, hydrological, and environmental engineering areas of interest. Continuing education credits will be offered for all technical sessions, workshops, and field trips. The exhibit hall will include an area for student posters, exhibitor booths for marketing products and services, and displays from conference sponsors. Additionally, trips to Chicago's Shopping District, Navy Pier, architectural tours, restaurants, and nightlife will be offered.

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