

## AWG Brunton Award

### Rose Feinstein Selected as 2010 Winner

#### Quaternary Fluvial Geomorphology of Headwater Rocky Mountain Streams

Megan Murphy-Bishop

AWG takes great pleasure in announcing Rose Feinstein as the 2010 AWG Brunton Award recipient. Rose is working on her M.S. in geology at University of Houston concentrating on Quaternary stream morphology. She is expected to complete her degree in 2012. She received her BS in geology at University of Arkansas in 2010.

Rose's research is a field-based study focused on Quaternary fluvial geomorphology of headwater Rocky Mountain streams. The objective of this project is to focus on the role of blow-down related large woody debris in headwater stream channel morphology. The source of the large wood for this study is a severe storm that occurred in 1997. The study is unique in that it is able to focus on a large-magnitude, low frequency event that caused massive loading of LWD into streams. This study will compare geomorphological data collected 11 years ago to the



Figure 1. Rose Feinstein conducts fieldwork.



Figure 2. View of total station and channel filled with woody debris.

present channel conditions of three headwater streams in the Routt National Forest. While the original study of 2000 focused on determining the quantity and type of new blow-down-related LWD, this study will attempt to study its affect on channel morphology. Fieldwork will be conducted using a total station to survey channel morphology, and results will be analyzed using GIS.

present channel conditions of three headwater streams in the Routt National Forest. While the original study of 2000 focused on determining the quantity and type of new blow-down-related LWD, this study will attempt to study its affect on channel morphology. Fieldwork will be conducted using a total station to survey channel morphology, and results will be analyzed using GIS.

continued on page 5

### In this issue:

AWG Brunton Award Winner - AWG President's Column —  
AWGF Column — Call for Nominations - Book Reviews - AWG  
National News - AWG Chapter News - AWG Affiliated Society  
News

## Ethics Statement

AWG members shall conduct themselves in an ethical and professional manner.

**Gaea** (pronounced Jee-ah) is named after the Greek goddess of Earth. **Gaea** is published six times a year by the Association for Women Geoscientists. Subscription is included in annual dues. Non-members may subscribe for \$60/yr.

## Editorial Information

Views expressed in **Gaea** do not necessarily reflect official AWG positions unless stated as such. Please submit manuscripts, news releases, and letters to [editor@awg.org](mailto:editor@awg.org)

## Advertising

Classified and display advertising is available in **Gaea**, AWG E-Mail News, and the AWG website.

For more information, please contact Ad Coordinator, at: [ads@awg.org](mailto:ads@awg.org)

## AWG Publicist

To disseminate news about your professional accomplishments, contact Pranoti Asher, our Publicist, at [publicist@awg.org](mailto:publicist@awg.org)

## Association Office

All other correspondence, such as change of address or chapter affiliation, should be directed to:

Association for Women Geoscientists  
12000 N. Washington St., Suite 285  
Thornton, Colorado 80241  
**Phone:** 303-412-6219  
**Fax:** 303-253-9220  
**E-mail:** [office@awg.org](mailto:office@awg.org)  
**Website:** [www.awg.org](http://www.awg.org)

©Association for Women Geoscientists

Materials in **Gaea** may be reprinted if appropriate credit is given.

# From the AWG President

Sara Welna

Happy spring! With spring comes the AWG Spring Board of Directors meeting. The AWG Board meetings are where the Executive Committee, Foundation and delegates meet to address Association business. This year's meeting has been coordinated by President Elect Heidi Hoffower in Long Beach, California and sounds like it will be a nice sunny spring retreat. Coming from one of the snowiest Midwest winters of recent years, I'm certainly looking forward to it!

My column in the past two issues of **Gaea** discussed the leadership and networking opportunities AWG provides members. In addition to those, AWG offers mentoring opportunities. Mentoring may launch a career to the next level, help confirm a career path, or even open a door to a new field all together.

Mentoring can inspire, empower and motivate. Encouraging a student to pursue a career in the geosciences can make a world of difference. It doesn't take much – some emails here and there, a cup of coffee from time to time, talking about a research project, even discussing current events and how it relates to geoscience. In some cases, a student may never have been encouraged before – in fact, for many students, they've been discouraged to pursue science all together. I for one, am one of them. Long ago, a middle school science teacher told me I'd be unable to do anything in science because I had a hard time dissecting the various specimens middle school students are required to do. I loved science, but that comment stuck with me. When I discovered geoscience in college, one of my first professors/mentors encouraged me when thoughts of my middle school science teacher crept into my head. When I concluded that perhaps science just wasn't meant for me, she motivated me to keep with it, stick it out. She's a perfect example of what makes mentoring so important; she encouraged me when I gave up, challenged me to succeed, broadened my horizons, and served as an example of what can be accomplished through hard work and dedication. If it weren't for my mentor, I would likely be in a very different profession than I am today... what a dreadful thought that is! Even now, being in my profession for nearly ten years, she continues to offer advice, insight and is someone I'll always look up to.

So please, if you're a professional or retired professional, consider mentoring someone. If you're a student or young professional, consider finding a mentor. Doing so can be extremely rewarding for both the mentor and mentee. Help to inspire the scientists of tomorrow... mentor!



*Sara Welna in the northern Minnesota Boundary Waters Canoe Area.*

continued on page 3

# From the AWG President

continued from page 2

AWG is always looking for interested participants, so if you're interested in being a mentor or mentee, please contact me at [president@awg.org](mailto:president@awg.org) and AWG will work to find you a good fit. AWG is in the process of improving the AWG mentoring program so stay tuned to the mentoring webpage [www.awg.org/EAS/peermentor.html](http://www.awg.org/EAS/peermentor.html) for updates.

*Sara Welna*

*President-2011*



## AWG Officers 2010–2011

### President

Sara Welna  
Kraemer Mining & Materials, Inc.  
1020 Cliff Road West  
Burnsville, Minnesota 55337  
[president@awg.org](mailto:president@awg.org)

### President-Elect

Heidi Hoffower  
Chevron North America Exploration and  
Production Co.  
9525 Camino Media, Room B-2066B  
Bakersfield, CA 93311  
[president-elect@awg.org](mailto:president-elect@awg.org)

### Past President

Charlene Sundermann  
Nebraska Dept. of Environmental Quality  
1200 N Street, Suite 400  
P.O. Box 98922  
Lincoln, Nebraska 68509  
[past-president@awg.org](mailto:past-president@awg.org)

### Secretary

Shawn Blaesing-Thompson  
Iowa Department of Transportation  
800 Lincoln Way  
Office of Maintenance  
Ames, Iowa 50014  
[secretary@awg.org](mailto:secretary@awg.org)

### Treasurer

Susan Nissen  
Geophysical Consultant  
5761 Wellman Road  
McLouth, Kansas 66054  
[treasurer@awg.org](mailto:treasurer@awg.org)

### Editor

Dr. Margaret Brewer-LaPorta  
LaPorta and Associates, L.L.C.,  
Geological Consultants  
5 First Street #73  
Warwick, New York 10990  
[editor@awg.org](mailto:editor@awg.org)

Submit contributions for  
the May/June Gaea to  
[editor@awg.org](mailto:editor@awg.org)  
by May 1.

**AWG Foundation Officers  
2010-2011**

---

**President**

Louise Pellerin  
Green Engineering, Inc.  
2215 Curtis Street  
Berkeley, CA 94702  
Term expires: Fall 2011  
pellerin@ak.net

**Vice-President**

William N. Barkhouse  
ExxonMobil Exploration Company  
44 W Southfork Pines Circle  
The Woodlands, TX 77381-3501  
Term expires: Fall 2011  
bill.barkhouse@gmail.com

**Treasurer**

Linda L. Davis  
Geology Department, PAD 118  
Grand Valley State University  
Allendale, MI 49401  
Term expires: Fall 2011  
davisll@gvsu.edu

**Secretary**

Jennifer J. Thompson  
ConocoPhillips  
600 North Dairy Ashford, 2066 Permian  
Houston, TX 77079-1175  
Term expires: Fall 2012  
jenny.j.thompson@conocophillips.com

**Past-President**

Phyl Halvorson Porter  
P.O. Box 405  
Davenport, CA 95017  
Term expires: Fall 2011  
phylgeo@earthlink.net

**Directors**

Kathleen M. Johnson  
U.S. Geological Survey  
913 National Center  
Reston, VA 20192  
Term expires: Fall 2010  
kjohnson@usgs.gov

Sally Pennington Moore  
ExxonMobil Exploration Company  
233 Benmar Drive, CORP-GP3-406  
Houston, TX 77210-4778  
Term expires: Fall 2011  
sally.p.moore@exxonmobil.com

## From the AWG Foundation President

Louise Pellerin

Just a quick note...

The AWGF is getting ready for our spring board meeting; this year we will be meeting in Long Beach, California. We have a few proposals to consider, but we will spend the majority of our time in strategic planning to increase our fundraising for strengthening AWG programs; as well as meeting with the AWG leadership to enhance communication and efficiency. It is also a lot of fun seeing everyone and spending time together!

The updated forms and instructions for project proposals and reimbursement are finished and will be posted on the web site soon.

**Support AWG through the AWGF. Donate!**

---

## Help Those who Need AWG the Most!

AWG has a fund for those people who, due to the current economic climate, cannot afford a membership because they've been laid off, pay reduced or simply cannot make the annual payment. AWG supports those who can benefit most from an AWG membership. The leadership, networking, mentoring and outreach opportunities are of most value to someone searching for a much needed job. Contact Sara Welna at [president@awg.org](mailto:president@awg.org) to learn how you can help contribute to this fund or utilize the funds available.

### AWG Minority Geoscience Scholarship Application Deadline: June 30

AWG is proud to announce the 2010 Minority Geoscience Scholarship! This scholarship program encourages minority women to pursue an education, and later a career, in the geosciences. It provides up to \$6000 in awards each year to undergraduate students and matches them with AWG mentors in their fields. Awards also include a year's membership in AWG.

Applications must be received at AWG's headquarters (1400 West 122nd Avenue, Suite 250, Westminster, Colorado 80234) by June 30, 2011. Please visit our website — [www.awg.org](http://www.awg.org) — for more details and to download an application.

# The 2010 AWG Brunton Award Winner: Rose Feinstein

continued from page 1

Rose's other recent fieldwork experience includes an honors undergraduate thesis and a GeoCorps internship with the U.S. Forest Service. Her undergraduate thesis focused on a small drainage basin in southwestern Montana and included creating a geologic map and using Argon dating to interpret structural and sedimentary history of the area. Her internship focused on Quaternary fluvial geomorphology in the Routt National Forest and is the basis for her Master's thesis. Rose also participated in a Research Experience for Undergraduates in the summer 2007 that used GPS stations to study magma chamber movement in the Caribbean.



Figure 3. Rose Feinstein tags wood to be surveyed.

We had a number of excellent candidates for this year's award, and we wish each of them the best in their varied pursuits.



## AWG Brunton Award Application Deadline: October 31 of each year

The AWG Brunton Award promotes the future of field mapping and data acquisition for the upcoming generation of women geoscientists. It will go to a female geoscience student at the senior level, or beginning her graduate studies, who has been a summer intern, excelled at field camp, or performed field data collection that will lead to a senior or graduate thesis.

The award is an engraved Brunton transit with stand and engraved plaque. In addition, AWG will sponsor a one-year membership in our organization.

### Criteria

The awardee will contribute a senior thesis, graduate thesis, dissertation, summer internship, field camp or other type of project in which field work is an essential component.

The awardee will have future plans to continue in the geosciences, with field work as an integral part of her graduate degree or career.

Also considered will be project results, quality of work, and capabilities of the applicant that promote the fundamental value and need for field based studies.

### Application Process

To apply, include the following with a cover letter:

- Description of research project, internship, field camp or summer field experience including a sample of work, which may include a report, map, photos, and/or model based on collected data (not to exceed four pages).
- Statement of future interests and career goals as related to field work and/or resume.
- Letter of recommendation from primary field mentor.

Applications should be sent to: Association for Women Geoscientists, Attn: Brunton Award; 1400 West 122nd Avenue, Suite 250; Westminster, Colorado 80234

# AWG Field Trip: The Southern Cascade Volcanic Region

July 23-30, 2011

More information including itinerary and registration forms are available at: <http://www.awg.org/trips/>. Nadine Langley will lead AWG's Southern Cascade Volcanic Region Field Trip. Questions? Contact Nadine at [xenolith@copper.net](mailto:xenolith@copper.net).

The 8-day, 7-night AWG 2011 Field Trip will explore the Southern Cascade volcanic regions in southern Oregon and northern California. Trip dates are July 23 - 30, (Saturday through Saturday). Lodging will be in motels and is included in the trip fees. AWG will provide breakfast and lunch; participants will be responsible for dinner. The trip is open to AWG members and non-members interested in the geology of the Southern Cascade Volcano regions. Spouses and children over 14 are welcome.



Mount Lassen, California

## Preliminary Itinerary

Each day's activity will include a moderate hike of at least three miles. Participants will visit the Three Sisters area, Crater Lake/Mt. Mazama, Newberry Caldera, Medicine Lake Highlands, Lava Beds National Monument and Mt. Lassen. These volcanic regions exhibit various volcanic regimes, magma types and landforms that make up the Cascade Volcanic systems. Regional experts or researchers will provide geologic discussions at key locations. For more information about these spectacular areas, please visit the Cascade Volcano Observatory website: [http://vulcan.wr.usgs.gov/Volcanoes/Cascades/volcanoes\\_cascade\\_range.html](http://vulcan.wr.usgs.gov/Volcanoes/Cascades/volcanoes_cascade_range.html).

**Three Sisters:** The Three Sisters volcanic area is a cluster of composite cones and shield volcanoes dominated by five large cones (North Sister, Middle Sister, South Sister, Broken Top and Mount Bachelor). Recent glacial advance/retreat events, including the Diller Glacier and the Collier Glacier, have carved the current geomorphology of these volcanic mountains.

**Crater Lake Caldera and Mt. Mazama:** Crater Lake Caldera was formed by the collapse of the ancestral Mt. Mazama stratovolcano approximately 7,000 years ago. A small cinder cone, Wizard Island, developed within the caldera and is now a spectacular feature of Crater Lake. Other volcanic landforms include small shield volcanoes, spatter cones and cinder cones, and lava fields.

**Newberry Caldera and Paulina Peak:** Newberry Caldera is the remains of a broad shield volcano, Mount Newberry, with a 600,000-year history that most recently erupted 600 years ago. Paulina Peak is a rhyolitic dome located within Newberry crater that remains from the collapse of from the ancestral Mt. Newberry. Some of the other volcanic landforms in the region include caldera lakes, over 400 small cinder cones, and a 1300-year old obsidian flow.



Layered volcanic outcrop (scoria and bombs) north of Lassen

**Medicine Lake Volcano and Lava Volcano and Lava Beds National Monument:** Medicine Lake Volcano, a shield volcano, may be the largest volcano in the Cascade Range. Medicine Lake Volcano is believed to contain several small, differentiated magma chambers, rather than a single magma source. Lava tubes at nearby Lava Beds National Monument provided routes for molten basaltic lava that flanked Medicine Lake shield volcano. Volcanic landforms in the region include caldera lakes, lava tubes and caves, cinder cones, andesitic and rhyolitic flows, and obsidian flows.

continued on page 7

# AWG Field Trip: The Southern Cascade Volcanic Region

continued from page 6

**Mount Lassen and Mount Tehama:** Mt. Lassen is the southernmost, and youngest of the Cascade Volcanoes, with activity as recent as 1916. Mt. Lassen is a stratovolcano/plug dome that developed after the collapse of ancestral Mt. Tehama (Broke-off Mountain). In addition to ancient and recent volcanic features, the Lassen area contains active hydrothermal areas, fumaroles, and mud volcanoes.

## Field Trip Logistics

**Participants:** The trip is open to AWG members and non-members interested in the geology of the Southern Cascade Volcano regions. Children over 14 and spouses are welcome. Maximum number of participants is 20.

**Food and Lodging:** Accommodations will be in motels and is included in the trip fees. AWG will provide breakfast and lunch; participants will be responsible for dinner.

**Where and When:** The field trip will depart from Sacramento, California approximately 8:00 a.m. on July 23, 2011, and will return to Sacramento the afternoon/evening of July 30th.

**Activity Level:** In addition to arm-waving and exploring, each day's itinerary will include a hike of at least three miles over varied terrain. Participants should be in good physical condition and able to walk at least three miles over varied and often steep terrain. This field trip not only offers inspiration and camaraderie, it also offers an opportunity to stay in shape, too!

**Costs:** Anticipated cost is \$950 for regular members, \$1050 for nonmembers, and \$800 for student members and low-income members. Volunteer drivers may reduce fees by 10%. Costs include lodging (double occupancy), transportation, breakfast and lunch, entry fees, and field guides.

**Registration:** This trip will be at the height of the tourist season and advance reservations are a must. Interested participants should return the Field Trip Registration Form to the AWG office with an initial deposit of \$200 by May 15, 2011. A second payment of \$400 is due by May 30, and the final payment is due June 30, 2011. Participants should send the Health Form to the AWG office no later than May 30, 2011.

**Contact Info:** For questions regarding payment, contact: Cristie Valero, AWG Office, 303-412-6219, office@awg.org. For all other issues (trip logistics, health form, activity levels, volunteer needs, etc.), contact: Nadine Langley at 530-273-5674 or 530-913-1929 (cell), xenolith@copper.net.



*Up close and personal at Lava Beds (Mammoth Crater)*



*Lava-capped off-set beds, Central Oregon*

# Book Reviews

---

Janet Tanaka

Here's a 3-in-1 review for some very good books. This issue's review column will take the student/reader from the elementary to a teeth-gnashing geophysical feud. Some of you have complained that I review too many volcano-related books. Well, that's my field and where I read the most. So, when you hear of a new or recent book on other fields of geology and/or women in the earth sciences, send me the title, author, and publisher. I'll track it down and get a review copy.

## Volcanoes, a Beginner's Guide

Rosaly Lopes, OneWorld Publishers, UK 2010.  
Paperback, 143 pages

We begin with a 'volcanoes for dummies', very elementary introduction to the subject. It is part of a series of 'beginners guides' to just about everything. The author, Rosaly Lopes, is able to make the complicated clear without talking down to her readers. Her professional papers are equally clear.

Anyone from the age of 12 on up, who is curious about volcanoes from the [under]ground on up, will find here a plain language guide to a fascinating area of science. From the first chapter: "What are Volcanoes", to the last: "Exotic Volcanoes of the Outer Solar System", followed by a look at current research techniques.

It will make a good gift for a curious teen, a general science teacher, or a writer of disaster novels/movies--it will definitely be appreciated.

And for those who want to graduate to the next level....

## Volcanoes: Global Perspectives

John "Jack" Lockwood and Richard Hazlett, Wiley-Blackwell Publishers, LTD, UK 2010  
480 pages plus maps, graphs, photos, etc.

Don't be fooled by the big, bright colored cover. It's not a coffee-table book. It's basically a textbook for Volcanology 101, complete with a quiz at the end of each chapter.

The opening chapters are basic and to the point. As the text proceeds, the material gets more specific regarding chemistry, physics, sedimentology, glaciology, streamflow mechanics, etc. Then it discusses hazard management planning, societal responses to volcanoes, etc. All accompanied by a bounty of maps, graphs, photos and other illustrative materials.

The reading level appears to be high school senior, serious about science, or college undergrad majoring in Earth Science or related field. It begins with a review of information that a student should already know and goes on from there to the really good stuff!

The authors have dedicated the book to Gordon Macdonald and to those scientists who gave their lives in pursuit of their calling...including David Johnston (Mt. St. Helens, 1980), the Kraffts and Harry Glicken (Mt. Unzen, 1991).

## Plates vs. Plumes; a Geological Controversy

Gillian R. Foulger, Wiley-Blackwell Publishers, LTD, UK 2010.  
282 pages, plus 30 pages of references.

Aaarr you rrrrready for some teeth gnashing? Until I received an email about this book I didn't even know there was a controversy. So I got my review copy and (attempted) to learn about it.

continued on page 9

# Book Reviews

continued from page 8

I have to say that it's w-a-a-a-y out of my comfort zone, but the arguments were so interesting that I couldn't resist making the effort. This is knee-deep geophysics, but too fascinating to put down. As the title says, there are conflicting views of how and why the earth recycles itself... very strong views.

It goes to great lengths to explain the theories of continental drift through plate tectonics that took half a century to be accepted by mainstream geology.

But no sooner had plate tectonics become the geological gospel than some heretics presented arguments supporting a process driven by plumes of hot material from depth. The most common of the arguments are based on "hot spot" geology--the mechanism that (theoretically) drives the creation of island chains such as the Hawaiian islands.

And that's just the first nine pages.

Then the fighters step into the ring for the next 280 pages.

The geophysics is beyond this reviewer, but the arguments are fascinating and seem to make sense. There are some exercises for the student and pages and pages of references.

The publisher says that the book is for "advanced undergraduates, teaching faculty...researchers and scientists..who want a clear summary of the issues."

In August there will be a session on plates vs. plumes at the Goldschmitt 2011 Session in Prague, Czechoslovakia. May the best theory win.

*Check out the AWG products at: [www.awg.org/Products/index.html](http://www.awg.org/Products/index.html)*

*Fleece Pullover with AWG Logo - \$50*

*30th Anniversary Convention Tote - \$15*

*AWG Pens - \$1.75*

*AWG Lapel Pins - \$4.00.*



*Orders can be placed on our website:*

*[www.awg.org/Products/index.html](http://www.awg.org/Products/index.html)*

*Or by contacting the AWG office ([office@awg.org](mailto:office@awg.org) or 303-412-6219).*

*Orders take approximately 2-3 weeks for delivery.*

*All proceeds go directly to sustain  
AWG programs.*

# AWG National/Chapter/Member News

---

## National News

### Call for Nominations

#### AWG Board of Directors

AWG is currently accepting nominations for the following positions on the AWG Board of Directors. Nomination and short bio should be submitted to [office@awg.org](mailto:office@awg.org) by May 1st.

- President Elect
- Editor
- North Central Delegate
- North Central Alternate Delegate
- Northeast Delegate 2
- Northeast Alternate Delegate 2
- South Central Delegate
- South Central Alternate Delegate
- Pacific Delegate 2
- Pacific Alternate Delegate 2
- Student Representative
- Student Alternate Representative

President Elect and Editor serve on the Executive Committee. President Elect term is three years transitioning to President then Past President. Editor term is two years and is in charge of Association publications.

Delegates represent the AWG membership in their region, serve on one committee and attend two Board of Directors' meetings per year. Term is 3 years. Student Representative represents the AWG student members, serves on the Editorial Committee helping to manage AWG's Facebook page, and attends two Board of Directors' meetings per year. Term is 1 year. Alternates Delegates (3 year term) and Alternate Representative (1 year term) serve a support position and step in when the delegate or representative cannot perform their duties.

Direct any questions to Secretary Shawn Blaesing-Thompson at [secretary@awg.org](mailto:secretary@awg.org) or President Sara Welna at [president@awg.org](mailto:president@awg.org).

### AWG 35th Anniversary Convention

Saturday, March 17, 2012, Hartford, Connecticut

The AWG 35th Anniversary Convention will be held Saturday March 17, 2012 at the Marriott Downtown in Hartford, Connecticut. AWG has a convention every five years and this one is coming upon us in less than a year! This meeting precedes the NE GSA section meeting in Hartford and will include a field trip, speakers, workshop and much more! If you're interested, please contact [president@awg.org](mailto:president@awg.org) for details. Sponsorship and volunteer opportunities are available!

continued on page 11

# AWG National/Chapter/Member News

continued from page 10

## AWG 2011 Membership Drive!

AWG has been steady with membership in the 900's for a number of years now. Help the organization break through the **1000 member mark!** ***The 1000th member to join will receive a free AWG embroidered fleece pullover!***

Membership renewals for 2011 have been distributed. If you did not receive a renewal you can renew online <http://www.awg.org/About/membership.html> or by contacting the AWG office at [office@awg.org](mailto:office@awg.org). There's also a membership form found on the last page of every issue of Gaea.

Thank you!

## Volunteer Opportunities

As an AWG member, there are a number of volunteer opportunities you can take advantage of to gain leadership skills and give back to the Association. Here are some current volunteer opportunities. If you'd like further details, please email [president@awg.org](mailto:president@awg.org)

- Field Trip Coordinator
- serving as a delegate on the AWG Board of Directors

## AWG 2011 Field Trip Southern Cascades

The 8-day, 7-night AWG 2011 Field Trip will explore the Southern Cascade volcanic regions in Southern Oregon and Northern California. Trip dates are July 23rd - 30th (Saturday through Saturday).

Go to [www.awg.org/trips](http://www.awg.org/trips) for details!

Questions can be directed to Nadine Langley at [xenolith@copper.net](mailto:xenolith@copper.net).

## New Job Board Link on AWG Website!

With the help of many, AWG has expanded its career services! In addition to Job Web, which remains mostly academic, we now have Job Target. Through Job Target, AWG members can locate job postings pertinent to whatever sector of the geosciences they're looking for.

Check out this link: [http://www.jobtarget.com/home/index.cfm?site\\_id=12051](http://www.jobtarget.com/home/index.cfm?site_id=12051). You can get there from the AWG homepage by clicking on one of the icons on the right hand side, or by clicking "Looking for a Job" on the main banner at the top of the homepage. You can post your resume and view job listings.

## Chapter News

### AWG-Laramide Chapter Field Trip

Hidee Mine and Edgar Mine - Friday, June 10, 2011

Join the AIPG Colorado Section and the AIPG National Executive Committee on a field trip to the Hidee Mine in Central City and the Edgar Mine (known as Colorado School of Mines' Experimental Mine) in Idaho Springs. This trip will depart from The Westin Westminster Hotel, 10600 Westminster Blvd., Westminster, CO 80020 at 8:00 am Friday morning and return to the hotel at approximately 5:00 pm. The cost of the trip includes bus transportation, lunch, snacks, and bottled water. Please wear long pants and closed toed shoes for exploring the mines.

Limited to the first 50 registrants!!

Price: \$35.00 - Register Online ([www.aipg.org](http://www.aipg.org) - login) if you do not have a login and password sign up for an individual account.

# AWG Associated Society News

---

## Geological Society of America

### Specialty Meeting

#### **Fragile Earth: Geological Processes from Global to Local Scales and Associated Hazards**

4-7 September, 2011: Munich, Germany

### Penrose Conference Announcements

#### **Deformation Localization in Rocks: New Advances**

27 June-2 July 2011, Catalonia, Spain.

Comparative evolution of past and present accretionary orogens: Central Asia and the Circum-Pacific

4-10 September, 2011, Urumqi, Xinjiang Uygur Autonomous Region, China

Application deadline: 1 June 2011.

## American Geological Institute

### AGI Executive Director Named to Unesco Membership

Dr. Patrick Leahy, American Geological Institute (AGI) Executive Director, has been appointed as a Commissioner to the U.S. National Commission to United Nations Educational, Scientific, Cultural Organization (UNESCO) by Secretary of State Clinton.

### Earth Science Week 2011 Took Kits Ready for Order

The American Geological Institute (AGI) is now accepting advance orders for the 2011 Earth Science Week Toolkit, which contains educational materials for all ages that correspond to this year's theme of "Our Ever-Changing Earth." The Toolkit will be sent in August 2011.

## American Institute of Professional Geologists

### AIPG Annual National Conference 2011

Call for Abstracts: Deadline May 20, 2011

September 10-13, 2011, Bloomingdale, Illinois

Hosted by AIPG National, AIH, and the AIPG IL/IN Section

Hilton Chicago/Indian Lakes Resort

Please join us at the AIPG/AWG breakfast on Monday September 12, 2011.

## Association of Environmental & Engineering Geologists

### AEEG Annual Meeting 2011

September 19 - 24, 2011, Anchorage Alaska.

Join AWG at the AEG/AWG breakfast on Friday Sept. 23, 2011

University of Utah  
Department of Geology and Geophysics  
Associate Professor Tectonophysics

The Department of Geology and Geophysics at the University of Utah seeks applicants for a tenure track position at the Assistant or Associate Professor level in Tectonophysics. Scientists from all subdisciplines of tectonophysics are welcome to apply, but preference will be given to candidates with research interests that complement existing geophysical strengths in the department. These include seismic imaging of Earth's deep interior, earthquake seismology and hazard assessment as carried out by the University of Utah Seismograph Stations, active source seismology, electromagnetic studies of Earth's interior, and tectonics.

The successful candidate must be committed to excellence in geophysics teaching at both the undergraduate and graduate levels, and should have either the proven ability or potential to attract external funds and to build an internationally recognized research program involving students and post-docs. Applicants must hold a Ph.D. in geophysics, or a closely related discipline.

Applicants should e-mail an application package describing research, teaching, and career interests, a curriculum vitae, and the names and contact information for three referees, all in a single PDF document to: tectono-

physics-search@lists.utah.edu. Review of applicants will begin **August 15, 2011**, and continue until the position is filled.

The University of Utah is fully committed to affirmative action and to its policies of nondiscrimination and equal opportunity in all programs, activities, and employment. Employment decisions are made without regard to race, color, national origin, sex, age, status as a person with a disability, religion, sexual orientation, gender identity or expression, and status as a protected veteran. The University seeks to provide equal access for people with disabilities. Reasonable prior notice is needed to arrange accommodations. Evidence of practices not consistent with these policies should be reported to: Director, Office of Equal Opportunity and Affirmative Action, (801) 581-8365 (V/TDD).

The University of Utah values candidates who have experience working in settings with students from diverse backgrounds, and possess a commitment to improving access to higher education for historically underrepresented students.

Advertising job openings with AWG helps you find qualified applicants while meeting Equal Employment Opportunity/Affirmative Action obligations.  
Contact [ads@awg.org](mailto:ads@awg.org) for details.

# AWG is LEADERSHIP

AWG...creating the leaders of tomorrow...today!

## What are the benefits of AWG Membership?

**ENCOURAGE** participation of women in the geosciences

- Scholarships
- Girl Scout Activities
- Congressional Visits Days
- Student Awards for Geoscience Excellence (SAGE)
- Outstanding Educator Award
- Geoscientists in the Park
- Women in the Geosciences Day, as part of AGI's Geosciences Week

**RENEW** online

(<http://awg.org/membership/core/CreateAccount.aspx>)

OR

Mail/Fax Membership Form Below

**ENHANCE** professional growth and advancement of women in the geosciences

- Free resume review service
- Domestic and International networking
- Exciting and informative field trips
- Mentoring

**EXCHANGE** educational, technical and professional information

- GAEA and E-mail Newsletters
- Distinguished lecturer program
- Conventions
- Technical programs
- JobWeb
- Networking with Affiliated Societies

---

## Membership Renewal/Application

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

Mailing Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Work Phone: \_\_\_\_\_

E-Mail: \_\_\_\_\_

Enclose U.S. funds, payable to AWG

Payment by Check VISA/MC Exp. Date: \_\_\_\_\_

Card Number: \_\_\_\_\_

Signature: \_\_\_\_\_

Please mail or fax application to:

Association for Women Geoscientists

12000 North Washington Street, Suite 285

Thornton, Colorado 80241

FAX: 303-253-9220

Dues:

Life Member: .....\$1600

Sustaining Professional: .....\$100

Professional: .....\$60

Retired: .....\$30

Student (valid student ID required)..... \$20

For a paper copy of the Gaea Newsletter, please add the appropriate postage (\$12 US/\$15 outside North America).

TOTAL: \$ \_\_\_\_\_

Tax Disclosure Statement - Contributions or gifts to AWG are not deductible as contributions for federal income tax purposes. Dues payments are deductible as an ordinary and necessary business expense. Contributions to AWGF (501.c3) are tax deductible.

**THANK YOU! YOUR PATRONAGE IS MUCH APPRECIATED!**