



**Table of Contents:**

From the President..... 1  
 PNW Annual Section Meeting..... 2  
     Registration Form..... 5  
 News & Opportunities for Everyone..... 6  
 University/College Highlights..... 8  
 K-12 News & Opportunities..... 9  
 State-by-State..... 11  
 PNW Section Organization & Contacts... 11



This year we travel to southeast Oregon for our Section's Annual Meeting! Registration details & form are in this newsletter. *Steens Mt. photo by M. Miller.*

**From the President**

It appears that the final details for the summer meeting at Malheur are falling into place (see elsewhere in the newsletter). Watching the status of the Oregon State government and the financial outlook for education in the next biennium, thinking about finances and the future makes me feel a bit queasy. I certainly foresee a continuation of doing more with less. As a resident of the "State of Jefferson", we also get to hear a bit of the California economic situation regularly on public radio, and I know the theme continues throughout the section and the country.



So, why bring up the known financial shortcomings that we currently reside with? Well, we have a few good opportunities to pursue. With the Ron Kahle Fund, we have the capacity to help defray section meeting costs for up to three K-12 teachers (See announcement on page 10). So if you know of any K-12 educators that might need a little prompt to attend-push them to apply for funding.

Past section president **Andy Buddington** also made a suggestion to consider using some of the section funds that we have in the bank to host a "Teaching With Google Earth" seminar at a central location. I'm curious how many of you might be willing, able, and/or interested in a mini-conference on this theme put on by the section. If this is something that you see as a positive pursuit and investment by the section, I would like to know. So, drop me an email, include suggestions of when and also how far you would be willing to travel. I was thinking Coos Bay...but I'm guessing that's not considered centrally located. I'd also be interested in hearing any other ideas that might be out there for advancing our organization. As we dive into the second half of the academic year, I know I'll be seeing many of you in Malheur sooner than we think.

—Ron



**2011 PNW Section Annual Field Conference, June 22<sup>nd</sup> - 26<sup>th</sup>**

**Hosted by Portland State University, @ the Malheur Field Station, southeastern Oregon**

Portland State University once again hosts our sectional field conference; this year however, rather than holding the meeting at the Portland campus, we will travel to the Malheur Field Station (MFS) in southeastern Oregon, in the lonely, beautiful and geologically exciting northern reaches of the Great Basin physiographic province. **Dr. Mike Cummings** of PSU has graciously arranged this 5 day meeting, which is largely field-based, with 4 field trips and 1 full day of conference talks and presentations. Two registration options are available 1. full meeting of 5 days; or 2. partial meeting of 4 days (please use the registration form on page 5, or download one at [www.nagt.org/nagt/organization/northwest](http://www.nagt.org/nagt/organization/northwest)). The **registration deadline** for both the meeting AND for submitting talk/poster/short course sessions is **June 3<sup>rd</sup>**.

### Field Trips

**June 22, Wednesday: Landscape evolution and hydrologic response to the eruption of Mount Mazama.**

For this first field trip, participants will meet **AT** the field location in Chemult, rather than at the Malheur Field Station.

Travel options: 1) Consider taking Amtrak to Chemult - yes there is an Amtrak Station in Chemult. The southbound train gets in about 8:30-9:00 p.m. so you will need to arrive on the evening of June 21. We can pick you up at the station and you can ride with the vans for the whole meeting. 2) Consider joining us as we travel south from Portland on June 21 by state van. If you can do this, it will save you a lot of driving and reduce your travel expenses. 3) meet us in your private vehicle, and follow the caravan.



*Dry Meadows in the Chemult area.  
Photo by M. Cummings.*

We will begin this trip by gathering at the Walt Herring Snow Park off Forest Service Road 9772 at 8:00 a.m. This road intersects Highway 97 at the north end of Chemult and the snow park is about  $\frac{1}{4}$  mile west of the highway. Camping is available and, as of last summer, there was no charge for camping. Be sure to catch breakfast before gathering on Wednesday morning. Lunch is provided as part of your registration fee.

Wednesday will be spent exploring landscape response to the eruption of Mount Mazama and how the surface and ground water systems have evolved since the eruption. We'll visit fen sites and consider the character and distribution of ground water dependent ecosystems. This is an active area of collaborative research among the U.S. Forest Service, U.S. Geological Survey, The Nature Conservancy, and Portland State University.

We will leave for Malheur Field Station by about 4:00 p.m., and travel east through Silver Lake and Christmas Valley. Dinner, on your own tab, will be in Christmas Valley. Expect a late arrival at Malheur Field Station located south of Burns, Oregon. Lodging is at the Malheur Field Station (see accommodations on the registration form).



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(continued from previous page)

**June 23, Thursday, Geology of the High Lava Plains transition with the Basin-and-Range Province to the south and the Blue Mountain Province to the north.** Tentative sites for our second trip include outcrops of the Devine Canyon Welded Tuff, Rattlesnake Welded Tuff, sedimentary deposits of the Harney basin, and rocks of the accreted terranes. Breakfast, lunch, and dinner and lodging at Malheur Field Station are included in your registration. Lunch is packed at breakfast and eaten in the field.

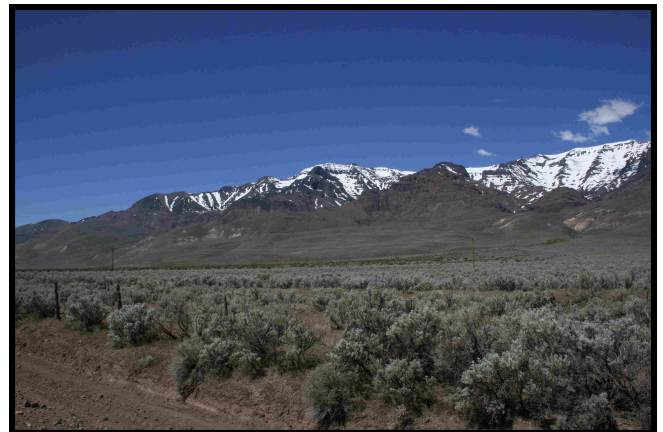


*Borax Lake, looking towards the Trout Creek Mountains. Photo by M. Cummings.*

**June 24, Friday, Geology and hydrogeology of Steens Mountain and the Alvord Desert.** Friday will be a long day as we circumnavigate Steens Mountain. We will visit Borax Lake, a geothermal lake in the Pueblo Valley and home of the rare and endangered Borax Lake Chub, Alvord Hot Springs, the Alvord Desert, and the Steens Mountain front. This is Basin-and Range topography at its best. Breakfast and lunch (packed) and lodging at Malheur Field Station are included in your registration. Dinner is in the town of Fields (will require some careful logistics because this is a very small facility, but the only one around) on your own tab. Expect late arrival at Malheur Field Station.

**June 25, Saturday, Technical sessions at Malheur Field Station.** Saturday is set aside for talks and posters. Projection equipment is limited, so be sure to check with Michael Cummings if you have specific needs. Don't try anything fancy and we'll be OK. Details on what to use for poster format are yet to be settled. Breakfast, lunch (packed), dinner and lodging at Malheur Field Station are included in registration.

**June 26, Sunday, Return home.** The vans will return along two potential routes. One route is to the north through John Day and west through the John Day valley. A stop at the Condon Visitor Center of the John Day Fossil Beds National Monument will take place about 2.5 hours after leaving Malheur Field Station. The other route is west from Burns along Highway 20. A stop at Glass Buttes in the High Lava Plains province will take place about 2 hours after leaving Malheur Field Station. The first route is slower than the second. Travel time to Portland (without stops) is expected at 6 hours. Breakfast and lunch (packed) at Malheur Field Station are included in registration.



*Steens Mountain and Alvord Valley. Photo by M. Cummings.*



2011 PNW Section Annual Field Conference, June 22<sup>nd</sup> - 26<sup>th</sup>

Hosted by Portland State University, @ the Malheur Field Station, southeastern Oregon

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### Registration

Use the registration form on page 5, or download one from [www.nagt.org/nagt/organization/northwest](http://www.nagt.org/nagt/organization/northwest). Please register by June 3<sup>rd</sup>; the earlier the better so that vehicle logistics can be arranged. The full meeting runs Wednesday-Sunday, June 22 - June 26, and the cost of \$300 includes 11 meals and lodging for 4 nights (Wednesday, Thursday, Friday, Saturday).

Partial meeting registration runs Thursday-Sunday, June 23 - June 26, for a cost of \$275, which includes 10 meals and lodging for 3 nights (Thursday, Friday, Saturday).

Please pay by check or money order (no cash!) and mail to the address on the registration form. Make checks payable to Portland State University Geology Department.

### Accommodations & Meals

We will stay at the Malheur Field Station dormitories for the length of this trip. A private room can be reserved for a small monetary increase; otherwise you will share your room with others in our NAGT group (you can request your room partner(s) on the registration form, if you have a preference). You are asked to bring your own bedding and towels.

Meals will be largely provided by the MFS Dining Hall; breakfast and dinner are served in Hall, and you can pack your own lunch using food provided at breakfast. Vegetarian preferences can be accommodated (make sure to check the box on the form).

### Technical Sessions, Saturday, June 25<sup>th</sup>

Saturday is devoted to talks, posters and pedagogy sessions. If you would like to present, please send an email to Dr. Mike Cummings ([cummingsm@pdx.edu](mailto:cummingsm@pdx.edu)) with a short abstract, by June 3<sup>rd</sup>, 2011.



### Contact Information

This promises to be a fun and field-filled trip. Please remember the June 3<sup>rd</sup> registration deadline. For specific questions field trips, presentations or other logistics, please contact Dr. Mike Cummings at [cummingsm@pdx.edu](mailto:cummingsm@pdx.edu). To look at the MFS, go to the website [www.malheurfieldstation.org](http://www.malheurfieldstation.org). We hope that you will be able to join us!

*Looking southeast across the Malheur National Wildlife Refuge, near Frenchglen. Photo by M. Cummings.*



# PNW Section Annual Meeting Registration Form

2011 PNW Section Annual Field Conference, June 22<sup>nd</sup>- 26<sup>th</sup>

Hosted by Portland State University, @ the Malheur Field Station, southeastern Oregon

Deadline For registration and abstracts- June 3rd

### I. I wish to register for:

\_\_\_\_\_ Full 5-day meeting for \$300

Choose an accommodation (bring your own bedding & towels):

\_\_\_\_\_ Private dorm room (extra \$32)

\_\_\_\_\_ Shared dorm room. Please assign me with: \_\_\_\_\_

Choose a travel arrangement:

\_\_\_\_\_ I will ride with PSU to and from Portland for the entire 5 day trip.

\_\_\_\_\_ I will meet PSU in Chemult, and ride with PSU from Chemult to Malheur.

Explain here if you need to return to Portland or will arrange other travel:

\_\_\_\_\_ I will arrange my own transportation to and from the conference, but will ride with PSU for the rest of the conference days

\_\_\_\_\_ Partial 4-day meeting for \$275 (meet at MFS< rather than in Chemult)

Choose an accommodation (bring your own bedding & towels):

\_\_\_\_\_ Private dorm room (extra \$24)

\_\_\_\_\_ Shared dorm room. Please assign me with: \_\_\_\_\_

3. My meals are (check one) :  standard  vegetarian

4. I wish to present a/an  abstract  poster  workshop

Title: \_\_\_\_\_

5. Future PNW Section Conferences:  Yes, I would consider hosting, please contact me.

No, thank you.

Make Checks Payable to: Portland State University Geology Department

Mail Form and Check to:

NAGT Summer Conference

c/o Dr. Michael Cummings, Department of Geology

Portland State University

P. O. Box 751, Portland, OR 97207

Detach this page from your newsletter to mail, or download it from:

[www.nagt.org/nagt/organization/northwest/](http://www.nagt.org/nagt/organization/northwest/)



## NAGT Annual Awards and Deadlines

NAGT offers a variety of awards and grants to educators, and scholarships to students. Consider nominating a deserving colleague or student to recognize exceptional service or work. For more information on nomination procedures go to the NAGT Awards website at [www.nagt.org/nagt/programs/awards.html](http://www.nagt.org/nagt/programs/awards.html)

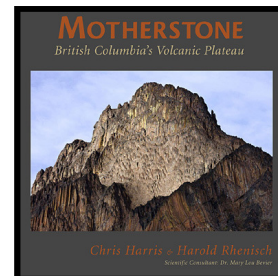
### Awards, Grants, Scholarships, and Deadlines:

- **OEST Award:** for outstanding K/12 teachers, deadline **June 1<sup>st</sup>**.
- **Neil Miner Award:** for exceptional contributions in stimulating interest in the earth sciences, deadline **April 1<sup>st</sup>**.
- **James Shea Award:** for exceptional contributions to geoscience writing or editing, deadline **April 1<sup>st</sup>**.
- **Bob Christman Distinguished Service Award:** for outstanding service to NAGT, deadline **open**.
- **Dorothy Stout Professional Development Grant:** financial grants up to \$750.00 to community college faculty or students, and K-12 teachers, deadline **April 15<sup>th</sup>**.
- **Outstanding Teaching Assistant Award:** for exceptional undergraduate and graduate teaching assistants, deadline **June 15<sup>th</sup>**.
- **Scholarships for Field Study:** for undergraduates (\$500.00) attending any field-based class as part of their degree requirements, deadline **February 16<sup>th</sup>**.



## Motherstone: British Columbia's Volcanic Plateau

Award-winning photographer Chris Harris's latest book is Motherstone: British Columbia's Volcanic Plateau. Dr. **Mary Lou Bevier** (UBC Vancouver) was the scientific consultant on this project. This book takes readers on a visual journey of discovery with behind-the-image stories of adventure, the author's search for beauty, and images of previously unknown volcanic landscapes. For more information or to order the book, go to [www.chrisharris.com/motherstone-book.html](http://www.chrisharris.com/motherstone-book.html)



## Do you know an outstanding Earth Science Teacher?

Each year NAGT honors K-12 educators with the Outstanding Earth Science Teacher award. Winners receive memberships to NAGT, GSA and a variety of geoscience-related curriculum. Sectional winners receive \$500 in travel funds and \$500 in classroom improvement funds from GSA. Nominating someone is quick and easy, you can make a nomination online at [www.nagt.org/nagt/programs/oest.html](http://www.nagt.org/nagt/programs/oest.html). Our section's deadline is **March 15**. Please contact Deron Carter ([carterd@linnbenton.edu](mailto:carterd@linnbenton.edu)) with questions.



## NEPTUNE- Online Sea Floor Data For the Classroom

NEPTUNE is up and running. NEPTUNE is a world first, comprising five data collection sites on the seafloor off the west coast of Vancouver Island, linked by an 800 km fibre-optic cable. Go to the website [www.neptunecanada.ca](http://www.neptunecanada.ca) and surf the seafloor. Lots of good video material under "News & Multimedia", and the "Education & Outreach" link provides lesson plans and resources.



**"On the Cutting Edge" Climate and Energy Webinar Series**

As part of the effort to provide geoscience teachers with tools and education to teach climate change, **Dr. James D. Myers** of the University of Wyoming will offer a free webinar titled "Engaging Students and Addressing Critical Thinking Skills via the Nuclear Debate" on March 11th. This webinar is part of the larger Climate and Energy Webinar series. To participate in this 1 hour program, you need access to Elluminate web conference software. Although no registration fee is charged, registration is required to save your space. To sign up, or for more information go to:

[www.serc.carleton.edu/NAGTWorkshops/climatechange/webinar/march.html](http://www.serc.carleton.edu/NAGTWorkshops/climatechange/webinar/march.html)



**Upcoming Regional/National Meeting Reminders!**

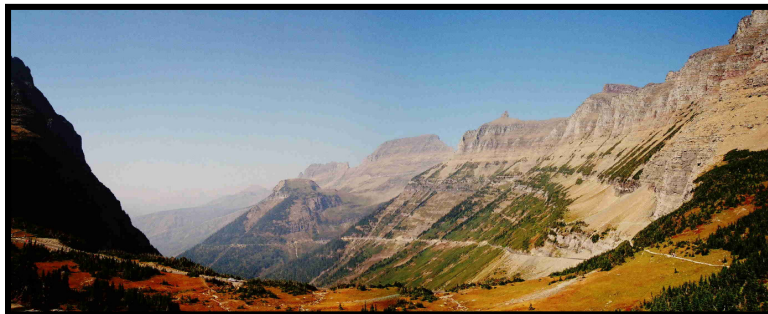
- **2011 GSA Section Meeting**, Rocky Mountain/Cordilleran Sections - Joint Meeting, Logan, Utah - May 18<sup>th</sup>-20<sup>th</sup>. Abstract deadline, Feb. 15<sup>th</sup>
- **NAGT PNW Section Meeting, Malheur Field Station, OR** (See page 2, this newsletter), June 22- 26.
- **NAGT Far West Section Meeting**, Hosted by the Caltech Tectonics Observatory in Pasadena, CA— March 25-27<sup>th</sup>. Field trips and short course workshops! Go to the NAGT Far West Section website: <http://nagt-fws.org/>
- **NAGT North Central Section Meeting**, July-August, TBA. Contact **Suki Smaglik** for more info: [ssmaglik@cw.edu](mailto:ssmaglik@cw.edu)
- **NSTA's National Conference for Science Educators—Come Grow With Us!** March 10-13 in San Francisco. More than 2000 sessions for K-16 science teachers in every discipline. [www.nsta.org](http://www.nsta.org)



**Goats, Grizzlies and Glaciers (oh my?), July 17-23, 2011**

"Goats, Grizzlies and Glaciers" is a summer field trip opportunity for students, offered by instructors **Drs. Buchanan, O'Quinn and Thomson**. Registration is through Eastern Washington University. The goal of this class is to explore the natural history of Glacier National Park during a week-long field course. We will study an ancient period of geologic time exposed in the spectacular Precambrian metasedimentary rocks exhibited in the park, and study the effect of more recent glacial processes on the changing landscape.

This course will provide an opportunity to observe and compare mid-elevation to alpine plant and animal communities on both sides of the continental divide. July 17 - 23, 2011. For more information, please visit: [http://web.me.com/jthomson07/ThomsonEWU/Field Trip 2011.html](http://web.me.com/jthomson07/ThomsonEWU/Field_Trip_2011.html) or call the EWU Geology Department at 509-359-2286 or Biology Department at 509-359-2339.



*Glacier Natl Park, view from top of Going-To-The-Sun Road.  
Photo by C. Strickland.*



## University/College Highlights

### University of Washington Tacoma Lecture Series

Upcoming seminars at the University of Washington Tacoma are open to the public and you are invited. Future events include:

- **February 28:** **Dana Coggon**, Kitsap County Noxious Weed Control Program  
Title: Invasive weeds: Information that will grow on you
- **March 7:** **Sandy Williamson**, US Geological Service (retired), UWT adjunct  
Title: Hydrology, Scientists, and Water Infrastructure in Pakistan, and Afghanistan
- **March 14:** **Nelly Kadagi**, Watamu Turtle Watch, Kenya  
Title: Marine Conservation in East Africa: Lessons from Watamu Turtle Watch

They are from 12:30 - 1:30 in Science 309 on the UW-Tacoma campus. For more information contact [ksdavies@u.washington.edu](mailto:ksdavies@u.washington.edu)



### Public Outreach at Central Washington University

CWU offers a number of public outreach lectures held in downtown Ellensburg, WA, about various geologic topics pertinent to the Northwest. Area residents, students and visitors are encouraged to learn about local geology by attending an upcoming lecture. For information & schedules, please visit: [www.geology.cwu.edu/lectures](http://www.geology.cwu.edu/lectures).



Another public outreach endeavor is a television program called "Central Rocks", hosted by CWU's **Nick Zentner** and broadcast locally. This program features geoscience issues presented by CWU faculty, staff and occasional guest speakers. The program "aims to promote an appreciation and understanding of Washington geology - while also shedding light on research and teaching of CWU faculty" according to the webpage. Individual shows focus mainly on local and regional geology, and can be watched online at: [www.geology.cwu.edu/centralrocks](http://www.geology.cwu.edu/centralrocks)

In addition, CWU's professional lecture series is held in Lind Hall on the main Ellensburg campus. For schedules and upcoming lectures, go to: [www.geology.cwu.edu/dept/seminars.html](http://www.geology.cwu.edu/dept/seminars.html)



### Lecture Seminars at the University of British Columbia Vancouver

The following upcoming seminars/colloquia are open to the public. For abstracts, location & time of day. see [www.eos.ubc.ca/home/seminars/seminars.html](http://www.eos.ubc.ca/home/seminars/seminars.html).

- **March 3<sup>rd</sup>**- **Rick Carlson** of DTM, Signatures of Early Earth Processes in the Modern Earth's Interior.
- **March 7<sup>th</sup>**- **Alan Shiller** of University of Southern Mississippi, Chemical studies of the submerged oil/gas plume from the Deepwater Horizon accident.
- **March 8<sup>th</sup>**- **Francis Jones** of EOS-SEI, Using test results to identify misconceptions and improve future assessments.
- **March 9<sup>th</sup>**- **Alan Shiller** of University of Southern Mississippi, Trace elements in rivers: problems and perspectives.
- **March 10<sup>th</sup>**- **Paul Hoffman** of U. Victoria, Snowball Earth and its recent progress, and a second talk later in the afternoon, The glacial controversy at the origin of geodynamics and climate dynamics.



### **GOOGLE® Science Fair**

On January 11, 2011, the inaugural Google Science Fair was launched. They have partnered with NASA, CERN, National Geographic, Scientific American and the LEGO Group to create a new STEM competition that is more open, accessible and global than ever before. They are reaching out to educators and extend an invitation to schools and teachers to get involved early in the global competition.

To sign up for fun and free resource kits for your classroom or school (with bookmarks, stickers, posters and more!) and a reminder notification when GSF registration opens, please visit the Google Science Fair web site.

The Google Science Fair is a global competition that any student aged 13 - 18 from around the world is eligible to enter. Students can enter as individuals or as teams of up to three. There is no entry fee and registration and submission will happen online. The deadline for submissions will be **April 4, 2011**. The Science Fair will culminate in a "once in a lifetime" celebratory event at Google headquarters in California in July 2011 where finalists will compete for internships, scholarships and prizes in front of a panel of celebrity scientist judges including Nobel Laureates, tech visionaries and household names.

We want to celebrate and champion great young scientific talent and give students from around the world the opportunity to compete for amazing experiences, prizes, scholarships and internships. We hope you are as excited about this upcoming competitions as we are! Go to [www.google.com/sciencefair](http://www.google.com/sciencefair) for info or contact Dr. Kevin Czajkowski, Dept. of Geography/Planning, University of Toledo, [kczejko@utnet.utoledo.edu](mailto:kczejko@utnet.utoledo.edu).



### **Denali National Park Courses**

Would you love being outdoors participating in a fun hands-on teacher training in Denali National Park? The Murie Science & Learning Center and Alaska Geographic have 2011 field-based courses. Courses are 3-4 days in length and are accredited by the University of Alaska for 1-3 professional development credits.

The 2011 Denali Teacher Trainings are as follows:

- June 2 - 4- Alaska Natural History Workshop for Educators (with the Wrangell Mountains Center)
- June 7 - 9- iMovie: Movie Making and Podcasting in Denali
- July 19 - 22- The World of Wolves
- July 26 - 29- Taking it Outside: Connecting Science, Writing, and Students

For additional information about 2011 courses and to download the simple application form, please visit the website ([www.alaskageographic.org](http://www.alaskageographic.org)) or contact Jessica Brillhart, Education Program Specialist, Alaska Geographic Murie Science and Learning Center, Denali National Park, Alaska, (907) 683 - 1269.



### Cryospheric Connections Spring 2011

Cryospheric Connections is an **online course for K-12 teachers** and will be run through Moodle, a Virtual Learning Environment similar to Blackboard. Earn 3 professional development credits at no cost to you. Field-testing teachers evaluate multimedia and lesson components and provide feedback via online postings and short surveys. **To register** or for more information please visit [www.cryosphere@gi.alaska.edu](http://www.cryosphere@gi.alaska.edu).



### K-12 Resources From the University of Victoria, BC

To celebrate the 2010-2011 BC Year of science, the University of Victoria's Faculty of Science and the Pacific CRYSTAL will be posting a "Science Activity of the Month" for youth, as well as a related scientist profile "5 Minutes with a Scientist" . These can be found at <http://web.uvic.ca/sciweb/>



### Ron Kahle Professional Development Travel Grants For PNW NAGT K-12 Members Apply by June 5th For First consideration

Thanks to a generous donation awarded to our section by **Mr. Ron Kahle** we will be awarding three grants up to \$195.00 each for K-12 science teachers to attend the **2011 Annual Pacific NW NAGT Section Conference**. This year's conference will be held at the Malheur Field Station, in southeastern Oregon. (See details, this newsletter.) Meeting details can be found at [www.nagt.org/nagt/organization/northwest/meetings.html](http://www.nagt.org/nagt/organization/northwest/meetings.html)

Each grant will cover the cost of meeting registration, including the conference day, banquet and field trips. To apply, follow this simple five-step email application process:

1. List the conference events costs (conference day, banquet, and any field trips) for which you intend to register.
2. State whether you are a NAGT member (membership is not required, but existing members will be given first preference during consideration.)
3. Indicate where and what your job in K-12 earth science education is.
4. List some of the professional development benefits you hope to gain from attending the conference.
5. Email to **Ron Metzger**, Section President, at [rmetzger@socc.edu](mailto:rmetzger@socc.edu)

And that's not all! -- If a person is not an NAGT member, but due to a small number of applicants (which is quite possible) wins a Ron Kahle grant, we will also award him or her with a one-year NAGT membership, gratis (that is, we will pay for it from the Ron Kahle fund)! This annual membership includes, of course, a one-year subscription to the Journal of Geoscience Teaching, a peer-reviewed journal, along with our own section newsletter. The section officers together will decide the winners. Please apply soon; the conference is June 22-26<sup>th</sup>! **Apply by June 5<sup>th</sup> for first consideration.**

Ron Kahle Award Website: [www.nagt.org/nagt/organization/northwest/ron\\_kahle\\_award.html](http://www.nagt.org/nagt/organization/northwest/ron_kahle_award.html)



# Local Meetings and Organization

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**State by State:**

**British Columbia, Yukon, Idaho, Oregon & Washington**

**British Columbia**



- **Understanding our Connection to the Earth** - a two-day workshop for teachers, May 27- 28, 2011, Carleton University, Ottawa, Canada. Teachers of all grade levels and all subjects are invited to come and work with educators and geoscience professionals from across Canada for a two-day Earth Science workshop. The first day will provide in-house instruction, activities, lesson plans, resources and inspiration to help teachers bring Earth Science content into their classrooms. The second day will be spent exploring the geoheritage of the Ottawa area through a full-day field trip that will provide ideas for field-based learning. The workshop will run in conjunction with the joint conference of the Geological Association of Canada and the Mineralogical Association of Canada, Ottawa 2011: [www.gacmacottawa2011.ca](http://www.gacmacottawa2011.ca). The \$60 registration. Register at [www.earthsci.carleton.ca/teachers/workshop.html](http://www.earthsci.carleton.ca/teachers/workshop.html). For more information, contact **Beth Halfkenny** at [bhalfk@earthsci.carleton.ca](mailto:bhalfk@earthsci.carleton.ca).

**Alaska**

- **Arctic to the Cordillera: Unlocking the Potential.** 2011 Pacific Section of the AAPG and Western SPE Annual Convention, May 9-11. Anchorage, AK. For registration go to <http://psaapg.org/convention.aspx>
- **Assoc. of Environmental & Engineering Geologists (AEE) 54th Annual Meeting**, Sept. 19-24. Anchorage, AK. To register, go to: [www.aegweb.org/i4a/pages/index.cfm?pageID=5110](http://www.aegweb.org/i4a/pages/index.cfm?pageID=5110)



**Idaho**

- **The MAGIC of i-STEM 2011 Summer Institute** will be held July 18-21, 2011 at College of Southern Idaho (Twin Falls) and Northern Idaho College (Coeur d'Alene). Website: [www.sde.idaho.gov/site/istem/teachers/events.htm](http://www.sde.idaho.gov/site/istem/teachers/events.htm)



**Oregon**

- The Geological Society of the Oregon Country meets on the 2nd Friday of each month in room S17, Cramer Hall, on the Portland State University campus, at 7:30 pm. April's guest speaker is **Courtney Cloyd**, former Senior Geologist for Geologic Hazards and Geologic Resources, US Forest Service, will present "The Paleontological Resources Preservation Act and Amateur Fossil Collecting".



**Washington**

- **Washington Science Teachers' Association (WSTA)** is teaming up with the Environmental Education Association of WA (EEAW) for its Spring Conference, on March 18-20th, 2011, at the Poulsbo Middle School, Poulsbo, WA. This conference will be hosted by the Suquamish Tribe. For information email: [wsta.eeaw2011@gmail.com](mailto:wsta.eeaw2011@gmail.com). To register, follow this link: [www.gifttool.com/registrar/ShowEventDetails?](http://www.gifttool.com/registrar/ShowEventDetails?)

