



Weekly Announcements for December 9-15, 2007

Please submit newsletter information to Susan at rittsusa@isu.edu

Faculty/Staff/Other Meetings

There will **NOT** be a Biological Sciences Faculty Meeting on **Tuesday, December 11, 2007**.

Seminars

Ken Aho, ISU, will present his seminar, "Vegetation Habitat Analysis (VHA) for native revegetation of radically disturbed sites in the Northern Great Plains", **Thursday, December 13, 2007 at 4pm in L C 10**.

Steve Seiler, graduate student with **Dr. Ernest R. Keeley**, will present his PhD defense seminar, "Ecological and environmental investigations of competition between native Yellowstone cutthroat trout (*Oncorhynchus clarkii bouvieri*), rainbow trout (*O. mykiss*), and their hybrids," **Thursday, December 13, 2007 at 11am in the Plant Science Lecture Hall 114**.

Kritika Chaudhari, graduate student with **Dr. Shawn Bearden**, will present her master proposal seminar, "Sex Differences in Protection Against Myocardial Ischemia-Reperfusion Injury: Role of Cystathionin- γ -Lyase and Hydrogen Sulfide", **Thursday December 13, 2007 at noon in LC 10**.

Travel

Dr. Terry Bowyer will travel to Brookings, South Dakota, next week to give an invited seminar at South Dakota State University on predator-prey dynamics.

Publications

James E. Lee, Junelina Reed, Malcolm S. Shields, Kathleen M. Spiegel, Larry D. Farrell, and Peter P. Sheridan. 2007. Phylogenetic analysis of Shiga toxin 1 and Shiga toxin 2 genes associated with disease outbreaks. *BMC Microbiology*, **7**:109.

Presentations

The following Biological Sciences people will be presenting at the 2007 American Geophysical Union annual meeting in San Francisco CA, December 10-14, 2007.

Germino MJ, Graumlich LJ, Maher EJ. Recent relationships of tree establishment and climate in alpine treelines of the Rocky Mountains.

Bansal S, Germino MJ. Elevation and temperature effects on carbon balance near alpine treeline: comparison of a treeline and non-treeline tree species.

Glenn NJ, Sankey J, **Germino MJ**. Post-fire wind erosion in a semiarid shrub steppe.

Funding Opportunities

The Mazamas, a 3,000 member Oregon mountaineering organization headquartered in Portland OR, is soliciting research grant proposals from scientists and their graduate students. Our organization supports research projects in keeping with the purposes of the Mazamas, including the investigation of geologic features, biotic communities, and human endeavors pertaining to mountains, forests, rivers, and lakes. The Committee evaluates each proposal and awards grants to selected applicants in the spring of each year. Grants range from \$500 to as much as \$3,500 from a total amount available this year of approximately \$12,000. The Publications Committee may edit and publish the final report of each grantee's research in the Mazamas Annual Journal.

The Research Committee must receive grant applications by the deadlines listed on the web link below (late Jan or early Feb 2008).

To see our grant application procedure and for additional information, please see this link:

<http://www.mazamas.org/your/adventure/starts-here/research-grants>

This link will also show you the grants we have awarded in the past several years.

For more information, please contact the Mazamas Research Committee:

Mazamas Research Committee

527 SE 43rd Avenue

Portland OR 97215

Business Hours:

Mon-Th 10:00am - 7:00pm, Fri. 10:00am - 2:00pm

Phone: 503-227-2345, ext 1

Fax: 503-227-0862

Email: mazama.research@mazamas.org

Notices

The Office of Research issues a Call for Proposals from the Research Coordinating Council for Release Time Support for External Funding (RTSEF). The release time is for Academic Year 2008/2009. Proposals are due on **Monday, March 31, 2008**.

A MS or PhD student is sought for a new DoD funded project to evaluate wind erosion of soil in disturbed rangelands, at Idaho State University, Pocatello. Our overall research is examining rates of wind erosion, changes in erodibility, and factors affecting erodibility. Studies will be conducted mostly in the field, in participation with a team of geologists, ecologists, and modelers. The student will focus on hydroclimatology of wind erosion, including new approaches for measuring surface soil water. Students should be capable of working in the field, and have prior coursework or experience in soils, ecology, and climate instrumentation. Additionally, some exposure to theory and analysis of mass and energy exchange is desirable, such as formal coursework in atmospheric science, soil physics, micrometeorology, geomorphology, or engineering. The position can begin anytime. Interested students can contact Matt Germino, germmatt@isu.edu, 208-282-3285.

The Chicago Botanic Garden is seeking qualified person (post graduation) to participate in their Conservation and Land Management Fellowship Program. The **Conservation and Land Management Fellowship Program** is a partnership between the Chicago Botanic Garden, the Bureau of Land Management, National Parks Service and the USDA Forest Service. Positions are available in the western United States beginning January and June, 2008. **Duties** may include: plant and wildlife monitoring and mapping; endangered species reintroduction; invasive species management; geographic data acquisition and analysis; biological assessments, sensitive species lists and conservation plans; fire ecology; land use planning; archaeology-related activities; recreation areas management; rangeland assessments; seed

collection.

Fellows participate in a one-week training course held in late May in Chicago. Travel and lodging expenses will be covered. **Training** includes: BLM/NPS/FS orientation; Endangered Species Act and associated programs; plant and animal identification and monitoring; GIS and mapping; and topographical map reading and GPS skills. **Compensation** is \$750.00/pay period (every two weeks).

How to Apply: Send a letter of interest, official school transcript(s), resume and three letters of recommendation as one package by February 15, 2008 (December 15, 2007 for the earlier start date) to:

Cynthia Scott
CLM Fellowship Program
Chicago Botanic Garden
Division of Plant Science and Conservation
1000 Lake Cook Road
Glencoe, IL 60022
Ph: 847-835-6917
Fax: 847-835-5484
cscott@chicagobotanic.org

This Fellowship opportunity may also be conducted as a research component of a Masters program with Northwestern University and the Chicago Botanic Garden. For application information, visit: <http://www.plantbiology.northwestern.edu>

For more information visit the website:

<http://www.chicagobotanic.org/research/conservation/blm/>

STUDENT INTERNSHIPS IN CLIMATE CHANGE

Concerned about climate change? Wondering when world oil production will peak and what renewable energies are ready to step in? Want to improve the communication of sound science and policy on these topics to a global audience?

Here's your chance. We are looking for motivated individuals to become student **Encyclopedia Interns** on a major climate change initiative underway at the *Encyclopedia of Earth*

(<http://www.eoearth.org/>), a new electronic reference about the Earth, its natural environments, and their interaction with society. The *Encyclopedia* is a free, fully searchable collection of articles written by scholars, professionals, educators, and experts who collaborate and review each other's work.

The articles are written in non-technical language and will be useful to students, educators, scholars, professionals, as well as to the general public.

The goal of this project is to build the Web's largest and most authoritative resource on climate change. **Encyclopedia Interns** will help harvest public domain content, copyedit articles, and otherwise assist authors and topic editors in producing and publishing articles. **Encyclopedia Interns** will learn the basics of Mediawiki software, the collaborative content platform that underlies Wikipedia, and work with researchers, educators, professionals, and other experts on climate change and related topics

The time commitment is flexible and you can work at home, your school's Food Court, Starbucks, or wherever you can grab an Internet connection.

You can see the current group of "e-scribe" Interns here: <http://www.eoearth.org/article/E-scribes>.

Here's your chance to make a difference and gain unique professional experience. Interested?

Contact Maggie Surface at eoearth@eoearth.org.

NHEERL Global Climate Change Research Report Published

A Summary of NHEERL Ecological Research on Global Climate Change reports on 14 years of research conducted by the Office of Research and Development at its National Health and Environmental Effects Research Laboratory (NHEERL) facilities. Edited by Dr. Peter Beedlow and Dr. David Tingey of NHEERL's Western Ecology Division, this compendium of research presents findings on how global climate change may affect terrestrial, freshwater, and marine ecosystems, as well as agriculture. The research described in this report has augmented the understanding of potential effects of global warming and rising levels of atmospheric carbon dioxide on natural and managed ecosystems.

To view the document, go to http://www.epa.gov/wed/pages/publications/authored/GCC_report_web.pdf

