



## Weekly Announcements for December 14-20, 2008

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

### Faculty/Staff/Other Meetings

There will NOT be a Biological Sciences Faculty meeting Tuesday, December 16, 2008.

### Seminars

There will NOT be a department seminar Thursday, December 18, 2008.

### Presentations

**Dr. James Groome** gave a presentation December 5, 2008, entitled, "Understanding Dementia: Signs and Symptoms of Alzheimer's and Parkinson's Disease," for the 1st Biannual Ginny Thomas Geriatric Health Symposium held at Idaho State University.

### Grants Awarded

**Tamara Salazar** and **Binita Shakya** each received \$1000 grants from the Idaho State University Undergraduate Research Committee to conduct research on bacterial redox proteins in **Dr. Tim Magnuson's** laboratory.

**Dr. Tim Magnuson** has received \$27,000 from the Center for Advanced Energy Studies-Idaho National Laboratory for a collaborative project entitled, "Development of Lignocellulosic Ethanol Production Potential in Idaho."

### Scholarships Available

**Idaho Chapter of the American Fisheries Society TOP (Training Opportunity and Project) Grant**

**Eligibility:** Any students enrolled at any Idaho School

**Amount:** \$50-\$750

**Selection Criteria:** How the activity will advance the mission and objectives of the American Fisheries Society. Description of how the money will be applied to the conference/training or project opportunity.

**Application Process:** Complete an application form available at <http://www.idahoafs.org/> and submit to: Lauri Monnot, Education Committee Chair, 1445 North Orchard, Boise, ID 83706.

**Application Deadline:** January 16, 2009

**Idaho Chapter of the American Fisheries Society Idaho Undergraduate Student Scholarship**

**Eligibility:** Applicants must meet the following criteria. Be an undergraduate student enrolled in any Idaho college or university the next academic year. Have a GPA of at least 3.0. Have career goals that advances the mission and objectives of the American Fisheries Society.

**Amount:** \$500

**Selection Criteria:** Academic record. Career goals. GPA. Letter of recommendation from a biology professor, faculty advisor, administrator or employer. Have career goals that advances the mission and objectives of the American Fisheries Society.

**Application Process:** Complete an application package which consists of the following items. A completed application form and resume available at <http://www.idahoafs.org/>. A statement of your career goals (300 words or less). A letter of recommendation from a biology professor, faculty advisor, or administrator. A copy of your college transcripts. All application materials must be sent together in one application package. Submit the application package to: Lauri Monnot, Education Committee Chair, 1445 North Orchard, Boise, ID 83706.

**Application Deadline:** January 16, 2009

### **Idaho Chapter of the American Fisheries Society Idaho Graduate Student Scholarship**

**Eligibility:** Applicants must meet the following criteria. Be a graduate student at any Idaho college or university during the next academic year. Have career goals that advance the mission and objectives of the American Fisheries Society.

**Amount:** \$500

**Selection Criteria:** Academic record. Career goals. Experiences that enhance the student as a professional. Letter of recommendation from a biology professor, faculty advisor, or administrator.

**Application Process:** Complete an application package which consists of the following items. A completed application form and resume (available at <http://www.idahoafs.org/>). A statement of your career goals (300 words or less). A letter of recommendation from a biology professor, faculty advisor, or administrator. A copy of your college transcripts. All application materials must be sent together in one application package. Submit the application package to: Lauri Monnot, Education Committee Chair, 1445 North Orchard, Boise, ID 83706.

**Application Deadline:** January 16, 2009

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## **Job Opportunities**

**The Idaho Department of Fish and Game** has the Wildlife Program Coordinator position in Boise, Idaho on open competitive announcement until **January 2, 2009**. The announcement is located at the following link: [http://dhr.idaho.gov/dhrapp/stateJobs/jobannouncement.aspx?announcement\\_no=00850050650](http://dhr.idaho.gov/dhrapp/stateJobs/jobannouncement.aspx?announcement_no=00850050650). Applications will only be accepted through this website.

**The Caribou-Targhee National Forest** in SE Idaho is hiring summer fisheries technicians for the 2009 field season. Their duties include revisiting our 1999 fish distribution survey locations to help collect trend data by e-shocking, performing irrigation diversion inventories to document migration barriers and fish entrainment, physical habitat surveys, and assisting professionals with restoration projects. The pay for the positions could range from \$9.18 (GS 2) to \$12.58 (GS5), depending upon candidate qualifications. We will be hiring the techs using our student hire authority, so the candidates must be students in the spring and planning to return to school in the fall. No housing will be provided. If interested in these summer seasonal fisheries technician opportunities, please contact James Hammer Capurso, Forest Fisheries Biologist, Caribou-Targhee National Forest, 1405 Hollipark Drive, Idaho Falls, ID 83401. Office telephone is 208-557-5780. **Contact by January 31, 2009.**



## Weekly Announcements for December 7-13, 2008

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

### Faculty/Staff/Other Meetings

There will NOT be a Biological Sciences Faculty meeting Tuesday, December 9, 2008.

### Seminars

**Jericho C. Whiting**, ISU Biological Sciences PhD Candidate, will present his seminar, "Timing and Synchrony of Births in Reintroduced Bighorn Sheep," on **Tuesday, December 9, 2008**, at **11 AM** in **Lecture Center 10**.

There will NOT be a department seminar Thursday, December 11, 2008.

### Presentations

**Dr. Colden Baxter** and ISU Department of Biological Sciences graduate student, **Kevin Donner**, traveled to Scottsdale, Arizona, November 18-20 to attend the **2008 Colorado River Basin Science and Resource Management Symposium**. Dr. Baxter gave an invited presentation entitled, "A quantitative food web and ecosystem production budget for Geln Canyon, Colorado River." The following papers were presented:

**C. V. Baxter**, E.J. Rosi-Marshall, W.F. Cross, T.A. Kennedy, **K.C. Donner**, H.A. Wellard, R.O. Hall, M.D. Yard, and S. Rogers. A quantitative food web and ecosystem production budget for Geln Canyon, Colorado River. Invited oral presentation.

R. O. Hall, T.A. Kennedy, E.J. Rosi-Marshall, W.F. Cross, **C.V. Baxter**, and M.D. Yard. Aquatic production and carbon flow in the Colorado River. Invited Plenary Presentation.

E. J. Rosi-Marshall, T. A. Kennedy, W.F. Cross, R.O. Hall, **C.V. Baxter** and D. Kincaid. Effects of the 2008 BHBF on invertebrates in the Colorado River below Glen Canyon Dam. Invited oral presentation.

### Upcoming Events

**Biological Sciences Annual Christmas Party** is **Tuesday, December 9, 2008, 5:00-10:30 PM**.





## Monthly Announcements for August 2008

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

### Faculty/Staff/Other Meetings

There will **NOT** be a **Biological Sciences Faculty Meeting** until Fall 2008 semester.

### Grants Awarded

**M. J. Germino**, N. Glenn. 2008. Fire and erosion in western rangelands. US DOI BLM. \$159,246 over 2 years.

### Publications

David M. Leslie, Jr., **R. Terry Bowyer**, and Jonathan A. Jenks. 2008. Facts From Feces: Nitrogen Still Measures Up as a Nutritional Index for Mammalian Herbivores. *The Journal of Wildlife Management* 72(6):1420-1433.

**Jericho C. Whiting**, **R. Terry Bowyer**, and Jerran T. Flinders. 2008. Young Bighorn (*Ovis canadensis*) Males: can they Successfully Woo Females? *Ethology* 114:32-41.

**Ryan A. Long**, Janet L. Rachlow, **John G. Kie**, and Martin Vavra. 2008. Fuels Reduction in a Western Coniferous Forest: Effects on Quantity and Quality of Forage for Elk. *Rangeland Ecology & Management* 61(3):302-313.

**Ryan A. Long**, Janet L. Rachlow, and **John G. Kie**. 2008. Effects of Season and Scale on Response of Elk and Mule Deer to Habitat Manipulation. *Journal of Wildlife Management* 72(5):1133-1142.

T. Sankey, **M. J. Germino**. 2008. Assessment of Juniper Encroachment with the use of Satellite Imagery and Geospatial Data. *Rangeland Ecology & Management*. 61: 412-419

### Department Highlights

**Dr. Mitch Day** has been awarded a prestigious three year NSF Bioinformatics Postdoctoral Fellowship. Dr. Day defended his Ph.D. in Biology in September 2007 and has been a postdoc associate at Idaho State University Biology's Evolutionary Genomics Group since graduating. His NSF Postdoc will allow him to split his time between Dr. James Foster's bioinformatics group at UI and the National Institute of Genetics in Mishima, Japan, under Dr. Takashi Gojobori. His postdoc project is titled, "Phylogenetic and metabolic profiling of the metagenome using a next-generation sequencing platform and binary hybridization vectors." He begins work October 1, 2008. Mitch is the second former INBRE research fellow to be awarded the NSF Bioinformatics Postdoc.

**Mary Ann Stoll**, CSMM, attended the 35th annual conference of the National Association of Scientific Materials Managers in San Antonio, TX, July 20-25, 2008. During the conference she was recognized by her peers as the Manager of the Year. She was nominated by Sandy Mitchell. She has been a member of

NAOSMM since 1987. Mary Ann will be hosting the 2009 conference in Boise, ID. Congratulations to Mary Ann for this prestigious award. She is well deserving.

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## ***Presentations***

Presentations given at the Ecological Society of America Annual meeting in Milwaukee, WI, Aug 4-8 2008, include:

- **Matthew Germino, Dennis Demshar.** “A New Approach for Passive Warming in Field Experiments.”
- **Janet Prevey, Matthew Germino.** “Population Responses of an Exotic Forb Invading Experimental Manipulations of Foundation Species and Soil Water in Sagebrush Steppe: Comparison of Matrix Model Approaches.”
- Also invited at the USDA NRI meeting on invasive species, held in conjunction with the ESA meeting: “Land use effects on persistence of exotic forbs in semiarid rangelands: Are loss of foundation species and Disruption of soil water partitioning causal links?” **Matthew Germino, Janet Prevey, Jonathan Horton.** (Co-PIs: **Richard Inouye, Nancy Huntly, John Marshall**).



## Weekly Announcements for August 31-September 6, 2008

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

### Faculty/Staff/Other Meetings

Biological Sciences Faculty Meeting will be held **Tuesday, September 2, 2008**, in the **Speech Pathology Building #68 in room SPA 315 at noon**.

### Grants Awarded

**Dr. Jeff Meldrum** received a \$130,000 grant from the Mayfield Foundation for the North American Ape Project, 2008.

### Publications

**Meldrum, D. J.** and **T.D. Stephens**. 2008. Who Are the Children of Lehi? In: D.C. Peterson (ed.) The Book of Mormon and DNA Research. Provo, Utah, Brigham Young University: The Neal A Maxwell Institute for Religious Scholarship, pp. 157-183.

### Presentations

**Dr. Jeff Meldrum** gave a presentation, "Sasquatch: Legend Meets Science," for the Royal Alberta Museum in Edmonton, Alberta, Canada on August 17, 2008.

**Dr. Scot Kelchner** and **Amanda Fisher**, Ph.D. candidate presented three papers at the Fourth International Conference on the Comparative Biology of the Monocotyledons held in Copenhagen, Denmark from August 11-15, 2008. The five-day scientific program occurs every five years and brings together plant biologists from around the world to discuss monocot evolution and diversity.

### Travel

**Dr. Matt Germino** will travel to the Army Corp of Engineers Topographic Engineering Center, Alexandria, VA, for the Joint ARO-ERDC Review of the DOD Terrestrial Science Program from September 10-12, 2008. Dr. Germino and coauthors, Joel Sankey, **Amber Hoover**, and Nancy Glenn, will present, "Eolian Transport in Heterogeneous Terrain: Characterizing Erosion Patterns Following Fire in Cold Desert."

### Graduate Student Opportunities

**PhD and MS graduate student assistantships** in ecology of invasive plant species. Available at Utah State University, Logan to study plant-soil feedbacks following cheatgrass invasion of big sagebrush ecosystems. The research will use a combination of long-term (25-y-old) field plots, greenhouse and laboratory approaches to examine the role of plant-soil feedbacks related to nutrient cycling, allelopathy and shifts in microbial community structure in promoting stable cheatgrass communities. As part of the project, molecular tools will be used to examine shifts in community structure of mycorrhizal fungi, nitrifying bacteria, and other microbial populations. Stable isotope techniques will be used to examine biogeochemical changes following cheatgrass invasion. Degree programs available in Biology, Soil Science or Ecology, depending on student background and interests. Support includes a generous stipend, health

insurance, and tuition waivers (for PhD programs). For more information contact Dr. John Stark ([jstark@biology.usu.edu](mailto:jstark@biology.usu.edu)) or Dr. Jeanette Norton ([jennyn@cc.usu.edu](mailto:jennyn@cc.usu.edu)).

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## Job Opportunities

### **Watershed Resources Specialist**

Los Angeles Department of Water and Power

Watershed Resources/Northern Aqueduct

Annual Salary: \$68,857-\$107,532

**Deadline: Thursday, September 4, 2008**

For more information go to:

[http://personline.lacity.org/job\\_list/index.cfm?FuseAction=Showspec&CC=7862](http://personline.lacity.org/job_list/index.cfm?FuseAction=Showspec&CC=7862)

Applications and Training and Experience Questionnaires WILL ONLY BE ACCEPTED ON-LINE at  
[https://personline.lacity.org/job\\_app/](https://personline.lacity.org/job_app/)

The **Coconino National Forest** will soon be advertising a GS-0454-5/7/9, **Rangeland Management Specialist**, with responsibilities on the Peaks and Mormon Lake Ranger Districts. This position is a permanent, full time position and is located in Flagstaff, Arizona. Anyone interested in further information should contact Gary Hase, Jr., at 928-527-8262 or [ghase@fs.fed.us](mailto:ghase@fs.fed.us).





## Monthly Announcements for July 2008

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### Faculty/Staff/Other Meetings

There will **NOT** be a **Biological Sciences Faculty Meeting** until Fall 2008 semester.

### Seminars Meetings

**Kritika Chaudhari**, graduate student of **Dr. Shawn Bearden**, will present her MS defense seminar, "Role of Sex and Endothelial Nitric Oxide Synthase in Modulating the Expression of Cystathionine-Gamma-Lyase in Mouse Heart, Brain, and Skeletal Muscle," on **Monday, July 14, 2008, at 10:00 AM** in **LC 10**.

### Publications

**Groome, J. R.**, Larsen, M. F., Coonts, A. 2008. Differential effects of paramyotonia congenita mutations F1473S and F1705I on sodium channel gating. *Channels* 2 (1): 39-50.

### Department Highlights

**Drs. Marjorie Matocq, Terry Bowyer, and John Kie**, along with graduate students **Quinn Shurtliff, Ryan Long, and Jericho Whiting**, traveled to South Dakota State University in Brookings, South Dakota, to attend the 88<sup>th</sup> Annual Meeting of the American Society of Mammalogists (ASM) from 21 to 25 June. Marjorie serves as a member of the Board of Directors and Student Honoraria Committee. Marjorie, Terry, John, Quinn, and Ryan are members of the Resolutions Committee. John is the ICUN liaison for ASM. John and Marjorie serve on the Grants in Aid Committee. Terry serves on the Merriam and Conservation Awards committees, participated in the Breakfast with a Scientist Program, and chaired a technical session. The following presentations were given by ISU Faculty and Graduate Students:

Quinn R. Shurtliff and Marjorie D. Matocq - *She loves me, she loves me not: female mate preferences in a woodrat hybrid zone.*

Ryan A. Long, Janet L. Rachlow, John G. Kie, and R. Terry Bowyer - *Sex-specific responses of North American elk to fuels reduction.*

John G. Kie, Ryan A. Long, and R. Terry Bowyer - *Parturition, movements, and resource selection in mule deer.*

Jericho C. Whiting, R. Terry Bowyer, and Jerran T. Flinders - *Annual use of water sources by reintroduced bighorn sheep: effects of season and drought.*

**Drs. Peter Murphy, Sophie St.-Hilaire, and Charles Peterson**, are trying to help determine why Boreal toad populations have declined severely in Colorado, but not in western Wyoming or Montana. They are tracking these nocturnal animals by using tiny radiotransmitters attached to the amphibians, to record their movement, temperature and habitat use. The ISU researchers are examining the problem from two angles; from field sites in Wyoming and Colorado, and in laboratory experiments at Idaho State University's main campus in Pocatello. Murphy and two field assistants are doing much of the fieldwork and St-Hilaire is doing much of the laboratory work, but all the researchers help out one another in both areas.



## *Job Opportunities*

The **Idaho Department of Fish and Game** has the **Fishery Regional Biologist** in Jerome and Salmon, Idaho, on open competitive announcement until **July 18, 2008**. The announcement is located at the following link:

[http://dhr.idaho.gov/dhrapp/stateJobs/jobannouncement.aspx?announcement\\_no=00803088933](http://dhr.idaho.gov/dhrapp/stateJobs/jobannouncement.aspx?announcement_no=00803088933).

Applications will only be accepted through this website.

The **Idaho Department of Fish and Game** has the **Conservation Officer** position Idaho on open competitive announcement until **August 1, 2008**. The announcement is located at the following link:

[http://dhr.idaho.gov/dhrapp/stateJobs/jobannouncement.aspx?announcement\\_no=00864081209](http://dhr.idaho.gov/dhrapp/stateJobs/jobannouncement.aspx?announcement_no=00864081209).

Applications will only be accepted through this website.



## *Weekly Announcements for April 13-19, 2008*

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

### *Faculty/Staff/Other Meetings*

There will be a **Biological Sciences Faculty Meeting** on **Tuesday, April 15, 2008**, at **12 noon** in the Speech Pathology building room **SPA 315**.

### *Seminars*

**Dr. Turk Rhen, University of North Dakota**, will present his seminar, "Temperature-Dependent Sex Determination in the Snapping Turtle: Molecular Genetic Analysis of Thermal Sensitivity," on **Thursday, April 17, 2008**, at **4:00 PM** in **Lecture Center 10**.

### *Presentations*

**Jeff Meldrum** made a presentation entitled, "The Hallucal Metatarsal in the Evolution of the Modern Human Foot," at the annual meetings of the **American Association of Physical Anthropologists** held in Columbus, Ohio, April 10-12, 2008.

**Matt Germino** will be presenting a seminar, "Syntheses of Positive Feedback Switches Affecting Tree Lines of the Rocky Mountains, USA," at the **Association of American Geographers** in Boston, MA, April 16-22, 2008.

### *Summer Opportunities*

**The Berryman Institute East and the National Wildlife Research Center (NWRC)** are proud to announce their 2008 Student Internship Program. This program is designed to provide undergraduate students with professional experience concerning research that addresses Human-Wildlife Conflicts. There are a diverse array of internships available (8 in total) representing the numerous facets of research at the NWRC and its field stations. Those students selected by the NWRC staff will receive their funding from the Berryman Institute East and will be provided funds to travel to and from the internship site, and a salary. When applying, please indicate the internship for which you are applying.

**Undergraduate students should submit resume and cover letter for desired internship electronically (MS Word format) to Laura Andrews ([landrews@cfr.msstate.edu](mailto:landrews@cfr.msstate.edu)) by April 15, 2008. For details of each internship opportunity, visit our website ([http://www.cfr.msstate.edu/wildlife/berryman\\_grants.asp](http://www.cfr.msstate.edu/wildlife/berryman_grants.asp)).**

**Civilian Positions With The U.S. Department Of Army, Seattle District, Corps Of Engineers**

**Announcement Number:** 151-FCIP-08      **Announcement Closes:** **April 18, 2008.**

**Position:** Interdisciplinary, GS-7/9 target 11 Opt: BIOLOGIST – GS-0401

**Location:** Planning, Programs and Project Management Division, Planning Branch, Plan Formulation Section, 4735 East Marginal Way South, Seattle, Washington

**Description of Duties:** This position is developmental. Each grade level performs similar, progressively difficult and independent duties (see below) culminating with the following set of duties at the GS-11 level.

**Qualification Requirements:** Candidates must meet the minimum qualification requirements in the U.S. Office of Personnel Management Qualification Standards Handbook found at

<http://www.opm.gov/qualifications/SEC-IV/A/GS-PROF.asp>

**For additional information about this position contact:** Elizabeth Brown at (206) 764-3737 or email [elizabeth.a.brown2@us.army.mil](mailto:elizabeth.a.brown2@us.army.mil).

**Submit your complete application package to:** Department of Army Seattle District, Corps of Engineers  
P.O. Box 3755, Attn: Civilian Personnel Advisory Center (Elizabeth A. Brown), Seattle, WA 98124-3755,  
Fax: (206) 764-6685, Email: [elizabeth.a.brown2@us.army.mil](mailto:elizabeth.a.brown2@us.army.mil).

**The Idaho Department of Fish and Game** currently has an opening as **Fish Culturist** at **Stanley, Idaho**.

This announcement is open until **April 21, 2008**. The announcement is located at the following link:

[http://dhr.idaho.gov/dhrapp/stateJobs/jobannouncement.aspx?announcement\\_no=00810074010](http://dhr.idaho.gov/dhrapp/stateJobs/jobannouncement.aspx?announcement_no=00810074010).

Applications will only be accepted through this website.

**The Idaho Department of Fish and Game** currently has an opening as **Wildlife Technician** in **St.**

**Anthony, Idaho**. This announcement is open until **April 28, 2008**. The announcement is located at the following link:

[http://dhr.idaho.gov/dhrapp/stateJobs/jobannouncement.aspx?announcement\\_no=00794034703](http://dhr.idaho.gov/dhrapp/stateJobs/jobannouncement.aspx?announcement_no=00794034703).

Applications will only be accepted through this website.

### **Study Marine Biology at the Oregon Coast Summer 2008**

Oregon Institute of Marine Biology, Charleston, Oregon. For more information:

<http://www.uoregon.edu/~oimb>, email [oimb@uoregon.edu](mailto:oimb@uoregon.edu), or telephone 541-888-2581

**Application Deadline is May 1, 2008.**

### **Fisheries Biological Aide – 3 Positions**

**Idaho Department of Fish and Game, Region 7 - Salmon, ID**

**Announcement Closing Date: May 30, 2008 at 5:00 PM**

**Pay Rate:** \$8.00/hr

**Start Date:** Flexible, June 1, 2008.

**End Date:** 8/30/2008 (some flexibility allowed for returning college students) or longer (through October).

To Apply: Applicants must also register with Job Service of Idaho and send IDFG Application for Temporary Employment form and resume (including references) to: Chuck Warren, Regional Fishery Biologist, Anadromous Screen Program, Idaho Department of Fish and Game, P.O. Box 1336, Salmon, ID 83467. 208-756-6022 or email to [cwarren@idfg.idaho.gov](mailto:cwarren@idfg.idaho.gov).

**The New Jersey Chapter of the Wildlife Society** will award a **\$1,000 scholarship** in the summer of 2008 to a qualified undergraduate (preferred) or graduate student in wildlife or fisheries, or conservation education/communications (with at least 15 credits in biological sciences). Applicants must be permanent New Jersey residents, though students attending school out of state are eligible. If you have question about this scholarship, please contact Jim Sciascia or Mim Dunne at 908-637-4125 or email to

[jim.sciascia@dep.state.nj.us](mailto:jim.sciascia@dep.state.nj.us) or [miriam.dunne@dep.state.nj.us](mailto:miriam.dunne@dep.state.nj.us).

**Application Deadline is June 1, 2008.**

### **Biological Sciences Aid or Invasive Species Ecology Technician**

**Series/Grade:** GS-0404-03/04

**Start Date:** May-June 2008

**End Date:** August-September (Depending on when you go back to college)

**Location:** Eastern Oregon Agricultural Research Center

**Number of Positions:** 3

**To Apply:** Send an email or letter of interest and resume to the address below. List any pertinent classes in natural resources, rangeland science, botany, wildlife, soils, and environmental sciences. Brett Bingham, EOARC-Burns, 67826-A Hwy 205, Burns, OR 97720. [brett.bingham@oregonstate.edu](mailto:brett.bingham@oregonstate.edu). 541-573-8912.

<http://oregonstate.edu/dept/eoarc/>

### **Ecologically Based Invasive Plant Manager**

**Start Date:** May 2008

**End Date:** August-September 2008 (Dependent upon when you have to go back to school)

**Location:** Circle Bar Ranch, Mitchell, Oregon

**To Apply:** Send letters of interest and resume to address below. List any classes in range science, botany, soil sciences, wildlife, forestry, plant science, etc. Brett Bingham, EOARC-Burns, 67826-A Hwy 205, Burns, OR 97720. [brett.bingham@oregonstate.edu](mailto:brett.bingham@oregonstate.edu). 541-573-8912. <http://oregonstate.edu/dept/eoarc/>

### **Bureau of Land Management, Twin Falls District, Fire and Aviation**

Mailing address: 2536 Kimberly Road, Twin Falls, ID 83301.

Tasks will involve field work for inventory and monitoring in a variety of fuel types and vegetation communities. Work schedule is Monday through Thursday 10 hours per day with the opportunity to work overtime on days off. This is a temporary summer position not to exceed 1039 hours. Applicant must have completed work in ecology, biology, and be working towards a degree in a biological science or related field. For more information, contact Greg Mann, Fuels Management Specialist 208-736-2371, cell 208-312-1692, or [gregory\\_mann@blm.gov](mailto:gregory_mann@blm.gov).

### **Sawtooth National Forest**

#### **Hydrologic Technician (GS-1316)**

#### **Biological Science Technician (Natural Resources) (GS-0404)**

Two positions will be filled on the Minidoka Ranger District in Burley, Idaho for the 2008 field season from one or both of the job categories listed above. The positions will be filled at the GS 3, 4, or 5 level (\$11.34-\$14.24/hr, depending on experience) and will work from approximately May-August. To apply please send a resume or contact Mark Dallon directly. Email: [mdallon@fs.fed.us](mailto:mdallon@fs.fed.us); Phone: 208-677-8291; or Fax: 208-677-4878.

**Idaho Department of Environmental Quality (DEQ)** will be hiring **Environmental Technicians** to monitor Idaho's streams to evaluate water quality conditions. Pay \$11.00 per hour. Per Diem up to \$30.00 per field day. Crews may be required to furnish their own camping and cooking equipment. Crews are provided a State vehicle, monitoring equipment, as well as monitoring and CPR training. Applicants must be available mid-June through August, with some positions working May through October. Apply online at <http://www.deq.idaho.gov/Applications/hr/monitoring.cfm>. For more information contact Department of Environmental Quality, Human Resources, 1410 N. Hilton, Boise, ID 83706. Phone: 208-373-0479. Fax: 208-373-0169. [www.deq.idaho.gov](http://www.deq.idaho.gov).

**The Institute for Tropical Marine Ecology** is currently calling for applications to their Fall Semester 2008. In this intensive 12-week program of approximately 260 structured academic contact hours, students engage in 4 courses (AC 301: Natural History and Identification of Marine Organisms, AC 302: Principles of Tropical Marine Ecology, AC 303: Marine Research Methodology, and AC 304: Marine Resource Conservation). These courses provide the training for applied research projects in which each student participates. For those who cannot commit to a full semester, the 4-week Summer Program (AC 305: Tropical Marine Ecology and Conservation, AC 306: Caribbean Issues of Resource Management) offers an excellent alternative. Interested students should contact Mary Akers (Director of Admissions) at [admissions@itme.org](mailto:admissions@itme.org).



## *Weekly Announcements for April 20-26, 2008*

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

### *Faculty/Staff/Other Meetings*

There will be a **Biological Sciences Faculty Meeting** on **Tuesday, April 22, 2008**, at **12 noon** in the Speech Pathology building room **SPA 315**.

### *Seminars*

**Mark Bolinger**, graduate student with **Dr. Ken Rodnick**, will present his MS proposal seminar, "The Nature of Glycogen Storage and Breakdown in Rainbow Trout (*Oncorhynchus mykiss*) White Muscle, Ventricle, and Hepatic Tissue," **Thursday, April 24, 2008, at 12 Noon in the Lecture Center 10**.

**Mandira Manandhar**, graduate student with **Dr. Gene Scalarone**, will present his MS proposal seminar, "Evaluation of the Antigenic Properties of Six Different Isolates of *Blastomyces dermatitidis* from an Outbreak of Blastomycosis by Utilizing Colorimetric and Chemiluminescent ELISAs for the Detection of BAD-1 and Alpha 1-3 Glucan Antigens," **Thursday, April 24, 2008, at 12 Noon in the Lecture Center 10**.

**Nishant Mohan**, graduate student with **Dr. James Groome**, will present his MS defense seminar, "Domain Specific Regulation of Deactivation in Skeletal Muscle Sodium Channels," **Thursday, April 24, 2008, at 12 Noon in the Lecture Center 15/17**.

**Sarra Moller**, graduate student with **Dr. Ernest Keeley**, will present his MS defense seminar, "Trophic Biomass and Abundance Relationships in Streams of the Panther Creek Watershed, Idaho: Implications for Drift-Feeding Fishes," **Thursday, April 24, 2008, at 1 PM in the Lecture Center 15/17**.

**Dr. Lynn Clark, Iowa State University**, will present his seminar, "Bamboo: Evolution of the Forest Grasses," on **Thursday, April 24, 2008, at 4:00 PM in Lecture Center 10**.

**Sid Blackmore**, graduate student with **Dr. Gene Scalarone**, will present his MS defense seminar, "Effects of Thermal Treatment on an Actively Dechlorinating Microbial Community within a Chlorinated Solvent Contaminated Groundwater System," **Friday, April 25, 2008, at 3 PM in the Lecture Center 15/17**.

### *Publications*

**M. J. Walker, H. A. Bechtold, and C. V. Baxter**. Consequences of Recreational Land-use for Small Urban Fringe Watersheds: Are We Loving Them to Death?

### *Awards*

**Mark T. Bolinger**, Zoology major and B.S./M.S. student and also graduate student with Dr. Ken Rodnick, will be receiving the 2008 Outstanding Student Achievement Award from the College of Arts & Sciences - Natural Sciences & Mathematics. This, and other Outstanding Student Achievement Awards, will be presented by the ISU Alumni Association at the Red Lion Hotel on April 25, 2008.

The following Biological Science students presented at the **2008 ISU Undergraduate Research Symposium** held April 10, 2008, includes:

- **Heidi Albano** with co-author(s) **Nancy Huntly**, “Abundance of *Bromus tectorum* at Craters of the Moon National Monument and Preserve.” Sponsored by **Nancy Huntly**.
- **Devon Rasmussen**, “Induction and Detection of Antibodies in Immunized Rabbits with *Blastomyces dermatitidis* Yeast Phase Lysate Antigens.” Sponsored by **Gene Scalarone**.
- **Melinda Walker**, “Consequences of Recreational Landuse For Small Urban Fringe Streams: Are We Loving Them to Death?” Sponsored by **Colden Baxter**.
- **Joshua Bell** with co-author(s) **Joshua Ellis**, “Determination of Optimal Parameters for the Preparation of *Blastomyces dermatitidis* Yeast Phase Lysate Antigens.” Sponsored by **Gene Scalarone**.
- **Marie Bingham Adomako** with co-author(s) **Nancy Huntly**, “TRFLP Analysis of Fungal Diversity in the Rhizosphere of Arctic Plants” Sponsored by **Peter Sheridan**.
- **Mark Bolinger** with co-author(s) **Olav Sorensen**, **Kelli Harmon**, and **Kenneth Rodnick**, “Proglycogen and Macroglycogen in Cardiac, Hepatic, and White Skeletal Muscle Tissue in Male and Female Rainbow Trout (*Oncorhynchus mykiss*).” Sponsored by **Kenneth Rodnick**.
- **Benjamin Follett**, “Odontogenesis in Chicken Embryos.” Sponsored by **Trent Stephens**.
- **Annamarie Hofstetter** with co-author(s) **Devon Rasmussen**, “*Blastomyces dermatitidis*: A Comparative Evaluation of Two Yeast Lysate Antigens as Immunizing Agents.” Sponsored by **Gene Scalarone**.
- **Rick Holsten**, “Environmental Effects on Protein Structure.” Sponsored by **Caryn Evilia**.
- **Ryan Patterson**, “Isoelectric Focusing Comparative Studies on Yeast Phase Lysate Antigens Produced from Two Animal Isolates of *Blastomyces dermatitidis*.” Sponsored by **Gene Scalarone**.
- **James Smith**, “Detection of Antibodies to *Blastomyces dermatitidis* in Dogs with Blastomycosis: Comparative Evaluations of Two Immunoassays.” Sponsored by **Gene Scalarone**.

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## *Summer Opportunities*

The Idaho Department of Fish and Game currently has an opening as **Fish Culturist** at **Stanley, Idaho**.

This announcement is open until **April 21, 2008**. The announcement is located at the following link:

[http://dhr.idaho.gov/dhrapp/stateJobs/jobannouncement.aspx?announcement\\_no=00810074010](http://dhr.idaho.gov/dhrapp/stateJobs/jobannouncement.aspx?announcement_no=00810074010).

Applications will only be accepted through this website.

The Idaho Department of Fish and Game currently has an opening as **Wildlife Technician** in **St. Anthony, Idaho**.

This announcement is open until **April 28, 2008**. The announcement is located at the following link:

[http://dhr.idaho.gov/dhrapp/stateJobs/jobannouncement.aspx?announcement\\_no=00794034703](http://dhr.idaho.gov/dhrapp/stateJobs/jobannouncement.aspx?announcement_no=00794034703).

Applications will only be accepted through this website.

The USDA, Agricultural Research Service, Small Grain and Potato Germplasm Research Unit in

**Aberdeen, ID**, is seeking a summer intern with an ability to use laboratory methods and equipment to perform routine compositional analysis of cereal grains. This is a temporary, full-time position. The starting and ending dates will be approximately between June 1 and August 20, 2008 and can be a little flexible. Undergraduate students with a major in chemistry, biochemistry, biology, or an equivalent are encouraged to apply. Please send your resume with a list of science courses taken and 3 references (name and phone No.) or inquiry to Dr. Keshun Liu at [keshun.liu@ars.usda.gov](mailto:keshun.liu@ars.usda.gov). Applications must be received by **April 30, 2008**.

**Study Marine Biology at the Oregon Coast Summer 2008**

Oregon Institute of Marine Biology, Charleston, Oregon. For more information:

<http://www.uoregon.edu/~oimb>, email [oimb@uoregon.edu](mailto:oimb@uoregon.edu), or telephone 541-888-2581

Application Deadline is **May 1, 2008**.



### **Fisheries Biological Aide – 3 Positions**

**Idaho Department of Fish and Game, Region 7 - Salmon, ID**

**Announcement Closing Date: May 30, 2008**

**Pay Rate:** \$8.00/hr

**Start Date:** Flexible, June 1, 2008.

**End Date:** 8/30/2008 (some flexibility allowed for returning college students) or longer (through October).

To Apply: Applicants must also register with Job Service of Idaho and send IDFG Application for Temporary Employment form and resume (including references) to: Chuck Warren, Regional Fishery Biologist, Anadromous Screen Program, Idaho Department of Fish and Game, P.O. Box 1336, Salmon, ID 83467. 208-756-6022 or email to [cwarren@idfg.idaho.gov](mailto:cwarren@idfg.idaho.gov).

**The New Jersey Chapter of the Wildlife Society** will award a **\$1,000 scholarship** in the summer of 2008 to a qualified undergraduate (preferred) or graduate student in wildlife or fisheries, or conservation education/communications (with at least 15 credits in biological sciences). Applicants must be permanent New Jersey residents, though students attending school out of state are eligible. If you have question about this scholarship, please contact Jim Sciascia or Mim Dunne at 908-637-4125 or email to [jim.sciascia@dep.state.nj.us](mailto:jim.sciascia@dep.state.nj.us) or [miriam.dunne@dep.state.nj.us](mailto:miriam.dunne@dep.state.nj.us).

**Application Deadline is June 1, 2008.**

### **Bureau of Land Management, Twin Falls District, Fire and Aviation**

Mailing address: 2536 Kimberly Road, Twin Falls, ID 83301.

Tasks will involve field work for inventory and monitoring in a variety of fuel types and vegetation communities. Work schedule is Monday through Thursday 10 hours per day with the opportunity to work overtime on days off. This is a temporary summer position not to exceed 1039 hours. Applicant must have completed work in ecology, biology, and be working towards a degree in a biological science or related field. For more information, contact Greg Mann, Fuels Management Specialist 208-736-2371, cell 208-312-1692, or [gregory\\_mann@blm.gov](mailto:gregory_mann@blm.gov).

### **Sawtooth National Forest**

#### **Hydrologic Technician (GS-1316)**

#### **Biological Science Technician (Natural Resources) (GS-0404)**

Two positions will be filled on the Minidoka Ranger District in Burley, Idaho for the 2008 field season from one or both of the job categories listed above. The positions will be filled at the GS 3, 4, or 5 level (\$11.34-\$14.24/hr, depending on experience) and will work from approximately May-August. To apply please send a resume or contact Mark Dallon directly. Email: [mdallon@fs.fed.us](mailto:mdallon@fs.fed.us); Phone: 208-677-8291; or Fax: 208-677-4878.

**Idaho Department of Environmental Quality (DEQ)** will be hiring **Environmental Technicians** to monitor Idaho's streams to evaluate water quality conditions. Pay \$11.00 per hour. Per Diem up to \$30.00 per field day. Crews may be required to furnish their own camping and cooking equipment. Crews are provided a State vehicle, monitoring equipment, as well as monitoring and CPR training. Applicants must be available mid-June through August, with some positions working May through October. Apply online at <http://www.deq.idaho.gov/Applications/hr/monitoring.cfm>. For more information contact Department of Environmental Quality, Human Resources, 1410 N. Hilton, Boise, ID 83706. Phone: 208-373-0479. Fax: 208-373-0169. [www.deq.idaho.gov](http://www.deq.idaho.gov).

**The Institute for Tropical Marine Ecology** is currently calling for applications to their Fall Semester 2008. In this intensive 12-week program of approximately 260 structured academic contact hours, students engage in 4 courses (AC 301: Natural History and Identification of Marine Organisms, AC 302: Principles of Tropical Marine Ecology, AC 303: Marine Research Methodology, and AC 304: Marine Resource Conservation). These courses provide the training for applied research projects in which each student

participates. For those who cannot commit to a full semester, the 4-week Summer Program (AC 305: Tropical Marine Ecology and Conservation, AC 306: Caribbean Issues of Resource Management) offers an excellent alternative. Interested students should contact Mary Akers (Director of Admissions) at [admissions@itme.org](mailto:admissions@itme.org).



## *Weekly Announcements for April 27-May 3, 2008*

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

### *Faculty/Staff/Other Meetings*

There will be a **Biological Sciences Faculty Meeting** on **Tuesday, April 29, 2008**, at **12 noon** in the Speech Pathology building room **SPA 315**.

### *Seminars*

**Jared Rex Wortham**, graduate student with **Dr. Linda DeVeaux**, will present his MS proposal seminar, "DNA Repair Kinetics in Persistent vs. Normal Cells in *Deinococcus radiodurans*," on **Thursday, May 1, 2008**, at **12 noon** in **Lecture Center 10**.

**Scott Cambrin**, graduate student of **Dr. Charles Peterson**, will present his MS defense seminar, "Body Condition and Over-winter Survival in Neonatal Western Rattlesnakes: an Experimental Test," on **Friday, May 2, 2008**, at **1 PM** in **Lecture Center 15/17**.

### *Grant Awards*

2009 Technology Grant - SBOE - Virtual Laboratory for Anatomy & Physiology - \$55,200.00.  
**Dr. Carolyn J.W. Bunde**, Bernadette M. Howlett, & **Susan E. Galindo**.

### *Awards*

**Dr. Curt Anderson** has been elected a Biological Sciences representative to the Undergraduate Research Committee for a three-year term.

**Dr. Shawn Bearden** has been elected for a three-year term as Biological Sciences representative to the Faculty Senate.

**Dr. Pete Sheridan** has been elected to a three-year term as the "Floating" representative on the Curriculum Council.

At the annual spring banquet of the ISU Chapter of Sigma Xi Scientific Research Society held April 18, 2008, **Dr. Rosemary J. Smith** was presented with the the Bigelow Award for outstanding service to the scientific community. The Bigelow Award is presented to a scientist or engineer who embodies Sigma Xi's mission in science and engineering education and promoting the public understanding of science.

Eleven ISU students are recipients of the 2008 Outstanding Student Achievement Awards which are presented by the ISU Alumni Association and ISU Ambassadors. The winner for the College of Arts and Sciences, Natural Sciences and Mathematics is **Mark Bolinger** of American Falls who will receive a Bachelor of Science degree in **Zoology** this spring. Bolinger has a 3.98 GPA. He has been active in the Marching Band and Pep Band, Symphonic Band, Jazz Band and the Clarinet Choir. He is a peer instructor for the ISU First Year Seminar Program and a TRiO supplemental instruction leader for organic chemistry. He has been an Associated Students of ISU senator for three years and has served as Senate Pro Tem since 2007. He has served as president for the ISU Mortar Board and has been an ISU Ambassador.

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## Travel

**Jeff Meldrum** will be traveling to China, April 28-May 9, 2008, to help produce a documentary for the History Channel about China's Wildman, the Yeren. They will be collaborating with anthropologist Zhou Gouxing, Peking Museum of Natural History, and provincial scientists in Hubei, where they will spend a week filming in the Shennogjia Nature Reserve.

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## Summer Opportunities

**The USDA, Agricultural Research Service, Small Grain and Potato Germplasm Research Unit in Aberdeen, ID**, is seeking a summer intern with an ability to use laboratory methods and equipment to perform routine compositional analysis of cereal grains. This is a temporary, full-time position. The starting and ending dates will be approximately between June 1 and August 20, 2008, and can be a little flexible. Undergraduate students with a major in chemistry, biochemistry, biology, or an equivalent are encouraged to apply. Please send your resume with a list of science courses taken and 3 references (name and phone No.) or inquiry to Dr. Keshun Liu at [keshun.liu@ars.usda.gov](mailto:keshun.liu@ars.usda.gov). Applications must be received by **April 30, 2008**.

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<http://www.uoregon.edu/~oimb>, email [oimb@uoregon.edu](mailto:oimb@uoregon.edu), or telephone 541-888-2581

**Application Deadline is May 1, 2008.**

The **Idaho Department of Fish and Game** has an opening for a **Biologist, Fishery Research Principal** located in **Coeur d'Alene, Idaho**, office. Open until **May 7, 2008**. The announcement is located at the following link:

[http://dhr.idaho.gov/dhrapp/stateJobs/jobannouncement.aspx?announcement\\_no=00947088684](http://dhr.idaho.gov/dhrapp/stateJobs/jobannouncement.aspx?announcement_no=00947088684).

Applications will only be accepted through this website.

### **Nez Perce Tribe Wildlife Management Program, Bighorn Sheep Recovery Project.**

**Announcement Closing Date May 15, 2008**

Wildlife Technician III position for the Salmon River Bighorn Sheep Recovery Project. The project is a 5-year interagency research effort to better understand status, distribution, and movements of native bighorn sheep herds within the Salmon River canyon of central Idaho. Full-time position with current funding for a 1-year appointment starting approximately June 2008. The Nez Perce Tribal Application can be downloaded by contacting [www.nezperce.org](http://www.nezperce.org), then selecting job opportunities. Send completed applications (Nez Perce Tribal application, three letters of reference, and resume) to Nez Perce Tribe Bighorn Sheep Recovery, Bighorn Sheep Technician III, P. O. Box 1922, McCall, ID 83638. For additional information contact Nez Perce Tribe Bighorn Recovery at 208-634-1061, fax 208-634-4007.

### **Fisheries Biological Aide – 3 Positions**

**Idaho Department of Fish and Game, Region 7 - Salmon, ID**

**Announcement Closing Date: May 30, 2008**

**Pay Rate:** \$8.00/hr

**Start Date:** Flexible, June 1, 2008.

**End Date:** 8/30/2008 (some flexibility allowed for returning college students) or longer (through October).

To Apply: Applicants must also register with Job Service of Idaho and send IDFG Application for Temporary Employment form and resume (including references) to: Chuck Warren, Regional Fishery Biologist, Anadromous Screen Program, Idaho Department of Fish and Game, P.O. Box 1336, Salmon, ID 83467. 208-756-6022 or email to [cwarren@idfg.idaho.gov](mailto:cwarren@idfg.idaho.gov).

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## *Weekly Announcements for April 6-12, 2008*

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

### *Faculty/Staff/Other Meetings*

There will NOT be a **Biological Sciences Faculty Meeting** on **Tuesday, April 8, 2008**.

### *Seminars*

**Dr. Frank Messina, Utah State University**, will present his seminar, "Rapid Adaptation To An Unsuitable Host By A Seed Beetle: Larval Performance vs. Adult Behavior," on **Thursday, April 10, 2008, at 4:00 PM** in **Lecture Center 10**.

### *Awards*

The Department of Biological Sciences is pleased to announce the promotion of several of our faculty:

**Dr. Maureen Brandon** - Professor

**Dr. James R. Groome** - Associate Professor with tenure

**Dr. Michael Thomas** - Associate Professor with tenure

**Dr. Charles "Rick" Williams** - Associate Professor with tenure

Meg Salness Fleishmann (Department of Biological Sciences graduate in 1997, former ISU basketball player, and a teacher at Century High School) and **Ken Rodnick** have been awarded a "Partners in Science Program" grant from the M. J. Murdock Charitable Trust for 15K. This award creates a high school – college/university research partnership and provides high school teachers the opportunity (for two summers) to conduct and present research, and revitalize their teaching efforts.

**John (Jack) W. Connelly** was selected by the University of Idaho College of Natural Resources to receive a CNR Honor Alumni Award for 2008. The Honor Alumni Award is presented to alumni who have achieved career-long distinction. Jack is currently a principal wildlife research biologist for the Idaho Department of Fish and Game and is affiliate faculty for Biological Sciences.

### *Publications*

J. M. Perkel, "Genomic Biomarker Discovery: Bringing The Genome To Life," *Science*, 319:1853, Mar. 28, 2008. [[http://www.sciencemag.org/products/1st\\_20080328.dtl](http://www.sciencemag.org/products/1st_20080328.dtl)]

Connon S. A., Koski A. K., Neal A. L., Wood S. A., **Magnuson T. S.** 2008. Ecophysiology and geochemistry of microbial arsenic oxidation within a high arsenic, circumneutral hot spring system of the Alvord Desert. *FEMS Microbiol Ecol.* 64(1):117-28.

### *Presentations*

**John Kie** gave a presentation in a special symposium and also chaired a session of contributed papers at the annual meeting of the U.S. Chapter of the International Association of Landscape Ecologists in Madison, Wisconsin, April 6-9, 2008. His talk was entitled, "Using animal movement patterns to reveal life history events: parturition in mule deer."



**Colden Baxter, Amy Marcarelli, Heather Bechtold, and Madeleine Mineau** traveled to Utah State University March 31-April 1 to participate in the Spring Runoff Conference, USU's 4<sup>th</sup> annual interdisciplinary water conference, "Water Science and Water Management in a Water-Short West." Their presentations included:

**Amy Marcarelli**, "Measures of ecosystem function complement water quality in a polluted, spring-influenced river." (co-authors Jessica Hopkins, Heather Bechtold, Colden Baxter and Richard Inouye)

**Madeleine Mineau**, "Aquatic effects of a terrestrial invader: A 35-year natural experiment shows russian olive alters basal resources and community metabolism of a desert spring stream." (co-authors Colden Baxter, Amy Marcarelli and G. Wayne Minshall)

**Heather Bechtold**, "A spatially nested analysis of land use effects on nutrient limitation: C and N interact to control autotrophic and heterotrophic responses." (co-authors Amy Marcarelli, Colden Baxter and Richard Inouye)

**Dr. Tim Magnuson** was invited to the University of Idaho to give a seminar, "Discovering the Power of Microbes for Remediation and Energy," for the Microbiology, Molecular Biology, and Biochemistry Department.

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## *Summer Opportunities*

**The Berryman Institute East and the National Wildlife Research Center (NWRC)** are proud to announce their 2008 Student Internship Program. This program is designed to provide undergraduate students with professional experience concerning research that addresses Human-Wildlife Conflicts. There are a diverse array of internships available (8 in total) representing the numerous facets of research at the NWRC and its field stations. Those students selected by the NWRC staff will receive their funding from the Berryman Institute East and will be provided funds to travel to and from the internship site, and a salary. When applying, please indicate the internship for which you are applying.

**Undergraduate students should submit resume and cover letter for desired internship electronically (MS Word format) to Laura Andrews ([landrews@cfr.msstate.edu](mailto:landrews@cfr.msstate.edu)) by 4/15/08. For details of each internship opportunity, visit our website ([http://www.cfr.msstate.edu/wildlife/berryman\\_grants.asp](http://www.cfr.msstate.edu/wildlife/berryman_grants.asp)).**

### **Civilian Positions With The U.S. Department Of Army, Seattle District, Corps Of Engineers**

**Announcement Number:** 151-FCIP-08      **Announcement Closes:** **April 18, 2008.**

**Position:** Interdisciplinary, GS-7/9 target 11 Opt: BIOLOGIST – GS-0401

**Location:** Planning, Programs and Project Management Division, Planning Branch, Plan Formulation Section, 4735 East Marginal Way South, Seattle, Washington

**Description of Duties:** This position is developmental. Each grade level performs similar, progressively difficult and independent duties (see below) culminating with the following set of duties at the GS-11 level.

**Qualification Requirements:** Candidates must meet the minimum qualification requirements in the U.S. Office of Personnel Management Qualification Standards Handbook found at

<http://www.opm.gov/qualifications/SEC-IV/A/GS-PROF.asp>

**For additional information about this position contact:** Elizabeth Brown at (206) 764-3737 or email [elizabeth.a.brown2@us.army.mil](mailto:elizabeth.a.brown2@us.army.mil).

**Submit your complete application package to:** Department of Army Seattle District, Corps of Engineers P.O. Box 3755, Attn: Civilian Personnel Advisory Center (Elizabeth A. Brown), Seattle, WA 98124-3755, Fax: (206) 764-6685, Email: [elizabeth.a.brown2@us.army.mil](mailto:elizabeth.a.brown2@us.army.mil).

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**Application Deadline is June 1, 2008.**

### **Biological Sciences Aid or Invasive Species Ecology Technician**

**Series/Grade:** GS-0404-03/04

**Start Date:** May-June 2008

**End Date:** August-September (Depending on when you go back to college)

**Location:** Eastern Oregon Agricultural Research Center

**Number of Positions:** 3

**To Apply:** Send an email or letter of interest and resume to the address below. List any pertinent classes in natural resources, rangeland science, botany, wildlife, soils, and environmental sciences. Brett Bingham, EOARC-Burns, 67826-A Hwy 205, Burns, OR 97720. [brett.bingham@oregonstate.edu](mailto:brett.bingham@oregonstate.edu). 541-573-8912. <http://oregonstate.edu/dept/eoarc/>

### **Ecologically Based Invasive Plant Manager**

**Start Date:** May, 2008

**End Date:** August-September 2008 (Dependent upon when you have to go back to school)

**Location:** Circle Bar Ranch, Mitchell, Oregon

**To Apply:** Send letters of interest and resume to address below. List any classes in range science, botany, soil sciences, wildlife, forestry, plant science, etc. Brett Bingham, EOARC-Burns, 67826-A Hwy 205, Burns, OR 97720. [brett.bingham@oregonstate.edu](mailto:brett.bingham@oregonstate.edu). 541-573-8912. <http://oregonstate.edu/dept/eoarc/>

### **Bureau of Land Management, Twin Falls District, Fire and Aviation**

Mailing address: 2536 Kimberly Road, Twin Falls, ID 83301.

Tasks will involve field work for inventory and monitoring in a variety of fuel types and vegetation communities. Work schedule is Monday through Thursday 10 hours per day with the opportunity to work overtime on days off. This is a temporary summer position not to exceed 1039 hours. Applicant must have completed work in ecology, biology, and be working towards a degree in a biological science or related field. For more information, contact Greg Mann, Fuels Management Specialist 208-736-2371, cell 208-312-1692, or [gregory\\_mann@blm.gov](mailto:gregory_mann@blm.gov).

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**The Wildlife Conservation Society** is seeking **2 Seasonal Biological Technicians** to participate in a Greater sage grouse study in SE Idaho. The study is located on the Idaho National Laboratory and adjacent public lands. The positions begin immediately and last through the end of June 2008 with possibility for extension pending future funding. Technicians will be paid \$450/week depending on experience. Housing may be provided. **Positions open until filled.** Send cover letter and resume with contact information via email to: [khowe@wcs.org](mailto:khowe@wcs.org).

Kristy Howe, Field Coordinator/Sagebrush-steppe Ecology Project  
North American Program, Greater Yellowstone Region, Wildlife Conservation Society

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### Faculty/Staff/Other Meetings

There will **NOT** be a Biological Sciences Faculty Meeting on **Tuesday, February 12, 2008.**

### Seminars

**Dr. Jean Pfau, University of Montana, A & P Assistant Professor Candidate**, will present her seminar, "Mechanisms of Induction and Pathogenesis in Asbestos-Associated Autoimmunity," on **Monday, February 11, 2008, at 4:00 p.m. in Lecture Center 10.**

**Dr. Georg Halder, University of Texas M.D. Anderson Cancer Center**, will present his seminar, "Mysteries in Growth Control," on **Tuesday, February 12, 2008, at 12 noon in Lecture Center 10.**

**Dr. May Berenbaum, chair, Department of Entomology, University of Illinois at Urbana-Champaign**, has been named the first annual Idaho State University Darwin Day speaker. The event will be held on **February 14, 2008, at 6 p.m. in Lecture Center 10.** Dr. Berenbaum's talk is titled, "Parsnip Webworms and Wild Parsnips: When Interactions Go International. She will address the topics of micro-evolution and co-speciation for a general audience." Idaho State University's Darwin Day Celebration is hosted by the Biology Graduate Students with support from the Cultural Affairs Council. All are invited to attend. For more information, please contact BGS President Kelsey Metzger at [metzkels@isu.edu](mailto:metzkels@isu.edu) or (218)779-9196.

**Dr. Rick Allen, University of Idaho**, will present a joint Geology/Biology seminar, "Evapotranspiration from Satellite-based Surface Energy Balance: Background and Applications in Idaho," **Wednesday, February 13, 2008, at 12:30 p.m. in the Physical Sciences Building.** Anyone interested in meeting with Dr. Allen should contact Dr. Leif Tapanila at [tapaleif@isu.edu](mailto:tapaleif@isu.edu).

### Publications

Lynn G. Clark, Chris D. Tyrell, Jimmy K. Triplett, and **Amanda E. Fisher**. 2007. A new species of *Chusquea* sect. *Verticillatae* (Poaceae: Bambusoideae) from Ecuador. *J. Bot. Res. Inst. Texas* 1(2): 847 – 851.

Gunnell, K., Tada, M. K., Hawthorne, F. A., **Keeley, E. R.** and Ptacek, M. B. 2008. Geographic patterns of introgressive hybridization between native Yellowstone cutthroat trout (*Oncorhynchus clarkii bouvieri*) and introduced rainbow trout (*O. mykiss*) in the South Fork of the Snake River watershed, Idaho. *Conservation Genetics* 9: 49-64.

### Presentations

**James Groome** presented, "Fast and Slow Modes of Deactivation in Sodium Channels," authored by Nishant Mohan and James Groome, at the Biophysical Society Meetings in Long Beach, CA, February 6, 2007.

## *Graduate Student Opportunities*

### **Graduate Students in K-12 Education (GK-12)**

**FALL 2008-2009 APPLICATIONS DUE FEBRUARY 12, 2008**

**APPLICATION AVAILABLE AT:** <http://www.isu.edu/departments/gradk12/apply.html>

**ELIGIBILITY:** Graduate Fellows are selected from ISU's College of Engineering, Technology and Arts and Sciences (Biological Sciences, Geosciences, Chemistry and Math). Students must be a full-time ISU graduate student during the 2008-2009 school year.

**STIPEND:** Graduate fellows receive \$30,000 plus tuition and fees for the 2008-2009 school year.

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## *Job Opportunities*

**EMI-NM** is seeking a Technical Editor/Writer with a natural resources education and familiarity with NEPA to be stationed at the BLM office in Idaho Falls for a full time position.

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## *Summer Opportunities*

### **Marine Science Internships in Oregon for Summer 2008.**

Program runs from June 16-August 22, 2008, at the Hatfield Marine Science Center in Newport and at the College of Oceanic and Atmospheric Sciences in Corvallis.

**Eligibility:** Currently enrolled undergraduates who have by June 2008 completed at least two years of coursework may apply. Learn more and apply on line at <http://www.hmsc.oregonstate.edu/REU>.

**Application Deadline is February 15, 2008.**

### **Biological Science Technician (Wildlife)**

**Four positions** are available in Idaho on the **Payette National Forest**

**Dates:** May 1-August 31, 2008

**To Apply:** Send email with attached cover letter and resume, including three references, to Jon Dudley ([jdudley@fs.fed.us](mailto:jdudley@fs.fed.us)). For more information: <http://www.rmrs.nau.edu/lab/4251/birdsburns/>.

**Application Deadline is February 15, 2008.**

### **Land Stewardship & Ecological Monitoring Internship**

Lava Lake Land & Livestock, LLC

Hailey, Idaho

**Dates:** June 1-August 31, 2008

**To Apply:** Send a cover letter, resume, and contact information for three references to: Tess O'Sullivan, Program Manager for Science and Conservation, Lava Lake Land & Livestock, P. O. Box 2249, Hailey, Idaho 83333. [tess@lavalake.net](mailto:tess@lavalake.net). For more information: <http://www.lavalakelamb.com/conservation.php>.

**Application Deadline is March 1, 2008.**

### **Study Marine Biology at the Oregon Coast Summer 2008**

Oregon Institute of Marine Biology, Charleston, Oregon. For more information:

<http://www.uoregon.edu/~oimb>, email [oimb@uoregon.edu](mailto:oimb@uoregon.edu), or telephone 541-888-2581

**Application Deadline is May 1, 2008.**

**The New Jersey Chapter of The Wildlife Society** will award a **\$1,000 scholarship** in the summer of 2008 to a qualified undergraduate (preferred) or graduate student in wildlife or fisheries, or conservation education/communications (with at least 15 credits in biological sciences). Applicants must be permanent New Jersey residents, though students attending school out of state are eligible. If you have question about this scholarship, please contact Jim Sciascia or Mim Dunne at 908-637-4125 or email to

[jim.sciascia@dep.state.nj.us](mailto:jim.sciascia@dep.state.nj.us) or [miriam.dunne@dep.state.nj.us](mailto:miriam.dunne@dep.state.nj.us).

**Application Deadline is June 1, 2008.**

### **Biological Sciences Aid or Invasive Species Ecology Technician**

**Series/Grade:** GS-0404-03/04



**Start Date:** May-June 2008

**End Date:** August-September (Depending on when you go back to college)

**Location:** Eastern Oregon Agricultural Research Center

**Number of Positions:** 3

**To Apply:** Send an email or letter of interest and resume to the address below. List any pertinent classes in natural resources, rangeland science, botany, wildlife, soils, and environmental sciences. Brett Bingham, EOARC-Burns, 67826-A Hwy 205, Burns, OR 97720. [brett.bingham@oregonstate.edu](mailto:brett.bingham@oregonstate.edu). 541-573-8912. <http://oregonstate.edu/dept/eoarc/>

### **Ecologically Based Invasive Plant Manager**

**Start Date:** May, 2008

**End Date:** August-September 2008 (Dependent upon when you have to go back to school)

**Location:** Circle Bar Ranch, Mitchell, Oregon

**To Apply:** Send letters of interest and resume to address below. List any classes in range science, botany, soil sciences, wildlife, forestry, plant science, etc. Brett Bingham, EOARC-Burns, 67826-A Hwy 205, Burns, OR 97720. [brett.bingham@oregonstate.edu](mailto:brett.bingham@oregonstate.edu). 541-573-8912. <http://oregonstate.edu/dept/eoarc/>

### **Bureau of Land Management, Twin Falls District, Fire and Aviation**

Mailing address: 2536 Kimberly Road, Twin Falls, ID 83301.

Tasks will involve field work for inventory and monitoring in a variety of fuel types and vegetation communities. Work schedule is Monday through Thursday 10 hours per day with the opportunity to work overtime on days off. This is a temporary summer position not to exceed 1039 hours. Applicant must have completed work in ecology, biology, and be working towards a degree in a biological science or related field. For more information, contact Greg Mann, Fuels Management Specialist 208-736-2371, cell 208-312-1692, or [gregory\\_mann@blm.gov](mailto:gregory_mann@blm.gov).

### **Biological Science Technician, Craters of the Moon National Monument and Preserve, Arco, ID Vacancy Announcement # HRFS 08-168 (SR173340)**

**Salary Range:** 12.73 - 16.55 USD Hourly

**Application dates:** February 7, 2008 - February 20, 2008

**For more information:** HR Support, (888)279-9193

**Email:** WASO\_HRFranchise\_Seasonal@nps.gov

This announcement will be used to fill 4 positions. These positions are located at Craters of the Moon National Monument and Preserve in Arco, Idaho. These positions are seasonal temporary positions, with full-time work not to exceed 1039 hours in a service year. Under this type of appointment, selectee(s) may be eligible to be rehired in future seasons.

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### **Biological Science Technician, Craters of the Moon National Monument and Preserve, Arco, ID Vacancy Announcement # PWRSEA-2008-12**

**Salary Range:** 15.88 - 15.88 USD Hourly

**Application dates:** February 4, 2008 - February 19, 2008



**For more information:** Human Resources, (206)220-4053

**Email:** WASO\_HRFranchise\_Seasonal@nps.gov

Position is biological science technician, GS-404-06, located at Craters of the Moon National Monument in Arco, Idaho. This is a full-time, temporary, not-to-exceed 1039 hours position. Open to all qualified U.S. citizens.



## *Weekly Announcements for February 17-23, 2008*

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

### *Faculty/Staff/Other Meetings*

There will be a **Biological Sciences Faculty Meeting** on **Tuesday, February 19, 2008**, at **12 noon** in the Speech Pathology building room **SPA 315**.

### *Seminars*

**Rachel Malison**, graduate student with **Dr. Colden Baxter**, will present her M.S. defense seminar, "Effects of wildfire on aquatic insect assemblages, emerging adult insects, and riparian consumers in a wilderness watershed," **Tuesday, February 19, 2008**, at **2:30 p.m.** in **Lecture Center 10**.

**Hilary Billman**, graduate student with **Dr. Charles Peterson**, will present her M.S. research proposal seminar, "Effects of Fish Restoration on Amphibian Populations in Yellowstone National Park and Southwestern Montana," on **Thursday, February 21, 2008**, at **noon** in **Lecture Center 10**.

**Kristy Howe**, graduate student with **Dr. David Delehanty**, will present her M.S. proposal seminar, "Greater Sage Grouse Nest Success and Incubation Constant in Relation to Common Raven Abundance," on **Thursday, February 21, 2008**, at **noon** in **Lecture Center 10**.

**Dr. Todd Koel, Yellowstone National Park**, will present his seminar, "An Aquatic Resources Report Card for Yellowstone National Park," on **Thursday, February 21, 2008**, at **4:00 p.m.** in **Lecture Center 10**.

**Dr. Vicenta Salvador-Recatala, Marine Biological Lab, Woods Hole, A & P Assistant Professor Candidate**, will present her seminar, "Atypical modulation of a conventional ion channel subunit from the human parasite *Schistosoma mansoni*," on **Tuesday, February 26, 2008**, at **4:00 p.m.** in **Lecture Center 10**.

### *Other*

**The Portneuf Student Unit of the American Fisheries Society** is selling raffle tickets for a sockeye print. Ticket prices are 1 ticket for \$1, 6 tickets for \$5, and 25 tickets for \$20. Money will help support students attending the Idaho State Chapter annual meeting in Post Falls, purchase of a 350 gallon fish tank for a native fish display in the biology building lobby, watershed restoration efforts in the Portneuf Watershed, and Fisheries education.



### *Presentations*

Idaho State University was strongly represented at the annual meeting of the Idaho Chapter of the American Fisheries Society in Post Falls, February 6-8, 2008. Highlights included the following:

- ISU Biology Graduate Student, **Ryan Bellmore**, was awarded this year's Idaho AFS Graduate Student Scholarship. He was also awarded the 'Best Student Paper' award at the meeting for his presentation, "Floodplain contributions to basal resources and retention in montane rivers: Comparison of dredge-mined to reference segments." Ryan, who has been serving as the president of the ISU student chapter

of the AFS, is a masters student advised by **Dr. Colden Baxter**.

- ISU Biology Associate Professor, **Dr. Ernest Keeley**, was elected Vice President of the Chapter for the coming year.
- ISU Mathematics Associate Professor, Rob Van Kirk, was awarded the coveted annual “R. L. Wallace Native Fish Conservationist of the Year” award for his leadership in native fish conservation.

ISU Presentations at the 2008 Idaho Chapter American Fisheries Society Meeting:

- **Bellmore, J. R., C. V. Baxter, and A. Ray.** “Floodplain contributions to basal resources and retention in montane rivers: Comparison of dredge-mined to reference segments.”
- **Benjamin, J. R. and C. V. Baxter.** “Do nonnative brook trout exhibit higher density, biomass and annual production than native cutthroat trout? A call for meta-analysis.”
- **Keeley, E.** “Building the virtual museum: using digital photography to document fish populations for conservation and education purposes.”
- **Malison, R. L. and C. V. Baxter.** “Comparison of benthic and emergent insect community composition in streams affected by wildfire of varying burn severity.”
- Van Kirk, R. “Implications of climate change to fish communities in mainstem systems”

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Hailey, Idaho

**Dates:** June 1-August 31, 2008

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### **Sawtooth National Forest Fisheries Summer Positions**

6 volunteer positions (\$19/day stipend) and 2 supervisory GS-5 or GS-6 paid employees (414.24-\$15.88/hr) Some starting late May and others starting in late June. Each position lasts 8 to 14 weeks

For more information, please contact Jeb Wofford ([jwofford@fs.fed.us](mailto:jwofford@fs.fed.us)) or Dan Kenney ([dkenney@fs.fed.us](mailto:dkenney@fs.fed.us)). Resumes (please include a transcript) and cover letters can be mailed to Jeb Wofford at: Sawtooth National Recreation Area, 5 North Fork Canyon Road, Ketchum, ID 83340 or to Dan Kenney at: Sawtooth National Forest, P. O. Box 189, Fairfield, ID 83327. Please indicate whether you are interested in a volunteer or paid position and what time period you would potentially be available. **Resumes would be most timely if received by March 14, 2008.**

### **Cooperative North American Shotgunning Education Program**

#### **Research Assistant Position**

**Duty Station:** Klamath Falls, Oregon

**Fee:** \$1020 biweekly

**Additional Compensatory Pay:** \$300 per month

**On-The-Job Mileage:** 40 cents per mile

Expenses and Other Benefits

Job begins as close as possible to September 8, 2008, (negotiable), and ends February 28, 2009. May be extended if need arises, CONSEP Board and applicant are willing, and funding becomes available. For further details, contact Tom Roster at 541-994-2084 or [tomroster@charter.net](mailto:tomroster@charter.net). **Postmark resume, references (with current phone number for each), transcripts and letter of interest by April 4, 2008** to Tom Roster, CONSEP, 1190 Lynnewood Blvd., Klamath Falls, OR 97601.





## *Weekly Announcements for February 24-March 1, 2008*

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### *Faculty/Staff/Other Meetings*

There will be a **Biological Sciences Faculty Meeting** on **Tuesday, February 26, 2008**, at **12 noon** in the Speech Pathology building room **SPA 315**.

### *Seminars*

**Dr. Vicenta Salvador-Recatala**, Marine Biological Lab, Woods Hole, A & P Assistant Professor **Candidate**, will present her seminar, "Atypical modulation of a conventional ion channel subunit from the human parasite *Schistosoma mansoni*," on **Tuesday, February 26, 2008**, at **4:00 p.m.** in **Lecture Center 10**.

**John Thorne**, graduate student with **Dr. Peter Sheridan**, will present his M.S. proposal seminar, "The Construction and Partitioning of a Large BAC Clone from the novel Antarctic Isolate, *Rhodoglobus vestalii*: Elucidating the Minimal Tiling Path," on **Thursday, February 28, 2008**, at **noon** in **Lecture Center 10**.

**Dr. Clifford Kraft**, **Cornell University**, will present his seminar, "Thiamine Deficiency and Fish Mortality: Microbial Mediation of Ecosystem Interactions," on **Thursday, February 28, 2008**, at **4:00 p.m.** in **Lecture Center 10**.

### *Other*

**The Portneuf Student Unit of the American Fisheries Society** is selling raffle tickets for a sockeye print. Ticket prices are 1 ticket for \$1, 6 tickets for \$5, and 25 tickets for \$20. Money will help support students attending the Idaho State Chapter annual meeting in Post Falls, purchase of a 350 gallon fish tank for a native fish display in the biology building lobby, watershed restoration efforts in the Portneuf Watershed, and Fisheries education.



### **INL Workshop on Genome Biology**

**Wednesday, April 2nd (afternoon) and Thursday, April 3rd (morning), 2008, Idaho Falls, ID**

**Presented By:** **Michael A. Thomas, PhD, Assistant Professor**, Evolutionary Genomics Group (EGG) Department of Biological Sciences, Idaho State University. URL: [egg.isu.edu/Members/mike](http://egg.isu.edu/Members/mike)

**Sponsored By:** The INL Microbial Metabolic Systems Scientific Signature, Melinda A. Hamilton, PhD – Manager, Contact for information: [Melinda.Hamilton@inl.gov](mailto:Melinda.Hamilton@inl.gov); (208) 526-0948.

**This short course** will cover computational bioinformatics tools related to microbial genomics. Two major themes will be addressed: Genome Analysis and Protein Pathways. Genome Analysis will include: 1) annotation - finding genes and 2) annotation - assigning function to genes. Protein Pathways will include: 1) sequence analysis and 2) phylogenetic analysis. The specific topics within each theme will be presented in lecture format, followed by hands-on computer time to emphasize computational analysis methods.

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**Application Deadline is March 1, 2008.**

### **Wildlife Biologist**

**U. S Department of the Interior U. S. Fish and Wildlife Service, Kenmare, ND**

**Job Announcement Number:** R6-08-174903-M

**OPEN PERIOD:** Tuesday, February 19, 2008 to Tuesday, March 04, 2008

Send Mail to: US Fish and Wildlife Service Colorado, Human Resources, 134 Union Blvd, Lakewood, CO 80228. For questions about this job: Laura A. Peterson, Phone: (303)236-4732, TDD: 303-236-0270, Email: [fw6\\_hro@fws.gov](mailto:fw6_hro@fws.gov)

### **Portneuf Watershed Partnership Outreach Coordinator**

**Three Rivers Resource Conservation and Development (RC&D) Council, Inc.** (This part-time contract position is located in Pocatello under the direction of the Three Rivers Resource Conservation and Development (RC&D) Council.)

**Opening Date:** February 15, 2008

**Closing Date:** March 4, 2008

**Position Placement:** March 17, 2008 (on or about)

Questions can be sent to [threerivers@dcdi.net](mailto:threerivers@dcdi.net). Bids will only be accepted by mail. Please do not email. Please submit your information by **end of day March 4, 2008** to: Three Rivers RC&D Council, Inc., 1551 Baldy Ave., Suite 4, Pocatello, ID 83201.

### **Regional Wildlife or Fisheries Biologist, Nampa and Coeur D'Alene**

**Closing Date:** March 7, 2008

**To Apply:** Complete an IDFG application for temporary employment (regional offices or at Idaho Job Service Offices). Applicants must register with Idaho Job Service. Mail or email a cover letter, resume, three references, and completed application for temporary employment to: Gregg Servheen, P.O. Box 25, 600 South Walnut St., Boise, ID 83707, [gservheen@idfg.idaho.gov](mailto:gservheen@idfg.idaho.gov), 208-287-2713.

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Oregon Institute of Marine Biology, Charleston, Oregon. For more information:

<http://www.uoregon.edu/~oimb>, email [oimb@uoregon.edu](mailto:oimb@uoregon.edu), or telephone 541-888-2581

**Application Deadline is May 1, 2008.**

## **Fisheries Biological Aide – 3 Positions**

**Idaho Department of Fish and Game, Region 7 - Salmon, ID**

**Announcement Closing Date:** May 30, 5:00 p.m.

**Pay Rate:** \$8.00/hr

**Start Date:** Flexible, June 1, 2008.

**End Date:** 8/30/2008 (some flexibility allowed for returning college students) or longer (through October).

To Apply: Applicants must also register with Job Service of Idaho and send IDFG Application for Temporary Employment form and resume (including references) to: Chuck Warren, Regional Fishery Biologist, Anadromous Screen Program, Idaho Department of Fish and Game, P.O. Box 1336, Salmon, ID 83467,

208-756-6022 or email to [cwarren@idfg.idaho.gov](mailto:cwarren@idfg.idaho.gov).

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[jim.sciascia@dep.state.nj.us](mailto:jim.sciascia@dep.state.nj.us) or [miriam.dunne@dep.state.nj.us](mailto:miriam.dunne@dep.state.nj.us).

**Application Deadline is June 1, 2008.**

## **Biological Sciences Aid or Invasive Species Ecology Technician**

**Series/Grade:** GS-0404-03/04

**Start Date:** May-June 2008

**End Date:** August-September (Depending on when you go back to college)

**Location:** Eastern Oregon Agricultural Research Center

**Number of Positions:** 3

**To Apply:** Send an email or letter of interest and resume to the address below. List any pertinent classes in natural resources, rangeland science, botany, wildlife, soils, and environmental sciences. Brett Bingham, EOARC-Burns, 67826-A Hwy 205, Burns, OR 97720. [brett.bingham@oregonstate.edu](mailto:brett.bingham@oregonstate.edu). 541-573-8912.

<http://oregonstate.edu/dept/eoarc/>

**Ecologically Based Invasive Plant Manager**

**Start Date:** May, 2008

**End Date:** August-September 2008 (Dependent upon when you have to go back to school)

**Location:** Circle Bar Ranch, Mitchell, Oregon

**To Apply:** Send letters of interest and resume to address below. List any classes in range science, botany, soil sciences, wildlife, forestry, plant science, etc. Brett Bingham, EOARC-Burns, 67826-A Hwy 205, Burns, OR 97720. [brett.bingham@oregonstate.edu](mailto:brett.bingham@oregonstate.edu). 541-573-8912. <http://oregonstate.edu/dept/eoarc/>

**Bureau of Land Management, Twin Falls District, Fire and Aviation**

Mailing address: 2536 Kimberly Road, Twin Falls, ID 83301.

Tasks will involve field work for inventory and monitoring in a variety of fuel types and vegetation communities. Work schedule is Monday through Thursday 10 hours per day with the opportunity to work overtime on days off. This is a temporary summer position not to exceed 1039 hours. Applicant must have completed work in ecology, biology, and be working towards a degree in a biological science or related field. For more information, contact Greg Mann, Fuels Management Specialist 208-736-2371, cell 208-312-1692, or [gregory\\_mann@blm.gov](mailto:gregory_mann@blm.gov).

**Sawtooth National Forest****Hydrologic Technician (GS-1316)****Biological Science Technician (Natural Resources) (GS-0404)**

Two positions will be filled on the Minidoka Ranger District in Burley, Idaho for the 2008 field season from one or both of the job categories listed above. The positions will be filled at the GS 3, 4, or 5 level (\$11.34-\$14.24/hr, depending on experience) and will work from approximately May-August. To apply please send a resume or contact me directly at: Mark Dallon, 208-677-8291, fax 208-677-4878, [mdallon@fs.fed.us](mailto:mdallon@fs.fed.us).



## *Weekly Announcements for February 3-9, 2008*

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

### *Faculty/Staff/Other Meetings*

There will **NOT** be a Biological Sciences Faculty Meeting on **Tuesday, February 5, 2008**.

### *Seminars*

**Dr. James Smith**, Boise State University, will present his seminar, "Placing the origin of two species-rich genera in the late Cretaceous: A phylogenetic, biogeographic and molecular dating analysis of *Piper* and *Peperomia* (Piperaceae)," **Thursday, February 7, 2008, at 4 p.m. in Lecture Center 10**.

**Dr. Matt Germino** will present a colloquium seminar titled, "The climate of mountains is not the climate of trees: biophysical perspectives on formation of alpine-treeline boundaries," **Wednesday, February 6, 2008, to the Geology Dept at 12:30 p.m. in the Physical Sciences Building**.

**Dr. Rick Allen, University of Idaho**, will present a joint Geology/Biology seminar, "Evapotranspiration from Satellite-based Surface Energy Balance: Background and Applications in Idaho," **Wednesday, February 13, 2008, at 12:30 p.m. in the Physical Sciences Building**. Anyone interested in meeting with Dr. Allen should contact Dr. Leif Tapanila at [tapaleif@isu.edu](mailto:tapaleif@isu.edu).

**Dr. May Berenbaum**, chair, Department of Entomology, University of Illinois at Urbana-Champaign, has been named the first annual Idaho State University Darwin Day speaker. The event will be held on **February 14, 2008, at 6 p.m. in Lecture Center 10**. Dr. Berenbaum's talk is titled, "Parsnip Webworms and Wild Parsnips: When Interactions Go International. She will address the topics of micro-evolution and co-speciation for a general audience." Idaho State University's Darwin Day Celebration is hosted by the Biology Graduate Students with support from the Cultural Affairs Council. All are invited to attend. For more information, please contact BGS President Kelsey Metzger at [metzkels@isu.edu](mailto:metzkels@isu.edu) or (218)779-9196.

### *Travel*

**Erin O'Leary-Jepsen**, Molecular Research Core Facility Manager, will be attending the annual meeting of the Association of Biomolecular Resource Facilities in Salt Lake City, Utah, **February 9-13, 2008**. The Association of Biomolecular Resource Facilities is an international society dedicated to advancing core and research biotechnology laboratories through research, communication, and education.

### *Graduate Student Opportunities*

**Graduate Students in K-12 Education (GK-12)**

**FALL 2008-2009 APPLICATIONS DUE FEBRUARY 12, 2008**

**APPLICATION AVAILABLE AT:** <http://www.isu.edu/departments/gradk12/apply.html>

**ELIGIBILITY:** Graduate Fellows are selected from ISU's College of Engineering, Technology and Arts and Sciences (Biological Sciences, Geosciences, Chemistry and Math). Students must be a full-time ISU graduate student during the 2008-2009 school year.

**STIPEND:** Graduate fellows receive \$30,000 plus tuition and fees for the 2008-2009 school year.



## *Job Opportunities*

EMI-NM is seeking a Technical Editor/Writer with a natural resources education and familiarity with NEPA to be stationed at the BLM office in Idaho Falls for a full time position.

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## *Summer Opportunities*

### **Marine Science Internships in Oregon for Summer 2008.**

Program runs from June 16-August 22, 2008, at the Hatfield Marine Science Center in Newport and at the College of Oceanic and Atmospheric Sciences in Corvallis.

**Eligibility:** Currently enrolled undergraduates who have by June 2008 completed at least two years of coursework may apply. Learn more and apply on line at <http://www.hmsc.oregonstate.edu/REU>.

**Application Deadline is February 15, 2008.**

### **Biological Science Technician (Wildlife)**

**Four positions** are available in Idaho on the **Payette National Forest**

**Dates:** May 1-August 31, 2008

**To Apply:** Send email with attached cover letter and resume, including three references, to Jon Dudley ([jdudley@fs.fed.us](mailto:jdudley@fs.fed.us)). For more information: <http://www.rmrs.nau.edu/lab/4251/birdsburns/>.

**Application Deadline is February 15, 2008.**

### **Land Stewardship & Ecological Monitoring Internship**

Lava Lake Land & Livestock, LLC

Hailey, Idaho

**Dates:** June 1-August 31, 2008

**To Apply:** Send a cover letter, resume, and contact information for three references to: Tess O'Sullivan, Program Manager for Science and Conservation, Lava Lake Land & Livestock, P. O. Box 2249, Hailey, Idaho 83333. [tess@lavalake.net](mailto:tess@lavalake.net). For more information: <http://www.lavalakelamb.com/conservation.php>.

**Application Deadline is March 1, 2008.**

### **Study Marine Biology at the Oregon Coast Summer 2008**

Oregon Institute of Marine Biology, Charleston, Oregon. For more information:

<http://www.uoregon.edu/~oimb>, email [oimb@uoregon.edu](mailto:oimb@uoregon.edu), or telephone 541-888-2581

**Application Deadline is May 1, 2008.**

**The New Jersey Chapter of The Wildlife Society** will award a **\$1,000 scholarship** in the summer of 2008 to a qualified undergraduate (preferred) or graduate student in wildlife or fisheries, or conservation education/communications (with at least 15 credits in biological sciences). Applicants must be permanent New Jersey residents, though students attending school out of state are eligible. If you have question about this scholarship, please contact Jim Sciascia or Mim Dunne at 908-637-4125 or email to [jim.sciascia@dep.state.nj.us](mailto:jim.sciascia@dep.state.nj.us) or [miriam.dunne@dep.state.nj.us](mailto:miriam.dunne@dep.state.nj.us).

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**Series/Grade:** GS-0404-03/04

**Start Date:** May-June 2008

**End Date:** August-September (Depending on when you go back to college)

**Location:** Eastern Oregon Agricultural Research Center

**Number of Positions:** 3

**To Apply:** Send an email or letter of interest and resume to the address below. List any pertinent classes in natural resources, rangeland science, botany, wildlife, soils, and environmental sciences. Brett Bingham, EOARC-Burns, 67826-A Hwy 205, Burns, OR 97720. [brett.bingham@oregonstate.edu](mailto:brett.bingham@oregonstate.edu). 541-573-8912. <http://oregonstate.edu/dept/eoarc/>



**Ecologically Based Invasive Plant Manager**

**Start Date:** May, 2008

**End Date:** August-September 2008 (Dependent upon when you have to go back to school)

**Location:** Circle Bar Ranch, Mitchell, Oregon

**To Apply:** Send letters of interest and resume to address below. List any classes in range science, botany, soil sciences, wildlife, forestry, plant science, etc. Brett Bingham, EOARC-Burns, 67826-A Hwy 205, Burns, OR 97720. [brett.bingham@oregonstate.edu](mailto:brett.bingham@oregonstate.edu). 541-573-8912. <http://oregonstate.edu/dept/eoarc/>

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Mailing address: 2536 Kimberly Road, Twin Falls, ID 83301.

Tasks will involve field work for inventory and monitoring in a variety of fuel types and vegetation communities. Work schedule is Monday through Thursday 10 hours per day with the opportunity to work overtime on days off. This is a temporary summer position not to exceed 1039 hours. Applicant must have completed work in ecology, biology, and be working towards a degree in a biological science or related field. For more information, contact Greg Mann, Fuels Management Specialist 208-736-2371, cell 208-312-1692, or [gregory\\_mann@blm.gov](mailto:gregory_mann@blm.gov).



## *Weekly Announcements for January 13-19, 2008*

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

### *Faculty/Staff/Other Meetings*

There will be a **Biological Sciences Faculty Meeting** on **Tuesday, January 15, 2008**, at **12 noon** in the Speech Pathology building room **SPA 315**.

### *Seminars*

**Dr. Kevin Feris**, Boise State University, will present his seminar, "Feedback Loops in the Subsurface: Carbon Substrate Effects on Microbial-Geochemical Interactions in an Anerobic Aquifer", **Thursday, January 17, 2008, at 4 p.m. in Lecture Center 10**.

### *Publications*

Whiting, Jericho C., **R. Terry Bowyer**, and Jerran T. Flinders. 2008. Young Bighorn (*Ovis canadensis*) Males: can they Successfully Woo Females? *Ethology* 114:32–41.

**Cretekos, C. J.**, Y. Wang, E. D. Green, NISC Comparative Sequencing Program, J. F. Martin, J. J. Rasweiler IV, and R. R. Behringer. 2008. Regulatory divergence modifies limb length between mammals. *Genes & Development* (in press, due January 15, 2008).

### *Job Opportunities*

#### **Population Ecologist**

**Advertisement Number:** 18587

**Job Classification:** BL3

**Business Area/Branch:** Manitoba Conservation – Wildlife & Ecosystem Protection Branch

**City/Town:** Winnipeg, Manitoba

**Salary Range:** \$54,303 to \$68,598 per annum

**Closing date:** **January 25, 2008.**

**Apply to:** Consolidated Human Resource Services; Manitoba Conservation, Agriculture, Food & Rural Initiatives; Intergovernmental Affairs, and Water Stewardship; 360-1395 Ellice Avenue; Winnipeg, MB R3G 3P2. Fax: 204-948-2841. [consshr@gov.mb.ca](mailto:consshr@gov.mb.ca).

#### **Wildland Restoration Ecologist - Assistant Professor (9 month/Tenure Track)**

40% Teaching, 40% Research, and 20% Advising, Service and Outreach

Department of Rangeland Ecology and Management, College of Natural Resources, University of Idaho.

**Closing date** for applications is **February 1, 2008**, or until a suitable candidate is identified. Review of applications will begin February 4, 2008 and will continue until a successful candidate has been identified with a prospective starting date of May 2008. For more information:

[http://www.cnr.uidaho.edu/range/Jobs/Restoration\\_Position.htm](http://www.cnr.uidaho.edu/range/Jobs/Restoration_Position.htm)

**Rangeland Extension Specialist** - Assistant Professor (12 Month/Tenure Track)

80% Extension, 20% Research

Department of Rangeland Ecology and Management, College of Natural Resources, University of Idaho.

**Closing date** for applications is **February 1, 2008**, or until a suitable candidate is identified. Review of applications will begin February 4, 2008 and will continue until a successful candidate has been identified with a prospective starting date of June 2008. For more information:

[http://www.cnr.uidaho.edu/range/Jobs/Range\\_Extension\\_Position.htm](http://www.cnr.uidaho.edu/range/Jobs/Range_Extension_Position.htm)

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**Land Stewardship & Ecological Monitoring Internship**

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Hailey, Idaho

**Dates:** June 1-August 31, 2008

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**Location:** Eastern Oregon Agricultural Research Center

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## Weekly Announcements for January 20-26, 2008

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

### Seminars

**Dr. Wyatt Cross**, Montana State University, will present his seminar, "Reciprocal Interactions between Consumers and Essential Elements in Stream Ecosystems", **Thursday, January 24, 2008, at 4 p.m. in Lecture Center 10.**

### Publications

**Jeff Meldrum and Trent Stephens.** 2007. *Who Are the Children of Lehi? DNA and The Book of Mormon.* (Book) Salt Lake City, Kofford Books.

**Seiler, S. M. and E. R. Keeley.** 2007. A comparison of aggressive and foraging behaviour between juvenile cutthroat trout, rainbow trout and F1 hybrids. *Animal Behaviour* 74: 1805-1812.

Grossman, J. D. and **R. J. Smith.** 2008. Phoretic mite discrimination among male burying beetle (*Nicrophorus investigator*) hosts. *Ann. Entomol. Soc.* 101(1):266-271.

**Ogden, T. H., M. Sartori, M. F. Whiting.** 2008. Pisciforma, Setisura, and Furcatergalia (Order: Ephemeroptera) are not monophyletic based on 18S rDNA sequences: A Reply to Sun et al. (2006). *Annals of the Entomological Society of America.* 101(1):1-6.

**J. M. Perkel.** Jan. 18, 2008. Nano to next gen: Automation gets personal. *Science.* 319:345.

**Baviskar, Sandhya N., Todd R. Hartle and Tiffaney Whitney.** 2007. Essential Criteria to Characterize Constructivist Teaching: Derived from a review of the literature and applied to five constructivist-teaching method articles. *International Journal of Science Education.* 1 – 10.

### Presentations

Members of **Drs. Curt Anderson's** and **Ken Rodnick's** laboratories presented several posters at the 2008 Annual Meeting of the Society for Integrative and Comparative Biology in San Antonio, Texas, January 2-6. These included:

Bolinger M. T., Battiprolu P. K., Sorensen O. J., Rodnick K. J. A comparison of proglycogen and macroglycogen in cardiac, hepatic, and white skeletal muscle tissue in male and female rainbow trout (*Oncorhynchus mykiss*).

Copeland D. L., Rodnick K. J., Earley R. L., Secor S. M. Postprandial response of ventricular mass and metabolic enzyme activities for the Burmese python (*Python molurus*).

Feuerborn E., Rodnick K., Anderson C. Scaling of spinal cord neurons in the rainbow trout (*Oncorhynchus mykiss*).

Gamperl A. K., Swafford B. L., Rodnick K. J. Impact of elevated water temperature and zatebradine-induced bradycardia on cardiovascular function in male and female rainbow trout.

Mandal R., Anderson C. W. Integration of hypoglossal, glossopharyngeal and trigeminal neurons within the brainstem of marine toad, *Bufo marinus*.

Racine M. L., Oswald M. E., Rodnick K. J., Robison B. D. The effect of sex and strain on swimming performance and behavior of zebrafish (*Danio rerio*).

Robison A., Mandal R., Puljan D., Anderson C.. The function of the submentalis muscle during neuromechanical control of feeding movement in *Bufo marinus*.

Sorensen O. J., Rodnick K. J. Stress and metabolic hormones do not promote cardiac glycogenolysis in vitro in rainbow trout.

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## *Graduate Student Opportunities*

**Graduate Students in K-12 Education (GK-12)**

**FALL 2008-2009 APPLICATIONS DUE FEBRUARY 12, 2008**

**APPLICATION AVAILABLE AT:** <http://www.isu.edu/departments/gradk12/apply.html>

**ELIGIBILITY:** Graduate Fellows are selected from ISU's College of Engineering, Technology and Arts and Sciences (Biological Sciences, Geosciences, Chemistry and Math). Students must be a full-time ISU graduate student during the 2008-2009 school year.

**STIPEND:** Graduate fellows receive \$30,000 plus tuition and fees for the 2008-2009 school year.

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**Population Ecologist**

**Advertisement Number:** 18587

**Job Classification:** BL3

**Business Area/Branch:** Manitoba Conservation – Wildlife & Ecosystem Protection Branch

**City/Town:** Winnipeg, Manitoba

**Salary Range:** \$54,303 to \$68,598 per annum

**Closing date:** January 25, 2008.

**Apply to:** Consolidated Human Resource Services; Manitoba Conservation, Agriculture, Food & Rural Initiatives; Intergovernmental Affairs, and Water Stewardship; 360-1395 Ellice Avenue; Winnipeg, MB R3G 3P2. Fax: 204-948-2841. [conshr@gov.mb.ca](mailto:conshr@gov.mb.ca).

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40% Teaching, 40% Research, and 20% Advising, Service and Outreach

Department of Rangeland Ecology and Management, College of Natural Resources, University of Idaho.

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80% Extension, 20% Research

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**Start Date:** May, 2008

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## *Weekly Announcements for January 27-February 2, 2008*

Please submit newsletter information to Pam at [chripame@isu.edu](mailto:chripame@isu.edu)

### *Faculty/Staff/Other Meetings*

There will be a **Biological Sciences Faculty Meeting** on **Tuesday, January 29, 2008, at 12 noon** in the Speech Pathology building room **SPA 315**.

### *Seminars*

**Rakesh Mandal**, MS graduate student, will present his proposal seminar, "Integration of Hypoglossal, Trigeminal and Glossopharyngeal Nerves within the Brainstem of Bufo", **Thursday, January 31, 2008, at 12 noon in Lecture Center 15/17**.

**Dan Puljan**, MS graduate student, will present his proposal seminar, "The Role of the Submental Muscle in the Feeding Mechanics in the Marine Toad, *Bufo marinus*," **Thursday, January 31, 2008, at 12 noon in Lecture Center 15/17**.

**Dr. Sarah Hinman**, Department of History, Idaho State University, will present her seminar, "Typhoid Fever in Washington, D. C., 1895-1909: A Geographic Information Systems Exploration of Urban Health Concerns", **Thursday, January 31, 2008, at 4 p.m. in Lecture Center 10**.

### *Publications*

**Rugenski, A. T., A. M. Marcarelli, H. A. Bechtold, and R. S. Inouye**. 2008. Effects of temperature and concentration on nutrient release rates from nutrient diffusing substrates. *Journal of the North American Benthological Society* 27: 52-57.

**Marcarelli A. M., M. A. Baker, and W. A. Wurtsbaugh**. 2008. Is in stream nitrogen fixation an important N source for benthic communities and stream ecosystems? *Journal of the North American Benthological Society* 27: 186-211.

### *Presentations*

**Matt Germino** will travel to Iowa State University, Ames, to give a seminar to the Department of Ecology and Evolutionary Biology entitled "Persistence of exotic plants following disturbance: Are low of native species and resource partitioning the causal links?", on January 31, 2008.

### *Graduate Student Opportunities*

**Graduate Students in K-12 Education (GK-12)**

**FALL 2008-2009 APPLICATIONS DUE FEBRUARY 12, 2008**

**APPLICATION AVAILABLE AT:** <http://www.isu.edu/departments/gradk12/apply.html>

**ELIGIBILITY:** Graduate Fellows are selected from ISU's College of Engineering, Technology and Arts and Sciences (Biological Sciences, Geosciences, Chemistry and Math). Students must be a full-time ISU

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40% Teaching, 40% Research, and 20% Advising, Service and Outreach

Department of Rangeland Ecology and Management, College of Natural Resources, University of Idaho.

**Closing date** for applications is **February 1, 2008**, or until a suitable candidate is identified. Review of applications will begin February 4, 2008 and will continue until a successful candidate has been identified with a prospective starting date of May 2008. For more information:

[http://www.cnr.uidaho.edu/range/Jobs/Restoration\\_Position.htm](http://www.cnr.uidaho.edu/range/Jobs/Restoration_Position.htm)

**Rangeland Extension Specialist** - Assistant Professor (12 Month/Tenure Track)

80% Extension, 20% Research

Department of Rangeland Ecology and Management, College of Natural Resources, University of Idaho.

**Closing date** for applications is **February 1, 2008**, or until a suitable candidate is identified. Review of applications will begin February 4, 2008 and will continue until a successful candidate has been identified with a prospective starting date of June 2008. For more information:

[http://www.cnr.uidaho.edu/range/Jobs/Range\\_Extension\\_Position.htm](http://www.cnr.uidaho.edu/range/Jobs/Range_Extension_Position.htm)

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## *Summer Opportunities*

**Marine Science Internships in Oregon for Summer 2008.**

Program runs from June 16-August 22, 2008, at the Hatfield Marine Science Center in Newport and at the College of Oceanic and Atmospheric Sciences in Corvallis.

**Eligibility:** Currently enrolled undergraduates who have by June 2008 completed at least two years of coursework may apply. Learn more and apply on line at <http://www.hmsc.oregonstate.edu/REU>.

**Application Deadline is February 15, 2008.**

**Biological Science Technician (Wildlife)**

**Four positions** are available in Idaho on the **Payette National Forest**

**Dates:** May 1-August 31, 2008

**To Apply:** Send email with attached cover letter and resume, including three references, to Jon Dudley ([jdudley@fs.fed.us](mailto:jdudley@fs.fed.us)). For more information: <http://www.rmrs.nau.edu/lab/4251/birdsburns/>.

**Application Deadline is February 15, 2008.**

**Land Stewardship & Ecological Monitoring Internship**

Lava Lake Land & Livestock, LLC

Hailey, Idaho

**Dates:** June 1-August 31, 2008

**To Apply:** Send a cover letter, resume, and contact information for three references to: Tess O'Sullivan, Program Manager for Science and Conservation, Lava Lake Land & Livestock, P. O. Box 2249, Hailey, Idaho 83333. [tess@lavalake.net](mailto:tess@lavalake.net). For more information: <http://www.lavalakelamb.com/conservation.php>.

**Application Deadline is March 1, 2008.**

**Study Marine Biology at the Oregon Coast Summer 2008**

Oregon Institute of Marine Biology, Charleston, Oregon. For more information:

<http://www.uoregon.edu/~oimb>, email [oimb@uoregon.edu](mailto:oimb@uoregon.edu), or telephone 541-888-2581

**Application Deadline is May 1, 2008.**

**The New Jersey Chapter of The Wildlife Society** will award a **\$1,000 scholarship** in the summer of 2008 to a qualified undergraduate (preferred) or graduate student in wildlife or fisheries, or conservation education/communications (with at least 15 credits in biological sciences). Applicants must be permanent New Jersey residents, though students attending school out of state are eligible. If you have question about this scholarship, please contact Jim Sciascia or Mim Dunne at 908-637-4125 or email to [jim.sciascia@dep.state.nj.us](mailto:jim.sciascia@dep.state.nj.us) or [miriam.dunne@dep.state.nj.us](mailto:miriam.dunne@dep.state.nj.us).

**Application Deadline is June 1, 2008.**

### **Biological Sciences Aid or Invasive Species Ecology Technician**

**Series/Grade:** GS-0404-03/04

**Start Date:** May-June 2008

**End Date:** August-September (Depending on when you go back to college)

**Location:** Eastern Oregon Agricultural Research Center

**Number of Positions:** 3

**To Apply:** Send an email or letter of interest and resume to the address below. List any pertinent classes in natural resources, rangeland science, botany, wildlife, soils, and environmental sciences. Brett Bingham, EOARC-Burns, 67826-A Hwy 205, Burns, OR 97720. [brett.bingham@oregonstate.edu](mailto:brett.bingham@oregonstate.edu). 541-573-8912. <http://oregonstate.edu/dept/eoarc/>

### **Ecologically Based Invasive Plant Manager**

**Start Date:** May, 2008

**End Date:** August-September 2008 (Dependent upon when you have to go back to school)

**Location:** Circle Bar Ranch, Mitchell, Oregon

**To Apply:** Send letters of interest and resume to address below. List any classes in range science, botany, soil sciences, wildlife, forestry, plant science, etc. Brett Bingham, EOARC-Burns, 67826-A Hwy 205, Burns, OR 97720. [brett.bingham@oregonstate.edu](mailto:brett.bingham@oregonstate.edu). 541-573-8912. <http://oregonstate.edu/dept/eoarc/>