



**ISU**

Department of Biological Sciences

# Newsletter



**Weekly Announcements for Sept. 3 – Sept. 9, 2006**

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

## Faculty/Staff/Other Meetings

In lieu of **Faculty Meeting** there will be meetings of research clusters.

- Microbiology/Biochem - LS 229 - Peter Sheridan, Chair
- Ecology/Evolution - LS 270 - Colden Baxter
- Science Education - LS 240 - Susan Galindo
- Biomedical/Anat/Phys - LS 271 - Ken Rodnick

## Seminars

**Dr. Ken Rodnick**, ISU Biological Sciences, “How we Conduct Physiological Research on Fishes and the Importance of Sex Differences,” **Wednesday, September 6, 2006** at **noon** in the Bear River Room (SUB). This is part of the Brown Bag Seminar Series presented by Sigma Xi.

**Dr. T. Heath Ogden**, ISU Biological Sciences, “Phylogenomics and Bioinformatics: From Insect Evolution to Computational Biology,” **Thursday, September 7, 2006** at **4pm** in the Plant Sciences Lecture Center.

**Dr. Chris Daniels**, ISU Pharmaceutical Sciences & Director, ISU Biomedical Research Institute, “Bioinformatics Approach to analyze Gene Expression Data: PathwayStudio analysis,” **Friday, September 8, 2006** at **4pm** in Pharmacy building room 123. This seminar is part of the ISU Biomedical Research Institute Seminar Series.

## Awards

**Dr. Carolyn Bunde** was awarded a Mini-grant for development of "Podcasts" for student use at ISU.

**Dr. Matt Germino** was awarded \$60,000/3 yr for his project, “Community evapotranspiration on the Protective Cap Barrier Experiment” from Stoller/DOE.

## Presentations

Clinical Laboratory Science Undergraduates, **Heidi Hobbs** and **Mark Crocker**, with **Sonja Nehr-Kanet**, traveled to Chicago, Illinois, July 26, 2006 to attend the 74<sup>th</sup> Annual Meeting of the American Society for Clinical Laboratory Science and present their student poster,

“Thyroid Effect on Bone Remodeling: A Study of a Healthy Community Sample of Postmenopausal Women.” This research, in collaboration with Dr. Laura Tivis, Institute of Rural Health, had earlier won the ASCLS Idaho State poster competition that was held in Pocatello in April.

---

## Events

**Idaho Water Resources Research Institute presents  
Idaho Water Resources Research Symposia**  
Research to Support Management of Idaho’s Water  
November 28-29, 2006 in Boise, ID

**Abstracts should contain:**

The author’s name, title, affiliation and contact information;

Co-author’s names, titles and affiliations;

Type of presentation (oral, poster or panel session);

Title of Abstract; and

Text of Abstract (approximately 400 words)

All presentations will be selected based on a review of submitted Abstracts. They can be submitted electronically on the IWRRI web-site (<http://www.iwrri.uidaho.edu/>) using the Idaho Water Resources Research Symposia web-link, or submitted as a WORD document as an e-mail attachment to [iwrri@uidaho.edu](mailto:iwrri@uidaho.edu), using IWRRS Abstract in the RE: line.

Review of Abstracts will begin on September 29, 2006, and authors will be notified by October 13, 2006 of acceptance of their Abstracts for presentation at the symposia. If there are any further questions, they can be directed to:

John Tracy, Director

Idaho Water Resources Research Institute

University of Idaho

322 E. Front Street, Suite 201

Boise, ID 83702

(208) 332-4422

[tracy@uidaho.edu](mailto:tracy@uidaho.edu)

**13<sup>th</sup> International Conference on the Environment  
June 30-July 3, 2007 in Portland, Maine**

**Call for papers and posters:**

The IEA, committed to an interdisciplinary approach to environmental issues, is now accepting submissions of papers and posters for the 2007 conference. We welcome research that crosses the boundaries of traditional disciplines to frame environmental problems, propose working models or initiate field or community projects. Areas of special interest in 2007 include (but are **not** confined to):

1. Environmental issues in New England and the Maritime provinces.
2. Political decision-making in environmental policy
3. Coastal management issues
4. Community and sustainability

5. Agriculture and natural resource issues
6. Economic, legal and business strategies within the environment
7. Health and urban environmental challenges
8. Sustainability in the planned environment.
8. SPECIAL TOPIC: Accreditation and Environmental Programs.

For more information, contact Dr. Kimberly Reiter, Conference Chair at [kreiter@stetson.edu](mailto:kreiter@stetson.edu) or go to [www.ieaonline.org](http://www.ieaonline.org)

## **Idaho Chapter of the Wildlife Society**

### **News Release**

#### **Land Use Summit**

Idaho's vanishing rural lands and booming development will be the focus of Sen. Crapo, state legislators, county commissioners, and invited speakers at The Idaho Land Use Summit, **September 14-15, 2006** at the Nampa Civic Center.

The Summit is promoting conservation of Idaho's rural quality of life and wildlife resources by bringing experts in Western land use issues together to find a balance to the accelerating growth and development occurring across Idaho

Those interested in attending the Summit may register, take an online survey, and download a program by visiting the Summit website at: <http://www.ictws.org/summit.html>.

This year's **Environmental & Subsurface Science Symposium** will be held in **Moscow, Idaho** at the University Inn **September 25 - 27, 2006**. The annual symposium will highlight research being performed at the INRA institutions, regional and national universities, National Laboratories, as well as others. Research activities within various topical areas will be presented. For more symposium information visit:

<https://secure.meetingsystems.com/inra>

---

## **Department Developments**

### **BS/MS Option**

The goal of this option is to allow academically strong students to begin work towards an MS degree after completing their junior year. This will allow these students to complete an MS degree, as well as a BS degree, with only one additional year in school. We think this option will be particularly attractive to students who have cultivated a significant research experience as undergraduates, and who plan to go on to a professional school after completing the B.S. degree. With one additional year, these students will significantly enrich their research experience. We anticipate that this will increase the number of M.S. degrees awarded by the Department, benefiting both the Department and the student's advisor. The student will be required to complete all of the graduation requirements for a B.S. degree in the Department of Biological Sciences. That degree would be awarded when those requirements are met, typically at the end of the 4<sup>th</sup> year. In completing the graduation requirements for a B.S. degree, these students should have met all of the coursework requirements for admission to our M.S. program.

---

## Grants

The Berryman Institute (housed at Utah State University and Mississippi State University) is a nationally recognized institute whose mission is to support and conduct effective, science-based research and outreach programs aimed at addressing issues pertaining to wildlife damage management and human-wildlife conflicts. To achieve this goal, the Berryman Institute has developed a program to financially support research and education programs conducted by institutions in the United States that address these issues. Funding opportunities are available in all regions of the country.

All Berryman grants are awarded on the federal fiscal year and must be spent by September 30, 2007. There can be no extensions or exceptions, so please do not apply if your institution cannot invoice the Berryman Institute for the full amount of the grant within 30 days of September 30, 2007. All grants are awarded in one-year increments. Funded researchers may request additional funding for one additional year by reapplying. No proposal will be funded for more than two consecutive years. No proposal will be funded in more than one category, i.e., only one type of funding will be awarded for each individual proposal, so the most critical type of funding for a project should be considered and the application submitted accordingly. All grant awards are conditional upon availability of funds. All grants are cost reimbursable, i.e., organizations receiving grants will be reimbursed for allowable costs once the funds are expended and the Berryman Institute is invoiced. Invoices may be submitted monthly for up to 75% of the grant amount. The final 25% of the grant will not be reimbursed until all deliverables (e.g., reports, photos, etc.) are submitted.

Please visit the Berryman Institute website, listed below, to learn more about our organization, these funding opportunities, and how to submit proposals. Due to constrictions in meeting the timeline for federal funds, proposals must be submitted electronically by **12:00 midnight CST, September 15, 2006**, to be considered for funding. Proposals will be reviewed and ranked by a scientific panel.

[http://www.berrymaninstitute.org/clickstate\\_grants.html](http://www.berrymaninstitute.org/clickstate_grants.html)

Berryman Institute/Department of Wildlife & Fisheries  
Box 9690

MS State, MS 39762

662-325-6694

662-325-1358 (fax)

[landrews@cfr.msstate.edu](mailto:landrews@cfr.msstate.edu)

---

## Employment Opportunities

Two biologists to conduct field ecological assessments in riparian communities in southwest Idaho on BLM land starting around September 10-15 and working for three weeks. Please forward this to those who may be interested. Please contact [miket@emi-nm.com](mailto:miket@emi-nm.com) or call (505) 884-8300.

### **Graduate Research Assistant Positions:**

Two MS (or possibly PhD) students are sought for collaborative research on the ecophysiology and population ecology of invasive, exotic forbs in sagebrush steppe of Idaho. The students will work as part of a team in several experiments designed to test the

contribution of altered soil water availability to persistence of exotic populations (eg. knapweeds, thistles) in areas disturbed by land uses. The project involves field measurements of plant-soil water relationships, experimental manipulations of precipitation and soil water, use of stable isotopes to determine depth of water uptake in plants, and linking ecophysiological responses to soil water to models of population growth. One student will focus on stable isotope applications under the direction of Dr. John Marshall at the University of Idaho, and the other student will work on ecophysiological and population responses under Drs. Matt Germino, Richard Inouye, and Nancy Huntly at Idaho State University, in coordination with Dr. Jonathan Horton of University of North Carolina. The research is funded by a grant from the USDA NRI and will be performed in sites in and around Pocatello, Idaho. Applicants should send 1) a letter of interest and qualifications, 2) names, emails, and phone numbers of three references, 3) GRE scores, and 4) transcripts to either Matt Germino (germmatt@isu.edu; 208-282-3285; PO Box 8007, Pocatello ID 83209-8007) or John Marshall (jdm@uidaho.edu, 208-885-6695).

### **Research Assistant I**

A Research Assistant position is available to provide technical support towards agricultural greenhouse gas (GHG) reduction activities. Candidates must be knowledgeable in aspects of agriculture and the environment. The ideal candidate must possess a B.S. in agricultural/environmental related field and 1+ years of experience.

Applicants should submit a letter of application (including a description of their expertise and experience), resume, and a list of five references to:

AgCert Services (USA) Inc.,  
Science and Technology Dept.  
1901 S. Harbor City Blvd., Suite 400  
Melbourne, Florida 32901, USA.

Or email: [hr-jobs@agcert.com](mailto:hr-jobs@agcert.com)

Applications will be considered only when all materials have been received. Review of applications will begin on **August 15, 2006** and continue until the position is filled.

### **Waste Treatment Engineering**

Positions are available to provide technical support towards food processing, industrial and animal waste treatment activities. Candidates must be knowledgeable in aspects of waste handling processes in the above mentioned areas. This includes knowledge in waste storage structures, systems, retention times, pump stations, flow patterns, solids build-up and treatment plants (anaerobic digesters). Knowledge of treatment system design, maintenance and operation a plus. These individuals will work in a multi-disciplinary team of scientists and engineers. A minimum of a B.S. in agricultural, civil, environmental engineering or related fields and 2+ years of experience in waste management are required.

Applicants should submit a letter of application (including a description of their expertise and experience), resume, and a list of five references to:

AgCert Services (USA) Inc.,  
Science and Technology Dept.  
1901 S. Harbor City Blvd., Suite 400  
Melbourne, Florida 32901, USA.

Or email: [hr-jobs@agcert.com](mailto:hr-jobs@agcert.com)

Please visit our website at [www.agcert.com](http://www.agcert.com) for additional information.  
Applications will be considered only when all materials have been received.

## **LARGE MAMMAL ECOLOGIST**

**Assistant/Associate Professor, Tenure-track Faculty Position  
Department of Natural Resources & Environmental Science**

### **Position Description and Qualifications:**

The Department of Natural Resources and Environmental Science (NRES) seeks a tenure-track Assistant/Associate Professor, with expertise in the ecology of large mammals. Candidates must have a Ph.D. in Wildlife, Ecology, Conservation Biology or a closely related discipline.

The successful candidate will play a central role in maintaining the program in wildlife and conservation biology at UNR. We expect candidates to develop a competitively funded research program, a dynamic graduate training program, and play an integral role in development of the curriculum in Wildlife Ecology and Conservation. The individual will also be expected to assume an active instructional and advisory role. Candidates interested in working in arid and montane ecosystems, and interacting with state and federal agencies are especially encouraged to apply.

**Application Deadline: Begin considering applications, 1 October 2006**

**Starting Date: 1 July 2007**

Applicants should apply on-line at [www.unrsearch.com/applicants/Central?quickFind=51260](http://www.unrsearch.com/applicants/Central?quickFind=51260) and will be asked to attach a cover letter, statements of research and plans, statement of philosophy and a current CV by October 1, 2006. Additionally, you may attach any Teaching Evaluations or Samples of Written Work. Either attach or send unofficial transcripts and three letters of reference to: Ms. Heidi McConnell, [hmc@cabnr.unr.edu](mailto:hmc@cabnr.unr.edu), Search Committee Secretary, Dept. of Natural Resources & Environmental Science, University of Nevada, Reno/MS 186, 1000 Valley Road, Reno, NV 89512-0013.

Contact Dr. Jim Sedinger, Search Committee Chair ([jsedinger@cabnr.unr.edu](mailto:jsedinger@cabnr.unr.edu), 775-784-6556) for additional information about the position. EEO/AA.

## **WILDLIFE CONSERVATION ECOLOGIST**

**Assistant/Associate Professor, Tenure-track Faculty Position  
Department of Natural Resources & Environmental Science**

### **Position Description and Qualifications:**

The Department of Natural Resources and Environmental Science (NRES) seeks a tenure-track Assistant/Associate Professor in Conservation Biology. Candidates must have a Ph.D. in a relevant discipline. We will consider candidates with a broad range of interests, capable of developing a sound basic and applied research program. We are especially interested in candidates with strong quantitative skills. The successful candidate will play a central role in maintaining the program in wildlife and conservation biology at UNR. We expect candidates to develop a competitively funded research program, a dynamic graduate training program, and play an integral role in development of the curriculum in Wildlife Ecology and Conservation, including an active instructional and advisory role. Candidates interested in

working in arid and montane ecosystems, and interacting with state and federal agencies are especially encouraged to apply.

**Salary: Commensurate with qualifications and experience.**

**Application Deadline: Begin considering applications, 1 October 2006**

**Starting Date: 1 July 2007**

Applicants should apply on-line at [www.unrsearch.com/applicants/Central?quickFind=51260](http://www.unrsearch.com/applicants/Central?quickFind=51260) and will be asked to attach a cover letter, statements of research and plans, statement of philosophy and a current CV by October 1, 2006. Additionally, you may attach any Teaching Evaluations or Samples of Written Work. Either attach or send unofficial transcripts and three letters of reference to: Ms. Heidi McConnell, [hmc@cabnr.unr.edu](mailto:hmc@cabnr.unr.edu), Search Committee Secretary, Dept. of Natural Resources & Environmental Science, University of Nevada, Reno/MS 186, 1000 Valley Road, Reno, NV 89512-0013.

Contact Dr. Jim Sedinger, Search Committee Chair ([jsedinger@cabnr.unr.edu](mailto:jsedinger@cabnr.unr.edu), 775-784-6556) for additional information about the position. EEO/AA.