

## ES Newsletter, Week of February 2, 2009

### Reminder – Deadline for Psi Upsilon Summer Fellowships – February 13

Interested in spending a summer in Maine and gaining experience in the environmental field? The Environmental Studies Program runs a 10 week fellowship program that places students with environmental and conservation organizations. Students receive a \$4,000 stipend and are eligible for summer housing.

Psi Upsilon Fellowship application and fellowship descriptions are now available on line.

<http://www.bowdoin.edu/environmental-studies/beyond/psi-u-internship/application-info.shtml>

For more information, contact Eileen Johnson

### On Campus

#### The Fatal Inheritance: Captain Scott, the Royal Navy and British Polar Exploration." A Polar Extremes Event

Tuesday, February 3 7:30 pm

Kresge Auditorium, Visual Arts Center

David Crane read History and English at Oxford University before becoming a lecturer at universities in Holland, Japan, and Africa. He also taught for many years in the CBB London program. In addition to his biography of Robert Scott, *Scott of the Antarctic: A Life of Courage and Tragedy* (2006), he has written two books on Lord Byron and his family: *Lord Byron's Jackal: A Life of Trelawny* (1999) and *The Kindness of Sisters: Annabella Milbanke and the Destruction of the Byrons* (2002). He lives in northwest Scotland. Free and open to the public.

Sponsored by Arctic Studies, Environmental Studies, Coastal Studies, and the Department Government and Legal Studies, with additional funding from the Lectures and Concerts Committee.

#### Triumvirate Environmental Information Session

February 5, 2009 (time to be determined)

Career Planning Center, Moulton Union

Please join us to meet **John McQuillan '87**, CEO of Triumvirate Environmental and **Garrett Gates '08** (ES-Philosophy) Assistant to the CEO, to learn more about opportunities with Triumvirate Environmental.

Triumvirate Environmental is the fastest-growing environmental management firm in the Northeast. With offices in Boston and New York City, Triumvirate provides leading institutions in the higher education, life sciences, healthcare, and industrial sectors with a wide spectrum of diverse services to assist them with compliance management. From field and lab services to consulting, they offer the innovative solutions their clients need. Come learn more about *full-time and summer internship* positions with this great company! Triumvirate will be conducting on-campus interviews on February 20th, so this is your time to network and prepare

For more information contact, Eileen Johnson [ejohnson@bowdoin.edu](mailto:ejohnson@bowdoin.edu)

### Off Campus

#### What's Bugging Us? Browntail Moths & More

Charlene Donahue, Forest Entomologist, Maine Forest Service

Thursday, February 5 at 7:00 p.m.

Curtis Memorial Library, Brunswick

Join Friends of Merrymeeting Bay (FOMB) on Thursday, February 5 at 7pm for the fifth presentation in this season's Winter Speaker Series; 'What's Bugging Us? Browntail Moths & More'. The evening presentation features Charlene Donahue, Forest Entomologist with the Maine Forest Service.

## Power Shift 2009



What is Power Shift 2009 all about?

Power Shift 2009 is the second national youth summit to solve our generation's climate crisis. Ten thousand young people from all over the country will come together for the one of the largest youth conferences on climate change ever held! At this conference, leaders of our generation will share ideas, learn new skills, make connections, and establish a national voice for our generation. We've elected new leaders into power in the White House and Congress—now let's hold them accountable. We have a unique opportunity to ask our leaders to commit to stopping climate change.



Why should you attend?

As a movement, climate advocates are working from the grassroots up to create solutions to our climate and energy problems that ensure the right of all people to live, work and play in safe, healthy, and clean environments. With rising temperatures, the quality of human life is being compromised by increased health and financial burdens. At Power Shift, you'll have the chance to:

- Attend workshops and learn how to become a better grassroots organizer
- Hear from panels of experts in the field
- Take action on Lobby Day when we bring our message to Capitol Hill and speak directly with lawmakers!

You can grow our movement by inviting ten of your friends to register for Power Shift ! The shift starts with you! For more info, visit [www.powershift09.org](http://www.powershift09.org) and register today!

## SUMMER INTERNSHIPS/JOB

### Gulf of Maine Research Institute Summer Research Internship

The Gulf of Maine Research Institute (GMRI) is rapidly developing a portfolio of fishery ecosystem research projects. To assist with these projects, GMRI is seeking a number of paid interns for the summer of 2009. Research will occur in the following areas:

- The impact of climate variability and change on the Gulf of Maine ecosystem.
- Developing models of the Gulf of Maine ecosystem.

- The relative abundance and foraging ecology of inshore vs. offshore cod populations and the consequences for benthic invertebrates such as crabs and lobsters.
- The influence of marine closed areas in the northwest Atlantic on the ecology of cod.
- Source-sink dynamics in monkfish populations using mark-recapture experiments.
- Ecosystem effects on bioenergetics of Atlantic herring.
- Stock structure identification of Atlantic herring in the Gulf of Maine.
- Zooplankton dynamics in the Gulf of Maine.
- The effect of specialized rigging modification on the selectivity of monkfish gillnets using underwater video cameras and at-sea sampling.

The fisheries ecology studies will involve a balanced mix of field (i.e., tagging fish, conducting video surveys of fish utilization of habitat, gillnet and hook-and-line sampling, tethering prey, data collection, hydroacoustic sampling, underwater cameras, etc.) and lab (project design, gear preparation and maintenance, data entry, aging otoliths, otolith shape and microstructure analyses, bomb calorimetry, conducting stomach content analysis, prepping stable isotope samples, scoring video surveys, acoustic or catch data processing, etc.) work. The modeling studies will involve analyzing historical biological and climate data and developing new models of the Gulf of Maine ecosystem.

Please visit <http://www.gmri.org/about/careerItem.asp?c=20&ID=38> for more information.

### **Maine Coast Heritage Trust Stewardship Crew Members and Crew Leader**

Posted 2-2-09

Maine Coast Heritage Trust (MCHT) is looking for two crew members who will work under the direction of a crew leader on many of the Trust's 70 mainland and island preserves over the summer months. Work will include trail clearing, trail improvement (including building steps and erosion control structures), boundary marking, painting of structures, basic carpentry, and vegetation control (brush saw work, clipping, etc.) Although not directly responsible for public education, the crew will be representing MCHT and will be expected to interact positively with the public when there is an opportunity. The crew will move frequently, although will occasionally work on the same site for more than one week.

Accommodations for the crew will vary, depending on location. There will be cabins at some sites, other sites will require camping. Days will be long and days off will be clustered (possibly 8 on, 4 off). Some basic gear will be provided.

Some personal work gear, camping equipment, and mainland transportation will be needed. Boat transportation will be provided to island sites.

Please visit [http://www.mltn.org/view\\_jobs.php](http://www.mltn.org/view_jobs.php) for more information.

### **Mohonk Preserve**

Posted 2-2-09

Mohonk Preserve in New Paltz, NY is offering our 2009 Vince Schaefer Research Internship and our 2009 Thom Scheuer Land Management Internship. The Mohonk Preserve is New York State's largest non-profit nature preserve in the awe-inspiring Shawangunk with integrated programs in Ecosystem Research, Land Stewardship and Management, and Environmental Education.

Please see <http://mohonkpreserve.org/index.php?jobs-internship#preserve> for more information.

### **National Science Foundation's Research Experience Undergraduate (REU) Program in Integrated Ecology**

Bradley University's Biology Department is recruiting six undergraduate students to participate in a 10-week intensive summer research experience in integrated ecology. From June 8 - August 14, 2009, participants will work in collaborative research teams and will gain experience in molecular, physiological, organismal, community and ecosystem approaches to address real environmental problems along the Illinois River Corridor. Previous research has included forest and wetland ecology, invasive species, river ecosystem health, and the effects of land-use change on soil and plants. Participants will receive training in techniques necessary to carry out their research, as well as engage in weekly talks about broader scientific topics and ethical practices. Projects will culminate in a final report and presentation of results at an end-of-summer scientific colloquium.

Students will receive a \$3,500 fellowship stipend, \$1,000 food stipend, free on-campus housing, and travel funds. Minority and female students are strongly encouraged to apply.

The program is funded through the National Science Foundation's Research Experiences for Undergraduates (REU) program. We especially encourage applications from underrepresented minorities and from students from 2-year institutions. All participants must be U.S. Citizens or permanent residents, and must be planning to enroll as an undergraduate in an accredited college or university in the fall of 2009.

Applications will be reviewed beginning March 2, 2009. Successful applicants will be notified on or before April 3, 2009. Applications are available at: <http://www.bradley.edu/academics/las/bio/research/underGrad.shtml> Questions may be directed to Dustin Hermann at [dherrmann@bradley.edu](mailto:dherrmann@bradley.edu)

### **Research Experiences for Undergraduates**

Texas A&M University-Corpus Christi is offering a summer program of research and professional development for students from May 26-July 31. This Research Experiences for Undergraduates program is sponsored by the National Science Foundation and the Department of Defense.

The major objective of the ten week annual Summer Undergraduate Research Focus (SURF)-Anthropogenic Impacts on the Environment program is to provide research experiences and education for undergraduate students, especially students from primarily undergraduate institutions.

The common focus of the research activities is investigation of the effects of human activities on the environment, particularly the coastal environment. Research experiences will be mentored by faculty members of the College of Science and Technology at Texas A&M University-Corpus Christi.

The goals of the program are to improve the critical thinking ability and communication skills of the students, and to provide hands on science experiences to foster life long science learning.

Travel Subsidy to Scientific meetings during 2009-2010  
Final Symposium, July 30, 2009

Application deadline is March 2  
Apply online ([www.sci.tamucc.edu/surf](http://www.sci.tamucc.edu/surf)) .

Visit our website to see our schedule, faculty mentors and photo gallery.

### **Summer Opportunities through e\_bear**

Harvard Forest (MA) REU - Ecological Research -  
Summer 2009  
Ecology, Research Feb. 6

## **OTHER OPPORTUNITIES**

### **JustDoOne.org: Issues Global Call for Green Solutions**

Deadline: March 1, 2009

JustDoOne is an online community for sustainable living. The Just Do One organization invites ideas for more sustainable living, summarized in short YouTube-style videos. The organization will share the entries online. The best video entry, as judged by an expert panel, will win \$5,000.

Video entries may be up to three minutes in length. Entries will be accepted from Jan. 1 to March 1, 2009. Winners will be announced April 1, 2009, in time for media coverage leading up to Earth Day. For more information: <http://www.justdoone.org/videocontest>

### **The Brower Youth Awards**

The Brower Youth Awards honors six young people annually with a \$3000 cash award and weeklong trip to the San Francisco Bay Area. During that week, award recipients will participate in a week of media and public outreach and be recognized at an awards ceremony attended by 900 members of the public.

Our honorees have protected Native sacred sites from development, restored wetlands, spread awareness about threatened sea turtles, coordinated student networks pushing for a clean energy future, and much, much more. Their impact doesn't stop there. They continue as environmental change agents, writers, organizers, visionaries, and speakers, supported by Earth Island Institute's New Leaders Initiative. Past winners have gone on to speak at Bioneers -- like Erica Fernandez 2007, launch their own groups -- like Rachel Barge 2007, and become Ashoka Fellows -- like Billy Parish 2004. Join them. Apply today for the 2009 Brower Youth Award at <http://www.broweryouthawards.org>. Applications for the 2009 awards are due May 15.

**\*For Previous Newsletters, Please Visit <http://www.bowdoin.edu/environmental-studies/resources/newsletter.shtml>**