ON CAMPUS EVENTS

Sustainable Agriculture Practices in Ecuador
Sheela Turbek '13
Tuesday, November 30th
8:00p.m., Banister 106

Global Citizens Grant recipient, Sheela Turbek '13, will share what she learned from her experience in the rural Intag and Pedro Moncayo regions of Ecuador this past summer. Sheela worked with Fundación Brethren y Unida, a non-profit organization that partners with the Asociación Agroartesanal de Campesinos Agroecológicos de Intag to recover ancestral agricultural knowledge and promote sustainable development in rural Ecuadorian communities by providing instruction in natural resource management.

What Mainers Really Think About Global Warming
Wednesday, December 1st
7:30p.m., Cram Barn, Cram Alumni House

Results from an in-depth statewide survey presented by Jon Krosnick, Professor of communications, political science, and psychology at Stanford University. Surprising results from a recent survey challenge many widely-held presumptions about public opinion in the nation and Maine and set the stage for future discussion of climate change.

Renewable Energy from the Northern Forest
With Pete Didisheim, Senior Advocacy Director at the Natural Resources Council of Maine
Thursday, December 2nd
8:30-10a.m., ES Common Room, Adams Hall

Pete joined NRCM in 1996. He holds a B.A. from Williams College in biology and environmental studies and a master’s in public administration from Harvard University, Kennedy School of Government. Among numerous governmental positions, Pete has been chief of staff for U.S. Congressman George Brown, Jr. (D-CA), special assistant to U.S. Department of Energy Secretary Hazel R. O'Leary, and executive director of the Secretary of Energy Advisory Board. Pete has worked for other nonprofits and serves on the board of the Maine League of Conservation Voters. He lives in Brunswick with his wife and two children.

The environmental impacts of sunblock products:
Environmental photochemistry of ultraviolet filter chemicals
Laura MacManus-Spencer, Assistant Professor of Chemistry, Union College
In order to make decisions about the regulation and environmental remediation of pharmaceuticals and personal care products (PPCPs) it is important to understand their fate in the environment. One class of PPCPs of current environmental concern comprises ultraviolet (UV) filter chemicals, which are used in sunscreen, lip balm, and other personal care products to protect the skin from harmful UV radiation. These chemicals enter the environment via direct (e.g., swimming) and indirect (e.g., showering and washing clothes) routes. In this study, we have investigated the environmental photochemistry of four UV filter chemicals, benzophenone-3 (oxybenzone), octyl methoxycinnamate (octinoxate), octyl dimethyl para-aminobenzoic acid (padimate-O), and homomenthyl salicylate (homosalate). Experiments were conducted under natural and simulated sunlight to determine quantum yields, environmental half-lives, and the relative importance of direct (degradation as a result of absorption of light) and indirect (degradation mediated by photo-generated excited species) photolysis for each chemical. Photolysis products have been identified where possible. Oxybenzone does not degrade by direct or indirect photolysis. Homosalate does not undergo direct photolysis but is susceptible to indirect photolysis. Octinoxate and padimate-O degrade readily by direct photolysis, and several degradation products have been identified for each chemical.

**INTERNSHIPS, FELLOWSHIPS, JOB OPPORTUNITIES, AND VOLUNTEER EVENTS**

**Morris K. Udall Undergraduate Scholarship**

The Morris K. Udall Undergraduate Scholarship seeks to support future leaders across a wide spectrum of environmental fields, including policy, engineering, science, education, urban planning, and renewal, business, health, justice, and economics.

**Award:** Up to $5,000 for tuition, fees, books, room and board, or other specifically approved expenses, as well as networking support.

**Deadline:** December 2, 2010 at noon

**Web site:** [http://www.udall.gov/](http://www.udall.gov/)

**Open to:** Sophomores and juniors

For more information, contact Eileen Johnson at ejohnson@bowdoin.edu

**Fall 2011 EPA Greater Research Opportunities (GRO) Fellowships For Undergraduate Environmental Study**

**Deadline:** December 9, 2010

The U.S. Environmental Protection Agency (EPA), as part of its Greater Research Opportunities (GRO) Fellowships program, is offering Greater Research Opportunities (GRO) undergraduate fellowships for bachelor level students in environmental fields of study. The deadline for receipt of applications is December 9, 2010 ET 4:00 PM for receipt of paper applications, and December 9, 2010, at 11:59:59 PM ET for submittal of electronic applications to Grants.gov.
availability of funding, the Agency plans to award approximately 40 new fellowships by July 29, 2011. Eligible students will receive support for their junior and senior years of undergraduate study and for an internship at an EPA facility during the summer between their junior and senior years. The fellowship provides up to $19,700 per academic year of support and up to $9,500 of support for a three-month summer internship.

For more information:

Northern New England Chapter – SWANA Scholarship

The Northern New England Chapter of SWANA has announced the availability of a scholarship for undergraduates or graduate students committed to a degree in Solid Waste Management, Environmental Science, Civil Engineering, or a related field of study. The scholarship is limited to students studying in state owned and private colleges/universities operating in Maine, New Hampshire and Vermont. The scholarship is for $1,000 per semester for the 2010-2011 academic year.

Award: $1,000 per semester
Deadline: December 24th, 2010
Web site: http://swanachapters.org/nne/AboutUs.aspx
Open to: Students committed to a degree in Solid Waste Management, Environmental Science, Civil Engineering, or a related field of study.
Submit application to: Kevin H. Roche, ecomaine, 64 Blueberry Road, Portland, ME 04102, or via e-mail: trufant@ecomaine.org

For more information, contact Kevin H. Roche at trufant@ecomaine.org.

NOAA Undergraduate Scholarship Opportunities

The National Ocean and Atmospheric Association announced a variety of opportunities for undergraduates interested in marine policy, coastal management, and other related fields.

NOAA Coastal Management Fellowship:
Application Deadline: Friday, January 28, 2011, 5:00pm
The Coastal Management Fellowship was established in 1996 to provide on-the-job education and training opportunities in coastal resource management and policy for postgraduate students and to provide project assistance to state coastal zone management programs. The program matches postgraduate students with state coastal zone programs to work on projects proposed by the state and selected by the fellowship sponsor, the National Oceanic and Atmospheric Administration (NOAA) Coastal Services Center. This two-year opportunity offers a competitive salary, medical benefits, and travel and relocation expense reimbursement.

For more information and application materials, please visit
http://www.csc.noaa.gov/cms/fellows.html

**Ernest F. Hollings Undergraduate Scholarship Program:**

**Application Deadline: Friday, February 4, 2011, 5:00pm**

The National Oceanic and Atmospheric Administration (NOAA) Ernest F. Hollings (Hollings) scholarship program is designed to: 1) increase undergraduate training in oceanic and atmospheric science, research, technology, and education and foster multidisciplinary training opportunities; 2) increase public understanding and support for stewardship of the ocean and atmosphere and improve environmental literacy; 3) recruit and prepare students for public service careers with NOAA and other natural resource and science agencies at the federal, state and local levels of government; and 4) recruit and prepare students for careers as teachers and educators in oceanic and atmospheric science and to improve scientific and environmental education in the United States.

The Hollings Scholarship Program provides successful undergraduate applicants with awards that include academic assistance (up to a maximum of $8,000 per year) for full-time study during the 9-month academic year; a 10-week, full-time internship position ($650/week) during the summer at a NOAA facility; and, if reappointed, academic assistance (up to a maximum of $8,000) for full-time study during a second 9-month academic year. The internship between the first and second years of the award provides the Scholars with "hands-on"/practical educational training experience in NOAA-related science, research, technology, policy, management, and education activities. Awards also include travel funds to attend a mandatory Hollings Scholarship Program orientation, conferences where students present a paper or poster, and a housing subsidy for scholars who do not reside at home during the summer internship.

For more information and application materials, please visit http://www.csc.noaa.gov/cms/fellows.html