

ES Newsletter, Week of April 14, 2008

ON CAMPUS EVENTS

Earth Month Events – Climate Change Projects –from local to international

New York City: America's First Sustainable Megacity

Tom Elson (Bowdoin '05),
Program Associate Environmental Defense
Monday, April 14 7:30
Schwarz Outdoor Leadership Center

Tom will give a brief presentation on his work with the Environmental Defense Fund and their efforts to make New York City a truly sustainable city. He will also be available to answer any questions about finding jobs in the environmental community. Tom has been a Program Associate for EDF since December 2006. EDF is one of the largest national non-profit environmental organizations in the U.S. and internationally. They are headquartered NYC with offices also in D.C., Boston, North Carolina, Texas, Los Angeles, San Francisco, Sacramento, and Beijing. www.edf.org

Dinner: Moulton Union- North Dining Room 6:00-7:00

If you are interested in talking with Tom about jobs in the non-profit sector, please join him for dinner before his talk.

Climate Stewardship: What do we owe future generations?

Ray Pierre Humbert
Tuesday, April 15 8:00 pm, Kresge Auditorium, VAC

The problem of global warming caused by carbon dioxide pollution is unlike any other environmental problem faced previously by society, and perhaps fundamentally unlike any crisis confronted throughout human history. Decisions we make in the next few decades will have repercussions for the kind of climate our descendants will live with for the next millennium or more, and taking a "wait and see" attitude with respect to damages is not an option. In this talk Humbert will explore the scientific basis underpinning the long-term nature of the global warming problem, and examine a few of the more severe ramifications of climate change together with a pathway to a carbon-free future.

The Saudi Arabia of Wind: Confronting Maine's Energy Catastrophe

Angus King, Bowdoin Distinguished Lecturer
Tuesday April 15 7:30 pm, Daggett Lounge, Thorne Hall

Oil has tripled in price in the last eight years; if and when that happens again, Maine will face the most daunting challenge in the state's history. With 80% of the state's homes heated with oil, more than half of its electricity generated from natural gas, and one of the most far-flung populations in the country, Maine is almost uniquely vulnerable to the impending energy catastrophe.

And yet, sweeping across the gulf of Maine is an enormous and inexhaustible energy supply--the Saudi Arabia of wind. Governor King will outline the magnitude of the national energy challenge--with a particular focus on Maine--and the potential of off-shore wind as a major part of the solution. King will outline some of the unsolved technical challenges facing this idea--underwater transmission and deep water siting, for example--and propose a national effort to resolve them--before it's too late.

Scholarship/Fellowship Information Session

Class of '09 – Thursday April 17 4:00-5:00 pm, Druck 16

Class of '10 and '11 – Wednesday April 16 4:00 – 5:00 pm, Druck 20

The Student Fellowships and Research office will cover details of the opportunities supported by national scholarships/fellowships such as Rhodes, Marshall, Fulbright, and Watson. There are many other fellowships out there and the Student Fellowships and Research office is here to assist students in finding and applying for those fellowships.

Although each day targets specific class years, students should feel free to attend either session.

Microlayer Organic Composition in the High Arctic: Marine Biogenic Precursors of Atmospheric Primary Particles?

Dr. Patricia Matai, Senior Research Scientist, Bigelow Laboratory for Ocean Sciences

Friday, April 18, 2008 3:00 pm Druck 20, Reception 2:30 pm Druck 26

Particulate organic matter, including microorganisms, small water-insoluble particles and microaggregates, can form a substantial part of the summer aerosol over the open leads of the central Arctic Ocean. The increased presence of leads during the summer melt increases the biological activity of the region possibly resulting in accumulation of organic material, especially in the surface microlayer. Preferential microlayer enrichment of particulate and dissolved organic matter and gases might be reflected in derived aerosols. The subsurface seawater and microlayer concentrations were determined for dimethyl sulfide (DMS) and its biogenic precursor dimethylsulfoniopropionate (DMSP), dissolved combined amino acids (DCAA) and individual amino acids, proteins, chlorophyll a (chl a) and bacterial cells as well as bacterial production. Enrichment factors and surface excess concentrations in the surface microlayer were calculated. Concentrations of particulate and dissolved DMSP, chl a - containing material, and bacterial cells were consistently enriched in arctic lead microlayers at 89°N in August 2001. DMS, protein and DCAA concentrations, however, were not in excess in surface microlayers, although proteins were occasionally enriched. Co-occurrences of enrichment and atmospheric nucleation events will be discussed.

Eco-Service Day,

Saturday April 19 12:30-4 pm

Sustainable Bowdoin will kick off Earth Week with Eco-Service Day. Eco-Service Day provides students with a wide variety of outdoor service options in the greater Brunswick community. This year, projects include trail maintenance for the Cathance River Education Alliance, Bowdoin's Coastal Studies Center, working on Bowdoin's Organic Garden, stream cleanup on Pleasant Street, and a lobster census with The Lobster Conservancy. Eco=Service

Day is a chance for students, faculty, and staff to get outside and work together to celebrate the earth. Groups, such as athletic teams, social houses, and clubs, are welcome to block off a project.

OFF CAMPUS EVENTS

The Great Turning – a film presentation and discussion

Earth Day, Tuesday, April 22, 2008, 7:00pm, The Frontier Café at Fort Andross \$5.

In this provocative 52-minute film presentation, author David Korten explains how 5,000 years of empire building has brought us to this place in history and how building Earth Community will save us. We are in the midst of a great turning of consciousness. Following there will be a facilitated discussion led by Craig Freshley, a Brunswick-based professional meeting facilitator with 15 years of experience in the sustainability movement. Perhaps the evening will result in establishing an ongoing discussion group about The Great Turning - From Empire to Earth Community. Copies of the book will be available for sale.

Please join us for this unique Earth Day presentation and discussion.
Bring your stories of hope to share.
Please pass along this notice to others.

For more information:

www.TheGreatTurning.net

www.ExploreFrontier.com

www.GoodGroupDecisions.com

NEW POSTINGS:

JOBS – SUMMER JOBS

Summer Internship Opportunity – Economic Study of Bayside Promenade

I am currently serving as co-chair of the Bayside Promenade, which is a collaboration of the City of Portland, The Trust for Public Lands and Portland Trails to build a green space/ urban trail on the street connecting Forest Avenue and Franklin Street (Whole Foods is on the Franklin Street corner of this street). There will be parks, pedestrian and bike lanes along with commercial and residential properties. This project WILL happen as the City has purchased the land, moved the metal fabricators and junkyards out to Riverside and is actively soliciting offers to develop adjoining properties. As our committee increases fundraising activities (we'll need around 5MM) I wanted to see about doing a study on the economic impact of the proposed "Promenade". I think this could be a great project for a student or two with the added attraction of seeing if your projections played out. I would intend to use the study for fundraising purposes showing that pedestrian friendly open spaces have great economic benefit. David Vail would serve as faculty advisor. For more information contact Eileen (ejohnson@bowdoin.edu)

-Mike Boyson

PREVIOUS POSTINGS:

JOBS – SUMMER JOBS:

Nevada Conservation Corps – Trail/Chainsaw Summer Restoration Crew

Nevada Conservation Corps is currently recruiting for summer crew member positions on Trail/ Chainsaw Summer Restoration Crew.

The openings might be attractive and desired by students looking for summer employment.

Environmental Studies students may be very interested in this summer opportunity.

For more information, visit www.thegreatbasininstitute.org or contact:

Kasia Urban
Recruitment Specialist
Great Basin Institute
University of Nevada, Reno
Mail Stop 0099
Reno, NV 89557
Phone:775-324-0119
Fax:775-624-8480

Hannaford - Composting and Recycling Internship Corporate Headquarters – Scarborough, ME

This is a full-time paying internship position for a student enrolled in a Bachelor's degree program. Beginning in May, it is anticipated that the duration of the position will be three months. Reporting to the Environmental Sustainability Manager, the overall focus of the project will be improving food waste recycling (composting) programs at Hannaford. The intern will be exposed to existing food waste recovery programs at stores, assist with program improvements, and work toward adding new compost programs. Specifically, the intern will be responsible for evaluating the potential for composting food waste from our corporate cafeteria and developing a plan for zero-waste events (to be tested at the Hannaford Associates summer barbecue). The project may involve messy operations - including weighing and tracking food waste from retail stores. Occasional travel is required as well.

Key deliverables will include the following:

- Waste audit of 1-2 Hannaford stores
- A tested plan for implementing composting at the corporate cafeteria
- Zero-waste plan for corporate events

Qualifications

- Enrolled in a Bachelor's degree program in Environmental Science, Biology or similar
- Strong academic performance, minimum GPA 3.0 strongly preferred
- Previous experience with composting and recycling program development is desirable
- Demonstrated research and analytical skills
- Solid computer skills; proficient with excel spreadsheets
- Clear and effective communicator (with a variety of colleagues at all levels)

- Solid interpersonal skills
- Valid driver's license and the ability to travel occasionally
- Demonstrated leadership abilities and strong initiative

To apply, please email cover letter, resume (including gpa) to:

Cathy Nugent, Strategic Staffing and University Relations
cnugent@hannaford.com
p: 207-885-2603 or 800-442-6049 ext. 2603

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