

NRES WEEKLY NEWS

Sept. 27 - Oct. 1, 2010

A newsletter for faculty, staff and students
who participate in the
Natural Resources & Environmental Studies Institute
and NRES Graduate Programs



COMING EVENTS

NRESI RESEARCH COLLOQUIUM SERIES

This Friday

Dr. Anna Thompson

Department of Tourism / Centre for Recreation Research
University of Otago, New Zealand



Conservation Parks: lands of opportunity for families in the outdoors of Aotearoa, New Zealand

Dr Anna Thompson (nee Carr) is a senior lecturer in the Department of Tourism. She has worked at Egmont, Tongariro and Aoraki/Mt Cook National Parks with Lands and Survey and then the Department of Conservation. Anna has also been co-owner/operator of two adventure tourism companies. She sits on the NZ Mountain Safety Council National Research Committee, National Ecotourism Advisory Committee and is a director of Te Ana Whakairo (Ngai Tahu Maori Rock Art Centre Trust). Anna is also co-director of the University of Otago's Centre for Recreation Research (<http://www.crr.otago.ac.nz>). The centre aims to develop theoretical and practical knowledge about commercial and non-commercial outdoor recreation in rural, urban and natural areas, both in New Zealand and overseas.

Anna has published in the fields of eco tourism, adventure tourism, entrepreneurship and visitor interpretation. Her PhD examined the management of visitors' experiences of cultural values for landscapes in New Zealand, with a focus on integrating cultural values within interpretation. From 1999 to 2002 Anna worked on a nationwide FRST funded project investigating *Ecotourism in New Zealand: profiling visitors to New Zealand ecotourism operations*. Recent externally funded work includes research for the Department of Conservation in the Hakatere, Ahuriri and Ruataniwha Conservation Parks. With a number of collaborators Anna has also received SPARC funding for two projects - 'Family preferences, experiences and benefits associated with outdoor in Aotearoa' and 'Immigrants and the Outdoors'.

September 24, 2010

3:30 - 4:30 pm

Lecture Theatre 7-150

AS THERE WILL BE NO TIMBITS, ETC. SERVED, PLEASE REMEMBER TO BRING YOUR OWN REFRESHMENTS!

Next Friday

Dr. Peter Kevan

University of Guelph



Alliances between beneficial insects, plants and fungi pollinate, protect, and promote crop production

When you sink your teeth into a luscious greenhouse-grown tomato, thank a bumblebee for pollinating tomato flowers. Bumblebees are essential world-wide for pollination of greenhouse grown vegetable crops. Apart from being great pollinators because of their ability to obtain and disperse pollen, they can also be used to disseminate other tiny particles, notable fungal spores. Although some fungi are plant pathogens, others can be used, as biological control agents, to fight crop pests. Using special dispensers on the fronts of bumblebee hives placed into greenhouses for crop pollination, fungal and microbial biological control agents can be disseminated onto the target crop plants where they attack other fungal pests, such as grey mould (*Botrytis*) as well as a suite of insect pests, such as tarnished plant bug, peach aphid, white fly, and thrips. By mixing two biological control agents, such as *Clonostachys rosea* and *Beauveria bassiana*, the formulations are safe for the bumblebee vectors, suppress pathogenic fungal infections and populations of pest insects, and allow for effective pollination of crops such as tomato and bell pepper. The same sort of technology is being used on field crops such as strawberries, raspberries, blueberries, possible apple and pears, and some oil seed crops like sunflower and canola for which honeybees are the primary vector-pollinators.

The R & D presented in this seminar has come about from the results of pioneering efforts in Canada at the University of Guelph, Agriculture & AgriFood Canada, and private industry.

October 1, 2010

3:30 - 4:30 pm

Lecture Theatre 7-150

**DR. KEVAN'S PRESENTATION WILL BE FOLLOWED BY POSTER PRESENTATIONS BY
NRES GRADUATE STUDENTS IN THE WINTER GARDEN.**

ALL WELCOME!

For Elluminate information and link to the webcast: http://www.unbc.ca/nres/nresi_webcast.html

For a list of upcoming seminars: <http://www.unbc.ca/nres/seminar/>

OTHER COMING EVENTS

GLOBAL FRIDAYS
SENATE CHAMBERS
12:00 - 1:30 pm

September 24, 2010

Dr. Kurt Hubner, Professor of European Studies & Director of the Institute for European Studies at UBC

“The Euro Crisis — the End of a Bold Experiment?”

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CDI COMMUNITY SPEAKERS SERIES

The Community Development Institute

Tuesday, October 5, 2010 7:00 pm Room 7-150



University of Northern British Columbia

Ramona Rose, MA, MMst, Head, Archives & Special Collections, the Northern B.C. Archives and Special Collections at the Geoffrey R. Weller Library, UNBC

Ms. Rose's presentation will focus on collaborative efforts to preserve First Nations community-based archival materials at UNBC, the 'in-trust' holding agreements created, and collaborative working relationships forged. The presentation will consider also future needs for the continuing development of First Nations archives.



4th Annual Dr. Max Blouw QRRC Open House — Saturday, October 2nd starting at 10:00 am. Research talks by UNBC faculty and students will be followed by a BBQ and site tour. If you are interested in attending and would like to travel with other UNBC folks please contact Phil Owens (owensp@unbc.ca) by Monday, September 27th.

UNBC will be receiving each seminar in high definition video in the Access Grid collaboration room in Admin 2024.

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2010 COAST to COAST Canadian Seminar Series:
The Marine Environment and Climate Change: Problems and Possible Solutions

October 5 — 11:30-12:20

Randall Martin, Dept. of Physics & Atmospheric Science, Dalhousie University

Satellite remote sensing of atmospheric composition (such as aerosols, ozone, and their precursors) has progressed markedly over the past decade. Global numerical modeling plays a critical role in interpreting these observations. This talk will highlight recent advances in both remote sensing and global modeling of the troposphere, and their application for insight into processes affecting climate and global air quality.

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UNBC FISH & WILDLIFE STUDENT CHAPTER OF THE WILDLIFE SOCIETY

On Wednesday, October 6th, **John Neville (President of BC Nature)** will present a special NRESI Colloquium entitled “*Voices of the Night: the Owls of British Columbia*”. John's talk will begin at 7:00 pm in 7-238 (**Weldwood Theatre**) and is co-sponsored by the UNBC Fish and Wildlife Student Chapter of TWS and by the Prince George Naturalist Club. Please note that this talk will not be available over the web (via Elluminate) because of the integral use of sounds throughout the presentation.

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WELCOME

Please welcome Tania Angela Terán Mita to NRES. Tania is a PhD student at the Universidad Politécnica de Cartagena (Spain) working on the biogeochemistry of Hg and As in soils and plants around artisanal mining areas in the Andes Mountains in Bolivia. While at UNBC, she will be conducting chemical, x-ray diffraction and electron microscopic analyses under the supervision of **Lito Arcena**.

We're on the web at : www.unbc.ca/nres/newsletter

REMINDER: Share your information about recent publications, grants, and/or other honours you may have received with others interested in NRES issues.

PLEASE EMAIL ALL INFORMATION AND MATERIAL TO MICHELLE KEEN: keenm@unbc.ca

PUBLICATIONS

- Debela, F., **Arocena, J.M.**, **Thring, R.W.** and **T. Whitcombe** (2010) "Organic acid-induced release and lead from pyromorphite and its relevance to reclamation of Pb-contaminated soils." *Chemosphere* 80: 450-456
- Brahney, J., Clague, J.J., Edwards, T.W.D., and **B. Menounos** (2010) "Late Holocene paleohydrology of Kluane Lake, Yukon Territory, Canada." *Journal of Paleolimnology* 44(3): 873-885

NEWS / EVENTS

One of our Forestry alum – Som Pun - was named "Forest Professional of the Week":
http://www.abcfp.ca/entering_the_profession/students/forest_pro.asp

Nathan Einbinder, MA NRES '10 (supervisor: **Catherine Nolin**) has a new publication:

Einbinder, Nathan (2010) Guatemalan women speak out against rape: soldiers, police, security terrorized residents who live in nickel-rich area. *The Dominion*, Issue 71, 23 August <http://www.dominionpaper.ca/articles/3607>

Jane Young and her research assistant from this past summer, Sam Barnes, were invited to the Regional UNBC Board of Governors meeting to give a presentation, "Documentation of traditional ecological knowledge of Prophet River First Nation for protection of plants and plant gathering sites" (B. Wolf, J. Young, C. MacKay, A. White, and S. Barnes). Jane and Sam travelled to Fort St. John for the meeting and Sam gave the presentation on Saturday, September 18 to the board. Prophet River project partner, Brian Wolf, also attended the presentation.