



## NRES WEEKLY NEWS

September 2 - 9, 2005

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

### WEDNESDAY, SEPTEMBER 7

#### THESIS DEFENCE

Mr. David Arkinstall, candidate for the degree:

**Master of Science in Natural Resources and Environmental Studies**

will be defending his thesis entitled:

“INFLUENCE OF DISSOLVED ORGANIC CARBON ON AGGREGATION  
AND AGGREGATE CHARACTERISTICS”

Supervisor: **Dr. Ellen Petticrew**, Geography Program

**Date:** Wednesday, September 7, 2005 **Time:** 10:00 am **Place:** Senate Chambers

### FRIDAY, SEPTEMBER 9

#### NRES / CSAM RESEARCH COLLOQUIUM SERIES



“Temporal development of decaying log habitats  
in wet spruce–fir stands”

**Date:** Friday, September 9, 2005

**Time:** 3:30 - 4:30 pm

**Place:** Lecture Theatre 9 - 200  
Medical Building

**Ben Heemskerck**

NRES Student

UNBC Cooperative Education Student

Light Refreshments served at 3:15 pm

**IMPORTANT NOTICE:** We are currently in the planning stages of the 2005-2006 NRES Colloquium. This is a great opportunity to showcase your recently completed research. The colloquium series also offers visiting colleagues and postdocs an opportunity to communicate

and interact with the NRES community. We have a small budget to offset travel costs so please forward suggestions for off-campus speakers. Contact **Chris Johnson** (johnsoch@unbc.ca; 5357) or **Eric Rapaport** (rapaport@unbc.ca; 5359) for more information.

## PUBLICATIONS



- **Bluskov, S., J.M. Arocena, O.O. Omotoso and J.P. Young.** 2005. Uptake, distribution, and speciation of chromium in *Brassica juncea*. *International Journal of Phytoremediation* 7:153-165.
- Berch, S.M., **H.B. Massicotte** and L.E. Tackaberry. 2005. Re-publication of a translation of 'The vegetative organs of *Monotropa hypopitys* L' published by F. Kamienski in 1882, with an update on *Monotropa mycorrhizas*. *Mycorrhiza* 15: 323-332.
- **García, Oscar.** 2005. TADAM: A dynamic whole-stand approximation for the TASS growth model. *The Forestry Chronicle* 81 (4):575-581.
- **Fredeen AL, Bois, CH, Janzen, DT, PT Sanborn** 2005. Comparison of coniferous forest carbon stocks between old-growth and young second-growth forests on two soil types in central British Columbia, Canada. *Canadian Journal of Forest Research* 35: 1411-1421.
- A. Andersson, **Alstrom-Rapaport, C.** and K. Fredga. 2005. Lack of mitochondrial DNA divergence between chromosome races of the common shrew, *Sorex araneus*, in Sweden. Implications for interpreting chromosomal evolution and colonization history. *Molecular Ecology* 14: 2703-2716.
- **Thompson MD** and Russell AP (2005) Glacial retreat and its influence on migration of mitochondrial genes in the long-toed salamander (*Ambystoma macrodactylum*) in western North America. In Ashraf Elewa (ed.), *Climatology, Geography, Ecology: Causes of Migration in Organisms*. Heidelberg, Germany: Springer-Verlag Publishers. Pp. 205-246.
- **Kathy J. Lewis, R. Douglas Thompson** and Lori Trummer (2005) Growth response of spruce infected by *Inonotus tomentosus* in Alaska and interactions with spruce beetle. *Canadian Journal of Forest Research* 35: 1455-1463

## WHAT'S NEW?



- The June/July 2005 issue of "What's New @ UNBC Geography" is available as a PDF at: <http://www.unbc.ca/geography/> or <http://web.unbc.ca/geography/whatsnew/> under "News."

## THESIS DEFENCES

- ◆ On August 23, **Doug Thompson**, candidate for the degree: Master of Science in Natural Resources and Environmental Studies (Forestry), successfully defended his thesis entitled:

"FINE-SCALE DISTURBANCE AND STAND DYNAMICS IN MATURE, SPRUCE-SUBALPINE FIR FORESTS OF CENTRAL BRITISH COLUMBIA"

Supervisor: **Dr. Kathy Lewis**, Ecosystem Science and Management

- ◆ On August 24, **Michael Mitchel**, candidate for the degree: Master of Science in Natural Resources and Environmental Studies, successfully defended his thesis entitled:

"MONTANE LANDSCAPE HETEROGENEITY AND VEGETATION CHANGE IN JASPER NATIONAL PARK, ALBERTA (1949-1997)"

Supervisor: **Dr. Roger Wheate**, Geography

## INVITATIONS

- **Kevin Hall** (Geography) has been invited by a multi-national mining consortium to be part of the team to undertake the environmental impact assessment in regard to permafrost in the high Andes of Argentina/Chile. 
- **Kevin Hall** was one of very few from Canada (the invitees came from all over the world) asked to write about his background to exploration and what it means for a book "Lives Dreams Are Made Of" being published by the "Explorers Club of New York".
- **Kevin Hall** was officially invited to be lead scientist for a Sweden/Finland sponsored (and IPY accepted) project which is part of the International Polar Year undertaking in northeast Svalbard (at 80 degrees North) - to co-ordinate a team of 19 international scientists to work on permafrost and periglacial processes as part of the Polar Year science projects in 2007 and 2008.

**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 Lucille Guiney: [guineyl@unbc.ca](mailto:guineyl@unbc.ca)**

## TRAVEL



- **Michael Hurley** and **Eric Rapaport** presented their work on A Moose-Vehicle Collision Model for Glacier and Mount Revelstoke National Parks, British Columbia, Canada at the International Conference on Wildlife Ecology and Transportation, August 29-Sept, 02/ San Diego, California.
- **Phil Burton** attended the Ecological Society of America (ESA) 90th Annual Meeting held jointly with the IX International Congress of Ecology (INTECOL) in Montreal, August 7-12. In addition to chairing a couple of sessions, Phil also presented two papers: P. Burton & A. Mitchell, "Research Networks as Vehicles for Large-Scale Ecological Manipulations: Some Canadian Examples," and P. Burton, S. Taylor & G. Thandi, "The Disturbance Ecology of Northwestern Canada: Factors and Consequences."
- **Paul Sanborn** attended a meeting of university forestry schools and the Canadian Federation of Professional Foresters Associations in Prince Albert, Saskatchewan, on Aug 24th, to discuss proposed changes to academic standards.
- **Ken Otter** attended the Animal Behavior Society meeting in Snowbird, Utah, August 6 - 12.

## PRESENTATIONS



- 90th Annual ESA & INTECOL Joint Meetings: Montreal, Canada, August 6 - 12: :

**Botting RS and AL Fredeen** 2005. Terrestrial bryophyte and lichen diversity and abundance in old-growth and young second-growth sub-boreal spruce forest.

**Fredeen AL**, Pypker TG, JD Waughtal 2005. When do sub-boreal clearcuts become net sinks for CO<sub>2</sub>?

**Bois CH, DT Janzen, PT Sanborn, RD Wheate, AL Fredeen** 2005. An Ecosystem Component Carbon Stock Assessment of a Managed Research Forest in the Sub-Boreal Zone of Central British Columbia.

**Janzen DT, CH Bois, PT Sanborn, MJ Jull, RD Wheate, AL Fredeen** 2005. Spatial and Multitemporal Modelling of Carbon Stocks and Sequestration on the Aleza Lake Research Forest, BC.

## CELEBRITY NEWS

- **Kevin Hall** was interviewed by "Outpost Magazine" (winner of Canada's top magazine award) for an article on his work on San rock art in southern Africa.

## APPOINTMENTS

- **Kevin Hall** (Geography) has been appointed to the BC Degree Quality Assessment Board to evaluate the Geography degrees of a new BC university.

## CONGRATULATIONS!

- Congratulations to **Kathy** and **Dezene** whose Letters of Interest (LOIs) have been approved in principle and are invited to provide the details required to develop an approved MPBI project.

**Kathy Lewis:** Using reconstructed outbreak histories of mountain pine beetle, fire and climate to predict the risk of future outbreaks.

**Dezene Huber:** Terpenoid defense in pines as a factor affecting the eastern spread of the mountain pine beetle.

## WELCOME

- Please join us in welcoming the following people:

**Pat Maher**—New RRT Faculty Member  
Rm 8—144, Local 5235  
Email: maherp@unbc.ca

**Theresa Burg** - Biology sessional  
Rm 8-339, local 5249  
Email: theresaburg@yahoo.com

**Adrian Clarke**—Biology sessional  
Rm 8-339, local 5249  
Email: Adrian.Clarke@gov.bc.ca

**Eric Mellina**—Biology sessional  
Rm 8-339, local 5249  
Email: mellina@interchange.ubc.ca

**John Pousette**—Forestry sessional  
Email: pousettj@unbc.ca

**Theresa Healey**—Envs sessional  
Email: healey@unbc.ca

**Sarah Boon**—Geography sessional  
Rm 8-147, local 6645  
Email: boon@unbc.ca

**Chunhua Zhang**—Geography sessional  
Rm 8 -242, local 6359  
Email: zhangc@unbc.ca

**Monika Gorzelak**, M.Sc Graduate Student  
Working with **Hughes Massicotte**.



## UPCOMING FUN EVENTS

Wednesday, September 14



### **THE AMAZING RRT RACE**

When: Wed. September 14, 4:30—6:30 pm

Where: UNBC Campus and area—starts at the Wintergarden

Who: Open to all UNBC students

How: Contact Kim MacLean at 960-5132 or email: [macleank@unbc.ca](mailto:macleank@unbc.ca)

### **GRAND PRIZE—SKI SMITHERS WEEKEND FOR 2**

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Thursday, September 29

### **DOUG LITTLE MEMORIAL LECTURE**

When: Thursday, September 29, 7:30 pm

Where: Canfor Theatre, Room 6-213

Who: Everyone is invited

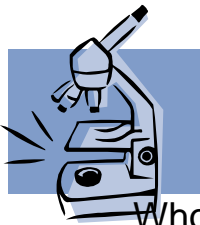
Guest Lecturer: Dr. David Lindenmayer



Mark your calendars - The annual **Doug Little Memorial Lecture** will be held on Thursday, September 29th. The guest Lecturer is Dr. David Lindenmayer who is a professor at the Centre for Resource and Environmental Studies at the Australian National University.

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Friday, September 30



### **NRES RESEARCH FORUM**

When: Friday, September 30, 2:30—5:30 pm

Where: Bentley Hallway

Who: All Nres Graduate Students and Faculty are invited to attend

Guest Speaker: Dr. Max Blouw, VP Research UNBC

Please join us for a Mini-Symposium and Social at the University of Northern British Columbia. Graduate students from the Natural Resources and Environmental Studies programs will be presenting their latest research findings in poster and oral presentations. The symposium offers an opportunity for students to present research projects to their peers and faculty, and provides a venue for faculty to learn more about students' research.

DETAILS TO FOLLOW

Refreshments will be served!

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