



NRES WEEKLY NEWS

February 13 - 17, 2012

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

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



**Thursday
Feb. 16, 2012**

Dr. Brian Pickles

Postdoctoral Research Fellow, UBC-Okanagan

Tales from the underground: Mycorrhizas, migrating trees, and climate change



The idea of climate change conjures up images of polar bears on shrinking ice, rising sea levels and extreme weather events. These are all appropriate concerns in the short-term. However, over longer time-periods climate change will generate large shifts in the distribution of ecosystems, with trees migrating across continents. Even these responses to altered conditions are relatively easy to imagine, but when it comes to below-ground organisms, how do we make predictions about their future distributions?

From the fossil record we know that mycorrhizal symbioses, involving plants and fungi, have occurred since plants arrived on land. Mycorrhizal fungi colonise the roots of host plants, where they exchange nutrients for carbon and provide other important services such as protection from pathogens. It is estimated that over 90% of all plant species form these symbioses.

Environmental changes generate important ecological challenges for symbioses. Here I discuss the potential impacts of climate change on the ectomycorrhizal symbiosis, focusing on Interior Douglas-fir and its fungal partners, which is a vital part of Canada's temperate and boreal forest ecosystems.

Thursday, February 16, 2012

3:30 - 4:30 pm

Room: Weldwood Theatre (7-238)

NO COLLOQUIUM FEBRUARY 24th

READING WEEK BREAK



Dr. Ted Binnema

Professor, Dept. of History, UNBC

Do Salmon Eat Moose? Reconstructing the BC Environment, 1806-1913



Wildlife biologists increasingly understand that management decisions relating to dwindling mountain caribou herds in British Columbia, and woodland caribou herds throughout Canada's subarctic must take into consideration the historical relationships amongst caribou, moose, and wolves. I will argue that the research must be expanded across more trophic levels in an effort to reconstruct past environments more completely. Indeed, I will argue that the population levels of caribou cannot be understood unless salmon are considered. The presentation will be based on an analysis of historical documents, including unpublished documents of the Hudson's Bay Company.

Friday, March 2, 2012

3:30 - 4:30 pm

Room: 7-152

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

PLEASE EMAIL ALL INFORMATION AND MATERIAL TO: [Michelle Keen: keenm@unbc.ca](mailto:keenm@unbc.ca)

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



ELSEWHERE

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

February 17, 2012
Dr. Amy Hanser, Dept. of Sociology, UBC

“China’s Infant Formula Scandals: Consumer Crisis and China’s Middle Class”

PUBLICATIONS

Garcia, O. 2011 “LINK News: Growth and yield of interior spruce: filling in the blanks”. *BC Journal of Ecosystems and Management* 12(3): xvi-xvii <http://jem.forrex.org/index.php/jem/article/view/182/104>

Fettig, Christopher J., McKelvey, Stephen R., Dabney, Christopher P. and **Dezene P. W. Huber** 2012 “Responses of *Dendroctonus brevicomis* (Coleoptera: Curculionidae) in Behavioral Assays: Implications to Development of a Semiochemical-Based Tool for Tree Protection”. *Journal of Economic Entomology* 105 (1): 149-160

Bouquey, N., Campbell, L.M., Cumming, G. **Meletis, Zoë A.**, Norwood, C. and J. Stoll 2012 “Interpreting Amenities, Envisioning the Future: Common Ground and Conflict in North Carolina’s Coastal Communities”. *Geojournal* 77(1): (2012) 77: 83-101
doi: 10.1007/s10708-010-9387-1 <http://www.springerlink.com/content/q76777g5126156t2/fulltext.pdf>

TRAVEL / RESEARCH / CONFERENCES

Zoë A. Meletis will be travelling to New York City to present a paper entitled “Facebook, and friction of distance. Reflecting on real and virtual friendship in international fieldwork” at the Annual Meeting of the Association of American Geographers (AAG). She was also invited to participate in a panel entitled “Getting Your First Academic Job” at the meeting. The conference runs from February 24th - 28th.

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



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