



NRES WEEKLY NEWS

January 23 - 27, 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 SERIES

Jan. 27, 2012

Brad C. Hawkes, PhD (ret - RPF)

Fire Research Officer, Natural Resources Canada
Canadian Forest Service



When it's hot, it's hot . . . or maybe it's not!
Thirty Years of Forest Fire Research — a Personal Reflection

The last thirty years of Canadian fire research has resulted in a better understanding and prediction of fire behaviour and effects, fire regimes, interaction of natural disturbances, prescribed burning, fuel dynamics, and fire risk and mitigation. This research has been a collaborative effort involving federal, provincial, and territorial agencies, universities and colleges, forest industry, and the private sector. Over the last 35 years, first as a graduate student and then as a fire researcher with the Canadian Forest Service, I have had the privilege of participating in some of this interesting research, both in BC and YK, and across the country. This talk is a personal reflection of my "hot and 'cool" " research experiences and results; the interesting and the inspiring people I have worked with; and some lessons learned. A grade 8 student shared the following with me after I gave a "forest fire" talk in his class: "I did not know there was a career path for someone who liked to play with matches as a kid".

Friday, January 27, 2012

3:30 - 4:30 pm

Room: 7-152

Feb. 3, 2012

Margot W. Parkes, PhD

Canada Research Chair in Health, Ecosystems & Society
School of Health Sciences, UNBC



**EcoHealth, OneHealth, Global Health: Why diversity, emergence
and resilience are key to responding to wicked problems**

Ecohealth has emerged as a nexus of scholarly and practical effort at a time of considerable transition in research, policy, practice, and education. This presentation will offer a critical reflection on where ecohealth is headed as a transdisciplinary endeavour and how this emerging field positions itself among a series of other 'turn of 21st century' efforts such as OneHealth and Global Health. Early impetus for the journal EcoHealth drew on the momentum of 'Ecosystem Health' and 'Global Change and Human Health', plus growing interest in a journal to represent 'Conservation Medicine' and related fields. In the decade since, ecohealth has been informed by scholarly lineages that include 'ecosystem approaches to health'; rapid expansion in the field of disease ecology; richer understanding of complex ecosystem dynamics and their relationships with human well-being across cultures and societies; and increased recognition of the social-ecological context for animal and human health. As well as these different lineages, the influence of international conventions, declarations and assessments cannot be overlooked. Some would argue that ecohealth offers a conceptual space and scholarly home for the convergence, synthesis, and commonalities among, for example, the Rio Declaration on Sustainable Development, the International Panel on Climate Change, the Millennium Ecosystem Assessment, the WHO Commission on the Social Determinants of Health, and the UN Declaration on Rights of Indigenous Peoples' Rights. Informed by the boundary-crossing involved with establishing an international, transdisciplinary journal and Association, this presentation reflects on a decade of field-building efforts, and the scholarly diversity, emergence and resilience required to understand and address the wicked problems that ecohealth is a direct response to.

Friday, February 3, 2012

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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

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

ELSEWHERE

GLOBAL FRIDAYS
ROOM 6-307
12:00 - 1:30 pm

January 27, 2012
Dr. Mark Nuttall, University of Alberta
"Greenland's Inland Ice and the Global Imagination"

CONGRATULATIONS

A paper in Landscape Ecology by recent graduate Honey-Marie de la Giroday, co-authored by **Staffan Lindgren** and adjunct faculty Allan Carroll and **Brian Aukema**, was recently selected for post-publication peer review by the Faculty of 1000 (www.f1000.com) and received a "must read" recommendation. The short version: "This study of the rapid spread of mountain pine beetle (*Dendroctonus ponderosae*) in the boreal forest of Canada is a must read for those interested in spatial processes related to the spread of insects and diseases across large landscapes with diverse topographical features... This study is an excellent model for future analyses of insect spread in a changing climate." The paper de la Giroday et al. (2011) Landscape Ecology 26: 1097-1110 is available at <http://www.forest-insects.umn.edu>. Nice work, Honey!

Look for Honey's second MSc thesis chapter to appear shortly in *J Biogeography*:

de la Giroday, H.-M., Carroll, A.L., and **B.H. Aukema**. 2012 Breach of the northern Rocky Mountain geoclimatic barrier: Initiation of range expansion by the mountain pine beetle. *Journal of Biogeography* DOI: 10.1111/j.1365-2699.2011.02673.x

PUBLICATIONS

Grava A., Grava, T., Didier, R., Lait, L.A., Dosso, J., Koran, E., Burg, T.M., and **K. A. Otter** 2012 "Interspecific dominance relationships and hybridization between black-capped and mountain chickadees". *Behavioral Ecology* doi:10.1093/beheco/arr229 (published online 19 Jan 2012)

(Angelique and Thibault Grava are PhD NRES students, and this is part of Angelique's thesis. Regis Didier was an international research associate here. Theresa Burg was my sabbatical replacement in 2005/2006, and is now on faculty at University of Lethbridge – the remaining authors are students in her lab who conducted some of the genetic analysis for us.)

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