



NRES WEEKLY NEWS

April 2 - 13, 2012

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

GRADUATE THESIS DEFENCE

Ms. Angelique Grava is a candidate for the degree:

Doctor of Philosophy

Ms. Grava will be defending her thesis entitled:

“Interspecific Interactions Between Mountain and Black-Capped Chickadees Within a Rare Contact Zone”

Supervisor: **Dr. Ken Otter**

Date: **April 16, 2012** Time: 9:00 am Room: 6-205/211

GRADUATE THESIS DEFENCE

Mr. Thibault Grava is a candidate for the degree:

Doctor of Philosophy

Mr. Grava will be defending his thesis entitled:

“Effect of Habitat Quality on Communication and Signalling in the Black-Capped Chickadee”

Supervisor: **Dr. Ken Otter**

Date: **April 17, 2012** Time: 9:00 am Room: 6-205/211

GRADUATE THESIS DEFENCE

Ms. Elizabeth (Libby) Williamson is a candidate for the degree:

Master of Science in Natural Resources and Environmental Studies (Biology)

Ms. Williamson will be defending her thesis entitled:

“Impacts of Industrial Developments on the Distribution and Movement Ecology of Wolves (*Canis lupus*) and Woodland Caribou (*Rangifer tarandus caribou*) in the South Peace Region of British Columbia”

Supervisor: **Dr. Chris Johnson**

Date: **April 18, 2012** Time: 9:00 am Room: Senate Chambers

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



GRADUATE THESIS DEFENCE

Ms. Gail Millar is a candidate for the degree:

Master of Science in Natural Resources and Environmental Studies (Environmental Science)

Ms. Millar will be defending her thesis entitled:

“Characterizing Residential Wood Smoke at the Neighborhood Scale: An Evaluation of Five Communities in Central British Columbia”

Supervisor: **Dr. Peter Jackson**

Date: **April 20, 2012** Time: 9:30 am Room: Senate Chambers

ELSEWHERE

Forest Service Movie Night — **April 18th**, Central Interior Railway and Forestry Museum (850 River Road). Reception 6:30 pm, first movie at **6:30 pm**. A trip down memory lane, showing old movies produced by the Forest Service, including old Training films and Historical narrative of the Forest Service.

CONGRATULATIONS

Chris Johnson and **Mike Gillingham** (Ecosystem Science and Management Program) were awarded a grant from the Habitat Conservation Trust Fund to study the cumulative impacts of landscape change on the distribution and abundance of furbearer species found across central and Northern BC. Working with a graduate student, they will use expert knowledge, elicited from professional biologists and trappers, as well as existing databases of fur returns to quantify changes in furbearer populations relative to landscape disturbance.

Chris Johnson and Melissa Todd (Ministry of Forests, Lands, and Natural Resources Operations) received a second year of funding to study the habitat ecology and movement dynamics of tailed frogs. Graduate student Alexis McEwan (NRES—Biology) will continue to have most of the fun, chasing frogs in the wet forests around Terrace, BC.

PUBLICATIONS

Sambaraju, K., Carroll, A.L., Zhu, J., Stahl, K., Moore, R.D. and **B.H. Aukema**. 2012 “Climate change could alter the distribution of mountain pine beetle outbreaks in western Canada”. *Ecography* 35: 211-223

Haughian, S.R., **Burton, P.J.**, Taylor, S.W. and C.L. Curry 2012 “Expected effects of climate change on forest disturbance regimes in British Columbia”. *BC Journal of Ecosystems and Management* 13(1): 1-24 Available online at: <http://jem.forrex.org/index.php/jem/article/viewFile/152/107>

Keeling, C.I., Henderson, H., Li, M., Yuen, M., Clark, E.L., Fraser, J.D., **Huber, D.P.W.**, Liao, N.Y., Docking, T.R., Birol, I., Chan, S.K., Taylor, G.A., Palmquist, D., Jones, S.J.M. and J. Bohlmann 2012 “Transcriptome and full-length cDNA resources for the mountain pine beetle, *Dendroctonus ponderosae* Hopkins, a major insect pest of pine forests”. *Ins. Biochem. Mol. Biol.* (in press) Available online at: <http://dx.doi.org/10.1016/j.ibmb.2012.03.010>

Clark, E.L., **Huber, D.P.W.**, and A.L. Carroll 2012 “The legacy of attack: implications of high phloem resin monoterpene levels in lodgepole pines following mass attack by mountain pine beetle, *Dendroctonus ponderosae* Hopkins”. *Environmental Entomology* 41:392-398

Krey, A., Kwan, M. and H.M. Chan 2012 “Mercury speciation in brain tissue of polar bears (*Ursus maritimus*) from the Canadian Arctic”. *Environmental Research* 114: 24-30 doi: 10.1016/j.envres.2012.01.006

Grava, T., Grava, A. and **K.A. Otter** 2012 “Vocal performance varies with habitat quality in black-capped chickadees (*Poecile atricapillus*)”. *Behaviour* 149:35-50

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