



NRES WEEKLY NEWS

February 9, 2007

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

NRESI RESEARCH COLLOQUIUM SERIES



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Tropical Cyclone Formation -- A Brief Overview

Tropical Cyclone (TC) formation is to this day not well understood. The search for an explanation of the so called "genesis problem" has been pursued for some time without any real breakthroughs. The question that underlies the "genesis problem" is essentially: How can the atmosphere spin-up an intense vortex on scales of hundreds of km until the vortex becomes self-sustaining (ie, the energy required to sustain or amplify the vortex is released by the storm's own internal dynamics)? Recent work by Dr. Mike Montgomery from the Naval Post-graduate School, Noel Davidson from BMRC and myself, has identified possible mechanisms that explain the TC spin-up process.

I will give a brief, non-technical description of the processes leading up to TC formation, and describe our theory for the amplification of a tropical disturbance into a full blown self-amplifying TC.

Friday, February 9, 2007

3:30 pm — 4:30 pm

Lecture Theatre 7-158

Light Refreshments served at 3:20 pm

PUBLICATIONS

Kevin Hall (Geography) has just had his "what made me do it" and "what does it mean to me" attributes of his research and exploration over the past 35 years published as one of 120 invited contributions from around the world in "*Adventurous Dreams, Adventurous Lives: Today's Explorers Recall the Youthful Dream Launching their Remarkable Lives*" by the Explorers Club of New York and Rocky Mountain Books. His own dreams and how they evolved are shared with such world notables as Buzz Aldrin, David Hempleman-Adams, Sir Ranulph Fiennes, Louise Leakey, Colonel Blashford-Snell, Don Walsh, Robert Bateman, Sir Chris Bonnington, Jean-Michel Cousteau and a host of other *real* explorers and scientists.

Gustine, D.D., K.L. Parker, R.J. Lay, M.P. Gillingham, and D.C. Heard. 2006. Interpreting resource selection at different scales for woodland caribou in winter. *Journal of Wildlife Management* 70:1601-1614

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
Elissa Zemlak: zemlak@unbc.ca**



**43rd Annual North American Moose Conference and Workshop
June 2-7, 2007**

Prince George, British Columbia, Canada

Call for Papers

The University of Northern British Columbia in collaboration with the British Columbia Ministry of Forests and Range, the Ministry of Environment, the Peace Williston Compensation Program, and the John Prince Research Forest are pleased to host the 43rd North American Moose Conference and Workshop. The conference will be held at the University of Northern B.C., Prince George, B.C., Canada from June 2 - 7, 2007 with an aim of bringing together moose managers, biologists and other interested parties from across the range of moose.

The Conference Committee is seeking papers and posters on general topics relating to moose research, management and biology for presentation at the upcoming Annual Meeting.

Please visit us at our website <http://resweb.res.unbc.ca/namericanmooseconference2007/> for more details.