



NRES MONTHLY NEWS

May 2006

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

TRAVELING

- Most of the CFS group at UNBC trekked down to Victoria for an all-day workshop, "Forest Research in Northern British Columbia - A Panel Discussion," held at the Pacific Forestry Centre on April 25th. Phil Burton organized and chaired the event which featured 10 presentations, including:

Sandy Allen & Phil Burton, "Pacific Forestry Centre Northern Research: The CFS in Northern British Columbia and Yukon, Past and Present"

Brian Aukema, Allan Carroll, J. Zhu, K. Raffa, T. Sickley and Steve Taylor, "Origins and Development of the Mountain Pine Beetle Outbreak: A Few Surprises?"

Phil Burton, "Predicting Advance Regeneration Density in Lodgepole Pine Stands"

Bryan Bogdanski, "Northern B.C. Forest Economy: Current and Future Research."

The afternoon culminated in an open discussion of research needs and opportunities for collaboration.

- The following people will be attending and presenting papers at the joint meeting of the Canadian Society of Soil Science and Canadian Geophysical Union at Banff (May 14-17) :

PT Sanborn, CAS Smith, D Froese, G Zazula and J Westgate. Frozen paleosols of eastern Beringia: the pedological record of Pleistocene and Pliocene ecosystems.

PT Sanborn, CAS Smith and J Bond.

Upland soils formed in colluvium and saprolite on the unglaciated Klondike Plateau, west central Yukon Territory.

V Yolova, Al Khan, SJ Grayston, N Basiliko, CE Prescott, GQ Bull, S Northway, WW Mohn, **R Roy**, **PT Sanborn** and R Brockley. Forest fertilization and identification of microbial indicators to enhance carbon sequestration and reduce GHG emissions.

CH Bois, DT Janzen, PT Sanborn, and AL Fredeen. Contrasting total carbon and nitrogen stocks between ecological site types in a Sub-Boreal research forest in central British Columbia.

Stephen Dery will be presenting a paper entitled: "Twentieth century trends in observed river discharge in western Canada", on behalf of his co-authors Kerstin Stahl, Dan Moore, Paul Whitfield and **Brian Menounos**.

Sarah Boon will be co-convening an 'Open Glaciology Session' with Gwenn Flowers (SFU), and presenting two papers: (1) 'Modelling Arctic glacier response to climate change' and (2) 'The dynamic response of Arctic glaciers to global warming: a Canadian contribution to International Polar Year Project Glaciodyn'

- Staffan Lindgren, Mike Rutherford, Jianbing Li and Scott Emmons** participated in a University Industry Liaison Office sponsored trip with a number of other faculty members to meet with community representatives in Terrace and Kitimat on May 12. The group also toured the new UNBC Terrace Campus.



MORE TRAVELING.....



- **Marnie Graf** (MSc NRES candidate) is in San Francisco this week. The highlight of her trip is an opportunity to meet Dr. Jane Goodall, world famous for her pioneering work with chimpanzees in Gombe National Park, Tanzania.
- **Art Fredeen** will be presenting a paper at the 27th annual Conference on Agriculture & Forest Meteorology sponsored by the American Meteorological Society in San Diego, California on May 22-25.

VISITING SCHOLARS

- Dr. Terry Shore and Bill Riel, Pacific Forestry Centre, Victoria, visited UNBC on May 4. Mr. Riel demonstrated new management software for mountain pine beetle, and Dr. Shore presented research regarding decision support models for bark beetle management at a "brown bag" lab meeting of the entomology labs (**Huber, Aukema, Poirier and Lindgren**). In the afternoon, Dr. Shore participated in a committee meeting for MSc student **Tim Cudmore** (**Supervisor Staffan Lindgren**).

PUBLICATIONS



- Hille Ris Lambers, **J., Aukema**, B.H., Diez, J., Evans, M., and A. Latimer. 2006. Effects of global change on inflorescence production: a Bayesian hierarchical analysis, pp. 59-73 in J.S. Clark and A. Gelfand (eds.) Hierarchical Modelling for the Environmental Sciences - Statistical Methods and Applications. Oxford University Press, 216pp.
- Schroff, AZ, **BS Lindgren** and **MP Gillingham**. 2006. Random acts of weevil: A spatial analysis

of *Hylobius warreni* attack on *Pinus contorta* var. *latifolia* in the sub-boreal spruce zone of Northern British Columbia. Forest Ecology and Management 227: 42-49.

NEW SAFETY COURSE NEEDED?

- Current and former associates of **Staffan Lindgren's** lab have had a busy year, making you wonder if there is something in the water (although there's now evidence that all of NRES is affected!) There have been six births in 6 months:

September 8, 2005 Madeline Cudmore (father **Tim Cudmore**, MSc NRES candidate)

October 18, 2005 Nicholas Ian Ayres (mother **Lynn Ayres** (nee Rocchini), MSc 1998)

January 2, 2006, Ima Björklund (father **Niklas Björklund**, post-doctoral fellow)

January 4, 2006, Thomas Gregory Smith (father **Greg Smith**, MSc NRES candidate)

February 12, 2006, Genevieve Vianne Robert (mother **Jeanne Robert**, MSc NRES 2005)

February 28, 2006 Callum Donald Isaac Turner (mother **Ann Marie Maclsaac**, Research technician 1995-1999)

Perhaps we have to add some more "safety" courses.....



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

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

PLEASE EMAIL ALL INFORMATION AND MATERIAL to
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