



LIFE SCIENCE NEWS

Published by the Institute of Arctic Biology in cooperation with the Department of Biology & Wildlife, College of Natural Science and Mathematics.

November 26, 2007

ANNOUNCEMENTS

Mark your calendars!

IAB Christmas Party & Ski Mass Awards

Friday, December 14, 2007

Ski Mass, Noon -- Party, 7:00 p.m.

At the Dog Musers Hall

Look for an upcoming email with a sign-up spreadsheet.

Request for Proposals:

WILDLIFE HABITAT POLICY RESEARCH PROGRAM

Now available at www.whprp.org

Letters of Intent due December 3, 2007

More information in the IAB Director's Office

Call for Abstracts – Alaska Bird Conference 2008

Presentations on all topics relating to birds in Alaska are invited, both from professional and amateur ornithologists. Please share information that has not been previously presented. Since the primary objective of the conference is to share information, preliminary results are acceptable. We invite you to submit an abstract for an oral or poster presentation on behavior, community ecology, conservation, education and outreach, evolution, contaminants, genetics, habitat, migration, physiology, population ecology, systematics, or any other topic on Alaskan birds. All submissions must be presented by one of the named authors on the abstract. Awards will be granted for the best oral and poster presentations by students.

All oral presentations will be scheduled for 15 minutes including questions from the audience (12 min. talk, 3 min. Q&A). Oral presentations are limited to Microsoft

PowerPoint; no other formats (such as slides, overheads, or video) will be accepted. There will be a separate room available for reviewing your PowerPoint file.

All abstracts must be received no later than **January 15, 2008**. Abstracts received after the deadline will not be included in the program. All presenters of papers and posters must register for the conference.

More information in the IAB Director's Office.

MONDAY, NOVEMBER 26

5:30 p.m. - UAF Pub, Wood Center (must be 21 to enter)

"Quaternary Quaff and Query" sponsored by the Alaska Quaternary Center

"Late 19th-to-20th Century Behavior of Southern Alaska Glaciers"

[Bruce Molnia](#), U.S. Geological Survey and Affiliate Professor, SFOS, UAF

Information: ffnhb@uaf.edu, 474-5433

TUESDAY, NOVEMBER 27

2 p.m. - 201 Irving I

Biobites--Biology Graduate Student Assoc. Seminar / Biology and Wildlife Thesis Defense

"The Distribution and Phylogeography of the Alaska Marmot (*Marmota broweri*)"

[Aren Gunderson](#), M.S. candidate

Information: ftamg1@uaf.edu or ftjds2@uaf.edu

WEDNESDAY, NOVEMBER 28

2-3 p.m. - Globe Room, 215 Elvey Building

"Data Logger Demonstration"

[Jeffrey Rothman](#), GI Electronics Shop manager, will demonstrate a newly designed, affordable data logger that can take 10,000 samples/second, provide a precise GPS timestamp for every measurement, and record information directly to a USB jump drive.

Information: 474-7650

LIFE SCIENCE SEMINAR

Rebecca Eisen

Centers for Disease Control and Prevention

"Plague Ecology: Modeling Geographic Distributions and Transmission Dynamics"

Elvey Auditorium

Friday, November 30, 2007, 3:30 p.m.

3:30 p.m. – 214 Elvey Bldg.

Institute of Marine Science Seminar

“Benthic-Pelagic Coupling on the Antarctic Continental Shelf: Evidence of a Sediment “Food Bank” and Impacts on Benthos”

Sarah Mincks, UA Presidential IPY Postdoctoral Fellow, UAF

Information: <http://www.sfos.uaf.edu/events/> or m.scholl@sfos.uaf.edu, 474-7289

THURSDAY, NOVEMBER 29

1 p.m., 2 p.m. & 3 p.m. - Akasofu Bldg. (IARC) Lobby
“Portable Planetarium Demonstration”

Robbie Herrick of the GI will demonstrate how a recently purchased digital portable planetarium may be used for education outreach projects. Its versatile projection capabilities allow it to be used as a hemispherical theater for outreach in any field. Each session is limited to 35 people. Advance signup is available in the Keith B. Mather Library. Otherwise, attendance is on a first come, first served basis.

Information: 474-5823

FRIDAY, NOVEMBER 30

1-2 p.m. - 138 Irving II

Physiology Seminar

“Using Stable Isotopes to Study Lean Mass Loss during Hibernation in Arctic Ground Squirrels”

Trixie Lee, graduate student, UAF

Information: ftaec1@uaf.edu

PUBLICATIONS

- 2378** Kimball, J.S., M. Zhao, **A.D. McGuire**, F.A. Heinsch, **J. Clein**, M. Calef, W.M. Jolly, S. Kang, **S.E. Euskirchen**, K.C. McDonald, and S.W. Running. 2007. Climate driven increases in boreal and arctic vegetation productivity: Evidence of decreasing stability of the northern high latitude terrestrial carbon reservoir. *Earth Interactions* 11, no. 4: 30 pp.
- 2379** Guisan, A., C.H. Graham, J. Elith, **F. Huettmann**, and NCEAS Species Distribution Modeling Group. 2007. Sensitivity of predictive species distribution models to change in grain size. *Diversity and Distributions* 13: 332-40.
- 2380** **Taylor, D.L.**, I.C. Herriott, J Long, and K O'Neill. 2007. TOPO TA is A-OK: a test of phylogenetic bias in fungal environmental clone library construction. *Environmental Microbiology* 9, no. 5: 1329-34.
- 2381** Kimball, J.S., M. Zhao, **A.D. McGuire**, F. A. Heinsch. 2007. Recent climate-driven increases in vegetation productivity for the western Arctic: Evidence of an acceleration of the Northern

Terrestrial Carbon Cycle. *Earth Interactions* 11: 1-30.

- 2382** **Zhuang, Q**, J.M. Melillo, **A.D McGuire**, D.W. Kicklighter, R.B. Prinn, P.A. Steudler, B.S. Felzer, and S Hu . 2007. Net emissions of CH₄ and CO₂ in Alaska: Implications for the regions greenhouse gas budget. *Ecological Applications* 17, no. 1: 203-12.
- 2385** Spackman, E, **K.G. McCracken**, **K. Winker**, and D.E. Swayne. 2007. An avian influenza virus from waterfowl in South America contains genes from North American avian and equine lineages. *Avian Diseases* 51: 273-74.
- 2386** **Winker, K.**, **K.G. McCracken**, D.D. Gibson, C.L. Pruett, R. Meier, **F. Huettmann**, M. Wege, I.V. Kulikova, Y.N. Zhuravlev, M.L. Perdue, E. Spackman, D.L. Suarez , and D.E. Swayne. 2007. Movement of birds and avian influenza from Asia to Alaska. *Emerging Infectious Diseases* 13: 547-52.
- 2387** Brennan, P.L.R., R.O. Prum, **K.G. McCracken**, M. D. Sorenson, R.E. Wilson, and T.R. Birkhead. 2007. Coevolution of male and female genital morphology in waterfowl. *PLoS ONE* 2: e419.
- 2388** **Wilson, H.M.**, P.L. Flint, T.L. Moran, **A.N. Powell**. 2007. Survival of breeding Pacific common eiders on the Yukon-Kuskokwim Delta, Alaska. *Journal of Wildlife Management* 71: 403-10.
- 2390** Wardle, D.A., P.J. Bellingham, T Fukami, **C.P.H. Mulder**. 2007. Promotion of Ecosystem Carbon Sequestration by Invasive Predators. *Biology Letters* 3: 479-82.

📖 NEW FUNDING OPPORTUNITIES 📖

December 2007

NSF 07-582

ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers (ADVANCE). *Replaces Document NSF 05-584.* Full Proposal Deadline: **December 6, 2007** – Institutional Transformation Planning Grants (IT-Start); Institutional Transformation (IT). **January 17, 2008** – Partnerships for Adaption, Implementation and Dissemination (PAID). URL to view this funding opportunity: <http://www.nsf.gov/pubs/2007/nsf07582/nsf07582.htm>

NSF 07-597

Center for Research at the Interface of the Mathematical and Biological Sciences (CIMBS). Preliminary Proposal Due Date: **December 24, 2007** Full Proposal Target Date: **April 2, 2008** – BY INVITATION ONLY

URL to view this funding opportunity:
http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07597

January 2008

NSF 07-598

Dynamics of Coupled Natural and Human Systems (CNH). Replaces Document NSF 06-587. Full Proposal Deadline: **January 8, 2008.**

URL to view this funding opportunity:
http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07598

NSF 07-560

Research Initiation Grants and Career Advancement Awards to Broaden Participation in Biology (RIG CAA BP). Replaces Document NSF 05-58. Proposal Target Date: **January 14, 2008.**

URL to view this funding opportunity:
http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07560

Quote of the week:

"My mind is a garden. My thoughts are the seeds. My harvest will be either flower or weeds."

~Mel Weldon

COMPUTER TIP OF THE WEEK

Have you mistakenly deleted a file on a shared folder on Mercury? If so, you may be in luck. Novell Netware (Mercury's operating system) provides a "Salvage" option.

- * Open Windows Explorer or My Computer.
- * Navigate to the Mercury folder that used to contain the deleted file (e.g. M:\public.www). Note that you must be in the folder that contained the file -- Netware does not look into subfolders.
- * Right-click on the folder and select "Salvage Files"
- * Select the file that you want to restore, and click on "Salvage File".

→→TRAVEL→→

- **Perry Barboza**, 11/26-11/29, Vancouver, BC, CARMA meeting
- **Brad Griffith**, 11/26-30, Vancouver, BC, CARMA meeting
- **David Gustine**, 11/26-12/3, Vancouver, BC, CARMA meeting
- **Gary Kofinas**, 11/20-12/2, Vancouver, BC, CARMA meeting
- **Martin Robards**, 11/22-12/24, Capetown, South Africa, Marine Mammal Conference