



# LIFE SCIENCE NEWS

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

February 18, 2008

## ANNOUNCEMENTS

Please join the IAB Business Office in welcoming IAB's new HR coordinators: Margo Kramer-Griffith and Anita Rosas.

Margo comes to IAB with many years experience with UAF HR as well as a science background. Margo has been assisting IAB part time since October and we now welcome her permanently to IAB!

Anita comes to IAB with numerous years experience in HR from the Fort Knox Mine.

Please stop by room 309 Irving I and welcome them to IAB!

## TUESDAY, FEBRUARY 19

**1:00 - 2:00 p.m. - 201 Irving I**

**Biobites - Biology Graduate Student Assoc. Seminar**

**7:00 p.m. - Gold Room, Fairbanks Westmark Hotel (813 Noble Street, downtown Fairbanks)**

**Science for Alaska Lecture Series**

**“On Thin Ice: Marine Mammals Challenged by Climate Change”**

**Mike Castellini, SFOS**

Information: [www.scienceforalaska.com](http://www.scienceforalaska.com) or 474-7558.

## THURSDAY, FEBRUARY 21

**1:30 p.m. - Elvey Auditorium, 214 Elvey Building**

**Physiology Graduate Thesis Defense**

**“The Effects of Perchlorate Exposure on a Model Vertebrate Species: The Threespine Stickleback”**

**Richard Bernhardt**

## FRIDAY, FEBRUARY 22

**11:00 a.m. - 12:00 p.m. - IAB Library, 311 Irving I**  
**Hazardous Waste Training Workshop**

This class is required for all people that work in a laboratory environment and have not previously had this training, or anyone that might have specific concerns about disposal of waste materials in their lab.

Please RSVP to Jami Warrick at x5455 if you plan to attend.

## **NEW PUBLICATIONS**

**2427. Balshi, MS**, (g), **A D McGuire**, (f), Q Zhuang, J Mellilo, D W Kicklighter, E S Kasischke, C Wirth, M Flannigan, J Harden, **J S Clein**, (s), **T J Burnside**, (s), J McAllister, W Kurz, M Apps, A Shvidenko. The role of historical fire disturbance in the carbon dynamics of the pan-boreal region: A process-based analysis. *J. Geophys. Res.* 112[G02029]. 2007.

**2428. Schmidt, JI**, (g), J M Ver Hoef, **T Bowyer**, (e). Antler size of Alaskan moose *Alces alces gigas*: effects of population density, hunter harvest and use of guides. *Wildlife Biology* 13[1], 56-65. 2007.

**2429.** Wilson, RE, S A Sonsthagen, C P Barger, **K G McCracken**, (f). Asymmetric Molt or Feather Wear in Flying Steamer Ducks (*Tachyeres patachonicus*) from Coastal Habitats in Argentina. *Ornitologia Neotropical* 18, 293-300. 2007.

**2430.** Rotella, J, M Taper, S Stephens, **M Lindberg**, (f). Extending methods for modeling heterogeneity in nest-survival data using generalized mixed models. *Studies in Avian Biology* 34, 34-44. 2007.

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## LIFE SCIENCES SEMINAR

**Ed Murphy**

**Institute of Arctic Biology**

**“The Changing Population Status of Black-Legged Kittiwakes at Bluff, Alaska:  
A Multi-Colony Perspective”**

**Elvey Auditorium, 214 Elvey Building**

**Friday, February 22, 2008, 3:30 p.m.**

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**2431. Lindberg, M, (f), D H Ward, T L Tibbitts, J Roser.** Winter movement dynamics of black brant. *Journal of Wildlife Management* 71[534-540]. 2007.

**2432. Lindberg, M, (f), J Walker.** Satellite telemetry in avian research: sample size considerations. *Journal of Wildlife Management* 71, 1002-1009. 2007.

**2433. Moynahan, M Lindberg, (f), Rotella, Thomas.** Factors affecting nest survival of greater sage grouse in north-central Montana. *Journal of Wildlife Management* 71, 1773-1783. 2007.

**2434. Moynahan, M Lindberg, (f), Thomas.** Factors contributing to process variance in annual survival of female greater sage grouse in north-central Montana. *Ecological Applications* 16[1529-1538]. 2006.

**2435. Lake, BC, M Lindberg, (f), J A Schmutz, R M Anthony, F J Broerman.** Using Videography to Quantify Landscape-level Availability of Habitat for Grazers: An Example with Emperor Geese in Western Alaska. *Arctic* 59, 252-260. 2006.

**2436. McIntyre, C, M Collopy, M Lindberg, (f).** Survival probability and mortality of migratory juvenile golden eagles. *Journal of Wildlife Management* 70, 717-722. 2006.

## \$\$ GRANTS AND AWARDS \$\$

Perry Barboza

University of Zurich, \$24167

“Comparative Forestomach Physiology in Arctic Ruminants, the Basis for Nice Partitioning”

## 📄 NEW FUNDING OPPORTUNITIES 📄

The Center for Research Services is soliciting travel proposals for undergraduate students interested in participating in a research related competition or conference. Trips pertaining to any science discipline will be considered, but particular focus will be on competitions and conferences relating to the International Polar Year 2007-2009.

Eligibility: Any UAF undergraduate student registered for the spring 2008 semester. Travel events must begin on or after March 10<sup>th</sup> and end by June 30, 2008.

The application deadline is February 29th by 5:00 PM. Applications are to be submitted electronically and can be found at the following website:

<http://www.uaf.edu/research/undergraduate.html>

### Global Change Student Proposals Due February 22.

Proposals for the 2008 Global Change Student Grant Competition are due at the Center for Global Change by 5 p.m. on Friday, February 22. Information at [www.cgsc.uaf.edu](http://www.cgsc.uaf.edu).

Applications for the **David Burnett Dunn Memorial Award** are being accepted from graduate students in Wildlife or Biological Sciences who are conducting a field study on an Alaskan population. The 2008 award is expected to be \$1,500. The deadline for application is 7 March 2008. Details concerning the award and application instructions can be obtained in either the IAB Director's office or the Department of Biology and Wildlife office. Questions concerning the award and completed applications should be directed to Erich Follmann at 474-7338 or [ffehf@uaf.edu](mailto:ffehf@uaf.edu).

## TRAVEL

- **Bert Boyer**, 2/16-28, Chefnak, AK, fieldwork
- **Charity Gitschel**, 2/17-28, Chefnak, AK, fieldwork
- **Scarlett Hopkins**, 2/16-28, Chefnak, AK, fieldwork
- **Dominick Lemas**, 2/17-28, Chefnak, AK, fieldwork
- **Joe Margraf**, 2/19-21, Bellingham, WA, Pink and Chum Salmon Workshop
- **Eliza Orr**, 2/16-24, Chefnak, AK, fieldwork

### Quote of the week:

*“Success is the ability to go from one failure to another with no loss of enthusiasm.”*

*~Winston Churchill*