



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 25, 2008

ANNOUNCEMENTS

TUESDAY, FEBRUARY 26

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

Biobites - Biology Graduate Student Assoc. Seminar

“Modeling Smith’s Longspur (*Calcarius pictus*)

Distribution in the Brooks Range, Alaska”

Teri McMillan

Information: James Stone, ftjds2@uaf.edu

10:30-11:30 a.m. - 201 O'Neill Building

SFOS Physiological Ecology Faculty Candidate

“Changing Flow Velocities Encountered by Salmon:

How Do They Affect Behavior and Energetics?”

Eva Enders, NOAA Fisheries Service

Information: <http://www.sfos.uaf.edu/events/index.php>

or m.scholl@sfos.uaf.edu

WEDNESDAY, FEBRUARY 27

1:30 p.m. - 401 Akasofu Building (IARC)

International Arctic Research Center Seminar

“Using an NPZ Ecosystem Model to Explore the Role of

Benthic Infauna on Nutrient Dynamics and Primary

Production in the SE Bering Sea”

Georgina Gibson, Institute of Marine Science, UAF

Information: aroberts@iarc.uaf.edu or

<http://www.iarc.uaf.edu>

2-3 p.m. - 201 O'Neill Building

SFOS Early Life History Faculty Candidate

“The Role of Early Life History in the Invasion of

Coastal Marine Ecosystems”

Edwin Grosholz, University of California, Davis

Information: <http://www.sfos.uaf.edu/events/index.php>

or m.scholl@sfos.uaf.edu

THURSDAY, FEBRUARY 28

2-3 p.m. - 201 O'Neill Building (VCON)

Thesis Defense, UAA Department of Biological Sciences

“Developmental and Environmental Effects on the Metabolic Characteristics of Harbor Seal (*Phoca vitulina*) Muscle”

Jill S. Prewitt, M.S. candidate, UAA

Information: m.scholl@sfos.uaf.edu

3:40-5:10 p.m. - 183 Arctic Health Research Building

Natural Resources Management Graduate Seminar

“Reindeer: Food for Alaska's Future”

Greg Finstad, SNRAS, UAF

Information: fnwrt@uaf.edu, 474-7188

FRIDAY, FEBRUARY 29

10:00 a.m. - 109 Butrovich Building

Ph.D. Dissertation Defense

“Applied Range Ecology of Reindeer on the Seward Peninsula, Alaska”

Greg Finstad, SNRAS, UAF

Advisor: Knut Kielland

NEW PUBLICATIONS

2437. Hoekman, ST, TS Gabor, MJ Petrie, M

Lindberg. Demographics of breeding female mallards in southern Ontario, Canada. *Journal of Wildlife Management* 70, 111-120. 2006.

2438. Hoekman, ST, TS Gabor, MJ Petrie, M

Lindberg. Population dynamics of mallards breeding in eastern Canada. *Journal of Wildlife Management* 70, 121-128. 2006.

LIFE SCIENCES SEMINAR

Thomas Clausen

Department of Chemistry & Biochemistry

**“Many Faceted Dynamics in the Chemical Defense of *Populus balsamifera*:
Past Results and New Insights”**

Elvey Auditorium, 214 Elvey Building

Friday, February 29, 2008, 3:30 p.m.

- 2439.** Duffy, PA, JM Epting, JM Graham, TS Rupp, **AD McGuire**. Analysis of burn severity patterns using remotely sensed data. *International Journal of Wildland Fire* 16, 277-284. 2007.
- 2440.** Sitch, S, **AD McGuire**, **J Kimball**, N Gedney, R Gamon, R Engstrom, A Wolf, Q Zhuang, **JS Klein**, KC McDonald. Assessing the carbon balance of circumpolar arctic tundra using remote sensing and process modeling. *Ecological Applications* 17, 213-234. 2007.
- 2441.** Blums, P, JD Nichols, JE Hines, **M Lindberg**, A Mednis. Individual quality, survival variation and patterns of phenotypic selection on body condition and timing of nesting in birds. *Oecologia* 143, 365-376. 2005.
- 2442.** Blums, P, JD Nichols, **M Lindberg**, JE Hines, A Mednis. Estimating natal dispersal movement rates of female European ducks with multistate modeling. *Journal of Animal Ecology* 72, 1027-1042. 2003.
- 2443.** DeVries, JH, JJ Citta, **M Lindberg**, DW Howerter, MG Anderson. Breeding-season survival of mallard females in the prairie pothole region of Canada. *Journal of Wildlife Management* 37, 551-563. 2003.
- 2444.** Steets, JA, **DE Wolf**, T Auld, L Ashman. The Role of Natural Enemies in the Expression and Evolution of Mixed Mating in Hermaphroditic Plants and Animals. *Evolution* 61, 2043-2055. 2007.
- 2445.** **Benowitz-Fredericks, MZ, AS Kitaysky**, CW Thompson. Growth and resource allocation by *Common murre (Uria aalge)* chicks in response to experimentally restricted diets. *The Auk* 123, 722-734. 2006.
- 2446.** Pravosudov, VV, **AS Kitaysky**, A Omanska. Effect of migratory experience on memory and the hippocampus in white-crowned sparrows - an intraspecific comparison. *Proceedings of Royal Society London B* 273, 722-734. 2006.

\$\$ GRANTS AND AWARDS \$\$

Brian Barnes and Mike Abels
 USDA, \$19,249
 "Toolik Field User Days"

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 10th 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>

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.

TRAVEL

- **Chris Latty Blain**, 2/27-3/1, Washington, present at the 2008 Pacific Seabird Group Meeting
- **Brian Barnes**, 2/25-3/5, Washington, Woods Hole, Juneau, NSF mtg, Arctic LTER, BIOS Advocacy
- **Donie Bret-Harte**, 2/26-3/3, Washington and Woods Hole, NSF Program Office & Arctic LTER mtg.
- **Bert Boyer**, 2/17-28, Chefnak, AK, fieldwork
- **Todd Brinkman**, 2/28-5/27, Klawock, AK, fieldwork
- **Eugenie Euskirchen**, 2/26-3/3, Woodshole, Arctic LTER mtg.
- **Gunnar Ebbesson**, 2/25-29, Alakanuk, AK, fieldwork
- **Charity Gitschel**, 2/17-24, Chefnak, AK, fieldwork
- **Scarlett Hopkins**, 2/16-28, Chefnak, AK, fieldwork
- **Dominick Lemas**, 2/17-28, Chefnak, AK, fieldwork
- **Eliza Orr**, 2/16-24, Chefnak, AK, fieldwork

Quote of the week:

"It is a miracle that curiosity survives formal education."

~Albert Einstein