



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 2, 2007

ANNOUNCEMENTS

Please Welcome IAB's new Fiscal Officer:
Jennifer Dewese.

VISITING SCIENTIST:

WEDNESDAY JAN 31 – FEB 1

Dr. Keith Hobson from the Canadian Wildlife Service in Saskatoon will be visiting UAF. Keith is a prolific scientist who has pioneered many applications of stable isotope methods in animal/wildlife ecology. His seminar will be Wednesday Jan 31 at 3:30 in Elvey Auditorium, jointly supported by IAB and IMS.

Dr. O'Brien is coordinating his schedule with the following slots still available: Wed (Jan 31) 9 - 10 am, Thursday (Feb 1) 11-1 and after 2:30.

A potluck hosted by Mat Wooller and Diane O'Brien will be held for Dr. Hobson Wednesday evening at their home, with all invited. Information: Diane O'Brien, ffdo@uaf.edu

MONDAY, JANUARY 29

4-5 p.m. - 202 Natural Sciences Facility

Chemistry & Biochemistry Faculty Candidate Seminar
David Cwiertny, University of Iowa, candidate for Environmental/Analytical Chemistry position

“Iron-Based Bimetallic Reductants for Treatment of Halogenated Organic Solvents”
Information: 474-5510

TUESDAY, JANUARY 30

1:15-2:15 p.m. - Elvey Auditorium, 214 Elvey Building
AQC Bering Sea Seminar Series
Peter McRoy, IMS, SFOS, UAF
“Overview of the Modern Bering Sea”
Information: ffnhb@uaf.edu, 474-5433

7 p.m. - Gold Room, Fairbanks Westmark Hotel
Science for Alaska Lecture Series
Jon Dehn, Geophysical Institute, UAF
“Some Like It Hot: Volcanoes in the Infrared”
Information: <http://www.scienceforalaska.com> or 474-7558

WEDNESDAY, JANUARY 31

3:30 - 4:30, Butrovich-Room 109 (Regents Conf. Room)
Freshwater Ecosystems Seminar Series
Frank von Hippel
Department of Biological Sciences, UAA
“Rapid Evolution and Speciation in the Threespine Stickleback Species Complex”
Information: Mark Wipfli, mark.wipfli@uaf.edu, x6654

3:30 – 4:30, Elvey Auditorium
Institute of Marine Science Seminar
Keith Hobson, Prairie & Northern Wildlife Research Center, Canadian Wildlife Service, Saskatoon, Canada

LIFE SCIENCES SEMINAR

Marjorie Mau

Chair of the Department of Native Hawaiian Health,

John A. Burns School of Medicine, University of Hawai'i at Manoa

“The Department of Native Hawaiian Health at the John A. Burns School of Medicine at the University of Hawai'i”

Elvey Auditorium

Friday, February 2, 3:30p.m.

“From Birds to Butterflies: Making connections with stable isotopes”

Information: Diane O’Brien, ffdo@uaf.edu

THURSDAY, FEBRUARY 1

1-2 p.m. – Irving I, Room 201

IAB Faculty Meeting

THURSDAY, FEBRUARY 1, CONT...

4-5 p.m. - 201 Natural Sciences Facility

Chemistry & Biochemistry Faculty Candidate Seminar

Bryan Boulanger, National Risk Management

Research Lab, Cincinnati, candidate for

Environmental/Analytical Chemistry position

“Fluorinated Surfactants in the Environment”

Information: 474-5510

FRIDAY, February 2

1:00 pm, 138, Irving II

Physiology Seminar

Brian Barth, Chemistry PhD student

“Sphingolipid regulation of oxidative stress during neuroinflammation”

Contact: Cord Brundage, x5024, ftcmb3@uaf.edu

3:30 p.m. - 535 Duckering Building

Water and Environmental Research Center Seminar

Sebastian Mernild, IPY postdoc, UAF

“Freshwater Runoff from Eastern Greenland”

Information: ffdlk@uaf.edu

📖📖 NEW PUBLICATIONS 📖📖

The lowercase letters following IAB authors identify that author as f - faculty, pd - post doc, g - graduate student, e - emeritus, ra - research associate, af - affiliate faculty, s - staff, ug - undergrad, and hs - high school.

2272. **Pamperrin, N. J.**, (g), **E. H. Follmann**, (f), and B. Petersen. 2006. Interspecific killing of an Arctic fox by a red fox at Prudhoe Bay, Alaska. *Arctic* 59, no. 4: 361-64.

2273. **Maier, J. K.**, (ra), J. M. Ver Hoef, **A. D. McGuire**, (f), **R. T. Bowyer**, (f), L. Saperstein, **H. A. Maier**, (s). 2005. Distribution and density of moose in relation to landscape characteristics: effects of scale. *Canadian Journal of Forest Research* 35, no. 9: 2233-43.

2274. Kasischke, E. S., **J. F. Johnstone**, (g). 2005. Variation in postfire organic layer thickness in a black spruce forest complex in interior Alaska and its effects on soil temperature and moisture.

Canadian Journal of Forest Research 35, no. 9: 2164-77.

2275. **Johnstone, J. F.**, (g), and E. S. Kasischke. 2005. Stand-level effects of soil burn severity on postfire regeneration in a recently burned black spruce forest. *Canadian Journal of Forest Research* 35, no. 9: 2151-63.

2276. **Winker, K.**, (f). 2004. Natural History Museums in a Postbiodiversity Era. *BioScience* 54, no. 5: 455-59.

2277. Nuttall, M., F. Berkes, B. Forbes, **G. Kofinas**, (f), T. Vlassova, and G. Wenzel. Hunting, Herding, Fishing, and Gathering: Indigenous Peoples and Renewable Resource Use in the Arctic. *Arctic Climate Impact Assessment*, 650-687.

2278. Reynolds III, J. E., D. L. Wetzel, **T M. O'Hara**, (f). 2006. Human Health Implications of Omega-3 and Omega-6 Fatty Acids in Blubber of the Bowhead Whale (*Balaena mysticetus*). *Arctic* 59, no. 2: 155-64.

2279. Belant, J. L., **K. Kielland**, (f), **E. H. Follmann**, (f), and L. G. Adams. 2006. Interspecific Resource Partitioning in Sympatric Ursids. *Ecological Applications* 16: 2333-43.

2280. McGill, C. M., K. E. Swearingen, **K. L. Drew**, (f), B. T. Rasley, **T. K. Green**, (f). 2005. Reaction of Naphthalene-2, 3-dialdehyde with Cyanide; A Unique Oxidative Condensation Product. *Journal of Heterocyclic Chemistry* 42, no. 2: 475-81.

2282. **Takebayashi, N.**, (f), **D. E. Wolf**, (f), and L. F. Delph. 2006. Effect of variation in herkogamy on outcrossing within a population of *Gilia achilleifolia*. *Heredity* 96.(2):159-65

2283. Delph, L. F., **D. R. Wolf**, (f). 2005. Evolutionary consequences of gender plasticity in genetically dimorphic breeding systems. *New Phytologist* 166.(11):119-128

2284. Houlston, G., **M. S. Olson**, (f). 2006. Independent and non-neutral evolution of organellar genes in *Silene vulgaris*. *Genetics* 174: 1983-94.

2285. **Olson, M. S.**, (f), A. V. Graf, and K. R. Niles. 2006. Fine scale spatial structuring in *Silene vulgaris* and its implications for the evolution of gynodioecy. *Journal of Evolution* 19: 1190-1201.

▣ NEW FUNDING OPPORTUNITIES ▣

Alaska EPSCoR is pleased to announce our competition for summer 2007 undergraduate research awards. These awards are for student-initiated research projects and provide a \$4,500 living allowance and \$500 for research expenses and supplies. A faculty member sponsors the research and provides mentorship. Research may be in any science discipline funded by the National Science Foundation. Information: www.alaska.edu/epscor
Deadline is February 23, 2007.

Grant-in-Aid Program of the Arctic Institute of North America. Deadline for applications is **February 1, 2007.** Description of the program and instructions for applicants can be found at www.ucalgary.ca/aina/. Maximum award is \$1,000. Please direct any questions to Erich Follmann at ffe hf@uaf.edu. Proposals should be sent to his attention at IAB.

National Science Foundation (NSF 07-518) Chemistry Research Instrumentation and Facilities (CRIF: CRF). *Synopsis of Program:* The NSF Division of Chemistry will provide support to research institutions and consortia for the establishment of regional or national instrumentation facilities, the purchase of departmental research instrumentation and the development of state-of-the-art equipment.
Deadline: February 2, 2007. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07518

2007- Global Change Student Research Grant Competition. Applicants must have graduate or undergraduate status in a degree-granting program at UAF at the time the proposed research will be conducted. Information can be downloaded at <http://www.cgc.uaf.edu> or picked up from the Center for Global Change, Room 306 IARC, or the Graduate School, Room 202 Eielson. **Deadline: February 23, 2007.**

National Science Foundation (NSF 07-519) Partnerships for Enhancing Expertise in Taxonomy (PEET). Special Biennial Competition in Systematic Biology. *Synopsis of Program:* In partnership with academic institutions, botanical gardens, freshwater and marine institutes and natural history museums, NSF seeks to enhance taxonomic research and help prepare future generations of experts. Projects must train new taxonomists (two per project minimally) and must translate current expertise into electronic databases and other products with broad accessibility to the scientific community. **Deadline: March 5, 2007.** URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07518

National Science Foundation (NSF 07-536) International Polar Year, 2007. The "International Polar Year 2007-2008" (IPY) will extend from March 2007 through March 2009. IPY is envisioned as an intense scientific campaign to explore new frontiers in polar science, improve our understanding of the critical role of the polar regions in global processes, and educate the public about the polar regions. Projects are expected to be interdisciplinary in scope; involve a pulse of activity during the IPY period; leave a legacy of infrastructure and data; expand international cooperation; engage the public in polar discovery; and help attract the next generation of scientists and engineers. **Deadline is March 16, 2007** Information: <http://www.nsf.gov/pubs/2007/nsf07536/nsf07536.htm>

\$\$ GRANTS AND AWARDS \$\$

Walker / Raynolds

CIFAR IPY for \$26,500

“Greening of the Arctic: Synthesis and models to examine pan - Arctic vegetation change”

▣ TIP OF THE WEEK ▣

Microsoft and Apple make it relatively easy to update the Windows and Macintosh operating systems, but other software manufacturers don't always have a way to check for updates. Secunia Software Inspector (http://secunia.com/software_inspector/) is a free on-line tool that will scan your Windows computer for out-of-date software. In addition to checking whether you have the latest Microsoft Windows patches installed, the Secunia Software Inspector looks for outstanding updates for popular communications software such as Skype, instant-message applications, Web browsers Firefox and Opera, as well as multimedia applications such as Adobe Reader, QuickTime, iTunes, Macromedia Flash Player, Sun's Java JRE, and Winamp. Windows only.

→→ TRAVEL →→

→ Gunnar Ebbesson, 1/29-2/9 – Y-K Region, Data Collection
→

Quote of the week:

Be careful about reading health books. You may die of a misprint.

Mark Twain

