



LIFE SCIENCE NEWS

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

March 12, 2007

ANNOUNCEMENTS

Advance Notice: The 2007 Annual Research Review co-sponsored by the Alaska Cooperative Fish and Wildlife Research Unit and the Institute of Arctic Biology is Wednesday, March 28, 2007, in Room 109 Butrovich Building from 8 to 5. In the morning IAB and Unit faculty will speak about their research, at noon there will be a poster session, and at 1:30 Unit-sponsored students will present talks about their research. All are welcome. Please join us for an informative day of talks and posters covering a broad range of research topics from avian ecology to fisheries ecology to wildlife demography to ecological modeling, and more. A schedule is posted at <http://www.akcfwru.uaf.edu>.

SUNDAY, MARCH 11

Note: Daylight Saving Time starts. It's springtime in Fairbanks (snow, wind, minus temps, but most important – gaining light!), so spring your clocks forward 1 hour! The time change is early this year—for more information you may go to [time and date.com](http://timeanddate.com).

MONDAY, MARCH 12

7 p.m., Charles W. Davis Concert Hall

International Polar Year Visiting Author Series

Tim Flannery Author of: “The Weather Makers: How Man is Changing the Climate and What it Means for Life on Earth,” also published as; “The Weather Makers: The History and Future Impact of Climate Change,” and Internationally acclaimed author and climate change expert.

Information: Jenn Wagaman, jenn@alaska.edu, x5082 or fyipy@uaf.edu, x5479

WEDNESDAY, MARCH 14

Noon - Alaska Department of Natural Resources (University Ave. & Airport Way), large conference room
Brown Bag Luncheon/Presentation, Alaska Section of the American Water Resources Association
“A Numerical Approach to Studying Turbidity Currents in Reservoirs”
Horacio Toniolo, INE, CEM, UAF
Information: ffhat@uaf.edu

THURSDAY, MARCH 15

10 a.m. - 201A Natural Sciences Facility
Department of Biology and Wildlife Thesis Defense
“Oil and Wildfire Effects on Nutrient Cycling and Microbial Diversity in Subarctic Mineral Soils”
Jessica Garron, M.S. candidate
Information: fnjig@uaf.edu, x7114

1 p.m. – 201 IRV I
IAB Faculty Meeting

📖📖 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.

2317. Armburster, W. S., (f), **R. Perez-Barrales**, (pd), J. Arroyo, M. E. Edwards, and P. Vargas. 2006. Three-dimensional reciprocity of floral morphs in wild flax (*Linum suffruticosum*): A new twist on heteroly. *New Phytologist* 171: 581-90.

LIFE SCIENCES SEMINAR

No Seminar – UAF Spring Break

Friday, March 16, 2007

\$\$ GRANTS AND AWARDS \$\$

Brian Barnes, Donie Bret-Harte

Mike Abels, Rob Brookes

NSF

\$2,268,082

Toolik Field Station, Cooperative Agreement, Yr. 2

▣ NEW FUNDING OPPORTUNITIES ▣

FYI...New FY08 Provision Fringe Benefit Rates are out and applicable to all new proposals. See proposal coordinators for new rates.

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. **Please note** that the deadline for this solicitation is March 16, which is the UAF Spring Break Holiday. Since UAF will be closed that day, all proposals for this solicitation **must be submitted by the end of business, Thursday, March 15.** No proposals will be submitted on Friday March 16. No exceptions.

Information: <http://www.nsf.gov/pubs/2007/nsf07536/nsf07536.htm>.

David Burnett Dunn Memorial Award. Applications are being solicited for the David Burnett Dunn Memorial Award. Applicants should be graduate students in Wildlife Biology or Biological Sciences working on a wild population in Alaska. It is anticipated that \$2,000 will be available this year. Deadline for application is 23 March. Questions concerning the award and completed applications should be directed to Erich Follmann: ffehf@uaf.edu or 474-7338.

The American Association of University Women

Scholarships. The Fairbanks Branch of the American Association of University Women (AAUW) is offering two (2) \$1,000 scholarships to local women with plans to upgrade their education or to pursue educational projects. The awards will be based primarily on merit. Entries must be received by March 31, 2007. For more information contact the UAF Women's Center directly at fywoc@uaf.edu, x6360.

2318. Parliuseen, I., G. A. Olsson, **W. S. Armbruster**, and (f). 2006. Factors limiting the survival of native tree seedling used in conservation efforts at the edges of forest fragments in upland Madagascar. *Restoration Ecology* 14: 196-203.

2319. Rae, D. A., **W. S. Armbruster**, (f), M. E. Edwards, and M. Svengard-Barre. 2006. Influence of microclimate and species interactions on the composition of plant and invertebrate communities in alpine northern Norway. *Acta Oecologica* 29: 266-82.

2320. Pelabon, C., T. F. Hansen, M. L. Carlson, T. F. Hansen, **W. S. Armbruster**, and (f). 2006. Patterns of asymmetry in the twining vine *Dalechampia scandens* (Euphorbiaceae): ontogenetic and hierarchical perspectives. *New Phytologist* 170: 65-74.

2321. **Armbruster, W. S.**, (f), D. Rae, and M. E. Edwards. 2006. Topographic complexity and biotic response to high-latitude climate change: Variance is as important as the mean. *Arctic-Alpine Ecosystems and People in a Changing Environment*. J. B. Rrbck. et al, 105-22. Springer Verlag.

2322. Ollerton, J., **W. S. Armbruster**, (f), and D. P. Vazquez. 2006. The ecology and evolution of specialized and generalized pollination: Introductory comments. *Plant-Pollinator Interactions: From Specialization to Generalization*. N. Waser, and J. Ollerton, 19-22. University of Chicago Press, Chicago.

2323. **Armbruster, W. S.**, and (f). 2006. Evolutionary and ecological perspectives on specialization: from the arctic to the tropics. *Plant-Pollinator Interactions: From Specialization to Generalization*. N. Waser, and J. Ollerton, 260-282. University of Chicago Press, Chicago.

2324. Millien, V., S. K. Lyons, **L. E. Olson**, (f), F. A. Smith, A. B. Wilson, and Y. Yom-Tov. 2006. Ecotypic variation in the context of global climate change: revisiting the rules. *Ecology Letters* 9: 853-69.

2325. Davenport, T. R. B., W. T. Stanley, E. J. Sargis, D. W. De Luca, N. E. Mpunga, S. J. Machaga, **L. E. Olson**, and (f). 2006. A new genus of African monkey, *Rungwecebus*: Morphology, ecology, and molecular phylogenetics. *Science* 312: 1378-81.

2326. **Kielland, K.**, (f), **J. Byrant**, (e), **R. W. Ruess**, and (f). 2006. Mammalian herbivory, ecosystem engineering, and ecological cascades in taiga forests. *Alaska's Changing Boreal Forest*. Editor **F. Stuart Chapin III**, **Mark W. emeritus Oswood**, Keith Van Cleve, Leslie A. Viereck, and David L. Verbyla New York, NY: Oxford University Press.

George and Mine Mikami Scholarship is accepting nominations. This scholarship recognizes one male and one female student with sound moral character in any field of study.

Requirements: students must be in the top 25 percent of their class with a minimum 3.0 cumulative grade point average and have sophomore or junior class standing in fall 2007. The prize is \$7,250 for each recipient. Please email nominations to scholarships@uaf.edu or send hard copies to the UAF Financial Aid Office. Nominations will be accepted until April 1, 2007.

Applications are being accepted for the **Jack R. Luick Memorial Travel Fund** for travel through October 31, 2007. Deadline for application is 30 April. See the IAB Director's Office for further details. Information: Kim Davis, UAF Advancement Services, x6402.

📖 TIP OF THE WEEK 📖

Finding Wireless Hotspots and Internet Cafes: Have you ever gone to a new city and wondered where you could get a cup of coffee while connecting to the internet on your wireless laptop? There is a new web site that uses Google Maps to provide just such information. It is community-based; that is, it relies on input from users. So if you know of any internet cafes with wireless connections not in their database, it is really easy to add a new location. Other information provided includes whether the connection is free, a description of the place, what kind of food is served, and reviews by customers. For Fairbanks, the venues listed are the Pump House, the Blue Loon, and the College Coffeehouse. If anyone knows of other cafes/restaurants/bars with wireless, please add them to the growing list. Check out Hotspotr at <http://hotspotr.com/wifi>.

→→TRAVEL→→

- Brian Barnes, 3/16-20, Santa Barbara, CA, NCEAS Physiology Workshop
- Gunnar Ebbesson, 3/2-16, Y-K region for data collection
- Nick Hubalik, 3/7 -16, Y-K region for data collection
- Mark Lindberg, 3/11-17, Thorne Bay, AK, Fieldwork
- Julie Maier, 3/10-14, Marion Creek Ranger Station, AK, Fieldwork
- Joe Margraf, 3/11-14, San Francisco, CA AFS Program Committee Meeting
- Christa Mulder, 3/14-17, Springfield, MS, New Coordination Network Planning Meeting
- Aleya Nelson, 3/11 - 8/11, Thorne Bay, AK, Fieldwork

- Mark Wipfli, 3/8-15, Polson, MT; Salmonid Rivers Observatory Network (SARON)
- Katey Walter, 3/14 – 4/10, Santa Barbara, CA, Climate Change Workshop, and Russia, BBC Documentary Film and IPY projects.

Quote of the week:

The work of the individual still remains the spark that moves mankind forward.

-Igor Sikorsky