



# LIFE SCIENCE NEWS

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August 4, 2008

## ANNOUNCEMENTS

### Grad Student Lunch with Dr. George Schaller

**August 11 - 12:00 p.m. - 1:30 p.m.**  
**The Gathering Room, 2<sup>nd</sup> floor Brooks Building**  
**Topic: Science and Advocacy**

Dr. Schaller is a mammologist, outspoken conservationist, author and UAF alum, and is recognized by many as the world's preeminent field biologist. He actively studies wildlife throughout Africa, Asia and South America and at 72 spends about 6 months a year doing field work. His books include *The Mountain Gorilla - Ecology and Behavior* (1963); *Serengeti: A Kingdom of Predators* (1972); *The Last Panda* (1994); *A Naturalist and Other Beasts: Tales From a Life in the Field* (2007). **Space is limited. RSVP required. Please contact RAP Coordinator, Catherine Seymour to let her know by August 8<sup>th</sup> if you would like to come.** [Catherine.seymour@uaf.edu](mailto:Catherine.seymour@uaf.edu)

### IAB Faculty Dinner Party

**August 11 - 6:00 p.m.**  
**Location: Home of Gary and Susan Kofinas**  
**Map available in IAB Director's Office**

Gary and Susan Kofinas are hosting a dinner party at their home for Dr. George Schaller, a UAF biology alum. Many of you may know George through his wildlife conservation studies. George has recently been helping us raise funds to support grad students who are focused on wildlife conservation and is in Alaska making a National Geographic film. Please RSVP Gary Kofinas at [ffgpk@uaf.edu](mailto:ffgpk@uaf.edu).

### **Climate, Language and Indigenous Perspectives (CLIP) Conference** (<http://www.uaf.edu/anlc/clip/>)

Thursday, 8/14, 2:15 p.m. to 5 p.m. and  
Friday, 8/15, 9 a.m. to Noon  
Gruening Bldg., Room 412

A panel of 12 Alaska Native Elders will convene as part of the Climate, Language and Indigenous Perspectives Conference (hosted by the Alaska Native Language Center and the Alaska Center for Climate Assessment and Policy). On Thursday, the Elders will speak on observations of climate change and impacts in their communities. On Friday, they will discuss the important areas for scientific research in their regions and provide suggestions for how scientists can work effectively with local people. Scientists from all disciplines are encouraged to attend.

### **Responsible Conduct in Research Workshop**

Wednesday, August 27, 2008

Registration now open

All day - On campus, location TBA

Mentoring, data management, collaboration, and publication/authorship are the focus topics for this one-day workshop hosted by UAF's Office of Research Integrity (ORI). The workshop will be conducted by Drs. Frank Macrina and Michael Kalichman, two leaders in the field of Responsible Conduct in Research instruction and research. Continental breakfast and lunch will be provided for all participants. Registration is FREE and is now open at <http://www.uaf.edu/ori>. A tentative schedule is included on the registration form. For more information contact ORI at 474-7832 or [fycomp@uaf.edu](mailto:fycomp@uaf.edu)

## WEDNESDAY, AUGUST 6

7:00 p.m. - Schaible Auditorium, Bunnell Building

### Ecology & Ecosystem Seminar

"Mushrooms of Alaska"

Gary Laursen, Institute of Arctic Biology

Information: [summer@uaf.edu](mailto:summer@uaf.edu) or 474-7021

## NEW FUNDING OPPORTUNITIES

The Advanced Instrumentation Laboratory (AIL), University of Alaska Fairbanks, is pleased to announce its "Project Seed Grants" program. The program is designed to provide researchers from all fields the opportunity to use AIL instrumentation for obtaining "just that bit of data that it will take to make a proposal feasible" or to develop and/or establish an analytical technique that is not currently available at AIL. Details about the program and AIL are available at <http://www.uaf.edu/ail/links.html>. There is no deadline for proposals, currently scheduled review dates are September 1, 2008 and January 19, 2009.

## PUBLICATIONS

- 2467.** Gould, W.A., **D.A. Walker**, and D. Biesboer. "Combining Research and Education: Bioclimatic Zonation Along a Canadian Arctic Transect." *Arctic* 56, no. 1 (2003): 45-54.
- 2468.** Gould, W.A., **M. Raynolds**, and **D.A. Walker**. "Vegetation, Plant Biomass, and Net Primary Productivity Patterns in the Canadian Arctic." *Journal of Geophysical Research* 108, no. (D2) (2003): 8167.
- 2469.** **Walker, D.A.**, H. E. Epstein, J.G. Jia, **A. Balsler**, C. Copass, E.J. Edwards, W.A. Gould, **J. Hollingsworth**, J. Knudson, H. Meier, A. Moody, and **M.K. Raynolds**. "Phytomass, LAI, and NDVI in Northern Alaska: Relationships to Summer Warmth, Soil PH, Plant Functional Types and Extrapolation to the Circumpolar Arctic ." *Journal of Geophysical Research* 108, no. (D2) (2003): 8169.
- 2470.** Kaplan, J.O., N.H. Bigelow, I.C. Prentice, S.P. Harrison, P.J. Bartlein, T.R. Christiansen, W. Cramer, N.V. Matveyeva, **A.D. McGuire**, D.F. Murray, V.Y. Razzhivin, B. Smith, **D.A. Walker**, P.M. Anderson, A.A. Andreev, L.B. Brubaker, M.E. Edwards, and A.V. Lozhkin. "Climate Change and Arctic Ecosystems II: Modeling Paleodata-Model Comparisons, and Future Projections." *Journal of Geophysical Research* 108, no. (D19) (2003): 8171.
- 2471.** Jia, G.J., H.E. Epstein, and **D.A. Walker**. "Greening of the Arctic Alaska, 1981-2001." *Geophysical Research Letters* 30, no. 2067 (2003).

**2472.** **Walker, D.A.**, W.A. Gould, **H.A. Maier**, and **M.K. Raynolds**. "The Circumpolar Arctic Vegetation Map: AVHRR-Derived Base Maps, Environmental Controls, and Integrated Mapping Procedures." *Int. J. Remote Sensing* 23 (2002): 2552-70.

**2473.** Litaor, I., T. Seastedt, and **D.A. Walker**. "Spatial Analysis of Selected Soil Attributes Across an Alpine Topographic/Snow Gradient." *Landscape Ecology* 17 (2002): 71-85.

**2474.** Schickhoff, U., M. D. Walker, **D. A. Walker**, and (f). "Riparian Willow Communities on the Arctic Slope of Alaska and Their Environmental Relationships: A Classification and Ordination Analysis." *Phytocoenologia* 32 (2002): 145-204.

**2475.** Gould, W. A., S. Edlund, S. Zoltai, **M. Raynolds**, **D. A. Walker**, (f), **H. Maier**, and (s). "Canadian Arctic Vegetation Mapping." *International Journal of Remote Sensing* 21 (2002): 4597-609.

**2476.** Suryanarayanan, A., **P. R. Joshi**, (g), Z. Bikadi , M. Mani, T. R. Kulkarni, C. Gaines, **M. K. Schulte**, and (f). "The Loop C Region of the Murine 5-HT<sub>3A</sub> Receptor Contributes to the Differential Actions of 5-Hydroxytryptamine and *M*-Chlorophenylbiguanid." *Biochemistry* 44, no. 25 (2005): 9140-9149.

## TRAVEL

- **Archana Bali**, 6/15-8/30, various field sites in Alaska for research
- **Perry Barboza**, 7/16-8/5, Kenya and Namibia, Africa, present paper and chair session at the Fourth International Conference for Comparative Physiology and Biochemistry
- **Christopher Barger**, 7/1-8/22, St. George and St. Paul Island, AK, research field work
- **Brian Barnes**, 7/15-8/16, Kenya and Namibia, Africa, present at the Fourth International Conference for Comparative Physiology and Biochemistry and the 13<sup>th</sup> International Hibernation Symposium
- **Ruby Baxter**, 7/30-8/4, Barrow to Deadhorse, AK, data collection, field work
- **Travis Booms**, 7/15-8/12, Kangerlussnag, Greenland, course instruction "Greenland Arctic Ecology"
- **Bert Boyer**, 8/6-10, Washington, DC, IDEa Symposium
- **Allison Butler**, 7/14-8/10, from Anchorage to Canada, Boston, and Iqaluit, participate in symposium and the IGERT internship
- **Judith Castellini**, 7/28-8/8, Mekoryuk, AK, data collection
- **Molly Conlin**, 8/1-11, Juneau and Anchorage, AK, 4<sup>th</sup> International Meeting on the Biology of *Sphagnum*

→ **Michelle Dondanville**, 8/3-8/9, Washington, DC, IDeA Symposium

→ **Ine Dorresteijn**, 7/1-8/22, St. Paul Island, AK, research field work

→ **Benjamin Gaglioti**, 7/8-9/3, Toolik Field Station, field work, trapping and animal research

→ **Jason Garron**, 7/1/08-4/30/09, Bonanza Creek, site visit

→ **Rebecca Hewitt**, 8/2-9, Milwaukee, WI, 93rd Ecological Society of America (ESA) Annual Meeting

→ **Scarlett Hopkins**, 8/6-12, Washington, DC, IDeA Symposium

→ **Falk Huettmann**, 7/5-9/6, Sakhalin, St. Petersburg, Russian Khinka Lake, and Vladivostok, field work, Avian Influenza and IPY St. Petersburg conference

→ **Jeremy Jones**, 6/1-9/15, various field sites in Alaska for research

→ **Cassandra Kirk**, 7/28-8/8, Mekoryuk, AK, data collection

→ **Franziska Kohl**, 7/8-9/3, Toolik Field Station, AK, field work, trapping and animal research

→ **Veronica Kohl**, 7/8-9/3, Toolik Field Station, field work, trapping and animal research

→ **Delia Vargas Kretsinger**, 7/14-8/8, Yukon Flats NWR, AK, field work, vegetation sampling along Yukon River

→ **Trixie Lee**, 8/5-29, Toolik Field Station, AK, field work

→ **Teri McMillan**, 7/31-8/12, Barter Island, AK, field work

→ **Hilmar Maier**, 8/3-7, San Diego, CA, attend the 2008 ESRI Education User Conference

→ **Gerald Mohatt**, 8/6-10, Washington, DC, IDeA Symposium

→ **Brent Mortensen**, 8/2-8, Milwaukee, WI, presenting at 93<sup>rd</sup> Ecological Society of America (ESA) Annual Meeting

→ **Irina Mueller**, 8/2-9/3, Cambridge, England, learn new method for mitochondrial leak measurements

→ **Kristin O'Brien**, 8/5-8, Barrow, AK, field work

→ **Marcy Okada**, 6/9-8/1, Barrow, AK, field work interviewing Elders

→ **Renee Pasker**, 8/6-9, Washington, DC, IDeA Symposium

→ **Sarah Renteria**, 6/1-9/15, various field sites in Alaska for research

→ **Melanie Richter**, 7/8-9/3, Toolik Field Station, AK, field work, trapping and animal research

→ **Amanda Rinehart**, 6/1-9/15, various field sites in Alaska for research

→ **Valerie Steen**, 7/27-8/12, Portland, OR, American Ornithologist's Union the Cooper Ornithological Society and the Society of Canadian Ornithologists, (AOU/COS/SCO) 2008 Meeting

→ **Jason Stolarski**, 7/17-8/2, Kaktovik, AK, field work

→ **Ina Timling**, 8/4-10, Toolik Field Station, AK, collecting samples for IPY project

→ **Oivind Toien**, 8-4/12, Namibia, Africa, attend the 13<sup>th</sup> International Hibernation Symposium

→ **William Walters**, 7/24-8/1, Toolik Field Station, AK, field work

→ **Jami Warrick**, 8/4-6, Toolik Field Station, AK, training and chemical inventory

→ **Emily Weiser**, 7/30-8/4, Barrow to Deadhorse, AK, field work

→ **Alison York**, 7/18-8/12, Kenya and Namibia, Africa, attend the Fourth International Conference for Comparative Physiology and Biochemistry and the 13<sup>th</sup> International Hibernation Symposium

→ **Rebecca Young**, 7/1-8/22, St. Paul Island, AK, research field work

→ **Sarah Youngren**, 7/1-8/22, St. Paul Island, AK, research field work

→ **Margaret Zimmer**, 6/1-9/15, various field sites in Alaska for research

*Quote of the Week:*

*Better to do something imperfectly than to do nothing flawlessly.*

*~Robert Schuller*