**Weekly RAP October 20, 2014**

**Tuesday, October 21**

4:00 – 5:00 pm  
201 Reichardt  
Networking and Mentoring: Keys to Success in Science  
Dr. Donna Dean, Consultant and Author  
Abstract: In today’s scientific enterprise, expanding one’s knowledge base and skill sets is a continuous need. In her talks on this subject, Dr. Dean describes how mentoring and networking can enable any individual who has a passion for science to find her or his own ‘best fit’ for a career that melds life values and career interests. Effective mentoring and networking can lead scientists to take active steps that lead to self-analytical thinking to assess themselves and their needs and interests; develop, enhance, and sustain productive interactions with their colleagues at all career stages; and sustain a meaningful life and career in the context of family, culture, and workplace change. Success in any chosen scientific career requires that an individual be able to: (1) acquire the appropriate professional credentials; (2) recognize when a rich opportunity arises; (3) learn from mistakes or missteps; (4) deal with biases and misconceptions; (5) develop a sense of career directions and timing; (5) select appropriate role models; (5) mesh personal values and interests with the right workplace; (6) obtain a healthy balance in life; (6) create opportunities for others; (7) know when it is time to move on; and (8) stretch beyond normal comfort zones in taking strategic risks.  
*Sponsored by: The Alaska Local Section of the American Chemical Society*

5:20 – 6:50 pm  
Gruening 205  
Socio-economic implications of climate change in the Arctic  
Dr. Alexander Sergunin  
St. Petersburg State University  
*Sponsored by the Northern Studies Program with support from the Schaible Memorial Cultural Enrichment Fund*

**Wednesday, October 22**

3:30 - 4:30 pm  
Vera Alexander Learning Center (201 O’Neill)  
Institute of Marine Science Seminar  
Title & speaker TBD

3:30 – 4:30 pm  
402 Gruening  
The Arctic Zone of the Russian Federation: from the optimistic Soviet past to a realistic present  
Dr. Alexander Sergunin  
St. Petersburg State University  
*Sponsored by the Northern Studies Program with support from the Schaible Memorial Cultural Enrichment Fund*

5:30 – 6:30 pm  
Schaible Auditorium, Bunnell Building  
**UAF Research Showcase: Introduction to Research and Creative Scholarship at UAF**  
Wood ash to glass: The history, the science and the aesthetic  
Jim Brashear, Art Department  
This series is sponsored by the Undergraduate Research & Scholarly Activity (URSA) office. Presentations are intended for a general audience and all are welcome.
Thursday, October 23
9:00 - 10:00 am
Elvey Auditorium, 214 Elvey Building (GI)
Department of Biology & Wildlife MS defense
Effects of permafrost thaw on nitrogen availability and plant–soil interaction in a boreal Alaska lowland
Rebecca Finger, MS candidate

10:00 -11:00 am
Alaska Center for Climate Assessment and Policy (ACCAP) Climate Webinar Series
Extreme weather events on the Last Frontier: Meteorological analyses and societal impacts
Lauren Zuromski, Hollings Scholar; Rick Thoman, National Weather Service; John Walsh, UAF
Registration is strongly encouraged. See http://accap.uaf.edu/webinars

10:00 am – 4:00 pm
Wood Center
Natural Resources, Fisheries and Sciences Job Fair
Career Services hosts a consortium of Natural Resources, Fisheries and Sciences employers at the UAF Campus to recruit potential students. There is an opportunity for individual informational interviews with Federal Fish and Wildlife Service from 2:00 -4:00 pm in Eielson 110, Career Services office. To schedule an appointment please call Career Services at 474-7596.

12:30 – 2:00 pm
Alumni Lounge, Constitutional Hall
Sandwich lunch and Intercultural Exchange with special student guests Mariia Kobzeva and Mikhail Strokan, St. Petersburg State University
Sponsored by the Northern Studies Student Organization

3:40 – 5:10 pm
203 Gruening
Russian Views on Governance
Dr. Alexander Sergunin
St. Petersburg State University
Sponsored by the Northern Studies Program with support from the Schaible Memorial Cultural Enrichment Fund

Friday, October 24
8:00 am -3:00 pm
Eielson 110, Career Services office
Individual informational interviews with Federal Fish and Wildlife Service. See Thursday’s note, above.
12:00 - 1:00 pm
National Weather Service Conference Room, 351 Akasofu Bldg (IARC) or Webinar
October 2014 National Weather Service Alaska climate forecast briefing
Rick Thoman, National Weather Service
For online access register at http://accap.adobeconnect.com/nws_october/event/event_info.html
Co-sponsored by the National Weather Service and the Alaska Center for Climate Assessment and Policy (ACCAP)

12:00 pm
Wood Center Ballroom
National Food Day Research and Tasting Event
FREE FOOD featuring Alaskan sourced ingredients will be served at 12 p.m. in the Wood Center Ballroom in conjunction with 5-10 minute "lightening talks" by UAF researchers and professionals who focus on Arctic food systems and health issues. UAF students are invited to join us at 1 p.m. in the Wood Center Ballroom for a group discussion about food on the UAF campus. Please come to voice your opinions about your meal plan and enjoy some Alaskan foods!
Food Day is hosted by the UAF Chancellor's Student Food Committee and food is provided by the CTC Culinary Arts and Hotelilites (Campus Club).

3:00 - 4:00 pm
Murie Auditorium, 104 Murie Building
Life Sciences Seminar Series, sponsored by the Institute of Arctic Biology and the Department of Biology & Wildlife
From cafeterias to communities: A systems approach to childhood obesity prevention
Andrea Bersamin, Center for Alaska Native Health Research, Institute of Arctic Biology

3:30 – 5:10 pm
201 Reichardt Building
Department of Geosciences Seminar
"Runoff projections for the Upper Susitna Watershed: Impacts of the changing climate, glaciers, and permafrost
Andy Bliss, Geophysical Institute

3:30 - 5:00 pm
531 Duckering Building
Water and Environmental Research Center Seminar
Title & speaker TBA

3:45 pm
Globe Room, 215 Elvey Building (GI)
Department of Physics Journal Club
Check http://ffden-2.phys.uaf.edu/journal_club.htm or call 474-7339 to see if there's a presentation scheduled for this week and to confirm the location.

Saturday, October 25
8:30 – 1:00 pm
Murie Building
The Alaska Interior Educational Medical Summit (AIMES)
Free, put please register online at https://sites.google.com/a/alaska.edu/aimes/
Contact Carolyn Chapin at carolyn.chapin@alaska.edu for additional details
AIMES helps people explore a full range of health careers in allied health, holistic medicine, pharmacy and veterinary medicine. Doctors, nurses, phlebotomists, UAF biomedical researchers, dental technicians, veterinarians and many other professionals will lead group discussions, panels and hands-on activities. The conference also provides information and resources about different education and funding options. There will also be seminars on medical research, the future of medicine and the direction of health care careers.
Health organizations and vendors from across the United States will attend the summit, including the Fairbanks Memorial Hospital, Life Chiropractic College West, National College of Natural Medicine, University of Alaska Anchorage’s Radiologic Technology Program, MedEx and WWAMI, which is a collaborative medical school among universities in five northwestern states, among many others. Professionals from UAF’s Community and Technical College and other university departments will be showcasing programs, including nursing, EMT/paramedic academy, dental and allied health.

9:00 am 4:00 pm
Wood Center
Leadership conference: Becoming a Lifelong Leader
Based on the social change model of leadership: that in order to be a successful leader you must operate in three different spheres of life: the individual, the group and society. Our conference is based on this model, providing workshops that focus on each sphere and addresses the characteristics of the sphere. The workshops will be led by community professionals to provide not only an experienced presenter but also give the you the opportunity to network with these community members during the lunch break table topics.
There is a $10 registration fee.
Turn in the registration form and your fee to the LIVE Office before Oct 23rd.
Information on the conference, speakers and the registration form available here:
http://www.uaf.edu/woodcenter/leadership/leadershipdevelopment/leadership-conference/

ABSTRACTS/MEETINGS/WORKSHOPS/PROFESSIONAL DEVELOPMENT

Alaska Summer Research Academy 2015
October 31, 2014 is the deadline to submit module proposals for the summer 2015 Alaska Summer Research Academy (ASRA).

ASRA is a two-week summer academy for students in grades 6-12. Students intensively explore a single subject (module) for two weeks under the guidance of two instructors. Modules are hands-on, and the idea is to make STEM fun and exciting, while still offering high-quality research experiences. ASRA instructors are typically experts in STEM fields from the university, the community, or from K–12 schools.

Details are in the RFP, which can be found at www.cgc.uaf.edu/calendar.html attached to the 10/31/14 deadline announcement.
Contact: Laura Conner, ldconner@alaska.edu

New Generation of Polar Researchers (NGPR)Leadership Symposium
http://disccrs.org/ngpr
May 2-9, 2015
USC Wrigley/Boone Center for Environmental Leadership
Catalina Island, California
Application Deadline: November 3, 2015
The International Polar Year (IPY) 2007-2009 provided a once-in-50-years opportunity to celebrate and advance polar research. The 2008 New Generation of Polar Researchers (NGPR) Symposium provided a select group of early career researchers with an opportunity to share their IPY research plans, establish an ongoing collegial network, develop a common sense of history and purpose, and place their work in an interdisciplinary, systems context. Given the importance of polar regions to the Earth system and rapidly changing environmental conditions, the 2015 NGPR symposium will bring together a new cohort of early career polar researchers to build on the momentum from the IPY and address changing conditions.

The week-long NGPR Leadership Symposium will bring together a select group of 36 early career researchers to present their research and discuss emerging research, professional and societal issues. Established polar experts, including Lonnie Thompson and Ellen Mosley Thompson, will share their history and insights. Training sessions will focus on communication,
Looking for UAF students majoring in science, technology, engineering and math (STEM) to work with K-8 students

Looking for UAF students in STEM majors who are interested in going into local K-8 classrooms to conduct hands-on activities with students. UAF students will receive training, then go into a classroom to lead an activity and show students that STEM can be fun and exciting. UAF students can choose from pre-planned engineering lesson kits or come up with their own ideas in any STEM field. I'm asking for a time commitment of one training session and one activity in a classroom, but you're welcome to go back if you enjoy it.

K-8 students often don't receive a strong STEM education which sets them behind in high school and college. The purpose of this program is to develop an ongoing outreach relationship between UAF and the Fairbanks North Star Borough School District to increase K-8 STEM exposure through experiential learning. This outreach effort is part of the Alaska Space Grant Program. Please contact Jennifer Paniati at jcorrigan@alaska.edu if you're interested.
**Tenure Track Assistant Professor in Sustainability Science Furman University**

The Department of Earth and Environmental Sciences ([ees.furman.edu](http://ees.furman.edu)) at Furman University, a private liberal arts undergraduate institution, invites applications for a tenure-track position in Sustainability Science at the Assistant Professor level beginning in August 2015. The ideal candidate will have a background in Sustainability Science or a related field with a sustainability science focus and should be a dynamic and engaging individual with potential to be an excellent teacher in the classroom. Applicants should have demonstrated teaching and research expertise focusing on the interactions and feedbacks between environmental and social or human systems related to problems of sustainability. Teaching responsibilities consist of four courses with labs per year, including SUS 120 *Principles of Sustainability Science* and SUS 241 *Social Systems*, with opportunity to teach upper level courses in the candidate’s specialty. In addition to teaching, the successful candidate will develop an active undergraduate research program and interact closely with the Shi Center for Sustainability. **Applications can be submitted** at: [https://jobs.furman.edu/postings/4669](https://jobs.furman.edu/postings/4669) and **will be accepted until December 1st, 2014.**

A bit more about Furman and our programs:

**The Earth and Environmental Sciences Department:**

How do we achieve an environmentally safe and socially just space for humanity in a world of increasingly limited natural resources? That is the quintessential challenge of the 21st century, and lies at the heart of Furman University’s Department of Earth and Environmental Sciences (EES). Our department takes a holistic, systems-based approach to seek solutions to this grand challenge and examines the full range of geological, environmental, and sustainability issues associated with it. We offer a Bachelor of Science (B.S.) and Bachelor of Arts (B.A.) degrees in Earth and Environmental Sciences, as well as one of the only Bachelor of Science degrees in Sustainability Science at a liberal arts institution. Our faculty members represent a complete spectrum of expertise within Earth Systems Science, with the academic breadth necessary to understand the complex relationships between humans and the planet that sustains them.

The hallmarks of our earth, environmental, and sustainability science programs are flexible curriculum, small classes, field experiences, and collaborative research. Small classes (<15 students) result in plenty of individualized attention and an engaged, active learning environment. Furman’s location at the foothills of the Blue Ridge Mountains and proximity to Greenville provide easy access to a geologically, ecologically, and socially diverse region with ample opportunity for integrating field experiences and local research into the curriculum. Our philosophy of “teaching through research” provides every student in our programs the opportunity to conduct collaborative field research with our faculty.

**The University:**

Furman University is a selective, residential, national liberal arts university located in beautiful Greenville, South Carolina. The University enrolls approximately 2,700 undergraduate students. The residential student body is the ideal size to enhance scholarly activity, personal growth, and leadership development. Located only 30 minutes from the mountains and three hours from the South Carolina shore, Furman is nationally acclaimed for its extraordinarily beautiful campus and has been recognized as one of the most beautiful college campuses in the United States. The Furman faculty and staff has little turnover and great loyalty to the institution. Recently, the *Chronicle of Higher Education* named Furman one of the best small liberal arts colleges and universities in the country in staff satisfaction.

Submitted by Weston Dripps, Chair of Earth and Environmental Sciences, Furman University

Henry Keith and Ellen Hard Townes Associate Professor of Earth and Environmental Sciences

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The Department of Anthropology at the University of Colorado Boulder invites applications for an **Assistant Professor** level appointment in Cultural Anthropology with a research focus on the environment and sustainability to begin August of 2015. **We are interested in scholars whose work examines the politics and sociocultural impact of resource management.** This would include climate change, conservation, mining, extraction of oil or other resources, air quality, waste management, historical formations of human/nature relations, activism or a similar topic that ties together the environment, development, and sustainability. Geographic area of specialization is open. **Review of applications will begin on November**
The Search Committee plans to interview a select pool of applicants at the American Anthropological Association Meetings in December. Please submit the following materials: 1. Cover letter 2. Curriculum vitae 3. Course syllabi 4. Teaching evaluations 5. Short statement (one page) of teaching philosophy 6. At least one but no more than three samples of research writing and/or publications 7. Names and addresses of three references. Application materials are accepted electronically at https://www.jobsatcu.com, posting F01741.

**GRANT OPPORTUNITIES/SCHOLARSHIPS/OTHER AWARDS**

**Graduate School Travel Grants.** Go to [http://www.uaf.gradsch/grants-and-fellowships/travel-grants/](http://www.uaf.gradsch/grants-and-fellowships/travel-grants/) for details and a link to the registration form page. Make sure you use your UA credentials to log in to Google Forms. **Due no later than October 31, 2014.** Please contact the Graduate School if you have any questions.

The Society of American Military Engineers (SAME) Anchorage Post is pleased to announce the kick-off of our 2014 Scholarship Program.

Multiple scholarships are available to sophomore, junior, or senior students of engineering; architecture; construction or project management; natural, physical, or applied science; and mathematics at an accredited college or university. Last year, the SAME Anchorage Post scholarship program awarded over $16,000 to eligible students. The application indicates one scholarship for Masters level students.

Please encourage students to fill out and submit an application. To apply, students can fill out the application form attached to this email and submit it by mail or email to the address on the first page of the application. The application is also available online at [http://www.sameanchorage.org/wp/scholarship-information/](http://www.sameanchorage.org/wp/scholarship-information/)

**The submittal deadline is Friday, December 5, 2014.** Scholarships will be awarded in late January 2014.

The People’s Endowment Board at the University of Alaska Fairbanks is pleased to announce the availability of funds for Fall 2014.

The People’s Endowment was established at the UA Foundation in 1986 with the intent to provide a source of funds for projects that will improve UAF but would likely remain unfunded due to institutional priorities. Grants are intended to be used for a special project or to fill a critical need at UAF. Proposals will be accepted from UAF faculty, staff, and students. All proposals will be submitted to the People’s Endowment Board for review and selection.

**Deadline:** The deadline for receipt of complete proposals is **October 29, 2014.** Proposals received after 5 p.m. of the deadline date will not be considered. Successful recipients will be notified on November 10, 2014.

**Maximum Grant Amount:** $5,000

The board may fund more than one grant depending on available funds and amounts requested. Requests for smaller amounts or partial funding will be considered.

**Submission Guidelines:**

Proposals must be submitted in the provided template format. Proposals should contain evidence that the funded project will provide a margin of excellence that could provide support or assistance to improve the overall quality or stability of university programs and efforts.

Examples of projects not likely to receive funding include scholarships or pure research projects, for which there are other funding opportunities available. In general, grants will not fund projects that are part of normal university activities. **The People’s Endowment does not fund honorariums, salaries, and consultation service fees to UA employees.**

- Title and general description including outline of problem to be solved; how will PE funding fill a critical need or improve UAF?
- Detail of budget requested, including other grants sought and awarded/denied.
- Student groups interested in applying for a grant must include a faculty mentor who will assists in overseeing and guiding the project.
- Applicant contact information, including name, address, phone number and e-mail address, and university affiliation.

To apply, you must submit the proposal template provided which includes the following information:

Send complete proposals via e-mail to the Provost’s office at jahoppough@alaska.edu. Proposals are available online at [www.uaf.edu/provost/peoples-endowment](http://www.uaf.edu/provost/peoples-endowment). General questions about this grant can be addressed to the Provost’s Office at 474-7096 or jahoppough@alaska.edu.

### 2015 Global Change student grant competition.

Guidelines for CGC’s 2015 Global Change Student Research Grant competition will be released Monday, September 22 and available for download at [www.cgc.uaf.edu](http://www.cgc.uaf.edu). An INFORMATIONAL WORKSHOP on the competition will be held Monday, November 10 at 5:15 p.m. in the Globe Room of the Elvey Building (GI). See [http://www.cgc.uaf.edu](http://www.cgc.uaf.edu) for a flier with more details.

The University of Alaska Foundation is pleased to announce the availability of the 2015 Angus Gavin Memorial Bird Research Grant.

Proposals for the grant will be accepted from scientists within the University system, which includes graduate students and faculty members employed within the University system.

Grants are intended to be used for the support of research on bird species found either permanently or seasonally in Alaska or its coastal waters, including their biology, general ecology and habitat relationships. Research designed to yield information of value in management of bird species will be given preference. This shall include aspects of management directed toward protection, maintenance or enhancement of bird populations and their habitats that may be influenced by development activities. Proposals dealing with the habitat of Alaskan bird species and its effects on such species are acceptable under the terms of the grant.

All proposals will be submitted to a review team composed of qualified professionals for selection and review. **Deadline:** The deadline for receipt of complete proposals including applications, transcripts and letters of reference shall be **November 14, 2014** for the **2015** field season grant. Any proposals received after the deadline will be returned unopened to the applicant. The successful recipient will be notified of the review team’s decision in mid-February 2015. The review team’s decision on the merits of proposals is final.

**Maximum Grant Amount:** $15,000

The committee may also fund additional grants depending on available funds and the amounts requested by applicants. Requests for smaller amounts or partial funding will be considered.

For more information or an application: [http://www.alaska.edu/foundation/donor_relations/grants-and-awards](http://www.alaska.edu/foundation/donor_relations/grants-and-awards)

### OTHER

**The Big Draw**

Grab a pencil! Pen! Crayon! Glitter glue! Anything you need to draw.
For the first time, the University of Alaska Fairbanks is hosting The Big Draw UAF, part of the world’s largest international drawing festival that takes place every October.

Community canvases have been put up around campus, and all are invited to add their visual voices to them. Canvases have a variety of prompts, including, “Touchy Self-Portrait: Draw a self-portrait with one hand while using your other hand to feel or ‘see’ your face.”

This event is hosted by UAF eLearning and artist/instructional designer Brooke Sheridan as part of her ongoing effort to promote drawing and other visual media as a mode of critical inquiry and of expressing knowledge.

Canvases can be found in:
Art department
English department
Arctic Java
Wood Center
Rasmuson Library
UA Museum of the North
UAF Community and Technical College

Drawers are also encouraged to post their work to the Google+ community created for the event: elearning.uaf.edu/go/bigdrawuaf. The online community offers an alternative venue for those who want to participate, especially if they can’t participate on campus. Special prompts are being posted there throughout the month.

Sheridan will be hosting The Big Draw Jam on Oct. 22 in Arctic Java, where all are welcome to join Fairbanks artists, including Jamie Smith, for an evening of drawing. This is an all-ages event, and drawers of all skill levels are encouraged to come. Prompts will be provided but are optional.

Canvases will be up until Nov. 2 and will be displayed at UAF POPCON later in the month. Any volunteered art from the Big Draw Jam will also be displayed during POPCON.

Please send suggestions, announcements, etc. to Mary van Muelken, fyabnp@uaf.edu or mavanmuelken@alaska.edu