



January 13, 2014

## EAPS MEETINGS

**Wednesday, January 15 @ 10:30 am, HAMP 2201**  
Stable Isotope Geochemistry Search Comm. Meeting

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**EAPS SEMINARS**

**Thursday, January 16, no EAPS seminar scheduled**

**Thursday, January 23, 3:30 pm, HAMP 1252**  
**Professor James Ogg**, Purdue University  
"Texas Oil Tycoons"

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**EAPS PUBLICATIONS**

**Professor W. Y. Sun**, Numerical study of severe  
downslope windstorm, [Weather and Climate  
Extremes Volume 2](#), December 2013, pages 22–30.

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**UPCOMING EAPS DEFENSE**

**Friday, January 24 @ 12:00 pm., HAMP 2201**  
**Alexandria Johnson** (PhD candidate) title TBA

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## EAPS NEWS

### WELCOME NEW FACULTY AND POSTDOC

EAPS welcomes new Assistant Professors **Julie Elliott** (Geodynamics), **Briony Horgan** (Planetary Science), and **Yutian Wu** (Atmospheric). Julie received her Ph.D. in Geophysics at the University of Alaska Fairbanks. Briony received her Ph.D. from Cornell University in Astronomy and Space Sciences. Yutian earned her Ph.D. from Columbia University in Applied Physics and Applied Mathematics. The School also welcomes new postdoc **Dirk Elbeshausen**, who is working on modeling giant meteorite impact craters with the planetary group under the direction of Professor Jay Melosh.

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**SPRING RESERVE BOOK REQUESTS**

The EAPS library welcomes faculty reserve requests for Spring 2014. EAPS is no longer purchasing all text books, so if a faculty member would like a copy of a textbook in the library, that faculty member will need to contact Terry Wade ([twade2@purdue.edu](mailto:twade2@purdue.edu)) to request the textbook be put on reserve. As always, any monographs requested for purchase by a faculty member will be added to the collection and made available.

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## CAMPUS NEWS

### 2013-14 DRUG AND ALCOHOL INFORMATION

Purdue University is committed to providing students, faculty, staff and visitors a safe, healthy campus and workplace. The University recognizes the health risks associated with controlled substance use and alcohol misuse and is committed to supporting students and employees who seek treatment for these conditions. The University also recognizes that controlled substance use and alcohol misuse diminish workplace and campus safety and undermine the University's ability to fulfill its mission. The University has therefore developed an *Alcohol- and Drug-Free Campus and Workplace Policy*.

Every year the University is required by the federal government to advise you of the University's alcohol and drug policy. Detailed information about University regulations, state and federal laws, health effects, impacts of violations, and campus resources is available in the full document located at [www.purdue.edu/hr/Employee\\_Relations/](http://www.purdue.edu/hr/Employee_Relations/), in the *News and Updates* box on the left side of the screen. A summary of the key points of the Alcohol and Drug Information document is below.

### **Executive Memorandum No. C-44, Alcohol- and Drug-Free Campus and Workplace Policy:**

Compliance with this policy is considered a condition of employment and attendance at the University.

This policy applies to all students, employees and invitees, as defined in Section III of the policy, except those regulated under federal or state drug laws to the extent that the policy conflicts with such laws.

Prohibited conduct regarding alcohol, controlled substances, prescription drug use, employee treatment programs, workplace inspection, impaired job performance, testing procedures and other misconduct is outlined in the policy in Section IV.

Consequences of engaging in prohibited conduct are outlined in Section V of the policy.

**State and Federal Laws:** All Purdue University employees are responsible for complying with local, state and federal laws regarding alcohol. For a complete listing of the current alcoholic beverage laws, consult the Indiana Alcoholic Beverage Laws referenced at [www.purdue.edu/aod/laws/index.shtml](http://www.purdue.edu/aod/laws/index.shtml). Copies of this document are available for examination at the Purdue University Police Department, (765) 494-8221.

**Health Effects:** The health risks associated with the use or abuse of alcohol and drugs can be severe and long term. Please visit [www.purdue.edu/hr/Employee\\_Relations/](http://www.purdue.edu/hr/Employee_Relations/) for detailed information listed in the Alcohol and Drug Information document.

**Campus Resources:** Help is available to employees on all campuses for dependency-related problems. On the West Lafayette campus, please contact Employee Assistance, located at the Center for Healthy Living, at (765) 494-0111. For more information about Employee Assistance, go to [www.purdue.edu/hr/CHL/EAP.html](http://www.purdue.edu/hr/CHL/EAP.html).

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**W-2 FORMS COMING IN MID-JANUARY,  
1042-S FORMS IN MID-FEBRUARY**

Payroll Services plans to mail 2013 W-2 forms in mid-January to all employees' current addresses. The Internal Revenue Service will begin processing tax returns on Jan. 31.

Normally, the IRS begins processing tax returns on Jan. 1, but the 2013 government shutdown delayed software and form updates needed to process 2013 tax returns, Payroll Services says.

Paper and electronic tax returns still may be filed beforehand, but the IRS will not begin to process them until Jan. 31. Filing a paper tax return will not result in a faster refund and processing will still take six to eight weeks.

Additionally, Payroll Services plans to make 1042-S forms available in mid-February to foreign nationals who received payments in the following categories from Purdue in 2013. The form is necessary for those who:

- \* Claimed a tax treaty during the 2013 calendar year, or
- \* Received a scholarship, fellowship, prize, award, human subject, consulting, guest speaker or travel reimbursement payment in 2013.

The 1042-S form will be accessible through the Glacier website, found at <https://www.online-tax.net>. Everyone who will receive a 1042-S form will be notified via email when the form is available.

For more information, contact Payroll Services at [tax@purdue.edu](mailto:tax@purdue.edu).

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**MILEAGE RATE CHANGE FOR PURDUE BUSINESS  
TRAVEL ON OR AFTER JANUARY 1, 2014**

The IRS recently announced new standard mileage rates when using a personal vehicle for business reasons. Rates are based on the fixed and variable costs of operating a vehicle.

Mileage Rate Change for Travel on or after January 1, 2014

Effective for travel on or after January 1, 2014, the privately owned vehicle mileage rate will change from 56.5 cents per mile to 56 cents per mile.

Visit: <http://www.purdue.edu/business/travel/Transportation/Car/privatecar.html#currentrate>

As always, this mileage rate is subject to the 'Drive V Fly' policy found

at: <http://www.purdue.edu/business/travel/Transportation/Car/privatecar.html#drivevsfly>

**Mileage Rate for State Travel**

The mileage rate for employees traveling on Sponsored Program Grant funds from the State of Indiana will continue to be paid at 44 cents per mile.

Visit: <http://www.purdue.edu/travel/Transportation/statefundedtravel.html#mileage>

The mileage rate for employees assigned courtesy cars or who have an automobile allowances (mostly athletic coaches and executives) is under review and the new rate will be announced prior to month end. The current rate remains in effect until the new rate is announced.

Please contact the Travel Office at [purduetravel@purdue.edu](mailto:purduetravel@purdue.edu) if you have questions.

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**POSTDOCS AND GRADUATE STUDENTS**

**2014-2016 NOAA Coastal Management Fellowship**

Applications are being accepted through January 24, 2014, for the Coastal Management Fellowships. These are two-year positions that will work with state coastal zone programs on projects selected by NOAA Coastal Services Center.

Any student who will complete a master's, doctoral, or professional degree program in natural resource management or environmental-related studies at an accredited U.S. university between January 1, 2013, and July 31, 2014, is eligible. Students from a broad range of environmental programs (e.g. marine sciences, social science, public policy) are encouraged to apply. For more information on the 2014 State Projects, visit: <http://www.csc.noaa.gov/cms/fellows/stateprojects.html>  
**Application Deadline: January 24, 2014**

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**UNDERGRADUATE AND GRADUATE  
STUDENT INFORMATION**

**REU IN CLIMATE SCIENCE  
AT PENN STATE UNIVERSITY**

Summer research assistantships are available in the broad area of climate science within the Department of Meteorology, Penn State University. The positions are part of an REU (Research Experiences for Undergraduates) program (<http://www.micromet.psu.edu/reuclimate/index.html>).

The appointment is for ten weeks during the 2014 summer. Positions are ideally suited for atmospheric science, chemistry, ecology, physics, mathematics, and engineering undergraduates. Field and laboratory research activities will be done at the Penn State University and will require 40 hours per week. Responsibilities include research experimental design, data acquisition with state-of-the-art instruments, analyses of data sets, numerical modeling, writing of research reports, and presenting findings at research symposia. Examples of projects include impacts of natural gas mining on regional air quality and climate, forest carbon sequestration, cloud condensation characteristics of aerosols, downscaling of regional climate, and gas and aerosol transport in the lower atmosphere. The assistantships are ideally suited for juniors and seniors who

plan to go to graduate school. Interested candidates can submit a job application via email to: **Jose D Fuentes** (E-mail: [jdfuentes@psu.edu](mailto:jdfuentes@psu.edu)) or **Jon Nese** ([j2n@psu.edu](mailto:j2n@psu.edu)). Applications should include a cover letter, a resume, a list of courses taken in undergraduate school and associated grades, and two names of referees. Application is available at <http://micromet.psu.edu/reuclimate/application.html> and are due **1 February 2014**.

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### A NOTE FROM OUR ACADEMIC COUNSELOR

#### Calendar

- January 13** - First Day of Classes  
**January 17** - College of Science Scholarship Applications (for continuing undergraduate students) will open—watch your PU email for details.  
**January 20** - Martin Luther King, Jr. Day—No Classes; see Day of Service links below.  
**January 20** - Last day to add classes through myPurdue.  
**January 27** - Last day to drop a class through myPurdue; forms needed after 1/27/14.

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**DAY OF SERVICE - JANUARY 20, 2014**

Day of Service volunteers will honor King's legacy by helping local nonprofit agencies focused on economic development, education, the environment and healthy living. The event is sponsored by the Civic Engagement and Leadership Development Office. Volunteers will meet at 8 a.m. at the Córdova Recreational Sports Center, where a continental breakfast will be available. Service throughout Greater Lafayette will last through 1 p.m. To register as an individual, volunteers should fill out the registration form at <https://boilerlink.purdue.edu/form/start/33749>. Those who would like to register as a group should go to <https://www.boilerlink.purdue.edu/organization/civicengagementandleadershipdevelopment/calendar/details/340551>. The deadline to register is **11:30 p.m. Jan. 13**.

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**FREE WORKSHOP**

Time Management Workshop, Wednesday, **January 15** from 4:30-5:30 p.m. in STEW Rm. 322. Free to all PU students; learn tips to plan your time on a daily, weekly, semester basis.

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**STREAM WATCH INTERN**

Paid Seasonal, Temporary Internship  
Kenai Watershed Forum  
Soldotna, Alaska area

Organization Description:  
Founded in 1997 by a group of concerned Alaskans, the Kenai Watershed Forum (KWF) focuses on finding solutions to watershed concerns through high quality research, education and restoration programs. KWF is a recognized leader among watershed organizations in Alaska and beyond. For more information, visit [www.KenaiWatershed.org](http://www.KenaiWatershed.org).

#### Internship Description:

This internship provides an opportunity to learn about ecological restoration efforts while facilitating environmental education on the Kenai Peninsula through the Stream Watch volunteer program. Stream Watch was founded in 1994 and continues to be an important presence on local rivers. Through peer-to-peer education Stream Watch volunteers are trained to share information on fishing regulations, bear safety and river protection at popular fishing sites on the Kenai Peninsula.

The Stream Watch Intern will have the opportunity to develop and implement river protection projects via volunteers, train and support volunteers and educate the public while enjoying the scenic beauty of Alaska's Kenai Peninsula. This position will spend approximately 75% of the time in the field, spending most of that time working directly with the public and completing hands-on projects.

See attachment for full position description. Lisa Beranek, Kenai Watershed Forum, 44129 Sterling Highway, Soldotna, AK 99669, [907.260.5449](tel:907.260.5449), ext 1205.

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**SCHOLARSHIP—CLASS OF 1937**

Applications are now available to students for the Class of 1937 Scholarship. Each year 15-20 scholarships are given to students from funds from the Class of 1937, ranging from \$500-\$4000. Selection is made on the basis of leadership activities while at Purdue. Applications for those who will be undergraduate students in Fall 2014 and Spring 2015 are now available at:

<http://www.purdue.edu/odos/scholarships/1937-Scholarship.pdf>

Applications are also available at the Office of the Dean of Students, Room 207 Schleman Hall, the Purdue Student Government office in the Union, or at the Black Cultural Center. The deadline for the applications to be returned to the Office of the Dean of Students is **Friday March 7, 2014 at 5 PM**. They will not be able to accept any late applications.

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**2014 DONALD M. PAYNE INTERNATIONAL DEVELOPMENT GRADUATE FELLOWSHIP**

The Payne Program is designed to attract outstanding young people to careers in international development as USAID Foreign Service Officers. The Payne Fellowship Program provides benefits valued at up to \$90,000 over two years toward a two-year master's degree, arranges internships on Capitol Hill and at USAID missions overseas, and provides professional development and support activities. Fellows who successfully complete the program become USAID Foreign Service Officers. Fellows may use the fellowship to attend a two-year master's program in a U.S. institution to study an area of relevance to the USAID Foreign Service, including international development, international relations, public policy, business administration, foreign languages, economics, agriculture, environmental sciences, health, or urban planning at a graduate or professional school approved by the Payne

Program. At the end of the two-year fellowship, Fellows enter the USAID Foreign Service. **Applicants must be college seniors or graduates looking to start graduate school in the fall of the year they apply, have GPAs of at least 3.2 and be U.S. citizens.** The program welcomes applications from those with any undergraduate major and encourages applications from members of minority groups historically underrepresented in the USAID Foreign Service and those with financial need. Information and application materials for the program are available at [www.paynefellows.org](http://www.paynefellows.org). **The application deadline is January 27, 2014.** The Program is funded by USAID and managed by Howard University. Please feel free to contact me with any questions, 202-806-5952 or [Tessa.henry@howard.edu](mailto:Tessa.henry@howard.edu).

Number of Fellowships Offered: 5

Eligibility Requirements: U.S. citizenship; GPA of 3.2/4.0; seeking to start two-year relevant grad program in fall 2014

Online Application Open: [www.paynefellows.org](http://www.paynefellows.org)

Application Deadline: January 27, 2014 - Finalists selected by the end of February - Fellows selected by mid-March

Contact: [paynefellows@howard.edu](mailto:paynefellows@howard.edu); 202-806-4367, (877) 633-0002; or Tessa Henry, ([Tessa.henry@howard.edu](mailto:Tessa.henry@howard.edu)) 202-806-5952. Program Officer, USAID Donald M. Payne Int'l Development Program Office: (202) 806-5952 [tessa.henry@howard.edu](mailto:tessa.henry@howard.edu) - [www.paynefellows.org](http://www.paynefellows.org).



### January Birthdays

Harshvardhan – 1st

Qianlai Zhuang – 2nd

John Cushman – 19<sup>th</sup>

Thomas Tharp – 28<sup>th</sup>

### IMPORTANT NOTICE ABOUT THIS NEWSLETTER

This newsletter is used as the primary information source for current and upcoming events, announcements, awards, grant opportunities, and other happenings in our department and around campus. Active links to additional information will be provided as needed. Individual email announcements will no longer be sent unless the content is time-sensitive. We will continue to include our publications, presentations and other recent news items as well. Those using paper copies of the newsletter should go to our newsletter archive on the EAPS website at [www.purdue.edu/eas/](http://www.purdue.edu/eas/) and **Click on News** to access active links as needed. Material for inclusion in the newsletter should be submitted to Terri Moore ([terri@purdue.edu](mailto:terri@purdue.edu)) by **5:00pm Thursday** of each week for inclusion in the Monday issue.

**If it is in the newsletter, we assume you know about it and no other reminders are needed.** For answers to common technology questions and the latest updates from the EAPS Technology Support staff, please visit [http://www.purdue.edu/eas/info\\_tech/index.php](http://www.purdue.edu/eas/info_tech/index.php).

Also, as an additional resource for information about departmental events, seminars, etc., see our departmental calendar at <http://eaps.purdue.edu>.





# Stream Watch Intern

Paid Seasonal, Temporary, Internship  
Kenai Watershed Forum  
Soldotna, Alaska area

## Organization Description:

Founded in 1997 by a group of concerned Alaskans, the Kenai Watershed Forum (KWF) has grown from a small collective focusing on the Kenai River Watershed (2,200 square miles) to a board directed, regionally respected 501(c)3 non-profit organization whose mission includes the entire Kenai Peninsula (16,000 square miles).

KWF focuses on finding solutions to watershed concerns through high quality research, education and restoration programs. KWF is a recognized leader among watershed organizations in Alaska and beyond. For more information, visit [www.KenaiWatershed.org](http://www.KenaiWatershed.org).

## Internship Description:

This internship provides an opportunity to learn about ecological restoration efforts while facilitating environmental education on the Kenai Peninsula through the Stream Watch volunteer program. Stream Watch was founded in 1994 and continues to be an important presence on local rivers. Through peer-to-peer education Stream Watch volunteers are trained to share information on fishing regulations, bear safety and river protection at popular fishing sites on the Kenai Peninsula.

The Stream Watch Intern will have the opportunity to develop and implement river protection projects via volunteers, train and support volunteers and educate the public while enjoying the scenic beauty of Alaska's Kenai Peninsula. This position will spend approximately 75% of the time in the field, spending most of that time working directly with the public and completing hands-on projects, during 40-hour work weeks (Wednesday-Sunday). Preferred internship dates: May 15-August 15 (3 months).

## Duties & Responsibilities Include:

Provide effective on-river education to the general public to increase awareness of salmon habitat, site-specific rules and regulations and leave no trace principles (45%)

Assist in the recruitment, training and support of education volunteers to increase program breadth and effectiveness across designated Kenai Peninsula sites (35%)

Assist with the development and implementation of volunteer based river protection projects in conjunction with land managers and supervisory staff (20%)

Other duties as assigned

## Qualifications/Skills

Background and/or strong interest in restoration ecology, education (formal or informal) or natural resource interpretation in an outdoor setting

Comfortable being outside in bear country for multiple hours in varied terrain

Strong interest and ability to effectively work directly with the general public

Excellent communication and interpersonal skills

Self motivated, able to work independently and willingness to learn about the program and study/work

Willingness and flexibility to work weekends and evenings

Compliance with KWF, program and partner policies and procedures

Must be able to work outdoors and walk/hike up to 2 miles and have physical skills necessary to perform restoration activities involving some lifting (50lbs), bending, digging, working with tools, etc.

Experience in environmental education, volunteer management, customer service and/or natural resource/cultural interpretation a plus

## Benefits

- Round trip airfare from the contiguous United States

- Free housing with local host family
- Access to a vehicle
- Hourly wage commensurate with experience
- Experience in environmental education, volunteer management and natural/cultural interpretation
- Field Training (Kenai Peninsula overview, bear safety, swift water awareness, effective outreach, restoration practices, truck/trailer training, etc.)
- Career exploration, professional networking and career development opportunities

### **Eligibility Requirements**

KWF is seeking highly motivated individuals interested in furthering their education in conservation, environmental education, or closely related fields, who are willing to make a long-term commitment to preserving and protecting the pristine environment and diverse cultures of Alaska.

- Applicants must be: currently enrolled in an accredited college in the United States or abroad; a recent graduate of an accredited college in the United States or abroad; or currently enrolled in a technical program.
- All students enrolled in an accredited college are eligible to apply, however preference for internship placement is given to college juniors and seniors, recent college graduates, and graduate students.
- International students are eligible to apply if you are authorized to work in the United States and meet the other eligibility requirements.
- KWF and the funding organization (Alaska Conservation Foundation) are equal-opportunity organizations.

### **Application Guidelines**

*Conservation internship applications for the 2014 program are currently being accepted. Only applications containing all parts listed below will be considered.*

Please submit to [claire@akcenter.org](mailto:claire@akcenter.org) a copy of the following documents. **I possible, send them as a single PDF.**

- cover letter, detailing your interest in the internship position and what experience and qualifications you have relating to the position.
- An updated resume
- Two letters of recommendation from professors, advisors, supervisors, or other individuals who can speak to your commitment to the environment.
- An unofficial transcript

*This opportunity is a Kenai Watershed Forum position made possible through generous funding from the Alaska Conservation Foundation. For more information on the Alaska Conservation Foundation, visit [www.AlaskaConservation.org](http://www.AlaskaConservation.org).*