THE HEAD’S PERSPECTIVE

Beverage Upgrade in 2201? Part of the original vision for the EAS multi-purpose room (2201) was that it would become a regular informal meeting place for faculty, staff and students when it is not being used for other purposes. Although this happens a little, when I asked a small non-random sample of people what it would take for it to be used more (as opposed to other locations outside the department – you can guess what these are), the #1 response focused on having much better coffee available. So, we are trying out some possible options for this. Starting today, for a few days, there are two machines on test in 2201. Demonstrations will be given between 10:00 and 10:30. Please stop by, sample, and complete the survey that will be available. We will use the feedback to decide on the best choice. If an upgraded system is installed, then we will work on an appropriate contribution scheme so that those who partake cover the costs (this will be cheaper than going to a coffee shop), as well as scheduling a couple of regular coffee breaks a week where all who are available are invited to come.

NSF Funding Priorities: The NSF FY 2011 budget request to congress is interesting reading. One part that might be of particular importance to EAS is the strong emphasis on NSF-wide investments in “Science, Engineering and Education for Sustainability” (SEES). The goal of the SEES initiative is “To generate the discoveries and capabilities in climate and energy science and engineering needed to inform societal actions that lead to environmental and economic sustainability”. Some of the areas highlighted include “interactions between the climate, human and natural systems; feedbacks in the climate and especially carbon cycles; impacts of ice sheets dynamics on climate change and sea level rise; regional climate change and causes; the difference between low probability/high impact vs. high probability/low impact events on risk-based approaches to decision making”. Many of these areas fit well with EAS research. This request indicates that there will be new solicitations in these areas, as well as additional funding available in existing NSF programs that contribute to the SEES goals. You can find the budget request at http://www.nsf.gov/about/budget/fy2011/index.jsp

EAS weekly Seminar: We have an exceptionally good seminar series in EAS, most Thursdays, with refreshments at 3-3:30 and a lecture from 3:30-4:30. This is a great way to meet faculty and students from EAS and other departments, and to learn more about a wide range of areas of research relevant to EAS from exceptional scholars locally, nationally and internationally. Please make it a priority to attend.

UPCOMING MEETING

Thursday, February 18
- EAS Teaching Assignment Process Task Force, CIVL 2201 (9:15 – 10:30 a.m.)

EAS SEMINAR

Thursday, February 18, at 3:30 p.m. in CIVL 2201:
“Ecological Responses to Late-Quaternary Climatic Change in Alaska: From DNA Input to Solar Output.” Prof. Feng Sheng Hu, University of Illinois at Urbana

Refreshments at 3 p.m. in CIVL 2201
For more information, see the EAS online calendar.

STATISTICS SEMINAR

Tuesday, February 16, at 3:30 p.m. in LWSN B151:
“Numerical Weather Prediction Model and Uncertainty.” Prof. Wen-Yih Sun, EAS Purdue University

OUR RECENT PUBLICATIONS


Reiche, Colleen H. and S. Lasher-Trapp, 2010: The minor importance of giant aerosol to precipitation development within small trade wind cumuli observed during RICO. *Atmos. Res.*, **95**, 386-399.

---

**RECENT PRESENTATIONS**


Jay Melosh gave a seminar entitled, “The scientific results of the Deep Impact experiment” at the University of California, Berkeley on February 11. On February 12 he gave a seminar on “Redox chemistry in large impacts and the origin of life” at Lawrence-Livermore National Laboratory.

---

**REMEMBER**

If you would like to submit a suggestion for ways in which the department can use its resources more efficiently, please go to our cost-saving survey at [http://www.purdue.edu/eas/savings.html](http://www.purdue.edu/eas/savings.html). The deadline to submit a suggestion is Wednesday, February 17.

---

**PRF INTERNATIONAL TRAVEL GRANTS**

FOR TRAVEL JULY 1, 2010 THROUGH JUNE 30, 2011

For consideration, send your application to Dee (gillesp@purdue.edu) no later than March 22. Please do not send directly to the College of Science. For more information see memo.

An application form can be obtained by selecting the appropriate links on the following Web page: [http://www.purdue.edu/research/vpr/funding/itg.php](http://www.purdue.edu/research/vpr/funding/itg.php).

---

**PRF SUMMER FACULTY GRANTS FOR 2010**

For consideration, send your application (and required forms) to Dee (gillesp@purdue.edu) no later than March 22. Please do not send directly to the College of Science. For more information see memo.

Please see this website for more details: [http://www.purdue.edu/research/vpr/funding/sfg.php](http://www.purdue.edu/research/vpr/funding/sfg.php).

---

**INSTRUCTIONAL EQUIPMENT FUNDING**

CALL FOR PROPOSALS – DUE FEB 26

Confirmation has just been received for the 09-10 allocation of Instructional Equipment funding. Please send your requests to Dee at gillesp@purdue.edu by Monday, February 22nd. Your request should include the following:

- Total Funds Requested: list equipment and prices
- Narrative describing the requested equipment:
- Describe the course(s) the equipment will benefit, describe the equipment requested, the number of students that will be impacted, a statement of the expected impact/outcomes on student learning and a description of how you will measure the impact/outcomes.

As the intent of this funding is to purchase items that enhance student learning, please be sure to solicit the assistance of your department’s Undergraduate Education Chair in this exercise.
MATHWORKS (MATLAB & SIMULINK) ISSUES
RFP TO FUND COURSE DEVELOPMENT
Request for Proposal from MathWorks for curriculum development for MATLAB and Simulink. Awards for the RFP will be in the $35-40,000 range. Please note the March 1st deadline. Proposals should be submitted directly to Mr. Rohit Shenoy at Mathworks (Rohit.Shenoy@mathworks.com). Please copy Richard Couch (rlcouch@purdue.edu) on any submissions. More info...

Mathworks fully expects to get the majority of proposals from Engineering Departments. However, they very much want to see more activity on the Science side and as such, Science department proposals will be viewed very favorably. Please call Richard with questions.

CONTINUING EDUCATION COURSE
(Spring 2010)
WALLA (Wabash Area Lifetime Learning Assoc.)
“Oil!” short course to be given by James Ogg and Bill Zinsmeister, 23 March – 15 April, 9:00-10:30 am, Tues/Thurs., Morton Community Center.

PREVENTING ARMAGEDDON
Preventing Armageddon will premier on Thursday, February 18th at 10 p.m. ET on the National Geographic Channel. It features the work of Physicist Jay Melosh testing the effect of solar rays on asteroids. His scheme to divert an asteroid using solar mirrors in space may someday save us from disaster.

Can we ever stop an asteroid from striking the earth? Control hurricanes? Prevent a supervolcano from erupting? We examine schemes by renowned scientists on Preventing Armageddon.

TEACHING ACADEMY NOMINATIONS
If you would like to be nominated or would like to nominate someone else for the Teaching Academy as a Fellow or Associate Fellow, please contact Dee. Final nominations are due April 2 so there is plenty of time to prepare a document! Please see these related links:

How to Nominate Members to the Teaching Academy:
http://www.teachingacademy.purdue.edu/about/nominating_members.asp

Teaching Academy Fellows (previous recipients):
http://www.teachingacademy.purdue.edu/people/fellows.asp

Teaching Academy Associate Fellows (previous recipients):
http://www.teachingacademy.purdue.edu/people/associates.asp

JUDGES NEEDED
The 6th annual Undergraduate Research and Poster Symposium will take place on Wednesday, April 7th in the Purdue Memorial Union Ballrooms. This event showcases undergraduate research taking place at Purdue University. Last year we had over 120 posters representing six colleges from across campus.

It is anticipated that we will have at least 150 posters this year and would like each poster to be judged at least two times. This means several judges are needed. It should take no more than 20 minutes to judge a poster. Judging will take place between 2:00 and 6 p.m. on Wednesday evening. You can volunteer to be a judge for this event whether you have 30 minutes or 3 hours available.

Judging assignments will be distributed prior to the event. Judges will not be assigned to any project on which they are listed as an advisor. Judges will be provided judging criteria, their assigned poster numbers and abstracts, on or before March 31st.

To register as a judge, or if you would like more information, go to www.science.purdue.edu/urps.

On behalf of the 2010 Undergraduate Research and Poster Symposium committee and student participants, thank you in advance for your time and support of this event.
FACULTY POSITIONS

Stanford University, in conjunction with its Precourt Institute for Energy, seeks nominations and applications for two faculty appointments in energy science and/or engineering. The Precourt Institute is Stanford’s interdisciplinary hub for energy research and teaching. These are tenure-line positions that will be joint appointments in the Institute and a department appropriate to the candidate in the School of Earth Sciences, the School of Engineering, or the School of Humanities & Sciences. The appointments are expected to be at the assistant professor or associate professor (without tenure) level. The Institute, the Schools of Earth Sciences, Engineering and Humanities & Sciences, and the University have serious interest in increasing the diversity of our faculty. We particularly ask your help in bringing this opportunity to the attention of women and underrepresented minorities, as well as others who would contribute additional diversity. Further details are available at http://pie.stanford.edu/docs/Precourt_Institute_search_announcement.pdf.

WORKSHOP FOR EARLY CAREER FACULTY IN THE GEOSCIENCES: TEACHING, RESEARCH, AND MANAGING YOUR CAREER

College of William and Mary, Williamsburg, VA
June 6-10, 2010 (optional trip to NSF on June 11)
Application Deadline: March 3, 2010
Information and on-line application form: http://serc.carleton.edu/NAGTWorkshops/earlycareer2010/index.html

Join us for a multi-day workshop in a stimulating and resource-rich environment where you will participate in sessions on topics including effective teaching strategies, course design, establishing a research program in a new setting, working with research students, balancing professional and personal responsibilities, time-management, and other topics of interest to the participants. The program from the 2009 workshop will give you a good idea of what we do in these workshops (it includes a link to the NSF visit schedule from 2009).
http://serc.carleton.edu/NAGTWorkshops/earlycareer2009/program.html

Participants in this workshop must hold a teaching position at a university or college (including two-year colleges) for the following academic year and must be in their first four years of full-time teaching at the time of application (or be starting their first year of full-time teaching in the fall).

These workshops are offered through On the Cutting Edge, a professional development program for current and future geoscience faculty. Some of the workshop expenses are covered through a CCLI grant from the Division of Undergraduate Education of the National Science Foundation.

Participants or their home institutions must provide transportation to and from the workshop and a workshop registration fee. The grant covers some of the costs of the workshop including some of the food and lodging costs. Participants or their home institutions must provide transportation to and from the workshop and pay the registration fee of $250. We have funds for a workshop stipend that you can apply for after being accepted to the workshop.

Application form: DEADLINE - MARCH 3
http://serc.carleton.edu/NAGTWorkshops/earlycareer2010/application.html

Cutting Edge website
http://serc.carleton.edu/NAGTWorkshops

MAPS AVAILABLE – LAST CALL

There are superseded maps available for the taking in the Map Room. They are above Map Case 29, and there is a ladder for your convenience in browsing. Because the state miscellaneous collection is being reduced to one copy of most maps, there are some more interesting maps than usual in the pile. They will be available for the next week.

DIGITIZED AND GEOREFERENCED TOPOGRAPHIC MAPS OF HAITI

The EAS Library has digitized and georeferenced 81 topographic maps of Haiti from Eric Calais’ personal collection. Calais approached the library with the idea in the midst of his planning a return trip to Haiti in the aftermath of the devastating earthquake there in January 2010. The maps were scanned with an oversized drum scanner and made available online. GIS Librarian Chris Miller then sent out calls for georeferencing volunteers to the PurdueGIS-L listserv, through RSS, and Twitter. Response from the community was swift (and far-reaching). The maps were georeferenced by these volunteers over the weekend of January 21. The maps are currently available for viewing at http://gis.lib.purdue.edu/haiti.
SAFETY TIPS FOR TRAVELERS

Safety is always a concern for travelers, especially when traveling alone. Take a few extra precautions to protect yourself on the road by following these simple tips:

or find other helpful travel information at
http://www.purdue.edu/travel/Resources/Welcome.html

EAS 434 WEATHER INFORMATION

The Spring 2010 Weather Analysis and Forecasting class (EAS 434) is posting daily weather forecasts and local weather analyses to the web. These are usually updated in the late afternoon, Mon-Thu, and can be found at:
http://wxp.eas.purdue.edu/wrfdata/forecast/eas434.html

In addition, the class holds a daily weather briefing, in which all are welcome to attend. These are scheduled for the last 30 minutes of class, Mon/Wed from 2:50-3:20 p.m. and Tu/Th 12:45-1:15 p.m. in CIVL 4175. Briefings are led by a team of students who facilitate discussion on the current and recent weather, short-term, and long-term forecasts. We often examine the forecast issues for the local region as well as cities involved in the Purdue weather forecasting contests.

NWS COLLEGE ROAD TOUR

February 23rd, 2010
4:30 p.m., CIVL 2201

Personnel from regional National Weather Service offices will be here to talk about:

- Student Opportunities in the National Weather Service
- How to Make Your Resume Shine
- How to Prepare for an Interview
- Case Studies
- Weather Jeopardy!
- AND MORE!

All meteorology students are strongly encouraged to attend this event. Whether you know you want to work for the National Weather Service or you are just interested in learning more about careers in meteorology, this will be an evening of opportunity, weather, and fun!

Following the presentations, we will move to a local establishment (to be determined) for dinner and an opportunity for students to visit and network with these professionals!

Dress appropriately - you could meet your future employer!

CALLOUT TO ALL EAS GRADUATE STUDENTS

Opportunity to present your research at the Expo!
When: Saturday, March 6th

Oral Presentations will be given in CIVL 1252 starting at 8:30 a.m.
Poster Presentations will be on the 3rd floor of CIVL from 11:00 a.m. - 1:00 p.m.

If you are interested in presenting either a poster or a talk, please contact Heather Houlton at hhoulton@purdue.edu.

***There will be a monetary AWARD for the two best posters and two best talks! Please support the EAS department and participate!
Thanks!

ATTENTION GRADUATE STUDENTS

The last day to declare candidacy for May graduation is February 19, 2010.

CHRYSALIS SCHOLARSHIP FUND

The Chrysalis Scholarship provides degree-completion funding for women geoscience graduate students whose education has been significantly interrupted by life circumstances. The awards are intended to cover costs associated with completion of her thesis/dissertation, beyond what is traditionally covered by primary research funding. Such costs can include drafting expenses, child-care, defense travel, late-stage research and analyses, or anything necessary to assist a degree candidate during those critical, final days.

Scholarship Sponsor:
Association for Women Geoscientists Foundation.

General Information:
Award Amount: Amount varies up to $2,000.

For the March 31, 2010 deadline, the applicant must be expected to complete her degree by December 31, 2011. The applicant must be a student who has contributed and will continue to contribute to both the geosciences and the larger world community through her academic and personal strengths. Applications from outside the United States will be considered on a case-by-case basis.

Required Application Materials:
1. A letter of application, in which the applicant describes her background, career goals and

objectives, how the scholarship will be used, and the nature and length of the interruption to her education.

2. Letters of reference from the applicant's thesis advisor and another scientist of her choice. Both letters should specifically address the criteria in #1 above.

All application materials should be clearly labeled with the applicant's name, address, and phone number and should be sent to chrysalis@awg.org. Please note: emailed application materials should have "Chrysalis Scholarship" in the subject line.

---

A NOTE FROM OUR ACADEMIC COUNSELOR

Important Reminder: Rube Goldberg Competition is this Saturday February 20

The Purdue Society of Professional Engineers (PSPE) Rube Goldberg Team lead by Captain Zach Umporovitch (Geology Major) will be at the Regional Competition this Saturday, February 20th at 10:30 a.m. at the Purdue Armory. A 9:30 a.m. arrival is recommended for good seating due to large (huge) attendance.

---

Digital Literacy Contest

Wednesday, February 24, 6-7 p.m. More details here: http://dailitacycontest.org/students/pu

---

Science Olympiad Help

Date: February 27 (note corrected date).
Location: On campus

"This is a regional competition we host yearly. The winners will go to the state completion. It is always a fun day where a lot of middle and high school teams come to campus to compete. As you can tell, we are running down to the wire a bit on this and really need some help running the events. Please give Mindy a shout out if you can help in some form! Thanks, Steven Smith"

"We still have a few events that need coverage for science Olympiad. The events that still need coordinators are: B Bio Process Lab, C It's About Time, C Remote Sensing, and C Technical Problem Solving and Microbe Mission B. Please visit www.soinc.org for the rules to events. If someone is interested in helping, contact mindy@purdue.edu" Mindy Hart

---

Graduate School 101

Saturday, February 27, 2010, 10:00 a.m. - 2:00 p.m. (check-in 9:30-10:00 a.m.), RAWLS 1086. This event is free; to register now at: www.purduebga.org (click on Graduate School 101 tab). The Black Graduate Association (BGA) at Purdue wants to give you information about graduate school and to learn about applications, funding, summer research/internships, and more.

The program features a keynote address from Dr. Willie Reed (PhD, DVM), Dean of the Purdue School of Veterinary Medicine, various presentations, and a faculty/student panel discussion. This event is open to ALL undergraduate students from all majors.

Lunch is provided and there are chances to win prizes during the event sponsored by the Purdue University Midwest Crossroads Alliance for Graduate Education and the Professoriate (AGP). Contact: Catherine Whittington, cfwhitt@purdue.edu, Undergraduate Outreach Chair, BGA.

---

2010 Undergraduate Research & Poster Symposium

The Colleges of Science, Agriculture, Engineering, and Technology, along with the student councils from each respective college, will be hosting the Undergraduate Research and Poster Symposium on Wednesday, April 7th, 2010 at the Purdue Memorial Union. The event is open to all undergraduate students who are conducting research and aims to bring awareness to the undergraduate research programs at Purdue. This annual event is a great opportunity for students to showcase their research and view the work of students in various fields. The student registration deadline is March 10, 2010. For more information and to register please visit the following website: https://www.science.purdue.edu/urps.

---

Mortar Board 2010 Graduate Fellowship for Undergraduates

Mortar Board annually awards graduate fellowships to encourage Purdue students of high character and ability to pursue an advanced degree in graduate or professional studies. Mortar Board awards up to ten fellowships, each in the amount of at least $2,500.

- Applicants must receive a baccalaureate degree from Purdue University in December 2009 or May, August, or December 2010 and plan to pursue an advanced degree in graduate or professional studies in Fall 2010 or Spring 2011.
- A minimum graduate index of 3.2 is required.
- Completed applications must be turned in no later than 5 p.m., Friday, March 5th, 2010, to Schleman Hall Room 250.
For the Application: Go to http://www.getinvolved.purdue.edu/Community?action=getMyHome. Browse for M and then Mortar Board. Click on the Mortar Board Senior National Honor Society title, the links to the Fellowship application begin at the bottom of the page.

Environment America - The 2010-2012 Fellowship Program

EA’s mission is to research and advocate the policies and build and mobilize the public support necessary to win positive change for the environment. They have more than 100 professional staff working with the state-based groups in the national federation and in their Washington, D.C., office. They have organized 1 million members, activists and political allies to join them to work for more solar and wind power, less global warming pollution, and more protections for parks, waterways, forests and wilderness areas.

Starting in mid-August 2010 in Boston, Environment America Fellows will participate in 10 days of paid initial training. In addition to learning about the issues and how to influence the political debate, you will learn organization-building skills, such as grant-writing, volunteer recruitment and how to manage staff and direct campaigns.

Fellowship candidates are hired nationwide and placed in Environment America offices across the country. As a recent graduate, you earn $23,750 in your first year and $24,250 in your second year with varying benefits and are eligible to apply for college loan assistance. Apply online at www.EnvironmentAmerica.org/jobs. The Purdue contact is Ashlee Pollen, apollen@purdue.edu. Phone: 574-529-1961 if you have questions; or, you can contact Julian Boggs directly at juliannb@environmentamerica.org or 859-358-2980 so he can set up a time to meet when he’s on campus on March 1-2 and holding information sessions and conducting interviews on each of those days.

Study Abroad

Purdue students in all majors have until March 1 to apply for study abroad programs for the for 2010 summer and fall semesters. Purdue’s Office of Programs for Study Abroad aims to send more Boilermakers overseas than ever, particularly on programs of a semester in length. These opportunities allow for extended exposure to new people, cultures, and ways of doing business. Instead of a little studying during a short visit, semester abroad students are truly living abroad while studying. For more information: www.studyabroad.purdue.edu.

Career Fairs

College of Agriculture Spring Career Fair

Wednesday, February 24, 2010 from 9:30 a.m. - 3:30 p.m. in Pfendler Hall. More details: http://www.ag.purdue.edu/oap/career/Pages/Student_SpringFair.aspx. One of the representatives at this fair is the Peace Corps; see next entry.

Peace Corps Information Session

Wednesday, February 24, 2010 at 6:30 p.m. in KRAN G-2. Peace Corps Regional Recruiter, Betsy Blum, who served in Guinea, will be visiting Purdue, introducing community members to the Peace Corps experience. She and other Returned Peace Corps Volunteers will share what it is like to be immersed in a new culture helping others half-way around the globe and how the two-year service changed their perspective on the world.

Summer Camp Fair

Thursday, February 25, 2010 from 11 a.m. – 3 p.m. in the Purdue Memorial Union Ballroom. This is an opportunity to connect with camps running summer programs from across the United States. For “S’mores” information visit: https://www.cco.purdue.edu/Events2010/Camps2010.pdf.

Nancy

HAPPY BIRTHDAY!!

Yuch-Ning Shieh – February 15
2010
Undergraduate Research
& Poster Symposium

APRIL 7, 2010
PURDUE MEMORIAL UNION

ALL STUDENTS are INVITED!
Registration Deadline: March 10th
(Abstracts due at time of registration)

To REGISTER and FIND out MORE—go online to:

www.science.purdue.edu/urps
IMPORTANT NOTICE ABOUT THIS NEWSLETTER
This newsletter will now be 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 EAS website at www.purdue.edu/eas/ and Click on News to access active links as needed. Material for inclusion in the newsletter should be submitted to Gina Richey (grichey@purdue.edu) by Friday noon 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 EAS Technology Support staff, please visit http://www.purdue.edu/eas/resources/it.

Also, as an additional resource for information about departmental events, seminars, deadlines, etc., see our departmental calendar at http://calendar.science.purdue.edu/eas/seminars.