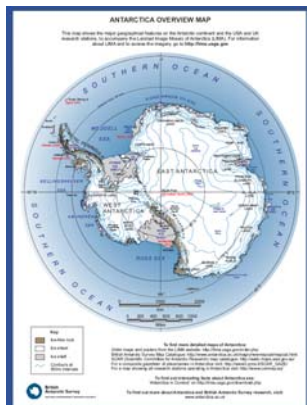


December 3, 2007

THE HEAD'S PERSPECTIVE

The Polar Regions



Antarctica overview map
http://lima.nasa.gov/pdf/A3_overview.pdf

The significance of the polar regions of the Earth is being increasingly recognized in climate, ocean and environmental sciences. In addition to the unique natural features, concentration of ice (most of the world's fresh water) and landscape of the polar regions, these areas are

also recognized as sensitive indicators of change, such as climate change. A new, high-resolution image of Antarctica has just been released by NASA. The improved technology of the satellite imaging has not only provided an enhanced image of the continent, but also makes it possible to better document changes over time. The NASA Antarctic continent satellite composite image (LIMA, Landsat Image Mosaic of Antarctica) is available at: <http://lima.nasa.gov/>. Selecting "View LIMA" from this site allows one to zoom in on most areas of the continent to view high resolution images. The LIMA home page describes the composite image as:

"The Landsat Image Mosaic of Antarctica (LIMA) is the first-ever true-color high-resolution satellite view of the Antarctic continent enabling everyone to see Antarctica as it appears in real life. This web site is designed as part of the [International Polar Year](http://www.internationalpolaryear.org/) to familiarize people with Antarctica, to explore the richness of its features, to learn about why Antarctica matters to us all, and to explain and demonstrate how scientists use satellite imagery to study the continent."

Increased melting of polar ice in the Arctic and in Greenland have also been documented in the past few years. A new map showing the Greenland melting anomalies for 2007 is available at http://earthobservatory.nasa.gov/Newsroom/NewImages/images.php3?img_id=17846 as part of the NASA Earth Observatory program.

UPCOMING MEETINGS

****TODAY** Monday, December 3**

- EAS Faculty Meeting, CIVL 3201 (11:30 a.m.)

OUR RECENT PUBLICATIONS

Carleton Parker, Loran E., Jenelle C. Fitch, **Gerald H. Krockover**, 2008: An In-Service Teacher Education Program's Effect on Teacher Efficacy and Attitudes. *The Educational Forum*, **72 (1)**, 46-62.

Sluijs, A., **G. J. Bowen**, H. Brinkhuis, L. J. Lourens, and E. Thomas, 2007: The Paleocene-Eocene Thermal Maximum super greenhouse: Biotic and geochemical signatures, age models and mechanisms of global change. In *Deep Time Perspectives on Climate Change* (ed. M. Williams, A. Haywood, J. Gregory and D. N. Schmidt), pp. 323-349. Geological Society of London, TMS Special Publication.

RECENT PRESENTATIONS

Prof. Laura J. Pyrak-Nolte gave an invited talk entitled "Bubbles to Fractures: Ultrasonics & Fluid Flow" at the Marie Curie Workshop on Flow and Transport in Industrial Porous Media held in the Netherlands from November 12-16, 2007.

Gabriel J. Bowen attended a meeting of the Forensic Isotope Ratio Mass Spectrometry network from November 26-29 in Dunedin, New Zealand, and presented a paper entitled, "Water isotope ratio variation and its implications for forensic geolocation".

Brenda Beitler Bowen gave an invited seminar in the Civil Engineering Department at Purdue University on November 28 entitled, "Geologic remote sensing to evaluate fluid-sediment history on Earth and Mars: VNIR, SWIR, and LWIR multispectral and hyperspectral investigations."

RECOGNITION RECEIVED

Gerald H. Krockover was recognized as one of the 12 outstanding professors at Purdue University for 2007 by the Purdue Panhellenic Association on November 27, 2007.

END OF SEMESTER DEADLINES

December 3, 2007 – signed candidate audit/certification forms should be returned back to the Graduate School as soon as possible, but no later than this date.

December 3, 2007 – final examination report forms must be received for all graduating students by the Graduate School, Room 170, Young Hall (YONG). Students for whom a final report form is not received will not be able to graduate in December.

December 7, 2007 – Ph.D. candidates must submit their dissertation via Electronic Thesis Deposit (ETD). Ph.D. candidates must also turn in all required forms at their mandatory, scheduled, final deposit appointment in the Thesis/Dissertation Office, Room 170, Young Hall (YONG).

December 7, 2007 – Master's candidates must deposit one bound copy of their thesis at their mandatory, scheduled, final deposit appointment in the Thesis/Dissertation Office, Room 170, Young Hall (YONG).

Master's and Ph.D. candidates with "Confidential" theses/dissertations must also submit their departmental copies to the Graduate School. Deposit appointments can be made by calling 765-494-2600, or email gradinfo@purdue.edu.

Graduation deadline dates are located on the web at: <http://www.gradschool.purdue.edu/calendar>.

EQUAL ACCESS/EQUAL OPPORTUNITY BRIEFINGS

There is an expectation that all faculty, staff, and graduate students attend one of the EA/EO Briefings offered by the Affirmative Action Office.

Check the website below for further information. Once on the site, there will be two links, one for faculty/staff and the other for students.

<http://www.purdue.edu/humanrel/aao/EqualAccessEqualOpportunityBriefing.shtml>

For your specific site, there will be a listing of several session dates and times. For graduate students, the College of Science has set up specific dates to attend, but you may attend any session. You will be asked to click on a link at the bottom of the list to register for an EA/EO Briefing session. You will then be asked to submit your first and second choice of session times. A registration confirmation will then be sent to you via email.

A NOTE FROM OUR ACADEMIC COUNSELOR

Alternative Spring Break

SCA and American Eagle have teamed up to host an Alternative Spring Break in two of the country's most spectacular parks. Choose a week-long service adventure in either Padre Island National Seashore or Grand Canyon National Park.

Volunteers at Padre Island will set up a front country camp near headquarters and work together to construct a universal access boardwalk to the beach, while others will set up a primitive camp on the seashore and spend their days constructing an addition to the turtle research ranger station. Session one runs from March 8 – March 15, 2008 (Purdue's spring break) while session two runs from March 15 – March 22, 2008.

At Grand Canyon, volunteers will set up camp at Mather Campground on the South Rim and spend their days hiking along some of the Canyon's most beautiful trails while carrying out important vegetation projects, as well as removing graffiti from some of the Park's most important cultural sites. Dates for the Grand Canyon project are March 15 – March 22, 2008 and March 22 – March 29, 2008.

SCA will provide a \$400 travel reimbursement as well as food and transportation within the park. However, volunteers must purchase their own travel to and from the airport, as well as bring personal gear such as a tent, sleeping bag, etc. For more information on SCA's Alternative Spring Break and how to apply, visit <http://www.thesca.org/alternative-spring-break/>.

EarthVision: Actions for a Healthy Planet

On April 24-27, 2008, in Washington DC, you can join forces with other young conservation leaders to exchange ideas, get hands-on training, craft policy, and plan next steps in a small and powerful joint effort to strategize actions for a healthy planet. [Register for the Summit](#) now to make your voice heard and your views count as the 2008 national election approaches.

You will discuss important issues with major opinion leaders – from Summit [Keynote Speaker](#) and climate champion Billy Parish to national environmental and social justice leader Iantha Gantt-Wright to the producers of The 11th Hour to Secretary of the Interior Dirk Kempthorne, and more.

Other good reasons to attend

- It's in DC, in the spring. The opening session is at the Department of Interior Great Hall, with the evening reception at the National Museum of the American Indian.
- You will take part in an environmental service project in our nation's Capital.
- You can network and advance your career at the Conservation Cafe.
- The fee for the four-day Summit is only \$145.00 if you register by January 15th; \$185.00 after that; includes lodging, food, and ground transportation once at the National 4-H Conference Center.

And if you get five people to register, or if you are a professor and you bring five of your students, your registration will be free!

Please visit the SCA [website](#) for more information.

Graduate Scholarship Program

The Jack Kent Foundation will award graduate scholarships to help students with exceptional promise and demonstrated financial need. Each award will fund a portion of educational costs for up to 6 years.

Minimum requirements are:

- College senior or recent graduate (since spring 2003) from an accredited US college or university
- Cumulative GPA of 3.5 or higher
- Plan to begin graduate study in fall 2008, and

- Must be nominated by the undergraduate institution (applications not accepted directly from students)

If interested, email me (nstewart@purdue.edu), and I will provide additional information.

Extra Study Times

Some of the Purdue Libraries are open extended time for exam study. Open 24/7 are Hicks, Engineering (both starting December 2) and Management (starting December 9). Humanities open until 2 a.m. from December 2 - 13.

Nancy

HAPPY BIRTHDAY!!!

Darryl Granger – December 5



ABOUT THIS NEWSLETTER:

This weekly newsletter will be the place to look to keep up with departmental happenings, announcements (seminars, student group events, scholarship and award deadlines, departmental committees), job and grant opportunities, and anything else you need to know about the department. It should cut down on the glut of email and other forms of separate announcements – **if it is in the newsletter, we assume you know about it** and no other reminders are needed. Past issues will be available on our department web site (www.purdue.edu/eas/). 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 newsletter.

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>.

