

March 24, 2008

THE HEAD'S PERSPECTIVE

Online Education Resources from the US Geological Survey

The USGS has a newly organized and enhanced site (<http://education.usgs.gov/>) for finding resources that are useful for teaching in the Earth and atmospheric sciences. As you might expect for the USGS, the majority of images, animations and other materials are related to geology and Earth science topics (volcanoes, earthquakes, landslides, coastal storms, plate tectonics, water resources, climate, satellite images, astrogeology, gps, etc.). However, there are also satellite images and atmospheric and space resources. The site includes a listing of materials appropriate for undergraduate teaching (<http://education.usgs.gov/common/undergraduate.htm>), an image gallery (<http://www.usgs.gov/newsroom/photos.asp>), a 3-D image gallery and tour of national parks (<http://3dparks.wr.usgs.gov/>) for viewing with 3-D glasses (regular photos are also available), a collection of animations and videos (http://education.usgs.gov/common/video_animation.htm), and other topics. Most of the animations and videos are available for download and are in mpeg or wmv formats so that they can be easily viewed on your computer or inserted into PowerPoint for display.

Speaking of videos, I came across a very useful and inexpensive video camera if you have need of making videos for use in teaching or other activities. It is the Flip Video camera (<http://www.theflip.com/>) available at discount stores or other locations for about \$150. It is very compact (fits easily in a pocket), acquires up to one hour of 30 fps 640 x 480 resolution video that can be immediately downloaded to your computer through a built in USB port and then viewed using standard video software (AVI format) or inserted into PowerPoint.

UPCOMING MEETINGS

Monday, March 24

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

Tuesday, March 25, at 3:30 p.m. in CIVL 3201:

"Oil and Gas Development on Tribal Lands in the Rockies." Dr. Russell Stands-Over-Bull of the Crow nation, Montana

Thursday, March 27, at 3:30 p.m. in CIVL 1252:

"Speeding Ice and Shifting Paradigms: Time Scales of Possible Ice Sheet Collapse." Ian Howat, Ohio State University

Refreshments at 3 p.m. in CIVL 2201

For more information, see the EAS online [calendar](#).

OUR RECENT PUBLICATIONS

Kosiba, K. A., R. J. Trapp, and J. Wurman, 2008: An analysis of the axisymmetric three-dimensional low level wind field in a tornado using mobile radar observations. *Geophysical Research Letters*, **35**, L05805, doi:10.1029/2007GL031851.

RECENT PRESENTATIONS

Terry R. West gave a talk on March 12, 2008 for the Indiana Society of Southwest Florida, in Fort Myers. About 50 people were in attendance at this annual banquet for the Society. The title of the talk was "Overview of Two Environmental Issues: Global Warming/Climate Change and Drilling for Oil in ANWR, the Alaska National Wildlife Refuge". The talk was well received and an extended question and answer session followed the formal PowerPoint Presentation. He was awarded with a framed certificate from the Society in appreciation for the banquet speech.

Gabe Bowen gave an invited seminar titled "From water to wings: Stable isotope tracers in environmental, ecological, and forensic science" at Indiana State University on March 20, 2008.

Continued

Recent Presentations by Jon Harbor:

"Hosting Visiting Scientists in Your Classroom."
Hoosier Association of Science Teachers Annual
Conference, February 7th.

"The Indiana Interdisciplinary GK-12 Project."
National Science Foundation GK-12 Conference,
February 12th.

"Glacial Erosion and the Development of U-Shaped
Valleys." University of Michigan, Dearborn,
February 19th.

"Assessing the Hydrologic Impacts of Land Use
Change; Development of a Practical Approach for
Planners." University of Puerto Rico, Rio
Piedras, March 10th

"Interdisciplinary Research Collaborations."
Research Week Keynote Address, Purdue
University Calumet, March 19th.

WORKSHOPS

On March 13-14, Prof. Qianlai Zhuang hosted the third workshop of his Working Group entitled, "Toward an adequate quantification of CH4 emissions from land ecosystems: Integrating field and in-situ observations, satellite data, and modeling", which was supported by the National Center for Ecological Analysis and Synthesis (NCEAS). Mr. Jinyun Tang also participated in the workshop held in Santa Barbara, California.

Upon invitation, on March 17-19, Prof. Qianlai Zhuang participated in the 2008 Workshop of the NEESPI Focus Research Center for Biogeochemical Cycles. Max-Planck Institute for Biogeochemistry, Jena, Germany.

A NOTE FROM OUR ACADEMIC COUNSELOR

[Indiana Collegiate Career Fair](#)

Friday, April 4, 2008 from 10 a.m. - 3 p.m. at the Indiana Convention Center, Indianapolis. The Indiana Collegiate Job Fair is open to all two-year, four-year, graduate students, and alumni from any educational institution across the nation. Employers will be looking to fill full-time and internship positions. This event is sponsored by a variety of Indiana state-supported colleges/universities.

Research

If you are still looking for research, you can find a list of the NSF research experiences for undergraduates that are available here: http://www.nsf.gov/crssprgm/reu/reu_search.cfm. Search by keyword/areas.

Boiler Blast Needs Volunteers

Boiler Blast is a one day, campus-wide day of service on **April 5, 2008**. Student volunteers work on campus beautification or help perform spring chores for residents of West Lafayette. The goal this year is 1,500 students and 200 resident participants! <http://www.j-wah.com/boilerblast/>

This Week

PSSC Callout

Purdue Science Student Council callout for new members is Wednesday, **March 26**, at 6 p.m. in LILY G-432. Pizza will be provided. For more info go to <https://pssc.science.purdue.edu>. Please consider this opportunity!

"Reason for Hope" with Jane Goodall

Saturday, **March 29, 2008** at 1 p.m., Elliott Hall of Music, Purdue University. Tickets are available at all Purdue University box offices and through Ticketmaster. Please call (765) 494-3933 or (800) 914-SHOW. Tickets are \$15 for students with a valid student ID (K-college). A portion of the proceeds will support College of Science scholarships. Jane Goodall will also be signing books – any that you already own or wish to purchase.

Nancy

HAPPY BIRTHDAY!!!

Joe Francisco – March 26

Dee Gillespie – March 28

