

# Geology Library Newsletter, April 2008

To try to cut down of the amount of e-mail we all receive, I have decided to try a monthly newsletter from the Library with new web sites and other information. We will continue to update the Library website with news, new web sites and the new book lists. You can view these at <http://library.osu.edu/sites/geology/news.php> and sign up for RSS to receive a notice when we add something new.

For the rest of Spring quarter we will continue to send the New Book list out by e-mail weekly but starting Summer quarter, these will be posted on the web site only unless you request we send you a weekly listing. There is an RSS feed you can sign up for to be notified when we add something to the Library web page.

## New E-books

**Springer books** – OhioLINK has purchased all Springer books that are in electronic format for the past few years and has a current subscription. The records are just beginning to be added to the Library catalog. To see what is available without waiting for the records to be added, go to the OhioLINK E-Book Center <http://ebooks.ohiolink.edu/xtf-ebc/> and search or browse.

**Lumsden SE, Hourigan TF, Bruckner AW, Dorr G (eds.) 2007. *The State of Deep Coral Ecosystems of the United States*. NOAA Technical Memorandum CRCP-3. Silver Spring MD. 365pp.**

<http://www.nmfs.noaa.gov/habitat/dce.html>

### **In Dead Water , UNEP/GRID,**

Report describing the affects of global climate change on the world's oceans

[http://www.unep.org/pdf/InDeadWater\\_LR.pdf](http://www.unep.org/pdf/InDeadWater_LR.pdf)

**Climate change and the Great Barrier Reef: a vulnerability assessment / edited by Johanna E. Johnson and Paul A. Marshall** Publish Info Townsville, Qld. : Great Barrier Reef Marine Park Authority ; [Canberra] : Dept. of the Environment and Water Resources, Australian Greenhouse Office, c2007

[http://www.gbrmpa.gov.au/corp\\_site/info\\_services/publications/misc\\_pub/climate\\_change\\_vulnerability\\_assessment/climate\\_change\\_vulnerability\\_assessment](http://www.gbrmpa.gov.au/corp_site/info_services/publications/misc_pub/climate_change_vulnerability_assessment/climate_change_vulnerability_assessment)

## New Web sites

**Directory of Resources Regarding Tidal Power :** Tidal power, sometimes called tidal energy, is a form of hydropower that exploits the movement of water caused by tidal currents or the rise and fall in sea levels due to the tides.

[http://peswiki.com/index.php/Directory:Tidal\\_Power](http://peswiki.com/index.php/Directory:Tidal_Power)

**Climate Change and the Great Barrier Reef** An overview of Climate Change and the Great Barrier Reef. From the Great Barrier Reef Marine Park Authority.

[http://www.gbrmpa.gov.au/corp\\_site/key\\_issues/climate\\_change](http://www.gbrmpa.gov.au/corp_site/key_issues/climate_change)

**Image Catalog search from the Great Barrier Reef Marine Park Authority.** Great images of reef landscapes, seascapes, fauna, flora, and more.

[http://www.gbrmpa.gov.au/corp\\_site/info\\_services/library/resources/image\\_collection/gbrmpa\\_image\\_library\\_search/](http://www.gbrmpa.gov.au/corp_site/info_services/library/resources/image_collection/gbrmpa_image_library_search/)

### **Unconventional Natural Gas Resources**

Description of unconventional natural gas deposits. "In the broadest sense, unconventional natural gas is gas that is more difficult, and less economically sound, to extract." Topics include deep natural gas, tight natural gas, Devonian shale deposits ("formed from the mud of shallow seas that existed about 350 million years ago"), coalbed methane, geopressurized zones, and methane hydrates. From Natralgas.org, an educational site from the Natural Gas Supply Association.

[http://www.naturalgas.org/overview/unconvent ng resource.asp](http://www.naturalgas.org/overview/unconvent_ng_resource.asp)

### **Uniform California Earthquake Rupture Forecast (UCERF)**

The 2007 Working Group on California Earthquake Probabilities (WGCEP 2007), a multi-disciplinary collaboration of scientists and engineers, has released [in April 2008] the ...UCERF -- the first comprehensive framework for comparing earthquake likelihoods throughout all of California." The report predicts "California has a 99.7% chance of having a magnitude 6.7 or larger earthquake during the next 30 years." Includes the full report, a fact sheet, executive summary, a podcast, and related material.

URL: <http://www.scec.org/ucurf/>

### **Central United States Earthquake Consortium (CUSEC)**

Website for this "partnership of the federal government and the eight states most affected by earthquakes in the central United States. Those states are: Alabama, Arkansas, Illinois, Indiana, Kentucky, Mississippi, Missouri, and Tennessee." Includes descriptions of the New Madrid Seismic Zone and the Wabash Valley Seismic Zone (site of an earthquake on April 18, 2008), a link to current earthquake activity in the central U.S., earthquake safety material, and related information.

URL: <http://www.cusec.org/>

### **New Madrid Earthquakes 1811-1812**

Background about the 1811-1812 New Madrid earthquakes in the Midwest. "On the basis of the large area of damage ... the widespread area of perceptibility ... and the complex physiographic changes that occurred, the Mississippi River valley earthquakes of 1811-1812 rank as some of the largest in the United States since its settlement by Europeans." Includes an earthquake summary, subsequent historical images, eyewitness accounts, and maps. From the U.S. Geological Survey (USGS).

<http://earthquake.usgs.gov/regional/states/events/1811-1812.php>

### **Voluntary Carbon Offset Information Portal**

Information about buying carbon offsets to neutralize carbon dioxide emissions created by individual air travel. Features a consumer handout on "flying green," report on voluntary offsets for air travel carbon emissions, a paper with an overview of international climate change policies and the current carbon market, description of offset project types, list of carbon offset companies, a glossary, and more. A joint project of Stockholm Environment Institute (SEI) and Tufts Climate Initiative (TCI).

URL: <http://www.tufts.edu/tie/tci/carbonoffsets/>

**\*\* ESA presents Mars in 3D \*\***

Mars is about to come into 3D focus as never before, thanks to the data from the Mars Express High Resolution Stereo Camera (HRSC). A new high-resolution Digital Terrain

Model data set that has just been released onto the Internet, will allow researchers to obtain new information about the Red Planet in 3D.

Read more: [http://www.esa.int/SPECIALS/Mars\\_Express/SEM8Q2PR4CF\\_0.html](http://www.esa.int/SPECIALS/Mars_Express/SEM8Q2PR4CF_0.html)

## **News**

### **Some algae may help corals withstand warmer waters**

by Tan Ee Lyn, Reuters

20 March 2008

<http://www.alertnet.org/thenews/newsdesk/T273657.htm>

full text available at

<http://journals.royalsociety.org/content/127518140jm42n67/fulltext.html>

### **Grad School Rankings**

The full listing is available at <http://grad-schools.usnews.rankingsandreviews.com/grad>

The OSU School of Earth Sciences ranked 43rd.

### **US Department of Agriculture (2008, April 10).**

How Will North America's Largest Aquifer, The Ogallala Aquifer, Fare?

*ScienceDaily*. Retrieved April 10, 2008,

<http://www.sciencedaily.com/releases/2008/04/080405094350.htm>

Sierra Nevada rose to current height earlier than thought, say geologists  
*ScienceDaily* (Apr. 23, 2008) — Geologists studying deposits of volcanic glass in the western United States have found that the central Sierra Nevada largely attained its present elevation 12 million years ago, roughly 8 or 9 million years earlier than commonly thought.

<http://www.sciencedaily.com/releases/2008/04/080423153318.htm>

## **Databases**

### **Index to Theses (Great Britain and Ireland)**

A comprehensive listing of theses with abstracts accepted for higher degrees by universities in Great Britain and Ireland since 1716.

<http://www.theses.com/>