

GEOBULLETIN

October 12, 2007

FALL 2007 LECTURE SCHEDULE ---- All lectures (unless otherwise noted) are held on Fridays at 3:30 PM in AB20 (Laudon Lecture Hall). Coffee & cookies are served in the lobby starting at 3:15 PM.

TODAY ----- **October 12** ----- **Hans-Rudolf Wenk** ----- **University of California - Berkeley** ----
“**Deformation and Anisotropy in the Earth**”

October 19th ----- *Special Lecture in room 140 Weeks Hall at 1:30 PM* ----- *Prof Insun Song* ----
Pennsylvania State University -----“*Pore Geometry Dependence of Hydraulic Properties of Fontainebleau Sandstone*”

October 19 --- Ben van der Pluijm --- University of Michigan ----

October 26 ---- Scott McLennan ----- SUNY Stony Brook ----- “The Sedimentary Rock Cycle of Mars: A Geochemical Perspective”

November 2 ----- Kurt Konhauser ----- University of Alberta

November 9 --- Jeff Post ----- Smithsonian Institution – Curator, National Gem & Mineral Collection

November 16 ----- Hiroshi Ohmoto ----- Pennsylvania State University -----

November 30 --- Jim Butler --- Kansas Geological Survey ----- 2007 Darcy Lecturer

SPRING 2008 WEEKS LECTURE SCHEDULE

February 8 ----- Neil Shuban ---- University of Chicago

March 7th ----- Francesca Smith ----- Northwestern

March 28 ----- Carel J. van Oss ----- SUNY-Buffalo

April 11 ----- Laurie Brown ---- University of Massachusetts

May 2 ----- Board of Visitors' Meeting ---- date reserved

May 9 ----- Sean C. Solomon ----- DTM/Carnegie Institution of Washington

Dr. Alan Scott ----- Alan Scott Sharpens Science and Slices Into the Umpteen Fakes and Follies of Society in His Book **Addicted to Placebos: Understanding Science and Society**. MENOMONIE, WI—AUGUST 14, 2006— Alan Scott has written a book about science and society that designates science as a mode to elevate our existence and enrich our minds. It is a must read for anyone wanting to learn how science and society amalgamate together. Addicted to Placebos tackles many of the vexing issues facing society that are science related. It clearly defines science and arms readers with a power to discern bogus and obtuse claims. The book examines such claims in politics, health dangers, religion, consumer marketing, biotechnology, energy policy and the environment. Does baking soda in the refrigerator really keep food tasting fresher longer? Is the persona of politicians assisted by medication or has digital fakery been utilized in political campaigns? Is our government concealing UFOs that are claimed to have visited earth? Is organic better than traditional farming practices and to what degree do fears drive our choices at the market place? Addicted to Placebos looks at these questions and many more. It is a science book for our times. With this book, business leaders can better manage science issues at meetings or deal with competitors fraudulent claims. Teachers will find the book extremely valuable for developing student critical and scientific thinking. It is all about using science principles to problem solve and establish healthy perspectives on unusual claims. Teachers of all levels can reinvigorate

their science curriculum and cope well with contentious issues such as evolution.

Web Site: physics.uwstout.edu/staff/scott/

POSITIONS AVAILABLE -- DETAILS AVAILABLE IN THE OFFICE OR ON LINE

The University of Maryland ----- The Department of Geology invites applications for a post-doctoral position in U-Pb thermochronology of accessory phases in lower crustal xenoliths. Persons with backgrounds in metamorphic petrology, accessory phase geochemistry and/or U-Pb geochronology are encouraged to apply. Experience in thermal ionization or ICP-MS mass spectrometry is a plus. For best consideration, applications (CV and the names of three references) should be submitted electronically (as a single pdf) to: Prof. Roberta L. Rudnick, Geochemistry Laboratory, Department of Geology, University of Maryland, College Park, MD (rudnick@umd.edu). This is a one-year position, with possible extension to two. Review of applications will begin immediately, and will be ongoing until the position is filled. Tel: 301 405 1311

Fax: 301 405 3597 <http://www.geol.umd.edu/pages/faculty/RUDNICK/rudnick.html>

Auburn University ----- Department of Geology and Geography, invites applications for a tenure track Assistant Professor position in the field of igneous petrology. The ideal applicant will have a strong balance of field and analytical research expertise in igneous petrology, with research and teaching interests in allied fields such as economic geology and tectonics. A Ph.D. in Geology is required at the time of appointment. The candidate selected for this position, which begins August 2008, must meet eligibility requirements to work in the United States on the date the appointment is scheduled to begin and be able to communicate effectively in English. Applicants should submit a detailed curriculum vitae, letter of application (1-2 pages) describing professional experience and research and teaching interests, copies of transcripts, and the names and contact information of at least three references. Applications should be sent to: Dr. Willis Hames, Geology Search Committee Chair, Department of Geology and Geography, 210 Petrie Hall, Auburn University, AL 36849-5224, USA. Applicants are encouraged to visit the AU website (http://www.auburn.edu/cosam/departments/geology_geography/index.htm). Review of applications will begin November 1, 2007 and will continue until a candidate accepts appointment.

Rice University ----- **Energy Resources** ----- Faculty Position ----- Department of Earth Science. Houston is the energy capital of the world. The Earth Science department at Rice University anticipates an opening in Energy Resources and seeks an outstanding scientist at the junior level who will forge strong ties to the energy industry in one or more research areas, including basin analysis and stratigraphy, hydrocarbon systems, sedimentary processes, fluid flow in porous media, or carbon sequestration. Successful candidates are expected to drive active research programs, supervise graduate research and teach courses for undergraduate and graduate students. Details about the department and its facilities can be found at <http://earthscience.rice.edu>. Applications received by November 1st, 2007 will receive fullest consideration. Please send a resume, research and teaching statements, and names of five or more references to: Search Committee Chair ----- Earth Science Department, MS-126 ----- Rice University, PO Box 1892 ----- Houston, TX 77251-1892.

Scripps Institution of Oceanography ----- Applications Invited For Faculty Positions in Quantitative Geophysical and/or Geochemical Modeling, and Global Change. The Scripps Institution of Oceanography at the University of California in San Diego invites applications to fill one or more positions at the Assistant Professor (tenure-track) level in one or more of the fields listed below. Successful candidates will be expected to teach classes and supervise research at both the graduate and undergraduate level. The positions require a PhD degree and a competitive record of publication, as well as evidence of the ability to conduct and fund an active research program

consistent with the opportunity to have done so at this career level. Two of the areas for which applications are being solicited are:

Quantitative geophysical and/or geochemical modeling ----- Seek a candidate with strong theoretical and quantitative skills in any area that complements existing strengths in earth science research at SIO. Possible areas of interest include seismology and crustal deformation, electromagnetics, geochemical and fluid fluxes.

Global change ----- Seek a candidate with research interests in the area of cryosphere modeling and sea-level fluctuations. These could include ice sheet dynamics, interpretation of remote sensing data, or investigations of longer-term glaciological or geological processes related to sea-level variations and

the cryosphere. Full information is available at:

http://sio.ucsd.edu/About/Resources/Employment/Faculty_Positions/

ETH Zurich, Switzerland ----- Research Position in Seismology ----- The Swiss Seismological Service (SED) at ETH Zurich, Switzerland (www.seismo.ethz.ch), is seeking applications for the position of a research seismologist at a junior or intermediate level. Looking for a highly motivated individual that can bridge theoretical and observational aspects of seismology on local and regional scales, with expertise in several of the following areas: Waveform modeling, automated moment-tensor analysis, computational seismology, source quantification, seismometry and data mining. Candidates must have a PhD in geophysics or a related field. She or he is expected to participate in teaching at the Institute of Geophysics, ETH Zurich, to supervise Master and PhD students, as well as to participate in the routine data processing and alarm duties of the SED. Excellent knowledge of modern programming languages as well as shell-scripting in a Unix/Linux environment are an important requirement. Working languages are English and German. For more information, please contact N. Deichmann (deichmann@sed.ethz.ch), U. Kradolfer or D. Giardini. The selection process starts immediately and will continue until the position is filled. The position is expected to have a minimum duration of 3 years with extensions possible. ETH offers a competitive salary, depending on experience and performance. To apply, please e-mail your CV along with a brief statement of research interests and the names and addresses of two references to appli@sed.ethz.ch.

Curtin University of Technology. ----- A post-doctoral position is available within the Computational Group of the Nanochemistry Research Institute to investigate relationships between hydrogen impurity distribution and extended defects in forsterite (Mg_2SiO_4). The position is part of a collaborative project between the Nanochemistry Research Institute and The Institute for Geoscience Research, both Tier 1 research institutes within Curtin University. Duration: 2 years Location: Nanochemistry Research Institute, Curtin University of Technology, Perth, Western Australia. Qualifications: Applicants should have a PhD in mineral physics, solid state chemistry or physics and have experience of ab initio and/or classical solid state modelling methods. Interested candidates should contact Prof. Kate Wright (kate@ivec.org) ----- Prof Kate Wright ----- Nanochemistry Research Institute, ----- Curtin University of Technology, ----- POBox U1897, ----- Perth, WA 6845, Australia ----- +61(0)8 9266 3554 -----

http://www.nanochemistry.curtin.edu.au/people/staff/kate_wright.cfm

University of Michigan ----- Faculty Position in Solid Earth Geophysics ----- The Department of Geological Sciences invites applications for a tenure-track position in Geophysics, pending final approval, to complement the existing strengths in its research on the structure and dynamics of the Solid Earth. The preferred starting date is Fall 2008. Encourage applications from researchers who use observational, theoretical, or experimental approaches with specific focus on Lithosphere Structure and Dynamics and/or Mineral Physics. The appointment is intended at the level of

assistant professor but an appointment to a higher rank may be considered for qualified candidates. Applicants should send curriculum vitae, statement of current and future research plans, statement of teaching philosophy, experience, interests, and evidence of teaching excellence, as well as the names and contact information of three to five referees. For full consideration, applications should be received before December 1, 2007. Applications should be sent to:

Geophysics Faculty Search Chair
Department of Geological Sciences
University of Michigan
1100 N. University Avenue
Ann Arbor, MI 48109-1005.

Enquiries are welcomed at geophysics-search@umich.edu. Additional information about the Department can be found at: www.lsa.umich.edu/geo.