

GEOBULLETIN

September 7, 2007

GEOCLUB

FIELD TRIP is scheduled September 21 - 23. The sign-up sheet is posted on the window of room 236. If you would like more information see Buddy Tangalos (Rm A354)

tanglos@geology.wisc.edu for details.

DEPT FALL PICNIC will be held at Hoyt Park, Sept. 14 @ ~5 p.m.

BOARD OF VISITORS' MEETING

The Geology & Geophysics Board of Visitors' Fall Meeting will be held on Friday, September 21st. The Board will be meeting in the Conference Room (Rm 235) from 8:15 until 3:15 (Weeks Lecture time)

SPECIAL TECHNICAL PRESENTATIONS BY HESS CORPORATION

Michael Cheng

TUESDAY SEPTEMBER 11 ----- 11:00AM Room 470 Weeks Hall

"Petroleum Systems Analysis And Its Application In Exploration"

WEDNESDAY SEPTEMBER 12 ----- 11:00AM Room 470 Weeks Hall

"Parameterization Of Mudrock Properties For Pre-Drill Pressure Prediction Via Burial History Models"

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.

September 14 ----- Ken Hoffman ---- Cal Poly San Luis Obispo & UW Madison -----

September 21 ----- Yifeng Wang ----- Sandia National Lab

September 28 ----- Larry Edwards ---- University of Minnesota

October 5 ----- Jack Tossell ----- University of Maryland

October 12 ----- Hans-Rudolf Wenk ----- University of California - Berkeley ----

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

Nothing scheduled at this time

FALL INDUSTRY RECRUITING SCHEDULE

September 17, 18 & 19 ----- Hess Corporation

September 19, 20 & 21 ----- ConcoPhillips

September 24, 25 & 26 ----- Chevron
September 26, 27 & 28 ----- ExxonMobil
October 1, 2 & 3 ----- BP
October 7, 8 & 9 ----- Shell

All interviews will take place in the Undergrad Lounge (Room A266) therefore that lounge will be closed to normal student traffic on those days. Please use Cline Lounge (Room 243)

If you have questions please contact the Department Coordinator **Jen Walker** ---- Her office is **Room A452, email: jwalker@geology.wisc.edu**

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

University of Florida ----- Department of Geological Sciences invites applications for a tenure-track faculty position in **Geodynamics** at the Assistant Professor level, to start fall 2008. Seek a creative scientist committed to high standards in research and teaching to complement Departmental research in tectonics, geomagnetism, seismology, geochemistry, and surficial processes. The successful candidate will have an established record of publication in peer-reviewed scientific journals, clear potential to lead an externally-funded research group, and enthusiasm for research involving highly talented and broadly diverse graduate and undergraduate students. Especially encourage applicants with expertise in any aspect of physical or chemical geodynamics, from core to surface, involving integration of quantitative modeling and field observations. For more information visit <http://web.geology.ufl.edu/search.html>. Applicants should hold a Ph.D. at the time of application, and supply (a) a curriculum vitae, including publication list and details of current research funding; (b) a statement of teaching experience and interests; (c) a summary of current research activities and future goals, including a statement describing potential links with existing programs in the Department of Geological Sciences at UF; (d) complete contact information for at least three established scientists who are willing to supply letters of reference. To ensure full consideration, applications should be submitted by 19 Dec. 2007 to the Search Committee chair, R. M. Russo, rrusso@ufl.edu, Department of Geological Sciences, P.O. Box 112120, 241 Williamson Hall, University of Florida, Gainesville, FL, 32608, USA; phone +1 352 392 2231; fax +1 352 392 9294. Evaluation of candidates will begin on the closing date and continue until the position is filled.

California State University Fullerton ----- The Department of Geological Sciences invites applications for a tenure-track, Assistant Professorship that will begin August 2008. The successful candidate is expected to develop an active, field-based, externally-funded research program in **Hydrogeochemistry** involving undergraduate and Masters students and must be committed to excellence in teaching the diverse student population. A Ph.D. in Geological Sciences is required at the time of appointment. Teaching responsibilities will include general education classes and upper-division/graduate courses. The department places a strong emphasis on field-based instruction in all class offerings. For a complete description of the requirements, go to <http://diversity.fullerton.edu/> Applicants are encouraged to visit <http://geology.fullerton.edu/> for additional information regarding research and curriculum. To apply, please send 1) a detailed curriculum vita; 2) a letter of application; 3) a teaching statement that includes: a discussion of relevant course work and/or experience in preparation for teaching, a list of courses you would feel comfortable teaching, and a statement of your teaching philosophy; 4) a statement of your future research plans and goals; and 5) letters of recommendation from at least three references familiar with your teaching and research potential. Applicants and referees should send materials directly to: Search Committee Chair, Department of Geological Sciences, California State University, 800 N. State College Blvd., Fullerton, California 92834. Applications will be accepted until the position is filled. To insure full consideration, submit all application materials by November 19, 2007.

Los Alamos National Laboratory ----- Series/Level: TSM ----- Employment Type: LANL Regular **Technical Staff Member – Experimental Hydrologist/Geochemist** ----- EES-6 is a group of about 75 researchers, technicians, students, postdocs, and administrative personnel. Programmatic work spans a range of programs including radioactive waste disposal, environmental remediation, and fossil fuel related research. Capabilities in the group include advanced computational and both field and laboratory experimental expertise and facilities. The Hydrology & Geochemistry Group (EES-6) invites applicants for a staff member position in the general area of hydrogeology and/or geochemistry. The position primarily involves the execution, interpretation, and management of field and laboratory experimental programs. These experimental programs investigate hydrologic and geochemical processes related to but not limited to subsurface contaminant migration, water resources, oil and gas extraction, and subsurface CO₂ sequestration in a range of geologic settings. Required to have demonstrated ability to define, lead, and participate in cutting edge laboratory and field-based research in subsurface flow and transport or geochemistry. Demonstrated ability to interpret data via quantitative or semi quantitative models. Demonstrated visibility within professional community via publications and presentations. Record of successful proposal and funding development. Ability to obtain a Q clearance. Minimum of five years of post-Ph.D. work experience in either Civil, Environmental, or Chemical Engineering, or in the field of Hydrology or Geochemistry. **Education and experience:** Ph.D. in Civil, Environmental, or Chemical Engineering, Hydrology, or Geochemistry. Applications can be submitted online at www.lanl.gov (click on the “Jobs” link). The position number is 214245. Questions may be directed to Dr. Greg Valentine (EES-6 Group Leader) at gav@lanl.gov or 505-665-0259.

Oregon State University (OSU) ----- College of Oceanic and Atmospheric Sciences ----- Available position for an Assistant Professor (Senior Research) or Associate Professor (Senior Research). Seek a research colleague who will be responsible for **management, operation, and research in an established stable isotope laboratory**. Appointment: 0.75 FTE appointment supported through the stable isotope facility, with option for an additional 0.25 FTE associated with grant-funded research programs. Key duties of the position include instrument calibration and maintenance, coordination of and participation in instrument operations along with a diverse user base, training and oversight of research assistants and students, computer and data management, quality assurance, billing, and financial management. Collegial interactions with researchers and students are expected, and active participation in research programs and methods development will be highly encouraged. Minimum requirements are a PhD in chemistry, oceanography, biology, geology and/or a closely related field, significant hands-on experience with operations and management of similar equipment and its application to environmental or biogeochemical research, an established publication record and evidence demonstrating clear potential to engage in grant-funded research. Appointment at the Associate Professor (Senior Research) level will require at least six years experience and a substantial track record of grant funding and publication. Preference will be given to candidates with demonstrated skills and experience in general analytical methods including chemistry, electronics, instrument design and development, computer programming for real-time instrument control, computer network and database management, data analysis, and laboratory management. See http://en.wikipedia.org/wiki/Corvallis,_Oregon for more information). For full consideration, applications must be received by 31 October 2007. Applications for employment should consist of a letter of scientific interest, a detailed curriculum vita that includes a description of relevant skills and experiences, future research interests, a list of publications, and the names and addresses of at least four references. To access application instructions, go to <http://oregonstate.edu/jobs>, posting 0001360, and for the position announcement, go to <http://www.coas.oregonstate.edu/>

Inquiries about the position may be directed to Dr. Alan Mix by email (mix@coas.oregonstate.edu) or by FAX (541-737-2064).

University of Dayton ---- A visiting assistant professorship will be available Jan 2008. Candidates should be field-oriented and possess a strong background in the **Environmental Geosciences**. The Geology Department invites applications for a Visiting Assistant Professor position opening in January 2008 with anticipated renewal for two additional years. Teaching responsibilities will reflect the scientific expertise of the individual but could include: Introductory and Advanced Environmental Geology/Instrumentation; surface and Groundwater Hydrology; Environmental Geophysics/Geochemistry; and/or Climate Science. The successful candidate will have the opportunity to be involved in the University of Dayton Rivers Institute and in the development of new university-wide environmental curricula. The Geology Department's homepage provides information on current faculty and activities: <http://artssciences.udayton.edu/geology/>. Applicants are expected to hold a Ph.D. by August 15, January 2008 start date. Please send a vita, statement of teaching interests, and three letters of reference to: Dr. Allen J. McGrew, Chairperson, Department of Geology, University of Dayton, Dayton, OH 45469-2364. Submissions and informal inquiries are welcome via email: Allen.McGrew@notes.udayton.edu. Closing date for applications is November 1, 2007.

WASHINGTON STATE UNIVERSITY ----- The School of Earth and Environmental Science ---- invites applications for a tenure-track position in **Hydroecology** at the Assistant Professor level to begin in the Fall of 2008 at the Pullman, WA campus. Seek candidates who will develop an externally-funded research program addressing broadly defined ecological questions ranging from interaction of water with microbes and plants to global hydrological cycling. The candidate will be responsible for teaching one or more undergraduate courses in environmental science and one or more graduate courses in her or his area of expertise, as well as supervising graduate students. A PhD is required before date of hire and applicants must provide evidence that they will develop an active, independently funded research program. See the web site at (<http://www.sees.wsu.edu>.) Applicants should submit (1) a letter of application outlining teaching and research interests, (2) a curriculum vitae, and (3) contact information for four professional references to Dr. Richard Gill, Hydroecology Search Chair, SEES, Washington State University, Pullman, WA 99164-2812 USA, email: rgill@wsu.edu. Review of Applications will begin October 15, 2007.

University of California, Santa Cruz ----- The Ocean Sciences Department invites applications for a tenure-track position at the Assistant Professor level. Seek candidates with research focused on the role of the oceans on climate and/or climate change. Research interests could include, but are not limited to, observational or data-based studies of coastal or large-scale ocean dynamics, ocean-atmosphere interactions, and other physical aspects of climate change. The successful candidate will be expected to develop and maintain a vigorous research program that adds to existing strengths in the Ocean Sciences department in substantive ways and that complements these strengths and those in other, allied UCSC departments. In addition, the potential exists to develop strong, complementary research ties with neighboring oceanographic institutions in the Monterey Bay region. Teaching duties require a breadth of knowledge in physical oceanography. Candidates should have the desire and ability to regularly teach general ocean sciences classes, as well as specialty courses in their fields of expertise at all levels, and to supervise graduate students. Send a letter of application; a curriculum vitae, a statement of research and teaching interests; and the names and addresses of four referees (include phone, fax, e-mail). Send materials to: Prof. Andrew Moore, Search Committee Chair, Ocean Sciences Department, 1156 High Street, UCSC, Santa Cruz, CA 95064. Please refer to position #842-08 in your reply. Screening will begin with applications postmarked by 15 October, 2007.

The U.S. Geological Survey (USGS) invites applications for the Mendenhall Postdoctoral Research Fellowship Program for FY 2009. The Mendenhall Program provides opportunities to conduct research in association with selected members of the USGS professional staff. Through this Program the USGS will acquire current expertise in science to assist in implementation of the science strategy of its programs. FY 2009 begins in October 2008. Opportunities for research are available in a wide range of topics including: shale-gas resource potential; climate change; karst geomorphology and hydrology; greenhouse gas fluxes from the land/sea margin; coastal change; mapping 3D distribution of hydrogeologic properties; geological materials and human health; applications of airborne gravity gradient measurements; petroleum system processes; unconventional energy resources; earthquake simulations; uncertainty assessments; tsunamigenic earthquakes; detection of anomalous hydrothermal and volcanic activity; rates of magma production; geologic storage of carbon dioxide; modeling debris flows and rock avalanches; urban hazards; slip rate indicators; risk and vulnerability of communities to natural hazards; applied remote sensing; dynamics of volcanic tephra plumes; landforms associated with active faults; landscape change; valuating landscape and ecological services. The postdoctoral fellowships are 2-year appointments with competitive salary and benefits. The closing date for applications is November 9, 2007. Appointments will start October 2008 or later, depending on availability of funds. A description of the program, research opportunities, and the application process are available at: <http://geology.usgs.gov/postdoc>. **Program Contacts: Dr. Rama K. Kotra, 703-648-6271, rkotra@usgs.gov; Sarah Griffin-Bemis, 703-648-7395, sgriffin@usgs.gov**