

# *GEOBULLETIN*

## *February 1, 2008*

**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. No more lectures scheduled for this semester.

### **SPRING 2008 WEEKS LECTURE SCHEDULE**

February 1 ----

February 8 ---- Neil Shubin ---- University of Chicago ----

February 15 ---- Linda Hinnov ---- The Johns Hopkins University ----

February 22 ---- David Wesolowski ---- ORNL ----

February 29 ---- Gene Hunt ---- Smithsonian ----

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

March 28 ---- **Hold for AAPG**

April 4 ---- Martin Saar ---- University of Minnesota ----

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

April 18 ---- Christopher Kim – Chapman University

April 25 ---- Board of Visitors' Meeting ---- date reserved ----

May 2 ---- Dave Deamer ---- University of California – Santa Cruz

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

### **FALL 2008 WEEKS LECTURE SCHEDULE**

September 12 ---- Steve Holland --- University of Georgia

### **POSITION OPENINGS:**

#### **MINERALOGY AND PETROLOGY - ASSISTANT PROFESSOR**

Tufts University invites applications for a full-time, tenure-track position as an Assistant Professor of Geology in the areas of Mineralogy and Petrology, beginning September 1, 2008. Qualifications include: Ph.D. by time of appointment; demonstrated potential for research supported by external funding; and teaching experience at the college level. The applicant should be able to fit into a small, well-equipped department where teaching is highly valued. The department currently offers undergraduate majors, and a new focused graduate program is being developed. The successful candidate will be expected to teach undergraduate courses in Mineralogy, Igneous/Metamorphic Petrology, and one or more upper level and graduate courses in a field related to the person's expertise. A letter of application, statement of teaching and research interests, transcripts, CV, and the names and addresses of three references should be sent to Anne F. Gardulski, Chair, Department of Geology, Tufts University, Medford, MA 02155. Review of applications will begin November 15, 2007 and will continue until the position is filled. Tufts University is an Affirmative Action/Equal Opportunity employer. We are committed to increasing the diversity of our faculty. Members of underrepresented groups are strongly encouraged to apply.

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**Barr Engineering**, an environmental consulting firm with offices in Minneapolis, Hibbing and Duluth MN, And Arbor MI and Jefferson City MO, offers summer internships to undergraduates in Geology and Geophysics and Geologic Engineering. For additional information see the Barr web site at <http://www.barr.com/Jobs/Internships.asp>

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Laboratory Technician. Radiocarbon Dating Laboratory

A permanent full-time position is available in the Rafter Radiocarbon Lab for a technician to provide analytical support in the laboratory. The work involves the physical and chemical preparation of samples submitted for radiocarbon dating. The successful candidate for this job will have

- a tertiary qualification, preferably in chemistry or geochemistry;
- practical knowledge of and experience in laboratory equipment and procedures, and in solving technical problems;
- demonstrated ability to work reliably and to adhere to strict procedures;
- meticulous attention to detail, including clear and accurate record keeping;
- good communication and computer skills; familiarity with PC software
- the ability to work well in a team and to cooperate with colleagues in helping the laboratory to fulfil its functions in research and commercial activities.

The Rafter Radiocarbon Lab is part of the National Isotope Centre, a division of GNS Science, the premier source of applied isotope science capability in New Zealand. GNS Science is a Crown Research Institute (CRI) owned by the New Zealand Government and is New Zealand's largest geological science organisation. It provides geological and geophysical research and consultancy services to government and industry within New Zealand and overseas.

Further information on GNS, this position, and an application form can be obtained from our website <http://www.gns.cri.nz/news/vacancies/index.html> To apply, please forward a covering letter, curriculum vitae and a completed application form to Human Resources, or email to [careers@gns.cri.nz](mailto:careers@gns.cri.nz)

Human Resources  
GNS Science  
PO Box 30 368  
Lower Hutt 5040  
New Zealand  
T +64 4 570 1444  
F +64 4 570 4748

The closing date for applications is Friday 29 February 2008

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### **Assistant Professorship in Analytical Geochemistry, Geological Sciences, Indiana University, Bloomington**

The Department of Geological Sciences at Indiana University, Bloomington, invites applications for a tenure-track faculty appointment at the Assistant Professor level specializing in analytical geochemistry. We seek an individual whose research centers on the use of multi-collector ICPMS to address fundamental questions in the geosciences. Preference will be given to candidates whose interests complement existing departmental expertise in areas of isotopic and molecular geochemistry, hydrogeology and mineralogy, and strengthen and augment current research programs in studies of the evolution and history of Earth and/or planetary systems. Our instrumental laboratories for biogeochemistry and analytical and environmental geochemistry will move to a new multidisciplinary science building scheduled for completion in June 2009, which has space designated for an ICP-MS facility.

Review of applications will begin on March 1, 2008 and will continue until a suitable candidate is recruited. All enquiries and applications should be addressed to Simon Brassell, Professor and Chair, Department of Geological Sciences, Indiana University, Bloomington, IN 47405-1403 (simon@indiana.edu). Please submit a letter of application, and a complete vita, with contact information and the names of at least three referees. *Indiana University is an equal opportunity/affirmative action employer*, and encourages applications from women and minority candidates.

Edward M. Ripley  
Professor of Geochemistry  
Indiana University  
1005 East Tenth Street  
Bloomington, IN 47405  
Tel.: 812-855-1196  
Fax.: 812-8557961

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**The Southern California Earthquake Center (SCEC)** is accepting applications from undergraduate students around the country for two Summer internship programs:

- \* The SCEC Summer Undergraduate Research Experience (SCEC/SURE) program pairs students who are typically majoring in earth science, geography, or geotechnical engineering to conduct research one-on-one with a SCEC scientist at the scientist's institution or field site.
- \* The SCEC Undergraduate Studies in Earthquake Information Technology (SCEC/UseIT) program unites undergraduates from many disciplines to conduct team-based information technology research at SCEC headquarters at the University of Southern California (USC).

SURE and UseIT interns must be current college undergraduates. (Graduates, graduate students, and high school students are not eligible.) With the exception of students who attend USC, SCEC undergraduate interns must be citizens or permanent residents of the United States.

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SCEC interns receive a stipend for 8-10 weeks of summer work, plus all expenses paid to attend a summer field trip and the SCEC Annual Meeting. Additionally, some participants may be eligible for no-cost summer housing and travel assistance.

To learn more about either program go to <http://www.scec.org/internships>. Applications will be accepted online through February 15, 2008 (or until all positions are filled).

Both programs are made possible with funding from the National Science Foundation Research Experience for Undergraduates program and diverse other sources.

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**The National Oceanic and Atmospheric Administration of the U.S. Department of Commerce** is pleased to announce the availability of a two year undergraduate scholarship opportunity, the \*2008 Hollings Undergraduate Scholarship Program\*. The attached announcement and flyer provides further details on the scholarship. Please distribute the flyer widely to the appropriate faculty, students, and administrators affiliated with your University.

### **2008 NOAA Ernest F. Hollings Undergraduate Scholarship Program**

#### **Participant Benefits:**

- Up to \$8,000 in academic assistance per school year for full time study
- 10-week, paid (\$650/week) summer internship
- Housing subsidy during summer internship

**Application Deadlines: FEBRUARY 8, 2008**•Completed Applications must be received by February 8, 2008 •References, mailed by the referee, must be received by February 8, 2008•Official transcripts, mailed by academic institution, must be received by February 8, 2008

#### **•Faxed Applications or Supporting Materials will not be accepted. Eligibility**

**Requirements:**•US citizen•3.0 GPA or better (cumulative & current)•Majoring in NOAA related disciplines, including, oceanic, environmental, and atmospheric sciences, mathematics, engineering, remote sensing technology, physical and social sciences including, geography, physics, hydrology, policy, geomatics, or teacher education that support NOAA's programs and mission.**Applications may be e-mailed to [StudentScholarshipPrograms@noaa.gov](mailto:StudentScholarshipPrograms@noaa.gov) mail hard copies to: NOAA/Office of EducationHollings Scholarship Program1315 East West HighwaySSMC3, Room 10703 Silver Spring, Maryland 20910**

**For more information contact:**ChantellHaskins at (301) 713-9437 x 125, or[StudentScholarshipPrograms@noaa.gov](mailto:StudentScholarshipPrograms@noaa.gov) go to<http://www.oesd.noaa.gov>

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### **Exploration Geophysicist Appalachian Basin**

**A successful Appalachian Basin based independent Oil and Gas Company** is in search of a highly motivated, talented, entrepreneurial minded geophysicist to coordinate company wide exploration activity utilizing primarily 3-D seismic data.

Primary duties will include coordination of seismic data acquisition, processing, and interpretation of the data to generate drilling prospects. Responsibilities also include review of existing seismic data to generate future prospects.

The candidate will work closely with the Management, Engineering, Geology, and Land personnel in a close team atmosphere. Job exposure includes a small company atmosphere with challenging technical applications.

Carbonate reservoir experience is preferred. Access to advanced training is provided by the company. Competitive salary, retirement, and benefit package.

Please send resumes to [aoc@artexoil.com](mailto:aoc@artexoil.com) or mail to:

Artex Oil Company  
2163A State Route 821  
Marietta, Ohio 45750.

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Geotimes, the monthly news magazine of the earth sciences, is now accepting applications for its 2008 summer internship. We are looking for individuals, preferably with a geoscience background, who are interested in science writing and journalism. Based at the American Geological Institute in Alexandria, Va., the internship is 12 weeks long and includes a \$3,500 stipend. Please pass the attached flyer and information along to your students. The announcement is also posted on our Web site at <http://www.geotimes.org/>

We'd appreciate your help in getting the word out about this opportunity. Please contact me with any questions.

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Meg Sever  
Managing Editor, Geotimes  
American Geological Institute  
email: [kms@agiweb.org](mailto:kms@agiweb.org)

\*\*\*\*\* **HAVE A GREAT WEEKEND!** \*\*\*\*\*