

GEOBULLETIN

January 25, 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

January 24 - Thursday ----- Bruce Simonson --- Oberlin College ---

TITLE: "Sedimentology of banded and granular iron formations"

January 25 - Friday ----- Bruce Simonson ----- Oberlin College ---

TITLE: "Precambrian spherule layers: unique archives of asteroid impact and early Earth History"

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 -----

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:

This position is restricted to Australian citizens only. Stable Isotope Analyst

\$57,456 - \$60,902 (plus super)

We are seeking an instrument technician with practical experience in instrumental analytical chemistry, or a related discipline, with special emphasis on stable isotope analysis using isotope ratio mass spectrometry. As part of a team you will provide analytical support for research projects aimed at understanding and utilizing isotopes in the environment to solve problems in areas such as hydrology.

To be successful in this position you will be required to be pro-active and flexible. You will be responsible for the operating and day-to-day management of an Isotope Ratio Mass Spectrometer for analysis of stable isotopes of hydrogen and oxygen in waters.

This will include:

* Sample handling and disposal, preparing samples for analyses, ordering

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and inventorying laboratory supplies

- * Analyzing data and reporting results, ensuring good data quality and compiling data into tables and graphs
- * Scheduling and prioritizing analyses in order to meet client deadlines
- * Performing routine maintenance and repairs on laboratory equipment
- * Supervising and training students and visitors in performing stable isotope analysis

Applicants should have a diploma or degree in chemistry or a closely related discipline. Experience with instrumental analytical methods, preferably with stable isotope ratio mass spectrometry will be highly regarded. Excellent communication skills and a demonstrated ability to work as part of a team are required.

This appointment will be offered for an initial three-year term, negotiable and potentially renewable subject to operational requirements. To be eligible for engagement, applicants will require a medical and security assessment and must be an Australian citizen.

Selection criteria can be found on our website or by contacting Laura

Dascolias on +61 (02) 9717 3675.

For technical information relating to this position please contact Geraldine Jacobsen on +61 (02) 9717 9060.

To apply and for further information please consult the vacancies page of our website www.ansto.gov.au <<http://www.ansto.gov.au/>>

Applications close: 8 February 2008

Cath Hughes
Research Scientist
Radiotracing & isotope hydrology
ANSTO Institute for Environmental Research
PMB 1, Menai NSW 2234, AUSTRALIA

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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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.

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.

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

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•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 mail hard copies to: NOAA/Office of Education Hollings Scholarship Program 1315 East West Highway SSMC3, Room 10703 Silver Spring, Maryland 20910**

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

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 or mail to:

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

**Looking for an exciting summer job?
Be a Student Advisor for Cross-College Advising Service/College of
Letters & Science at SOAR!**

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Description:

Student Advisors will work collaboratively with CCAS/L&S professional advisors to help incoming freshmen and transfer students select and register for courses during the 8-week SOAR program. Each Student Advisor will assist incoming students in small groups and on an individual basis.

We are looking for Student Advisors who represent our student population in age, gender, race, ethnicity, sexual orientation, city/state/country of origin, and major. ALL are encouraged to apply. Applicant must be a continuing student for the Fall 2008 semester.

For more information go to:

http://www.lssaa.wisc.edu/ccas/soar_description.html?type=soar > http://www.lssaa.wisc.edu/ccas/soar_description.html?type=soar

Application, cover letter, resume, and two letters of recommendation due by 12:00pm (noon) on Thursday, February 7, 2008 in Room 10 Ingraham Hall. Late or incomplete applications will not be accepted.

Questions? Contact Randy Gentile (<<mailto:rtgentile@facstaff.wisc.edu>>rtgentile@wisc.edu) or Diana Maki (<<mailto:dsmaki@lssaa.wisc.edu>>dsmaki@wisc.edu)

Chemistry Technician

TECHNICIAN GRADE 4:

Technical post available in the radio carbon laboratory in Oxford University, see below or follow this link for more details

<http://c14.arch.ox.ac.uk/embed.php?File=vacancies.html>

A post is available in the Oxford Radiocarbon Accelerator Unit for a technician with chemistry, biochemistry or molecular biology training. The primary duties will be the extraction of organic components from archaeological and geological samples for radiocarbon dating. This requires an ability to work methodically and accurately, and to work as part of a team. There is also likely to be some involvement with research projects. Experience with chemical or biochemical methods is essential, as well as basic computer skills. Familiarity with spectroscopy and chromatography would be an asset. An interest in archaeology or geology would also be welcomed.

Applications consisting of a letter of application, a curriculum vitae, and the names and addresses of two referees (at least one of whom should be the applicant's current or previous employer) should be sent to the Administrator (Jane Simcox), Research Laboratory for Archaeology & the History of Art, Dyson Perrins Building, South Parks Road, Oxford OX1 3QY (jane.simcox@rlaha.ox.ac.uk). There is no application form.

Further particulars are available [below](#). Any queries about the post should be made to Dr. Fiona Brock, Chemistry Laboratory Manager, Research Laboratory for Archaeology and the History of

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Art, Dyson Perrins Building, South Parks Rd, Oxford OX1 3QY (Tel: 01865-285210; email: fiona.brock@rlaha.ox.ac.uk).

The closing date for applications is Friday 1st February 2008.

W3-Professor for Mineralogy

The Institute of Geosciences at the Friedrich Schiller University of Jena, Germany, invites applications for a tenured Full Professorship (W3) in the Faculty of Chemistry and Geosciences.

The Institute of Geosciences comprises the fields of geology, geophysics and mineralogy and emphasizes a close cooperation between the various fields of Earth Sciences (sedimentology, structural geology, applied geology, hydrogeology, mineralogy, geochemistry, geophysics, and applied geophysics) in teaching and research. The institute is well equipped with an array of mineralogical (TEM, DEGAS, XRF, XRD, EMP, AFM) and hydrogeochemical (LA-ICP-MS, ICP-OES, GC-MS) facilities.

We are seeking applications from candidates with an established international reputation in the field of analytical mineralogy and a strong commitment to teaching on the undergraduate and graduate levels of geosciences, biogeosciences, and material sciences. The successful candidate is expected to develop new research initiatives in mineralogy and to promote cooperative interdisciplinary research within the framework of earth sciences, environmental sciences, microbiology and material sciences. He/she is expected to participate in the Jena school for microbial communication (JSMC), funded by the German Excellence Initiative. The successful candidate will also be responsible for the historically grown mineral museum.

Candidates should send a complete application including up to 5 selected publications until the 31st of January 2008 to the Dean of the Faculty of Chemistry and Earth Sciences, Friedrich Schiller University Jena, Humboldtstraße 11, D-07743 Jena, Germany.

There is still time for faculty and students to secure a paid summer internship for 2008. Apply today at www.orau.org/nrc.

The U.S. Nuclear Regulatory Commission Historically Black Colleges and Universities Research Participation Program

Description: The HBCU Research Participation Program introduces faculty, graduates, and undergraduates from HBCUs to the research and development activities of the federal government through research, education, and training activities. In addition, the program provides incentives for HBCU students to enter into and continue with science and engineering careers.

Discipline(s): computer science, engineering, earth or geosciences, health physics, materials science, mathematics, molecular/radiation biology, performance and risk assessments, physical sciences, statistics-relate

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Eligibility: U.S. Citizens and Legal Permanent Residents. Undergraduate and graduate students from Historically Black Colleges and Universities; U.S. citizens or legal permanent residents

Location(s): laboratories where Nuclear Regulatory Commission research is being conducted; some appointments on Historically Black Colleges and Universities campuses; some appointments at host universities under the guidance of principal investigators who have Nuclear Regulatory Commission research grants

Duration: 10 to 12 weeks for summer appointments; some part-time appointments of one year

Benefits: weekly stipend of \$600 for undergraduates, \$700 for graduate students; limited travel reimbursement (round-trip transportation expenses between facility and home or campus)

Funding source: Nuclear Regulatory Commission

How to apply: www.ornl.gov/nrc

Program Contact: Alicia JoAnn Edwards Wells

Program Specialist, ORAU/ORISE

Science Education Programs

P.O. Box 117, MS-36

Oak Ridge, TN 37831

Phone: 865-576-3409

Fax: 865-241-5220

Are you interested in conducting research at the US Department of Energy's largest multi-purpose laboratory?

Do you know someone who would be an excellent intern, participating in world-class research with world-class scientists?

Would you like to get paid to learn?

Are you interested in expanding your resumé?

Would you like to gain research experience before entering the workforce or graduate school?

Science Undergraduate Laboratory Internship (SULI) Program

Community College Institute (CCI) Program

Pre-Service Teacher (PST) Program

Faculty and Student Teams (FaST) Program

Standard Eligibility Requirements:

- ◆ Must have earned a high school diploma or GED
- ◆ Must be at least 18 years old at the start of the program

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- ◆ Must have completed at least one semester of college
- ◆ Must have a minimum 2.5 out of 4.0 GPA
- ◆ Must be a United States Citizen or Legal Permanent Resident
- ◆ Must have coverage under a health insurance plan. It is the responsibility of each participant to secure insurance coverage before arriving at the appointment site

Please see www.scied.science.doe.gov for specific program eligibility requirements.

~Deadline February 1, 2008~

APPLY ONLINE NOW~ www.scied.science.doe.gov ~APPLY ONLINE NOW

Must submit a completed application

Must submit Two Letters of Recommendation

ORNL Education Program Contacts:

Ebony Vauss, (865) 576-3426, ebony.vauss@ornl.gov

Terry Howard, (865) 241-6395, terry.howard@ornl.gov

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