

Inland Geological Society

March 2009

Newsletter of the Inland Geological Society

Volume 25 No. 3

This Meeting:

**Thursday,
March 5th**

Time:

**Social: 6:00pm
Dinner: 6:30pm
Lecture: 7:00pm**

Location:

**LSA Associates
1500 Iowa Ave
Suite 200
Riverside, CA
92507
(Map on Pg.4)**

**Coming to
Dinner?**

**Please RSVP:
By Friday 2/27
(951) 782-3295
dlass@
waterboards.ca.gov**

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March Speaker:

**Dr. Susan Hough
United State Geological Survey**



Earthquakes: Predicting the Unpredictable

Abstract

Earthquakes scare us more than fierce storms, more than volcanoes, because they hit us with no warning out of a clear blue sky – or worse, a clear black one. Why can't seismologists predict earthquakes? This is inevitably the first question on people's minds when seismologists talk about earthquake science. It is a natural question. Some can still recall the optimism voiced by top scientists in the 1970s that earthquake prediction was just around the corner. Many remain convinced that animals have the ability to sense impending large quakes. And what about the videos that now pop up on YouTube, purporting to show so-called earthquake lights prior to large quakes? The talk will describe efforts by scientists to develop earthquake prediction methods based on observations ranging from small earthquake patterns to electromagnetic signals, including methods that raised hopes in the past, only to fall apart under closer scrutiny, as well as methods that some believe hold out some promise at present.

Biography:

Dr. Susan Hough is a Seismologist at the United State Geological Survey. In addition to publishing many articles in both peer-reviewed and general-interest journals and magazines, she served as Editor-in-Chief of Seismological Research Letters (2001-2006) as well as a contributing editor for GeoTimes Magazine. She has also published several books.

Dr. Hough received her Bachelor's Degree with honors in Geophysics from University of California, Berkeley and her Ph.D. in Geophysics from the Scripps Institution of Oceanography, a graduate school of Univ. of California, San Diego. Links to her articles can be found at her UGSS web page at <http://pasadena.wr.usgs.gov/office/hough>.

Upcoming Meetings/Events

Rock & Gem Shows—Various locations

Various rock and mineral shows will be throughout southern California. To find one nearest you, visit www.rockngem.com/showdates.asp

AEG—Inland Empire Chapter Meeting



Dr. Ed Medley of Geosyntec Consultants in Oakland, CA and the GSA/AEG 2009 Jahns Distinguished Lecturer in Engineering Geology will be giving a talk at the April AEG meeting. The meeting will be **Wed., April 15, 2009** at Cal Poly Pomona. For more information, please visit www.aegsc.org/chapters/inlandempire/

SME—Southern California Section Meeting

Dr. David R. Jessey, Professor of Geology at Cal Poly Pomona, will be giving a talk on *Tectonics and Volcanism within the Owens Valley*. The meeting will be **Tues., March 17, 2009** at the Pomona Valley Mining Co. Restaurant. For more information, visit www.smenet.org/southerncalifornia

South Coast Geological Society



Paul Guptil, Senior Principal at Kleinfelder West, Inc. in Irvine, CA, will be giving a talk on the *Irvine-Corona Expressway Tunnel*. The meeting will be **Mon., March 2, 2009** at the Doubletree Club Hotel in Santa Ana, CA. For more information, visit www.southcoastgeo.org

Wanted: Student Internship

Amanda Lopez, CSUSB, geology major
e-mail: alopez1804@hotmail.com

Amanda Lopez is a geology major at CSUSB and is expected to graduate in June. She is looking for either an internship or student position that will continue through the end of the academic year (June 2009). All of her geology coursework has been completed including engineering geology, hydrology, and geologic mapping. Her experience includes some knowledge in the geotechnical field and basic skills in water flow measurement.

IGS Meeting Schedule

April 1, 2009 (Wednesday)

Dr. Kim Bishop, CSU, Los Angeles
1872 Owens Valley earthquake and fault rupture

May 7, 2009 (Thursday)

Bob Reynolds, LSA Associates, Inc.
Stratigraphic Relationships in the Lower Barstow Formation

June 3, 2009 (Wednesday)

Lisa Pierce/Suzie Earp, Water Resources Inst.
Resources available at the Water Resources Institute at Cal State University, San Bernardino

July 2, 2009 (Thursday)

TBA

August 5, 2009 (Wednesday)

TBA

September 3, 2009 (Thursday)

Kent McMillan, Geo-Logic Associates
Faulting in the Imperial Valley (tentative)

October 7, 2009 (Wednesday)

TBA

November 5, 2009 (Thursday)

TBA

December 2, 2009 (Wednesday)

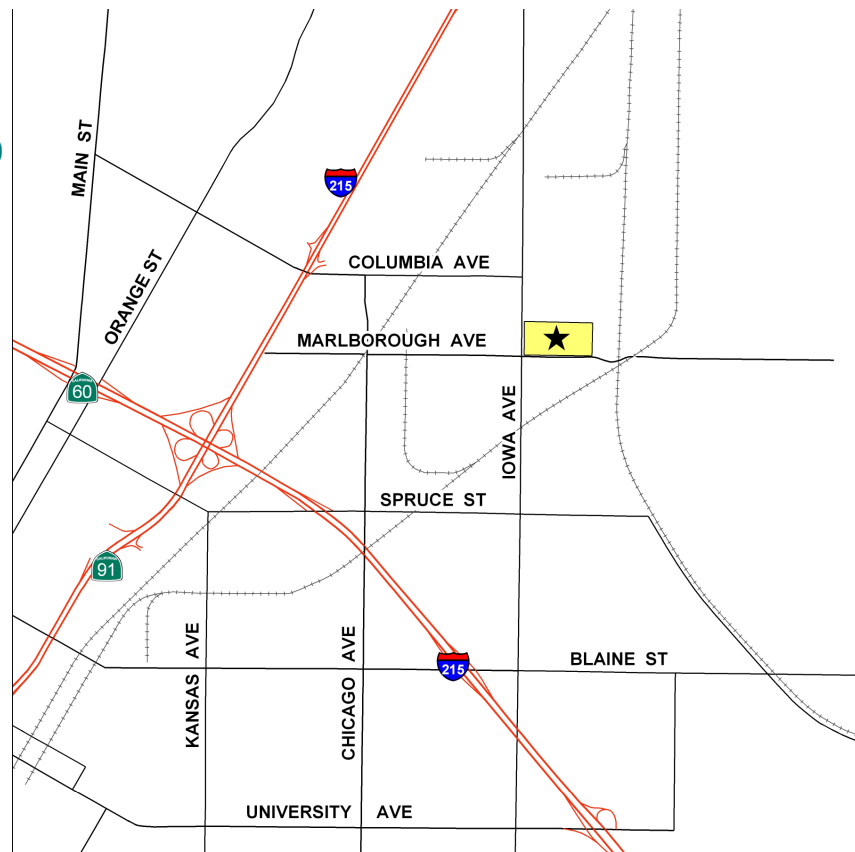
TBA

January 7, 2010 (Thursday)

Baird King, Student at UCR
A record of climate change in the Rock Creek drainage of the Eastern Sierra Nevada, California

IGS MEETING LOCATION:

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Riverside, CA 92507

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