

# Inland Geological Society

September 2010

Newsletter of the Inland Geological Society

Volume 26 No. 9

*This Meeting:*  
**Thursday,  
September 2<sup>nd</sup>**

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

Location:  
**LSA Associates  
1500 Iowa Ave  
Suite 200  
Riverside, CA  
92507**  
(Map on Pg. 5)

Coming to  
Dinner?  
Please RSVP:  
**By Monday 08/30**  
**(951) 782-3295**  
dlass@  
waterboards.ca.gov

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## **September Speaker:**

**Kathleen Springer**

Senior Curator—Geological Sciences, San Bernardino County Museum



## **The San Andreas Fault and the Great California ShakeOut**

Abstract

Kathleen Springer, Senior Curator in Geological Sciences at the San Bernardino County Museum, will illustrate in her lecture that our region straddles the mother of all faults, the mighty San Andreas Fault. This giant gash that slices through California is the boundary between two of the largest tectonic plates on the planet, which in turn makes our area one of the most geologically active regions in North America! The ShakeOut scenario, a hypothetical earthquake designed by scientists to show what will happen when a major earthquake strikes southern California, is intended to raise earthquake awareness and to motivate preparedness as well as participation in the “Drop, Cover and Hold On” drill that will occur at 10:21 a.m. on October 21, 2010, the day of the Great California ShakeOut, a statewide, and now annual drill.

Additionally, Ms. Springer will highlight and share what San Bernardino County Museum is doing in terms of communicating earth systems science and in this case, earthquake science. to the public -via public lectures, field trips, and ultimately in the new Hall of Geological Wonders where the museum will be showcasing the San Andreas Fault like no venue, ever.

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## **The Great California ShakeOut Event at the San Bernardino County Museum – October 21, 2010**

Join the staff of the San Bernardino County Museum for the Great California ShakeOut, the largest earthquake drill ever! Help us practice the “Drop, Cover and Hold On” drill. Nearly 6.9 million people participated in the ShakeOut in 2009, so let’s make this year’s event even bigger! The day will include hundreds of school children performing the drill as well as an earthquake preparedness fair in our courtyard, with representatives from County agencies that will share information on emergency response to disaster. Earthquake activities for children assisted by the Education Division as well as a public lecture/workshop by Senior Curator Kathleen Springer on the “Seven Steps to Earthquake Safety” will make this day an event not to miss.

The San Bernardino County Museum is committed to be southern California’s nexus for earthquake science and earthquake preparedness information – all in line with our exhibit plans for the Hall of Geological Wonders. The SBCM is the hub of the “EPIcenter” collaborative -- Earthquake Education and Public Information Centers, which includes other southland museums, parks and other informal science education venues that are committed to promoting earthquake preparedness information.

With the ShakeOut going statewide in 2009 and annually thereafter, the SBCM has stepped up to a statewide leadership role to help coordinate and assist the EPIcenter group expand to throughout the state. To learn more, go to [www.shakeout.org](http://www.shakeout.org).

### **Biography:**

Kathleen Springer has been at the San Bernardino County Museum (SBCM) since 1989, where she is the Senior Curator in the Division of Geological Sciences. She has lead geologic and paleontologic investigations throughout southern California, Arizona and Nevada and has been instrumental in developing fossil resource management guidelines for county, state and federal agencies. Kathleen earned B.S. and M.S. degrees in Geological Sciences from the University of California, Riverside with an emphasis in paleontology. She specializes in studying the paleo-depositional environments of late Pleistocene localities throughout the southwest and the stresses the application of stratigraphic controls, geologic mapping and full curation of recovered specimens in such studies. Her efforts have led to the recovery and preservation of thousands of significant fossils and their associated data that currently reside in the SBCM. Currently, with grant funding from the Bureau of Land Management (BLM), Kathleen is undertaking geologic mapping, documenting and collecting late Pleistocene vertebrate fossil localities in the extensive spring deposits of the Upper Las Vegas Wash, as well as implementing the State of Nevada’s first Paleontologic Site Stewardship program for the BLM in this area. She also is conducting research in Joshua Tree National Park in the eastern Pinto Basin and the Eagle Mountains. In addition, since 2004, Kathleen and her curatorial colleagues in Geological Sciences have been focused on creating all of the exhibits for the Museum’s upcoming Hall of Geological Wonders, showcasing our region’s geologic and paleontologic wonders.

**Are you Prepared for a large earthquake?  
Register today to participate in the Great California ShakeOut!**

**WE ARE LOOKING FOR SPEAKERS**

**Tell us about what you have been working on!**

**Have been working on an interesting project at work?**

**Maybe you have been conducting research  
that you can share with us!**

**Are you a student and would like you share  
your senior project? Your future employer may even be  
sitting in the audience listening!**

**Are you planning on defending your senior project,  
thesis or dissertation? Here is a great opportunity to get  
in great practice before you defense!**

**Are you a recent graduate? Here's your  
opportunity to shine! Tell us about your senior  
project or thesis research.**

**Maybe you know of someone who  
would like to speak at a meeting!**

**Contact Steve Mains, Greg Middleton, Greg Johnson  
or Shelby Barker and get your name in the schedule!**

## Upcoming Meetings/Events

### Rock & Gem Shows—Various locations

Various rock and mineral shows will be throughout So. California. To find one near you, visit [www.rockngem.com/showdates.asp](http://www.rockngem.com/showdates.asp)

### Groundwater Resources Association of CA

The Groundwater Resources Association of California will be holding their *Principles of Groundwater Flow & Flow Transport Modeling* Course on **September 13 -15, 2010** at the Seaport Conference Center, Redwood City, CA. Space is limited, so register early! For more info., visit [www.grac.org/modreg](http://www.grac.org/modreg)

### Groundwater Resources Association - 19th Annual Conference & Meeting

The Groundwater Resources Association is having their 19th Annual Conference and Meeting, titled "*Think Outside the Pipe—Exploring and protecting Local Water Supplies*" on **September 15 -16, 2010** in Burlingame, CA. For more info., visit [www.grac.org/](http://www.grac.org/)

### SME—SoCal Section September Meeting



Amanda Elioff, P.E., senior professional associate for Parsons Brinkerhoff—Los Angeles, CA, will be presenting a very interesting program on the planning, engineering, tunneling and underground

construction on the L.A. Metro Transportation System on **Tuesday, September 21, 2010**. For more info., visit [www.smenet.org/southerncalifornia/](http://www.smenet.org/southerncalifornia/)

### South Coast Geological Society Meeting



South Coast Geological Society will be having their monthly meeting on **Monday, September 13, 2010** at the Doubletree Club Hotel in Santa Ana, CA. For more info, visit [www.southcoastgeo.org](http://www.southcoastgeo.org).

### Los Angeles Basin Geological Society September Meeting



South Coast Geological Society will be having their monthly meeting on **Thursday, Sept. 23, 2010** (speaker is to be determined). For more info, visit [www.labgs.org](http://www.labgs.org).

### SEPM, Pacific Section—2010 Fall Field Trip



The Society for Sedimentary Geology, Pacific Section has tentatively scheduled their 2010 fall field trip, "*Late Paleozoic of Arrow Canyon, Nevada*, for **October 16 - 17, 2010**. For more info., visit [www.sci.sdsu.edu/](http://www.sci.sdsu.edu/)



## IGS Meeting Schedule

### **October 6, 2010 (Wednesday)**

Dr. Elizabeth Cochran, UC Riverside  
TBA

### **November 4, 2010 (Thursday)**

TBA

### **December 1, 2010 (Wednesday)**

TBA

### **January 6, 2010 (Thursday)**

TBA

### **February 2, 2010 (Wednesday)**

TBA

### **March 3, 2010 (Thursday)**

TBA

**IGS MEETING LOCATION:**

**LSA Associates, Inc.**  
**1500 Iowa Ave, Suite 200**  
**Riverside, CA 92507**

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**Inland Geological Society Newsletter**

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