

# Inland Geological Society

December 2009

Newsletter of the Inland Geological Society

Volume 25 No. 12

**This Meeting:**

**Wednesday,  
December 2**

**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 11/27  
(951) 782-3295  
dlass@  
waterboards.ca.gov**

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**December Speaker:**

**Dr. Prem Saint**

**Professor Emeritus, Geology and Hydrology, CSU Fullerton, CA**



**Paleohydrology of the 5000-year old Indus Valley  
Archeological Sites in the N.W. Indian subcontinent**

**Abstract**

The Indus is an antecedent river and is older than the Himalayas. The Indus and its tributaries have supported a riverine civilization—the Indus, Sarasvati Civilization—with over 2000 archeological sites (see map) that are contemporaneous with the Nile Valley and the Tigris-Euphrates sites. The civilization collapsed and the sites were abandoned about 3900 years ago. The talk will evaluate several of the working hypotheses for the collapse, including invasions, climatic changes as well as tectonically induced stream piracy. There will also be a discussion of comparative geological and hydrological phenomena in the Southern California setting.

**Biography:**

Dr. Prem Saint is Professor Emeritus, Geology and Hydrology, California State University, Fullerton. He grew up in north-western India and in East Africa and studied for his Bachelor's and Master's Degrees at the University of London, England and for his Ph.D. at the University of Minnesota. He taught several courses in geology, hydrology and environmental sciences at CalState Fullerton, between 1972 and 2004, and has worked on research projects in Southern California, East Africa and in India.



Northwestern India and Pakistan with major archeological sites of the Indus Valley Civilization that flourished along the river valleys between 5500 and 3900 BP. The civilization collapsed in response to droughts and natural changes in river courses.

## 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)

### SME—SoCal Section Meeting



Dinah Shumway, Principal Geologist of Terramins, Inc., will be giving a talk on "Geology and Chemistry of Cement". The meeting will be on **Tuesday, December 8, 2009**. For more info., visit [www.smenet.org/](http://www.smenet.org/)

### 2009 GSA Cordilleran Section and Pacific Section AAPG Joint Annual Meeting



The cordilleran section of the GSA and the Pacific Section of the AAPG will be holding their Joint Annual Meeting on **May 27-29, 2010** at the Anaheim Marriott in Anaheim, CA. For more info., visit [www.geosociety.org/](http://www.geosociety.org/)

### South Coast Geological Society Meeting



The South Coast Geological Society will be holding their annual poster session at the December meeting. The meeting will be on **Monday, December 7, 2009** at the Doubletree Club Hotel in Santa Ana, CA. For more info, visit [www.aegsc.org](http://www.aegsc.org)

### LA Basin Geological Society Meeting



The AAPG Distinguished Lecturer, Bruce Hart of ConocoPhillips-Houston, TX, is scheduled to give a talk on "Reservoir Scale Seismic Stratigraphy: A Call to Integration". The meeting will be on **Thursday, January 28, 2010** at The Grand at Willow Street Conference Center in Long Beach, CA. For more info, visit [www.labgs.org](http://www.labgs.org)

## IGS Meeting Schedule

### **December 2, 2009 (Wednesday)**

Dr. Prem Saint, CSU Fullerton, retired  
*Paleohydrology of the 5000-year old Indus Valley Archeological Sites in the North-West Indian Subcontinent*

### **January 7, 2010 (Thursday)**

Baird King, Student at UCR  
*A Record of Climate Change in the Rock Creek Drainage of the Eastern Sierra Nevada, CA*

### **February 3, 2010 (Wednesday)**

Shelby Barker, Student at CSU Fullerton  
*An Investigation of the Potential Surficial Recharge in Lucerne Valley Groundwater Basin, Western Mojave Desert, California*

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

Meredith Staley, LSA Associates, Inc.  
TBA

### **April 8, 2010 (Wednesday)**

Eldon Gath, Earth Consultants International  
*The Santa Ana Mountains: Indenter-Driven Seismotectonics of the OC*

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

TBA

### **June 3, 2010 (Wednesday)**

TBA



**IGS MEETING LOCATION:**

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

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