

# Inland Geological Society

November 2012

Newsletter of the Inland Geological Society

Volume 28 No. 11

**This Meeting:**  
**Wednesday,**  
**November 7<sup>th</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. 3)**

**Coming to**  
**Dinner?**  
**Please RSVP:**  
**By Friday 11/2**  
**(951) 784-2168**  
**dixie.lass@att.net**

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## **November Speaker:**

**Mr. David K. Lynch, PhD**  
**United States Geological Survey, Pasadena, CA**

## **Color and Light in Nature**

### *Abstracts*

What is a rainbow? How many are there? Why is the sky blue? Why is the setting sun red and flattened? What is a mirage? Why are there rays or spokes coming from the setting sun? What is the green flash? Can it be photographed? Why does the moon look so big on the horizon? Why do stars twinkle? What is an aurora borealis? Is it really darkest before dawn? Why are wet spots dark? What is that ring around the Sun? Why can water appear so many different colors? These and dozens of other questions about naturally occurring optical effects are explained with pictures and diagrams, along with tips on how to see and photograph them.

## **Biography:**

David Knight Lynch received a B.S. in Astrophysics in 1969 from Indiana University and a Ph.D. in Astronomy in 1975 from the University of Texas in Austin. He specializes in infrared spectroscopy of comets, novae, supernovae, young stars and very old stars. Dave also works in the field of optics in nature (rainbows, mirages, etc.) and geologic mapping. Dave has held research positions at the University of Texas, Sacramento Peak Observatory, Caltech, UC/Berkeley, Hughes Research Laboratories and The Aerospace Corporation. He has published over 160 scientific papers and 10 books. He has organized 12 international scientific meetings. He is currently with the United States Geological Survey (USGS) in Pasadena, where he studies the [San Andreas Fault](#).

## Upcoming Meetings/Events

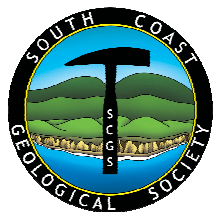
### Rock & Gem Shows—Various locations

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 Assoc. of CA

Mr. Matthew Landon, from the USGS-San Diego, will be presenting at the Southern California Branch meeting. He will be discussing "Relative Contribution of Geogenic and Anthropogenic Sources of Benzene in Aquifers Used for Public Supply, California" on **Monday, October 29, 2012** at the Doubletree Club Hotel in Santa Ana, CA. For more info, visit [www.grac.org/](http://www.grac.org/)

### South Coast Geological Society Meeting



Students, professors and industry professionals will be presenting their work at the poster session on **Monday, November 12, 2012** at the DoubleTree Club Hotel in Santa Ana, CA. For more

info., visit [www.southcoastgeo.org](http://www.southcoastgeo.org)

### San Diego Assoc. of Geologists Meeting



Dr. Tara C. Hutchinson of the UCSD, Department of Structural Engineering, will be presenting at the SDAG and EERI will be holding a joint meeting on **Wednesday, November 14, 2012**. For more info, visit

[www.sandiegogeologists.org](http://www.sandiegogeologists.org)

### San Diego Assoc. of Geologists Meeting

Dr. Tom Demere, Curator of Paleontology at the San Diego Natural History Museum, will be presenting at San Diego Association of Geologists December meeting on **Wednesday, December 19, 2012**. For more info, visit [www.sandiegogeologists.org](http://www.sandiegogeologists.org)

## IGS Meeting Schedule

### **November 7, 2012 (Wednesday)**

Dr. David Lynch, USGS, Pasadena  
*Color and Light of Nature*

### **December 5, 2012 (Wednesday)**

Jennifer Kurashige, Graduate Student  
*TBA*

### **January 10, 2013 (Thursday)**

2012 McEllhiney Lecturer  
*Life-Cycle Economic Analysis*

### **February 6, 2013 (Wednesday)**

*TBA*

### **March 7, 2013 (Thursday)**

*TBA*

### **April 3, 2013 (Wednesday)**

*TBA*

## SPEAKERS WANTED

We are still looking for more speakers for future meetings.

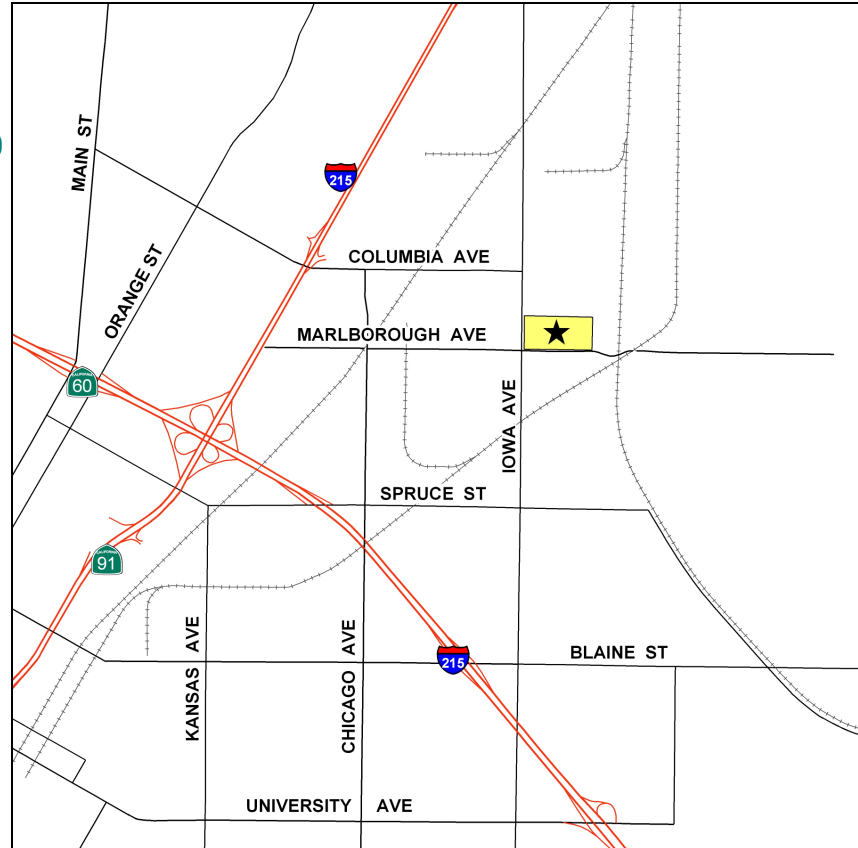
Tell us what you have been working on!

Students of all levels are encouraged to participate!

Contact Jon Smith, Debbie Kunath or Steve Mains to get your name in the schedule!

**IGS MEETING LOCATION:**

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

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