

# Inland Geological Society

May 2008

Newsletter of the Inland Geological Society

Volume 24 No. 5

**This Meeting:**

**Thursday,  
May 1st**

**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 Tuesday 4/29**

**(951) 782-3295**

**dlass@**

**waterboards.ca.gov**

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**May Speaker:**

**David Lynch, Ph.D.**

Thule Scientific

Thule Scientific



## **Field Guide to the San Andreas Fault: How to see and touch the world's most famous fault**

Abstract

The San Andreas Fault is the most accessible plate boundary in the world. Yet few people outside the geology/geography community know where it is or how to see it. In this talk I will discuss the fault and its meaning, display its location, present pictures of fault-related landforms and outline a number of driving trips along the fault. Four-wheel drive is not needed and specific fault features are identified using GPS coordinates. Particular emphasis will be on seeing the fault in the desert regions of southern California.

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## **Biography:**

*David K. Lynch (PhD Astronomy) is an infrared astronomer and remote sensing specialist at the Aerospace Corporation. His major fields of research include the infrared spectroscopy, galactic physics, atmospheric optics and image analysis. He has published over 150 scientific papers and 10 books. Dave also does geological research and has been a consultant for the USGS. His latest book is "Field Guide to the San Andreas Fault."*



### **Line of Macomber Palms**

Photograph provided and copyrighted by David Lynch, Thule Scientific

Shown in the panorama above are the Macomber Palms, one of about two dozen groves and relatively lush areas of desert flora. The oases are elongated along the fault and represent one kind of so-called "vegetation lineaments," common clues to the location of a major fault in a desert. Photo taken in March of 2004.



### **San Andreas Fault in the Salton Trough**

Photograph provided and copyright by [David Lynch](#), Thule Scientific

Near the southern end of the San Andreas Fault in Imperial County, California, several classic features of a transform fault are beautifully revealed. The fault runs diagonally across this GoogleMap picture from upper left (northwest) to lower right (southeast). The fault motion carries the Pacific Plate (southwest, lower left) northwest relative to the North American Plate (northeast, upper right). Movement along the fault has juxtaposed one kind of rock to the northeast against a different formation to the southwest. The different colored rocks across the fault trace are obvious.

Website: [www.thulescientific.com](http://www.thulescientific.com)

## **IGS Participation:**

### **RIMS Science and Engineering Fair— April 15, 2008**

This year we had a good turn-out of IGS members to help judge the RIMS Science and Engineering Fair, including Larry Monroe, Thom Deane, Mark Dorschlag, Patrice Copeland and Steve Mains. Although none of the entries was judged by the panel merited a savings bond award, the panel members encouraged all entrants and made appropriate suggests to improve projects for next year.

A big “Thank-You” to these IGS members for their participation in this important event! We look forward to an even better science fair next year.

## **Job Opportunity**

### **Engineering Geologist**

California Regional Water Quality Control Board,  
Lahontan Region, Victorville, CA

Under the direction of a Senior Engineering Geologist, the incumbent performs engineering geology work to include: reviewing technical reports related to hydro-geologic site assessments, groundwater monitoring, corrective actions and interpretation of soil/groundwater cleanup activities; conducts inspections of mines, landfills and other regulated facilities; investigates spills; assists with preparation of enforcement orders; handles complaints; and participates in meetings with government agencies and/or stakeholders.

DESIRABLE QUALIFICATIONS: Effective oral and written communication skills, excellent customer service skills, ability to perform fieldwork, and familiarity with standard computer applications. Education and experience in surface/groundwater investigations; ability to evaluate geological aspects of site investigations and remediation facilities; ability to evaluate groundwater monitoring networks and fate and transport models; knowledge of subsurface investigation procedures; knowledge and evaluation of remediation systems; ability to analyze water quality data in context to water quality objectives.

Salary: \$4,279—7,649

Contact: Rebecca Phillips at 760-241-6583  
[rphillip@waterboards.ca.gov](mailto:rphillip@waterboards.ca.gov)

## **IGS Meeting Schedule**

### **June 4, 2008 (Wednesday)**

TBA

### **July 10, 2008 (Thursday)**

George Copenhaver, Geocon  
Geology of the San Diego & Arizona Eastern  
Railway, San Diego & Imperial Counties,  
California, USA & Baja California, Mexico

### **August 6, 2008 (Wednesday)**

TBA

### **September 4, 2008 (Thursday)**

TBA

### **October 1, 2008 (Wednesday)**

TBA

### **November 6, 2008 (Thursday)**

TBA

### **December 3, 2008 (Wednesday)**

TBA

## **Events/Calendar Input Needed**

The IGS newsletter needs your input/submittals for our events/calendar column. Please submit your event and/or calendar information to Patrice Copeland, 760-241-7404, or email [pcopeland@waterboards.ca.gov](mailto:pcopeland@waterboards.ca.gov).

**IGS MEETING LOCATION:**

**LSA Associates, Inc.  
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Riverside, CA 92507**

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