

# Inland Geological Society

Newsletter of the Inland Geological Society

Volume 23 No. 2

## This Meeting:

Wednesday  
February 7<sup>th</sup>

### Time:

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

### NEW Location:

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

### Coming to Dinner?

Please RSVP:  
By Monday 2/5  
(951) 782-3295  
[food@inlandgeo.org](mailto:food@inlandgeo.org)  
or  
[dlass@waterboards.ca.gov](mailto:dlass@waterboards.ca.gov)

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### February Speaker:

Dr. Gary Peterson



SAN DIEGO STATE  
UNIVERSITY  
College of Sciences

## Evolution of Granitic Landscapes

The granitic rocks of California are mostly Cretaceous in age and were emplaced during a major episode of subduction. Since then, uplifts have brought these deep-seated rocks to the surface where they dominate much of the California landscape. At the surface, these rocks undergo a combination of weathering and pressure-relief jointing. In some areas, sub-horizontal exfoliation joints prevail. In other areas, sets of vertical joints, in combination with sub-horizontal joints, break the rocks into a variety of geometric forms. Further weathering transforms the broken rocks into spheroidal boulders of various sizes. The combined process of weathering and pressure-relief expansion jointing goes back to at least Early Cenozoic and continues at the present.

*Landscapes Continued on Page 2*

## Landscapes (Continued from Pg. 1)

*Gary L. Peterson has been a Professor of Geology at San Diego State University since 1963. He received his B.A. (Geology) from the University of Colorado, Boulder in 1959, M.S. (Geology) from the University of Washington, Seattle in 1961, and Ph.D. (Geology) from the University of Washington, Seattle in 1963. His research interests include stratigraphy, sedimentology, paleoclimatology, and planetary geology. He is a member of the Planetary Society and a Fellow of the Geological Society of America.*

Website: [www-rohan.sdsu.edu/~3gleep6/planetets.html](http://www-rohan.sdsu.edu/~3gleep6/planetets.html)

Email: [planetology@geology.sdsu.edu](mailto:planetology@geology.sdsu.edu).



## Upcoming IGS Talks

### **Mar. 8, 2007 (Thursday)**

TBA/Unscheduled (need suggestions)

### **Apr. 4, 2007 (Wednesday)**

TBA/Unscheduled (need suggestions)

### **May 15, 2007 (Wednesday)**

Joint meeting sponsored by IGS, SME, AEG and CSU San Bernardino Geology Dept. at CSUSB. Two programs:

- Brian Fortelka, CA Portland Cement, 125 yrs of mining at Colton Portland Cement; and,
- CSUSB Underground Mine Mapping Class, Australia - Video

## **Inland Geological Society Seeks Speaker Topics and Speakers**

Informative and interesting talk topics and speakers on subjects in the earth sciences have always been a highlight and purpose of regular monthly meetings of the Inland Geological Society for over 20 years. Local and regional topics and speaker programs are essential for a group that meets monthly, for the most part that is comprised of local or regional residents or employees, professional or interested parties alike.

Currently, IGS is seeking suggestions for future talk topics and suggestions for potential speakers. Your suggestions and ideas are very important, so that we can cover a cross-section of subjects and interests

IGS is soliciting your suggestions for topics for throughout the year and suggested speakers, as follows:

- |                                    |                                       |
|------------------------------------|---------------------------------------|
| - Request a Topic                  | - Suggest Speaker contact information |
| - Suggest the reason for the Topic | - Suggest Other Topics/Speakers       |
| - Suggest a Speaker                | - Other requests                      |

Please forward your ideas and suggestions to [Thomas Deane](#) or [Phuong Chau](#).

## Other Announcements

### **Meeting:**

AEG, Inland Empire  
Feb 21, Wed. • Temecula, CA  
[Dr. Brady Rhodes, CSU Fullerton](#)  
'The search for paleo-tsunami deposits in southern Thailand'

### **Meeting:**

AAPG Annual Convention and Exhibition  
April 1-4, 2007 • Long Beach, CA  
[Understanding Earth Systems](#)  
<http://www.aapg.org/longbeach/>

### **Meeting:**

20th Anniversary SAGEEP  
Symposium on the Application of Geophysics  
to Environmental & Engineering Problems  
April 1-5, Marriott City Center, Denver, CO  
<http://www.eegs.org/sageep/index.html>

### **Meeting:**

American Institute of Hydrology (AIH)  
Integrated Watershed Management:  
Partnerships in Science, Management, and  
Planning, April 22-25, Reno, NV  
<http://www.aihydro.org/conference.htm>

### **Meeting:**

AEG 1st North American Landslide  
Conference  
June 3-8, Vail Marriott, Vail, CO  
<http://www.mines.edu/academic/geology/landslidevail2007/>



## **Winter Short Course:**

### **Groundwater and Related Topics**

*Sponsored by IGS & AEG Inland Empire*

March 10, 2007, Saturday  
UC Riverside Extension  
\$70 IGS/AEG Members  
\$75 Non-Members  
\$15 Students

### Speakers and tentative titles:

- Jim Finegan (GeoSyntech) 'Numerical groundwater flow and contaminant transport modeling'
- John Izbicki (USGS) 'Natural and artificial recharge in the western Mojave Desert'
- Gerard Thibeault (Santa Ana RWQCB) 'Perchlorate issues in the Santa Ana River watershed'
- Dennis Williams (Geoscience Support Services) 'Well siting and design'
- Andy Malone (Wildermuth Environmental) 'Computation of groundwater quality objectives for the basin plan update (Santa Ana Region)'
- Wes Danskin (USGS) 'Groundwater issues in the Bunker Hill basin'

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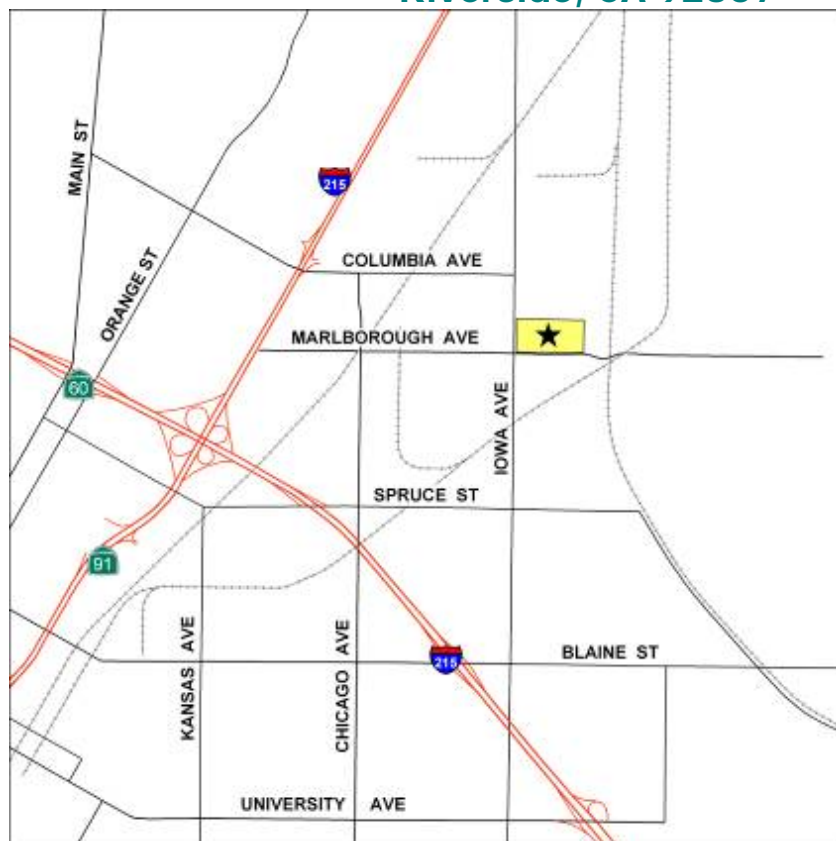
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