

Inland Geological Society

January 2009

Newsletter of the Inland Geological Society

Volume 25 No. 1

This Meeting:

**Thursday,
January 8th**

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 Monday 1/5
(951) 782-3295
dlass@
waterboards.ca.gov**

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January Speaker:

Jeff Fitzsimmons
John R. Byerly, Incorporated



John R. Byerly
INCORPORATED

Lower San Bernardino Valley Seismic Trend

Abstract

Hadley and Combs in 1974, suggested the presence of a fault, east of, and sub parallel to, the San Jacinto fault based upon their micro seismicity study. Fife et al. in 1976, mapped a portion of this seismic trend approximately 7.0 kilometers long based upon alluvial floor disturbances they observed in aerial photographs, also east of and sub-parallel to, the San Jacinto fault. For the purpose of this project, a field reconnaissance was performed during which grade breaks in slope were noted at several locations, coincident with the seismic trend. Aerial photographs and topographical maps that were examined suggest that apparent right-lateral offset on the order of 165 meters is present at one location in the vicinity of the seismic trend in the city of San Bernardino. Interpretation of the United States Geological Survey's San Bernardino South 7.5-minute quadrangle dated 1955 supports this assessment. Additionally, reported geothermal well locations and the presence of a geothermal plume appear to be coincident with the mapped seismic trend. The features are present across the surface of the valley floor, which is mapped as alluvial deposits ranging in age from Late Pleistocene to Early Holocene by Carson et al. in 1986 and Matti and Carson, in 1991.

Biography:

Jeff Fitzsimmons began his geotechnical career in 1988 with Triad Geotechnical

Consultants. After 8 years with Triad Geotechnical Consultants, he worked at The RMA Group for 4 years before settling in with John R. Bylerly, Incorporated. During the 12 years prior and the 8+ years with John R. Bylerly, Incorporated, his job titles have included soils technician, field engineer, field geologist, staff engineer, staff geologist, and senior staff geologist.

Prior to his career in the geotechnical field, Mr. Fitzsimmons served in the United States Army (1985-1988) and the United States Army Reserve (1988-1992), which includes receiving a diploma as Combat Medical Specialist (91A10) in 1985 from the United States Army Academy of Health Sciences in San Antonio, Texas.

In addition to serving our country and establishing a career in the geotechnical industry, Mr. Fitzsimmons also spent his personal time furthering his education. He has completed Associate of Science degrees in Natural Sciences and Fire Technology from Citrus Community College (Glendora, CA) in 1984 and Mt. San Antonio Community College (Walnut, CA) in 1991, respectively. In 2008, Mr. Fitzsimmons graduated from California State University, San Bernardino with a Bachelor of Arts degree in Geology.

Tell us about what you have been working on!

Can you believe it is already 2009?! Before the time flies by us (any quicker than it already has), we want to schedule speakers for the latter half of this year!

Tell us 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!

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

Please contact Steve Mains or Greg Johnson and get your name in the schedule!

Upcoming Meetings/Events

Rock & Gem Shows—Various locaitons

Various rock and mineral shows will be throughout southern California. To find one nearest you, visit www.rockngem.com/showdates.asp

AEG—Inland Empire Chapter Meeting



Dr. John Izbicki, U.S. Geological Survey-San Diego, will be giving a talk regarding Groundwater Science at the January meeting. The meeting will be **Wed., Jan. 21, 2009**.

For more information, please visit www.aegsc.org/chapters/inlandempire/

SME—Southern California Section Meeting

L. Alan Weakly, President of Innovative Mining Solutions in Story, WY, will be giving a talk on *Renewables: An Inconvenient Energy Reality*. The meeting will be **Tues., Feb. 17, 2009**.

For more information, visit www.sme.net

REG Review—ASBOG® Review Course

The ASBOG® spring exams are approaching quickly. If you are planning on taking the Fundamentals of Geology (FG) exam and/or the Professional Geologist (PG) exam, you may want to consider taking a review course. REG Review will be offering a review course to help prepare for the exam(s). Review for the California Specific Exam will be available the last hour of the course as well. Registration is now available. The course will be on **Jan. 18, 2009** in Santa Ana, CA from 8 am—5 pm. For more information, please visit <http://regreview.com>

IGS Meeting Schedule

February 4, 2009 (Wednesday)

Dr. Matthew Kirby, CSU, Fullerton
Paleoclimate of Southern California

March 5, 2009 (Thursday)

Kent McMillan, Geo-Logic Associates
Faulting in the Imperial Valley (tentative)

April 1, 2009 (Wednesday)

Dr. Kim Bishop, CSU, Los Angeles
1872 Owens Valley earthquake and fault rupture

May 7, 2009 (Thursday)

Bob Reynolds, LSA Associates, Inc.
Stratigraphic Relationships in the Lower Barstow Formation

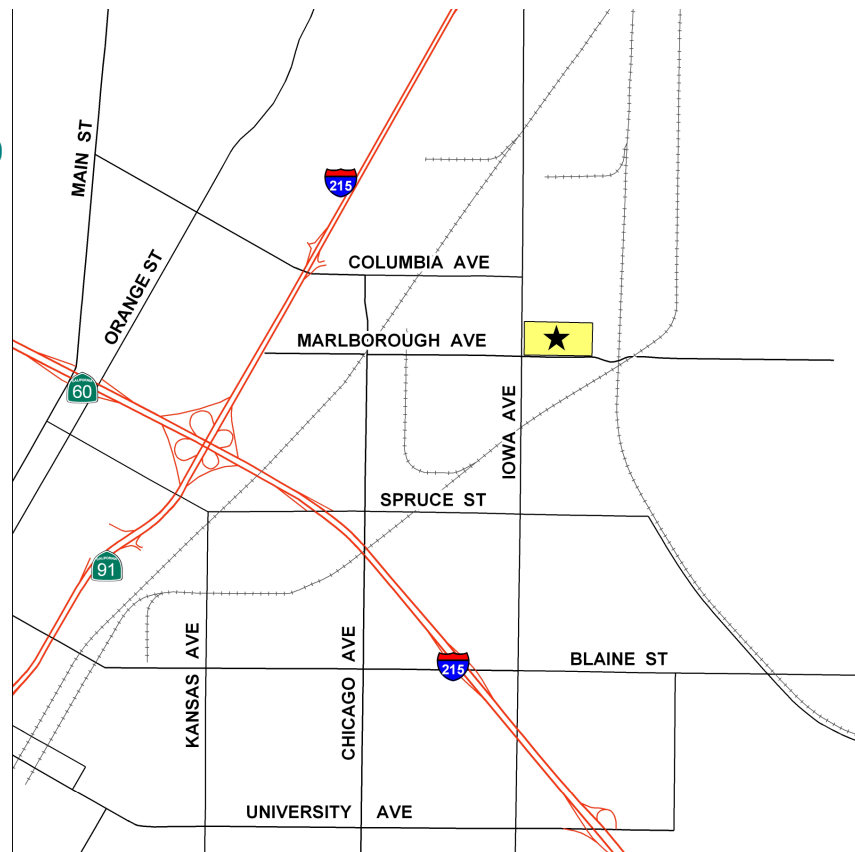
June 3, 2009 (Wednesday)

TBA

Happy New Year!!!

IGS MEETING LOCATION:

LSA Associates, Inc.
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Riverside, CA 92507

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