

Inland Geological Society

November 2009

Newsletter of the Inland Geological Society

Volume 25 No. 11

This Meeting:

Thursday,
November 5th

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 10/30
(951) 782-3295
dlass@
waterboards.ca.gov

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November Speaker:

Dr. W. Richard Laton, PhD, PG, CPG
Associate Professor of Hydrogeology, CSU Fullerton, CA



**2009 NGWREF McElhiney Lecture:
Boring Logs—What’s Important and What’s Not:
A Scientific Viewpoint**

Abstract

Fundamental to any drilling contractor's business, there are many uses for boring/well logs including specifying location, ground water levels, chemistry, and production capabilities—information used routinely by government and regulatory agencies, consultants, and academics. Beyond these usual uses, however, boring/well log information may be used for hydrostratigraphic interpretation, ground water modeling, subsurface investigations, and general background information. In fact, through careful logging and data collection, both contractors and scientists can work together to develop better subsurface models that will help everyone in the industry.

Key to this sharing of information industrywide is the interpreting of well logs, which is made difficult by the simple fact that soil classification is not always uniform. While most people in the industry know how to use a Munsell chart for color, opinions differ on coarseness—gravel vs. silt vs. fine sand and the like. Further complicating matters is the variety of drilling methods employed throughout the

country. Laton's lecture provides a refresher on proper classification techniques, emphasizing the use of standardized classification.

In addition, Laton will discuss the widespread use of handheld GPS devices and the value of Google Earth for basic mapping of locations, which can help even the smallest contractor's business, not to mention that obtaining accurate location information—and its mapping—allows for a better understanding of the local and regional geology.

Biography:



Dr. W. Richard Laton is an expert in the field of hydrogeology with experience in teaching, consulting and management. Dr. Laton possesses extensive knowledge in the areas of hydrogeology, soil and water contamination, hydrology and surface water, wetlands, coastal monitoring/geomorphology, field sampling techniques and well hydraulics as well as environmental remote sensing/GIS. Since 2000, he has been teaching in the Department of Geological Sciences, California State University, Fullerton and is currently an Associate Professor of Hydrogeology. Furthermore, he is a Senior Consultant with Earth Consultants International and a Partner (Owner Operator) of Environmental Science & Planning, LLC. Dr. Laton has also acted as a consultant for a variety of companies and agencies that need input on the above subjects as well as natural hazard assessment and mapping. He received a Bachelor of Arts in Earth Science (Oceanography) from Saint Cloud State University (1989). Following his undergraduate studies, he attended Western Michigan University where he received a Master of Science in Environmental Science (Coastal Geomorphology) (1992) and Ph.D. in Geology with an emphasis in Hydrogeology (1997).

We Still Need Speakers!

We are still looking for more speakers for future meetings.

Tell us what you have been working on!

**Are you a recent graduate? Here's your opportunity to shine!
Tell us about your senior project or thesis project.**

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

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

SME—SoCal Section Meeting (November)



Dr. Gregg Wilkerson, Senior Mining Geologist, US Bureau of Land Management-Bakersfield field office, will be giving a talk on "The Geology of Owens Valley". The meeting will be on **Tuesday, November 17, 2009**. For more info, visit www.smenet.org/southerncalifornia

Petroleum Hydrocarbons Conference



The NGWA will be leading a conference on "Petroleum Hydrocarbons and Organic Chemicals in Ground Water: Prevention, Detection, and Remediation®". The conference on **November 2-3, 2009** at the Costa Mesa Hilton in Costa Mesa, CA. For more info, visit www.ngwa.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 information, visit www.geosociety.org

AEG—Inland Empire Section Meeting



Stephen Testa, Executive Officer for the State Mining & Geology Board, will be giving a talk on "We Don't Need No Stinking Badges: The Relevancy of Professional Geology Registration in Today's Regulatory Climate" and "Status Update on the Board of Registration for Geology and Geophysicists". The meeting will be on **Wednesday, November 18, 2009** in Murrieta, CA. For more info, visit www.aegsc.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)

TBA

May 6, 2010 (Thursday)

TBA

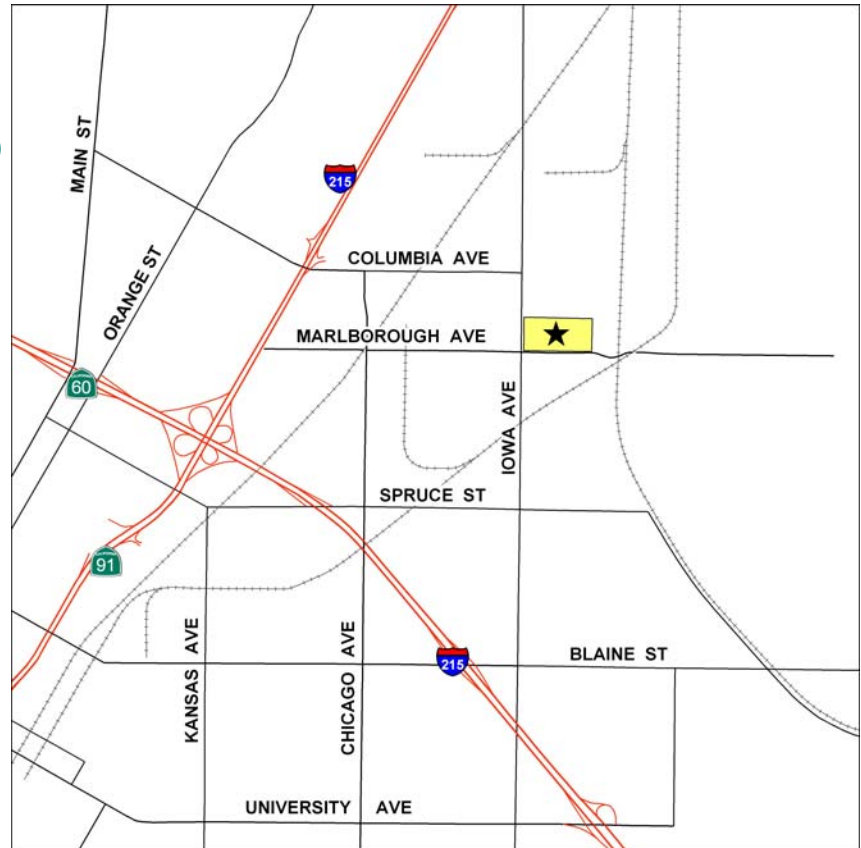
June 3, 2010 (Wednesday)

TBA



IGS MEETING LOCATION:

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

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