



# ASSOCIATION OF ENGINEERING GEOLOGISTS

SOUTHERN CALIFORNIA SECTION

"Serving Professionals in Engineering, Environmental and Ground-Water Geology Since 1957"

JULY 1996

## THIS MONTH'S MEETING

July 18, 1996

### Design, Geology and Exploration of the Inland Feeder Project

*presented by*

James Gallanes and Richard Escandon

Reservations must be made by noon Tuesday, July 16!  
Call GeoSoils at (818) 785-2158

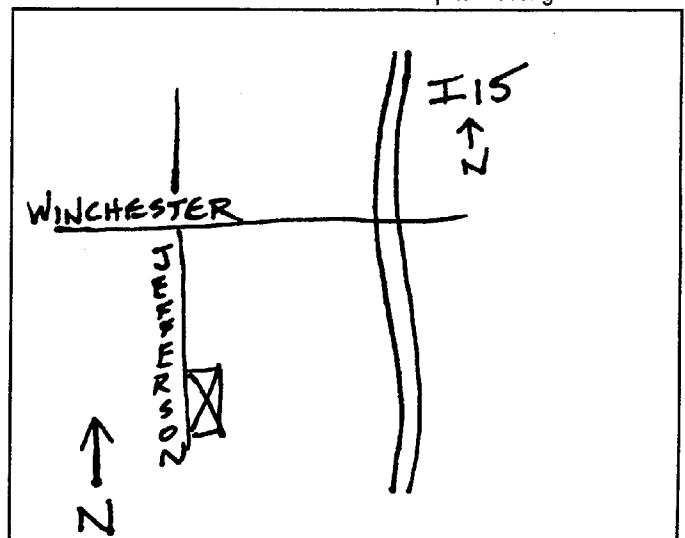
**Social Hour:** 6:00 pm  
**Dinner:** 7:00 pm - Prime Rib or Swordfish  
**Speaker:** 8:00 pm

#### Location:

**The Hungry Hunter**  
27000 Jefferson Ave.  
Temecula

**Cost: \$25.00**  
(\$10.00 for full-time students  
with valid I.D.)

Map to Meeting



#### OFFICERS

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**Deadline for submittals to  
the August newsletter:  
July 21**

# JULY PROGRAM

## DESIGN, GEOLOGY AND EXPLORATION OF THE INLAND FEEDER PROJECT RIVERSIDE AND SAN BERNARDINO COUNTIES, CALIFORNIA

**Mr. Jim Gallanes, Principal Engineer and Project Manager**

**Mr. Richard Escandon, Engineering Geologist**

*Metropolitan Water District of Southern California  
2020 E. First Street, Suite 400, Santa Ana, CA 92705*

Metropolitan Water District is nearing completion of the design phase for the Inland Feeder Project, a vital water link planned for Southern California. The project involves nearly 45 miles of large diameter tunnels and pipelines beginning at the Devil Canyon Power Plant in San Bernardino, and terminating at the Colorado River Aqueduct near the community of San Jacinto, Riverside County, California. The project will more than double the water delivery capacity of the east branch of the State Water Project as well as serve as an important source of water for MWD reservoirs including the future Eastside Reservoir which is currently under construction in southeast Riverside County.

Along its route the alignment crosses several active and potentially active faults including the San Andreas and San Jacinto fault zones, hot springs associated with geothermal activity, and a wide variety of soil and rock types ranging from deep alluvium within valleys to sandstone bedrock to the San Timoteo Badlands to hard igneous and metamorphic rocks of the San Bernardino Mountains. The complex and varied geologic conditions along the alignment have required extensive geologic and geotechnical investigations to characterize site conditions and aid in planning and design.

The first half of the presentation will provide an overview of the entire project as well as discuss some of the planning, design and construction issues associated with the project. The second half will focus on the geology



and exploration of the San Bernardino Mountains segment of the project which will involve approximately 10 miles of tunnels and pipeline.

Mr. Jim Gallanes is a Principal Engineer for the Metropolitan Water District of Southern California. Since 1993, Jim has been assigned as Project Manager of the multimillion dollar Inland Feeder Project. Jim is responsible for managing the design functions, right-of-way acquisition, and implementing the future construction activities of this water distribution system, spanning two counties. Jim received his Bachelor of Science Degree in Civil Engineering from California State University, Los Angeles. Jim is a registered Professional Engineer in the States of California and Nevada.

Mr. Richard Escandon joined Metropolitan Water District in 1994 and has been involved with the Inland Feeder project since coming to the District. Richard has worked on other projects in Southern California including the Metro Rail and NORS tunnel projects in Los Angeles, and is currently involved with several other underground design projects for the District. Richard is a registered geologist and certified engineering geologist in California and received his B.S. degree from UCLA. Prior to coming to the District, Richard worked for several Southern California geotechnical consulting firms including Converse Consultants, Law/Crandall and Associates, Robertson Geotechnical, and Kovacs-Byers and Associates. ϕ

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## CHAIRMAN'S COLUMN

by Joe Cota

The Department of Consumer Affairs (DCA) continues to try to change the geology practice act to a title act. Last month they succeeded in convincing the Board of Registration for Geologists and Geophysicists (BRGG) to actually support the DCA's plan to amend Ayala's SB 2031 to change the current practice act to a title act. SB 2031, if passed, would extend the BRGG from being "sunsetting" in 1997 to the year 2001. The bill, thus far, has passed in a subcommittee of the Business and Professions Committee dealing with fiscal bills on April 10 and again by the full committee on April 22, all without the DCA's proposed changes of the bill. The bill was scheduled to be voted on by the Legislature on June 25, but has been delayed. The proposed revisions to the "Geology Practice Act" would be amendments to Business and Professions Code Section 7801 to 7887. All reference to "Registered Geologist" would be changed to "certified geologist". Some of the proposed changes are as follows:

Section 7830 would still make it "unlawful for anyone other than a geologist certified under this chapter to stamp or seal any plans, specifications, plants, reports, or other documents with the seal or stamp of a certified specialty geologist unless certified under this chapter.

Section 7832 would be repealed. It currently states, "Any person, except as in this chapter specifically exempted, who shall practice or offer to practice geology or geophysics for others in this state is subject to the provisions of this chapter.

Section 7835 would be amended to read, "All geologic plans, specifications, reports, or documents shall be prepared by a certified geologist, or certified specialty geologist, or by a subordinate employee under his or her direction. In addition, they shall be signed by such certified geologist, or certified specialty geologist or stamped with his or her seal, either of which shall indicate his or her responsibility for them.

Section 7872 would be largely deleted and some changes made so that the board would have no authority to pursue unlicensed practice of geology.

The entire texts of SB 2031 and the Geology Act (Business and Professions Code, Chapter 12.5, Section 7801 through 7887) can be found on the web at <http://www.leginfo.ca.gov/>.

AEG members **Buzz Spellman** (past BRGG President) and **John Wolfe** (past BRGG Executive Officer) strongly oppose these proposed Geology Act changes. I tend to listen to what these two say about this issue because they each have over 20 years of experience as past members of BRGG. John Wolfe stated in a recent letter, "I have heard that most people think the Act remains a practice act by not repealing item 18, 19, 23, and 24 (sections 7839, 7830.1, 7835 and 7835.1) which were listed in the June 14th proposed amendments. I[John Wolfe] disagree ...Sections 7832 and 7872(a)&(f) in current law protect the 'practice' of geology and geophysics in California...Granted many of the above sections state: 'it is unlawful for anyone other than a geologist registered under this chapter to stamp or seal plans...' or 'all geologic plans, specifications, shall be prepared by a registered geologist...' but how will the board enforce this prohibition without Section 7872(a)? the board must have specific authority in the law to pursue and punish unlicensed practice. Sections 7830 or 7835 do not provide that authority to initiate investigations of unlicensed practice...The board does retain the authority to discipline licenses, because Section 7860, for all practical purposes, has not been amended."

The DCA could not find a single senator or assembly member to carry their proposed changes in any bill. So, on June 14, 1996 at a BRGG meeting in San Diego, the DCA presented the proposed changes and threatened that if the BRGG did not accept and support these changes, if SB 2031 passes legislature, the governor would not sign the bill, or veto it. If this happened, the BRGG would be sunsetted next year, and the Geology Act would be administered as a DCA bureau, but would remain a practice act, at least for the time being. Frightened, the BRGG voted and approved the proposed DCA changes. With such seemingly overwhelming support for SB2031, and the failure of the DCA to find anyone else carry their nonsense revisions, do you really think that the governor would veto the bill: Some people do.

Apparently, the DCA's office, backed by the northern California AEG sections, AEG's lobbyist, and the BRGG, at some point last month attempted to convince Senator Ayala to accept the DCA's proposed changes and attach them to SB2031, *provided that the changes remain bundled with the amendments affecting the accountants*

and court reporters, but the senator refused to do so. **Judy Wolen** has informed me via memo, that the DCA went to the Governors office on June 25 and were told if SB 2031 is not amended, it would be vetoed. The bill was scheduled to be heard by the assembly committee on June 25, but because of all the commotion, and many people changing their stand on this issue, the hearing was delayed until July 2.

I have personally contacted 8 out of the 9 assembly members on the Assembly Committee of Consumer Protection to let them know that AEG supports SB2031 *as is with no amendments to change from a practice act to a title act*. I got the general impression that the various assembly offices already understand the issues and support the BRGG and SB2031. In fact, Assemblyman **Mike Machado** said that unless he hears some additional testimony on July 2 that changes things,

he will support the bill. An assistant at Assemblywoman **Susan Davis'** office mentioned that the BRGG is self-supporting, acknowledged that a hillside home could present a consumers life savings, and her office tends to support SB 2031. If SB 2031 passes the Assembly Committee of Consumer Protection, which it should, it still has a long way to go to become law.

AEG members should stand firm on this issue, insist on no changes to a title act, and when the bill comes close to becoming law, we will need to convince the governor to not veto it. I'll let you know when its time to start writing letters to the governor, but now its a bit early as he could still change his mind.

As always, your comments, suggestions, and participation are encouraged. Please take a moment to fill out the enclosed ballot for 1996-1997 AGE section officers. See you at the Hungry Hunter!      φ

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### FIELD TRIP ANNOUNCEMENT

**Who:** Southern California Earthquake Center

**What:** The Whittier - Elsinore and Newport Inglewood Fault Zones Field Trip

**When:** Friday, July 19, 1996

**Where:** Cal State University Dominguez Hills

**Why:** Mention June 18, 1996 letter for \$70 discount

**Contact:** SCEC Knowledge Transfer Office to Register 213/ 740-1560

earthquakes every 1,500 to 2,000 years, and is now possibly due for another such quake. There will be at least two stops for the Newport-Inglewood fault, including Signal Hill and the Huntington mesa, featuring a review of sobering but utterly fascinating, recently-unearthed data. In addition to the latest information on the faults, the science of paleoseismology and recent trenching in these fault zones will be presented. Meals and transportation will be provided for attendees. A splendid, though unsettling time, is guaranteed.

**Contact the SCEC Knowledge Transfer Office,  
213/740-1560  
for more information-- or fax this form today!**

**About the Trip - These faults are two of the most hazardous in the Los Angeles region, due to location. In the last century, the Newport-Inglewood fault alone has been the cause for more deaths due to earthquakes in Southern California than any other fault. Leading experts on late Quaternary fault activity in Southern California Faults will be leading the group. The field trip will feature a number of stops along the Whittier-Northern Elsinore fault including a careful look at (landowners' permitting) offset stream channels and road cut fault exposures. The Whittier fault is currently thought to produce Magnitude 7+**

ASSOCIATION OF ENGINEERING GEOLOGIST  
SOUTHERN CALIFORNIA SECTION

BALLOT  
FOR  
ELECTION OF OFFICERS  
1996 - 1997

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Write-In

Vice Chairperson: Thomas Slosson

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Write-In

Treasurer: Mark Swiatek

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Secretary: Charles Nestle

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Write-In

Voting Members please return this preaddressed ballot to Robert Larson at your earliest convenience.

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5.00	Association of Engineering Geologists 35th Annual Meeting - Proceedings, October 2-9, 1992, Los Angeles, California		
20.00	Perspectives in Paleoseismology, Special Publication No. 6		
5.00	National Colloquium on Professional Registration for Geologists, Association of Engineering Geologists 33rd Annual Meeting, October 1-5, 1990,		
5.00	National Symposium on Mine Subsidence - Prediction and Control, Association of Engineering Geologists 33rd Annual Meeting, October 2-3, 1990, Pittsburgh, Pennsylvania		
15.00	A Guide to Services as a Forensic Expert and Expert Witness, 1995		
12.00	Professional Licensure of Geologist, An Exploration of Issues		
5.00	Earthquake Geology: San Andreas Fault System, Palm Springs to Palmdale, Guidebook and Reprint Volume, Association of Engineering Geologists 35th Annual Meeting, October 2-9, 1992, by Sieh, K.E. & Matti, J.C.		
25.00	Engineering Geology Field Trips: Orange County, Santa Monica Mountains, and Malibu, Guidebook and Volume, Association of Engineering Geologists 35th Annual Meeting October 2-9, 1992		
25.00	Ground Failure During the January 17, 1994 Northridge Earthquakes, Field Trip Guidebook, November 11, 1995		
33.00	Engineering Geology Along the Simi-Santa Rosa Fault System and Adjacent Areas, Simi Valley to Camarillo, Ventura County, California, Field Trip Guidebook, Volumes I & II, August 24, 1991		
25.00	Geology and Engineering Geology of the Western Soledad Basin, Los Angeles County, California, Field Trip Guidebook, November 3, 1990		
10.00	Loma Prieta Earthquake; Engineering Geologic Perspectives		
44.00	Mitigation of General Litigation in California, 1992; Leighton, B.F.		
\$40.00*	What's shaking in Southern California & Seismic Hazards Analysis-The Sequel, AEG Short Course, January 20, 1996		
\$25.00	Geologic Maps, Santa Monica Mountains, Los Angeles, California Compiled by the City of Los Angeles, AEG, 1982.		
<b>Total for Publications</b>			

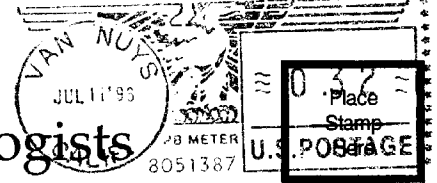
\*Please make your check payable to AEG Southern California Section with Postage charges of \$2.50 for the first publication and \$0.50 for each additional. Send Check and Order Form to:

**AEG Southern California Section, Publications Chairman  
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5251 Verdugo Way, Suite L  
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Attention: Rudy Ruberti**

phone: (805) 388-6162 fax (805) 388-6167



# Association of Engineering Geologists



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