

# Association of Engineering Geologists

## Southern California Section

### NEWSLETTER-March 1991



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1470 S. Valley Vista Dr. #150  
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2550 Beverly Blvd.  
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#### Dinner Meeting *Wednesday March 20th*

Annual Joint Meeting with the American Society of Civil Engineers (ASCE) - Geotechnical Group

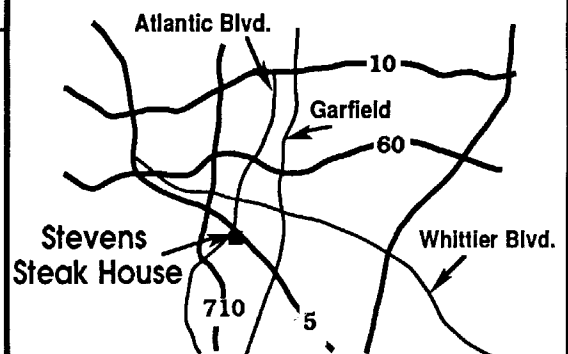
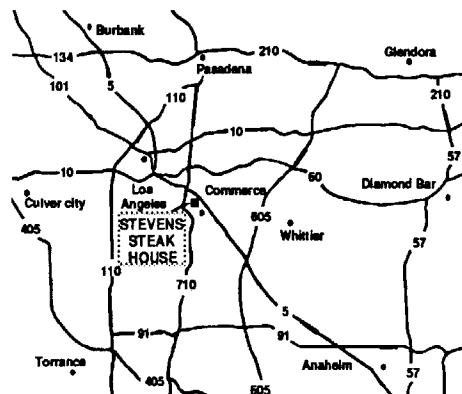
- Stevens Steak House**  
5332 Stevens Place  
City of Commerce
- Cost - \$15.00 (Full-Time Students - Free)**
- Make reservations by Friday March 15!!!**  
Grace (Leighton & Associates) 714-860-7772  
(Leave Your Name & Number of People in Your Party)
- 5:30 Social Hour**
- 6:30 Dinner**
- 7:30 Program**

### *Program*

**TOPIC California's Earthquake Hazard Reduction Program with Emphasis on Pending Legislation and the new State-Wide Geological Hazard Mapping Program**

**SPEAKER L. Thomas Tobin, Executive Director California Seismic Safety Commission**

#### *MAP to Meeting*



First street on the left as you drive south on Atlantic Boulevard past I-5

## PROGRAM

### Topic & Speaker

#### California's Earthquake Hazard Reduction Program with Emphasis on Pending Legislation and the New State-Wide Geological Hazard Mapping Program

**Mr. L. Thomas Tobin**

**Executive Director,  
California Seismic Safety Commission**

An enhanced awareness of earthquake hazards by the public followed the Loma Prieta Earthquake. This prompted the California Legislature to adopt new regulations and programs to diminish these hazards. One of these programs is the new state-wide geologic hazard mapping program, an improvement in the familiar "Alquist-Priolo Maps" - seismic safety zone quadrangle maps. Mr. Tobin will discuss some of the details of this new program at this annual joint meeting of AEG with the American Association of Civil Engineers - Geotechnical Division.

The Seismic Safety Commission is an independent Commission created in 1975 to advise the Governor and Legislature on earthquake safety policy. In this capacity, the Commission establishes goals and priorities in earthquake safety and emergency planning, recommends needed program changes, gathers, analyzes and disseminates information, encourages research and coordinates earthquake safety activities of the private sector and government agencies at all levels.

Mr. Tobin is the Executive Director of the Seismic Safety Commission. He has a BS in civil engineering and a MS in geotechnical engineering from UC Berkeley. Mr. Tobin has been concerned with earthquake response of structures and the siting of industrial facilities for 26 years. He has worked for Pacific Gas and Electric Company, the San Francisco Bay Conservation and Development Commission and the California Coastal Commission, where he served as Manager of the Energy and Coastal Resources Division. He is an active member of the Earthquake Engineering Research Institute and the ASCE.

## FIELD OF EXPERTISE DOCUMENT

The following introduction prepared by the State Board of Registration for Geologists and Geophysicists accompanies the Fields of Expertise document printed in last month's newsletter. If you have any questions or comments regarding the "Fields of Expertise" document, particularly if you feel this document may affect your livelihood, contact Eldon Gath, Hugh Robertson, or the Board of Registration for Geologists and Geophysicists directly (@ 916-445-1920).

"This document was prepared jointly by representatives of the geologic and civil engineering professions to assist the Board of Registration for Professional Engineers and Land Surveyors and the Board for Registration for Geologists and Geophysicists to differentiate between the responsibilities and duties of civil engineers, particularly those who specialize in geotechnical work on the one hand and registered geologists and certified engineering geologists on the other. The purpose of this document is to review the "gray" areas where civil engineering and engineering geology overlap and list activities which are done by each and which can be performed by both. It is noted that these classifications and tables are guidelines for the boards' executive officers and staff when a jurisdictional dispute or complaint is filed with either board. This memorandum is an internal office document which has no legal status and can be used, modified or disregarded depending on the circumstances. This document does not refer to the practice of geophysics. "This memorandum is not intended to be used as a guideline for evaluating applications for registration; to set standards or guidelines for the state, county or city agencies; or to be adopted as an official policy statement by the board."

## LAST MONTH'S MEETING

Last month's meeting in Van Nuys was attended by over 180 people; our largest meeting yet this year. The keynote speaker was Mr. Mel Blevins, Watermaster for the San Fernando Valley area, who spoke about groundwater quality in the various ground water basins of the San Fernando area. In addition, he presented some of the latest data collected as part of the Superfund Program that are now being used to characterize the various aquifers that form the San Fernando Basin. Dr. John Mann also made several contributions to the presentation.

## MEMBERS NEWS

### SECTION DUES

In the last two months I have been printing the newsletter mailing labels with a date next to your name. This date is the month and year up to which you have paid your Southern California Section of AEG membership dues. Several of you have paid through 1993, but quite a few have not yet paid their 1991 dues. Please send your \$25.00 membership dues to the Secretary/Newsletter editor c/o of the Diamond Bar office of Leighton & Associates (see address on first page). If you get a pink newsletter, your fees are past due!

### HOMEFRONT NEWS IN THE AEG NEWS

In addition, and per the request of several of you, news from the Southern California Section of AEG are now being published in the quarterly newsletter AEG NEWS. News from the sections generally include a description of the latest meetings and field trips, and also members news. I have no problem writing a small summary of the meetings, but when it comes to writing about individual members I am generally at a loss. If you are a member of AEG participating in a particularly interesting or state-of-the-art project that may be of interest to members from other states, FAX me a short description of the project @ 714-760-1089. Non-members of AEG who are working closely with members can also be mentioned. From the words of Bill Smith, Editor of AEG NEWS, try, however, to avoid the fine line between news from members, and advertising for your company.

Bill is also always looking for suitable cover photographs. These should be color slides or prints, preferably in vertical format. If you have a great photograph of AEG NEWS cover quality, mail a copy (you will probably not get your original back) to William K. Smith, Editor, U.S. Geological Survey, Box 25046, MS 966, Denver, Colorado 80225.

### 1991 ANNUAL GSA MEETING

The Geological Society of America will hold its Annual meeting this year in the San Diego Convention Center, October 21-24. The meeting will emphasize Environmental Geology. Volunteered abstracts are due by July 3rd (contact GSA abstract coordinator @ 303-447-8850). A spectacular array of field trips have been planned (contact Mike Walawender, field trip chairman @ 619-594-6543). A few Exhibitor Booths are still available (Act now!, call Kathy Lynch @ GSA 800-472-1988). If you are not a current member contact your local representative Diane Murbach @ 619-966-8672 for membership information.

## LOCAL PROFESSIONAL MEETINGS HELD REGULARLY:

**Coast Geological Society:** Dinner meetings every third Tuesday of the month, October-June; American Legion Hall, 83 South Palm Street, Ventura.

**Inland Geological Society:** Dinner Meeting third Thursday of each month, San Bernardino County Museum, Orangetree, Redlands. Contact: Randy Brandt @ (714) 381-2004.

**Los Angeles Basin Geological Society:** Lunch meetings third Thursday of every month; now at Luminarias Restaurant, Monterey Park.

**San Diego Association of Geologists:** Dinner meetings third Wednesday of every month - locations throughout San Diego area. Contact: (619) 292-8030 (Leighton & Assoc., San Diego office).

**San Joaquin Geological Society:** Dinner meeting second Tuesday of every month except July-September, American Legion Hall, 2020 "H" Street, Bakersfield.

**South Coast Geological Society:** Dinner meetings first Monday of each month, Revere House, 900 West First Street, Tustin.



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## Association of Engineering Geologists, Southern California Section Publications

Terri Beehner, Publications Chairman, is running a quick survey to determine whether any of you are interested in obtaining copies of the following AEG publications. These particular publications are out of print, but we can have copies made if there are interested purchasers. The final cost of each of these publications will depend on the number printed. Please send a copy of this page, with the publications you are interested checked (X) to Terri Beehner, c/o Leighton & Associates, 1737 Atlanta Avenue, Suite 1, Riverside, California 92507. Or give Terri a call @ 714-788-5800.

- \_\_\_\_\_ 1. Buckley, C. and Larson, R., editors/compiler, 1990, Geology and Engineering Geology of the Western Soledad Basin, Los Angeles County, California: Association of Engineering Geologists, Southern California Section, Annual Field Trip Guidebook, November 3, 1990.
- \_\_\_\_\_ 2. Cann, L. and Steiner, E., field trip leaders, 1989, Engineering Geology Along Coastal Orange County: Association of Engineering Geologists, Southern California Section, Annual Field Trip, September 23.
- \_\_\_\_\_ 3. Guacci, G., compiler, 1985, Anacapa Island Channel Islands National Park: Association of Engineering Geologists, Southern California Section, Annual Field Trip Guidebook, June 8.
- \_\_\_\_\_ 4. Lamar, D.L.; Smith, J.L.; La Violette, J.W.; Custis, K.; and Scrivner, P.J., 1983, Application of Private Site-Specific Data to Regional Evaluation of Earthquake and Faulting Potential in Southern California: Lamar-Merifield Technical Report 83-1, prepared for the U.S. Geological Survey.
- \_\_\_\_\_ 5. Lamar, D.L., 1972, Microseismicity and Recent Tectonic Activity in Whittier Fault Area, California: Final Technical Report, prepared for the U.S. Geological Survey.
- \_\_\_\_\_ 6. Nicks, R.R., field trip chairman, 1973, Field Trips Guidebook: Association of Engineering Geologists, Annual Meeting.
- \_\_\_\_\_ 7. Slosson, J.E., field trip leader, Pipkin, B., et al., contributors, 1977, Field Trip Guidebook to Santa Catalina Island: Association of Engineering Geologists.
- \_\_\_\_\_ 8. Stout, M.L., field trip chairman, 1976, Geologic Guide to the San Bernardino Mountains, Southern California: Association of Engineering Geologists, Southern California Section, Annual Spring Field Trip, May 22.

### CALL FOR PAPERS

from the **Inland Geological Society**

Tentative Topic:

**Quaternary Faulting and Related Hazards in the  
Inland Areas of Southern California.**

Deadline for Abstracts: December 1, 1991.

**For more information contact:**

Gary Rasmussen, IGS Publications Committee Chair  
c/o Gary S. Rasmussen & Associates, Inc.  
1811 Commerce Center West  
San Bernardino, California 92408  
714-888-2422

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## Positions Available

Ads in this section are welcome at no cost.

### One Year Full-Time Temporary Faculty Position

with possibility of re-appointment, funded at the lecturer level, beginning September 16, 1991. The primary responsibility of the successful applicant will be the teaching of introductory Geology classes, such as, but not limited to Earth Science, Physical Geology and Environmental Geology, and the leading of course-related field trips. Participation in normal committee duties, senior thesis development and student advising is also expected. Opportunity will be given to teach an upper division course(s) in specialty area. Although no particular Geologic specialty is sought, preference will be given to applicant with expertise in geohydrology or engineering geology. The applicants should possess a doctorate in Geology or be nearing completion of their doctorate. Others are urged to apply.

Send a letter of inquiry and resume, including names of three current references, to:

**Dr. John A. Klasik, Chair**  
Geological Sciences Department  
California State Polytechnic University, Pomona  
3801 West Temple Avenue  
Pomona, California 91768

To be considered, application should be postmarked no later than May 17, 1991. Three letters of reference and official confirmation of highest degree will be required of all finalists.

### Position Available for Licensed Geotechnical Engineer

Salary commensurate with qualifications; benefits and stock-options available.  
For further information **CONTACT:**

Mr. Gerald Gray  
(1-800) 255-7645.

Send resume to:

**Associated Soils Engineering**  
3320 Airport Way  
Long Beach, CA 90806

### Career Opportunity for Hydrogeologist

United Water Conservation District is seeking an entry- or staff-level hydrogeologists to join its groundwater department. The successful applicant will work under the supervision of the department manager. Responsibilities include collection and management of hydrologic data, and report preparation. Requires a BS in geology/hydrogeology or related field. MS preferred. Strong communication skills a must. Personal computer experience desirable. For further information call (805) 525-4431. Fax (805) 525-2661 or send your resume to:

**Jim Gross, Groundwater Resources Manager**  
United Water Conservation District  
725 E. Main Street, Suite 301  
Santa Paula, CA 93060

### Career Opportunity for Environmental Geologist

Minimum two (2) years experience in site assessment investigations. Send your resume and salary history to:

**Personnel Department**  
**Clayton Environmental Consultants, Inc.**  
5785 Corporate Avenue  
Cypress, CA 90630

## Seminars/Meetings/Field Trips

### MARCH 1991

12-14 **"Sensors Expo West"** San Jose, CA. Will include a series of short courses and a technical conference program that will introduce the latest in sensors and related equipment, including applications in earthquake engineering and environmental geology. CONTACT: (203) 374-1411 Ext. 131.

25-27 **Cordilleran Section of GSA Meeting**, San Francisco. CONTACT: Ivan Wong, Woodward-Clyde Consultants, 500-12th St., Suite 100, Oakland, CA 94607, (415) 874-3014.

25-28 **"Analysis and Design of Aquifer Tests - Newly Revised to Include Fracture Flow Theory and Problems"**, Dublin Ohio (also in September 10-13, 1991). CONTACT: National Water Well Association, 6375 Riverside Dr., Dublin, OH 43017, (614) 761-1711.

### APRIL 1991

10-12 **"Engineering Geology and Geotechnical Engineering"**, Logan, UT. Utah State University and Idaho and Nevada Universities. CONTACT: Utah State U. (801)750-1220 Dept. of Geology, Utah State University, Logan, Utah 84322-4505.

15-19 **"MODFLOW (USGS Modular Flow Model) for Simulation of Ground Water Flow and Advective Transport"**, Reston, Virginia (also in Dallas, Texas on November 18-22, 1991). CONTACT: National Water Well Association, 6375 Riverside Dr., Dublin, OH 43017, (614) 761-1711.

21-25 **"Introduction to Ground Water Modeling Featuring the United Nations Software"**, Columbus, Ohio. CONTACT: National Water Well Association, 6375 Riverside Dr., Dublin, Ohio 43017, (614) 761-1711.

22-24 **Rocky Mountain-South-Central Section of GSA Meeting**, Albuquerque, New Mexico. CONTACT: Michael Campana or Lee Woodward, Dept. of Geology, University of New Mexico, Albuquerque, NM 87131 (505) 277-4204. Abstract deadline: December 20, 1990.

### MAY 1991

31-June 2 **Pacific Cell Friends of the Pleistocene Field Trip to Fish Lake Valley, California-Nevada**. CONTACT: Marith Reheis, U.S. Geological Survey, MS-913, Federal Center, Box 25046, Lakewood, Colorado 80225.

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AEG Secretary/Newsletter Editor  
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