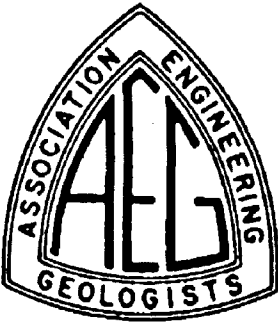


Association of Engineering Geologists

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



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Southern California Section NEWSLETTER- December 1993

Dinner Meeting - Tuesday, December 14

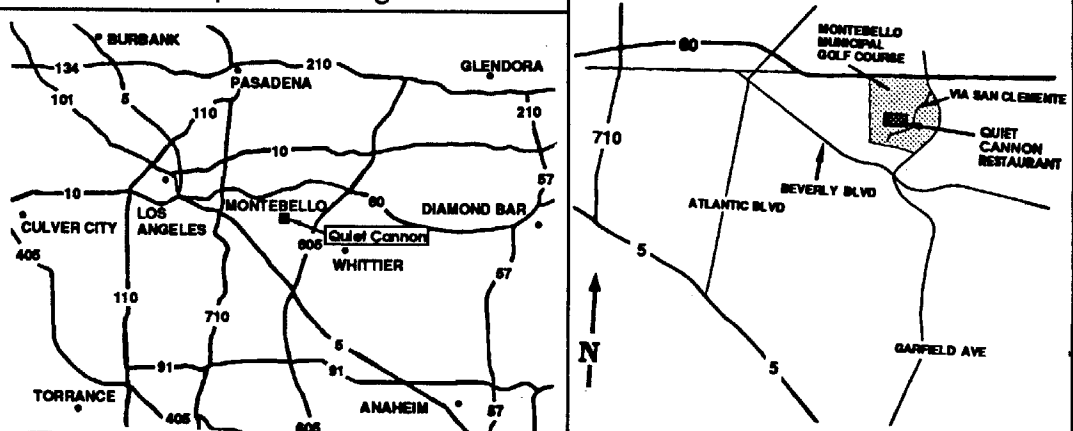
- The Quiet Cannon Restaurants
901 North Via San Clemente
Montebello
- Cost - \$20.00 (Full-Time Students - Free)
- Make reservations by Friday December 10!!!
Geosoils (818) 785-2158
(Leave Your Name & Number of People in Your Party)
- 5:30 Social Hour
- 6:45 Dinner

Program

Prototype for a Worldwide Landslide Mapping Project
by
Earl Brabb
U.S. Geological Survey

PUBLICATION RAFFLE: Everyone attending the meeting will automatically be entered into the raffle. This month's prize is **CDMG SPECIAL PUBLICATION 99, PLANNING SCENARIO FOR A MAJOR EARTHQUAKE ON THE NEWPORT INGLEWOOD FAULT** Compliments of Ed Kiesling.

Map to Meeting



PROGRAM Topic & Speaker

Topic: "Prototype for a Worldwide Landslide Mapping Project"

Speaker: Earl Brabb, U.S.G.S.

A method was developed by the USGS in the San Francisco Bay Region during the 1970's to prepare landslide susceptibility maps of large areas in a short time with few people by analyzing the relationship between past landslide distribution, geology and slope. In the mid-1980's, this method was further refined by Italian and German geologists working with Earl Brabb in New Mexico and using Geographic Information Systems (GIS) technology. During the International Geological Congress in 1988, a group of landslide specialists adopted this methodology and the New Mexico prototype for a proposed worldwide landslide mapping project.

Earl Brabb has degrees from Dartmouth college, the University of Michigan, and Stanford University. He has been with the U.S. Geological Survey since 1959, working mainly on regional geologic maps in Alaska and California and maps showing potential hazards from landslides and earthquakes. He has been a keynote speaker at several national and international meetings, and he was given the Distinguished Practice Award by the Engineering Geology Section, Geological Society of America, in 1988. He is co-editor of a book on the geographic and economic extent of landslides in the world, and the author of a chapter on the extent of the landslide problem in the United States.

Section News

At the November 8 AEG meeting, Donald Marcus of EMCON presented a case study on the difficulties in remediating a fractured bedrock aquifer. The Tally site, located in Thousand Oaks, is a former aerospace parts manufacturing facility with TCE and chromium contamination. The underlying geology is complex and highly influential in its impact on ground water flow. After several years of operating a pump and treat ground water remediation system, TCE contamination appears to be contained and downward migration controlled while levels of chromium appear to be steadily declining. Mr. Marcus indicates that DNAPL contamination at the facility may never be remediated to specified cleanup levels due to limitations of available cleanup technology and cited the need to consider the technical feasibility of remediation in setting cleanup levels. Great talk Donald!

Diane Murbach, Southern California Section member, has been selected as the 1994 NEHRP Professional Fellow in earthquake hazard reduction. Diane will be working with professors Tom Rockwell and John Bray. Her proposed research is "Characteristics of fault rupture adjacent to distressed structures." Congratulations Diane! **O.T. Hayward**, Emeritus Professor of Geology, Baylor University, presented his talk entitled "It's All Because of a Million Square Miles of Flat-Lying Bedrock" at the 36th Annual Meeting of AEG in San Antonio. This talk relates how geology controlled the westward expansion of the U.S. This presentation is available for \$25 payable to "AEG Texas Section" via Mark Dobson, c/o Raba-Kistner Consultants, P.O. Box 690287, San Antonio, TX 78269-0287. **Stephen M. Testa**, Southern California Section member and recent speaker, has authored a new book entitled "Geological Aspects of Hazardous Waste Management." The book focuses on the role of the geologist in addressing the problems of hazardous and toxic waste. The book (550 pages) is published by Lewis Publishers (1993) and is available for \$55. For more information, contact Stephen at (714) 489-2777.

CHAIRMAN'S COLUMN

by
James O'Tousa

HO HO HO - Tis the Season...

Hoping all will have a very joyful and happy holiday season. This past year for AEG has been an exciting and eventful year. Our goals within the Southern California section are inching towards completion.

The Annual Meeting in San Antonio was attended by 183 full members with the total number of attendees (students, exhibitors, guests, etc.) being around 372. The banquet featured O.T. Hayward, Department of Geology, Baylor University. His presentation was "It's All Because of a Million Square Miles of Flat-Lying Bedrock," related the impact of geology on westward expansion of the U.S. A video tape of the 45 minute presentation is available for purchase through the Texas Section of AEG.

Additional news from the meeting included the following: The AEG Directory will soon include FAX numbers; The Board Members elected to purchase office space to house the AEG Central Office and personnel. Presently, there is one full-time employee and two part-time employees; An updated computer system could help if your office would like to donate; Photographs are needed for the AEG News Cover with some geologic significance; AEG Board Members are reevaluating criteria necessary to promote Annual Meetings, partially based on our past experiences and attendance records; The Technical Committees need people.

As part of the Southern California Section effort to obtain new members, a list of new members and their company will be included in the newsletter. All new members are entitled to a free dinner at the monthly meeting for the month the the new member is listed in the newsletter. Corporate members will also be listed.

Also new for the Southern California Section is a bulletin board. This bulletin board will have posted new items, as well as the latest Sacramento and San Francisco Section Monthly Newsletters.

The Metro Rail Guidebook is now available at a cost of \$25.00.

Happy Holidays!!

BOOK SALE
Association of Engineering Geologists, Southern California Section

- Blake, T., and Larson, R.A., Eds., 1991, Engineering Geology along the Simi-Santa Rosa fault system and adjacent areas, Simi Valley to Camarillo, Ventura County, California: Guidebook for the Southern California Section of the Association of Engineering Geologists Annual Field Trip, August 24, 1991, Volumes 1 and 2, 383 pgs., 4 map sheets. **\$30.00 PRICE REDUCED**
- Buckley, C.I., and Larson, R.A., Eds., 1990, Geology and Engineering Geology of the western Soledad Basin, Los Angeles County, California: Guidebook for the Southern California Section of the Association of Engineering Geologists Annual Field Trip, November 3, 1990, 185 pgs., 2 map sheets. **\$25.00**
- City of Los Angeles, 1982, Geologic Maps of the Santa Monica Mountains, Los Angeles, California: 333 map sheets at 1" = 400', compiled by the Bureau of Engineering, Department of Public Works, City of Los Angeles, reprinted by the Southern California Section of the Association of Engineering Geologists, 342 pgs. **\$26.00**
- Leighton, Beach F., 1992, Mitigation of Geotechnical Litigation in California, Munson Books. **\$44.00**
- Shlemon, R. J. Applications of Soil Stratigraphy to Engineering and Environmental Geology, Association of Engineering Geology, Southern California Section Short Course Notes, June 5, 1993. **\$35.00**
- Sieh, K.E. and Matti, J.C., October 3-4, 1992, Earthquake Geology San Andreas Fault System Palm Springs to Palmdale, 35th Annual AEG Meeting, Guidebook and Reprint Volume. **\$25.00**
- Ehlig, P.L. and Steiner, E.A. Editors, October 2-9, 1992, Engineering Geology field Trips: Orange County, Santa Monica Mountains and Malibu. 35th Annual AEG Meeting, **\$25.00** **Optional Map and Cross Section of Big Rock Mesa **\$15.00**
- Stout, M. L., Editor, 1992, Association of Engineering Geologists. Proceedings for the 35th Annual Meeting, October 2-9, 1992, Los Angeles, California. **\$40.00**
- Scullin, M.C., 1983, Excavation and Grading Code Administration, Instruction, and Enforcement, Prentice-Hall, Inc. **\$25.00**
- Stirbys, Anthony F., et. al., October 2-9, 1992, Los Angeles Metro Rail System Field Trip Guidebook, AEG 35th Annual Meeting, Long Beach, California; **\$25.00**
- Stout, M.L., 1976, Geologic Guide to the San Bernardino Mountains, Southern California. Guidebook for the Southern California Section of the Association of Engineering Geologists Annual Field Trip, May 22, 1976; 115 pages **\$11.00**
- Shuirman, G. and Slosson, James, 1992, Forensic Engineering. Environmental Case Histories for Civil Engineers and Geologists, Academic Press, Inc. **\$49.95**
- Pipkin, B.W. and Proctor, R.J., Editors, 1992, Engineering Geology Practice in Southern California, Star Publishing **\$79.95** plus a special charge of **\$5.00** shipping and handling.

Books are available from: Bill LaChapelle, Publications Chairman, AEG Southern California Section, c/o Cal-Geo Corporation, 380 Thorpe Circle, Thousand Oaks, California 91360. Telephone (805) 374-9721; FAX (805) 496-5244. Make checks payable to AEG Southern California Section. Please add 8.25% sales tax and the following postage/handling charges: \$2.50 for the first book and \$0.50 for each additional book.

Seminars/Meetings/Field Trips

December 1993

14 **Southern California Section AEG meeting, The Quiet Cannon, Montebello. "Prototype for a Worldwide Landslide Mapping Project" by Earl Brabb, USGS**

SECTION COMMITTEE CHAIRS

Professional Registration:
Bob Hollingsworth (818) 889-0844

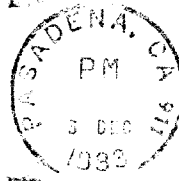
Public Relations:
Unfilled

Legislative Affairs:
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Field Trips:
Unfilled

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