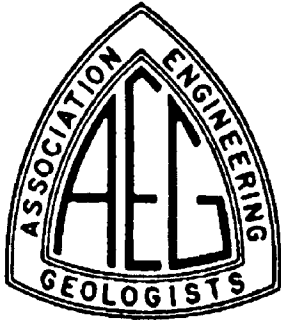


# Association of Engineering Geologists

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## Southern California Section

# NEWSLETTER- May 1992

Dinner Meeting **Monday May 4th**

**Joint Meeting with the South Coast Geological Society**

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**Make reservations by Thursday April 30th!!!**

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(Leave Your Name & Number of People in Your Party)



6:00 Social Hour



7:00 Dinner



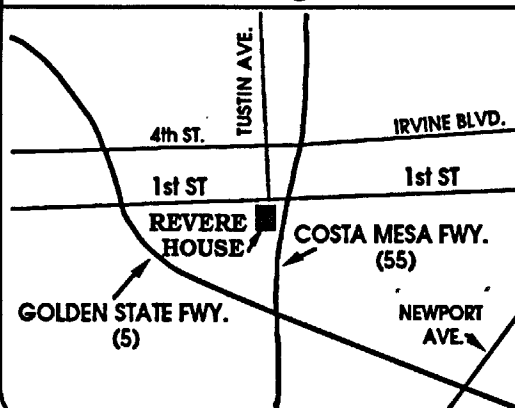
8:00 Program

## Program

### GEOLOGY OF THE WASTE ISOLATION PILOT PLANT (WIPP), CARLSBAD, NEW MEXICO

Dwight Deal, Ph.D., WIPP Geotechnical Site Manager,  
IT Corporation

### MAP to Meeting



Use 4th St. and Tustin Ave. instead of 1st St. to reach Restaurant

2550 Beverly Blvd.  
Los Angeles, CA 90057

# PROGRAM Topic & Speaker


## GEOLOGY OF THE WASTE ISOLATION PILOT PLANT (WIPP), CARLSBAD, NEW MEXICO

Dwight Deal, Ph.D., WIPP Geotechnical Site Manager,  
IT Corporation

Our society continues to generate a volume of hazardous wastes that exceeds the capacity of geotechnically suitable and politically authorized repositories. There are a few sites in the western U.S. that are attempting to comply with these requirements. One of the sites important to California is the Waste Isolation Pilot Plant in New Mexico.

The Waste Isolation Pilot Plant (WIPP) is a Department of Energy (DOE) facility established to demonstrate the safe disposal of TRU radioactive wastes derived from the defense activities of the United States. Site characterization for the WIPP began in 1976 at a location approximately 42 kilometers east of Carlsbad, New Mexico. Underground construction began in 1983, with the excavation of the first shaft into the Salado Formation. By 1988, approximately 14 km of underground drifts and rooms had been excavated 2,150 feet beneath the surface, and Panel 1 was prepared to receive contaminated materials. Complications related to the current permitting process, land withdrawal, conflicts between existing regulations, and public concern have delayed the opening of the WIPP.

Dwight Deal, Ph.D., is the WIPP Site Manager of geoscience and geotechnical services for the IT Corporation. Dr. Deal has more than 20 years of experience in hydrology and environmental geology, and has been at the WIPP site since 1984. He has extensive experience in geologic/economic materials mapping and in the evaluation of groundwater flows and resources in karst environments throughout the U.S., Canada, Mexico, and the Arabian Peninsula. He received his B.S. from Rensselaer Polytechnic Institute, his M.S. from the U. of Wyoming, and his Ph.D. from the U. of North Dakota.




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## **AEG NEEDS YOUR HELP!!**

(from John Byer)

Eldon Gath (Chairman of the Section), and John Byer (1992 Annual AEG Meeting Chairman) were present at the Annual Board of Directors Meeting of AEG this past April. At the meeting they learned that AEG is about \$100,000 in debt, due to problems with the marketing firm that handled the Chicago and Pittsburgh meetings. To survive this fiscal year, the Association needs to receive from the Southern California Section any profits generated from this year's Annual Meeting to be held in Long Beach. To insure good attendance, the meeting must be promoted. You can do this by talking with your suppliers, vendors, and clients, and providing them with information about the meeting, and an invitation to attend. We should be seeking non-member attendees for this meeting. Please try to promote this meeting to everyone and anyone you might think may be interested in its technical content and field trips. **Thank You!**

The **1992 Annual AEG Meeting** is scheduled for the week of October 2-9, 1992, in the Hotel Queen Mary in Long Beach. Several technical sessions, symposia and field trips have been planned. The technical sessions include Engineering Geology, Seismicity, Environmental Issues, and Consulting Practice. The following symposia will be offered: Water Rights in the Southwest, Earthquake Induced Ground Failures, The Engineering Geologist as an Expert Witness, Regulatory Review: Perspective of Reviewers, and Ground Subsidence and Fissuring.

Attendees will also have the opportunity to participate in these field trips: The San Andreas fault - Palm Springs to Palmdale, Geology of Catalina Island, The Santa Monica Mountains, Geology of the Stars Homes, Malibu, Geology of Orange County, including the San Onofre Nuclear Power Plant, Subsurface geology and Construction techniques of the Metro Rail, and a tour of the Palos Verdes Peninsula from aboard the USC Oceanographic ship.

As more information is available regarding the meeting, it will be announced in your newsletter. As you can see, a very exciting program has been planned. Plan to attend, and invite others to do so too! If you need further information, including information regarding exhibits, attending the conference, or teacher's workshops, you can also contact Rosenberg & Risinger, 11287 W. Washington Blvd., Culver City, CA 90230, (310) 397-6338.

## **COURSE ANNOUNCEMENT**

The UCLA Extension presents a course on "Remediation Strategies for Urban Properties." The course, to be taught by Dr. Arshud Mahmood, Group Leader, Dames & Moore, is designed for Remediation Contractors, Project Managers, Environmental/Engineering Consultants, Property Owners' Representatives, and Agency Liasons. The course will include Permitting, Health and Safety Planning and Monitoring, Community Relations, Excavation/Shoring/Dewatering, Air, Water and Soil Monitoring, Ex-situ Remediation, Transportation, Disposal and Landfilling, Confirmation Sampling and Closure. The course will meet on the UCLA campus on Thursdays, from 6:30 to 9:30 p.m., from June 25 to July 30. Fee is \$195. For further information call the Division of Sciences at (310) 825-7093.

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**Short Course:** Dave Grover (818) 889-0844

**Field Trips:** Robert Larson (818) 458-4923

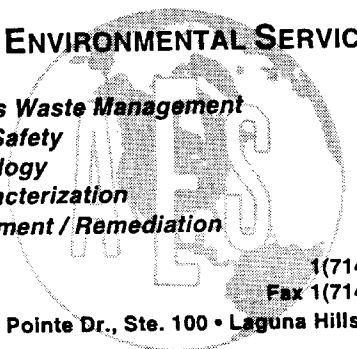
# NEW OFFICERS FOR THE SOUTHERN CALIFORNIA SECTION OF AEG

It is time to select new officers for your section. At the April meeting, the following members were nominated. Please cast your ballot by voting for the nominated individuals (put an X or check by their names) or by writing in the blanks provided your option for that particular position. Mail the ballot to Bob Hollingsworth, c/o Grover-Hollingsworth, 31129 Via Colinas, Suite 707, Westlake Village, California 91362. New officers will be sworn in at the June section meeting.

Position:	Nominated Candidate:	Write-in:
Chairman	Kelly Rowe	_____
Vice-Chairman	James O'Tousa	_____
Treasurer	Robert Larson	_____
Secretary	Tania Gonzalez	_____

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with 2-3 years experience in geologic (detailed) mapping, database management, geotechnical instrumentation data acquisition, geotechnical investigations, construction management, and tunneling. Applicants should have a B.S. (minimum) degree in engineering geology, or related discipline. Written and verbal communication skills are mandatory. Qualified candidates should submit resumes (in confidence) by May 1st to:

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# 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. \$40.00
- 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
- Buesch, D., Ed., 1979, Geomorphic Applications in Engineering Geology: A State-of-the-Art Short Course: Short course held at California State University at Los Angeles, November 10-11, 1979, reprinted by the Southern California Section of the Association of Engineering Geologists, 145 pgs. \$11.00
- Byer, J.W., Ed., 1975, Sycamore Canyon Fault, Verdugo Fault, York Boulevard Fault, Raymond Fault, and Sierra Madre Fault Zone: Guidebook for the Southern California Section of the Association of Engineering Geologists Annual Field Trip, September 27, 1975, 68 pgs. \$ 8.00
- Cann, L., and Steiner, E., Eds., 1989, Engineering Geology along Coastal Orange County: Guidebook for the Southern California Section of the Association of Engineering Geologists Annual Field Trip, September 23, 1989, 207 pgs. \$20.00
- 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
- Lamar, D.L., Ed., 1978, Geologic Guide and Engineering Geology Case Histories, Los Angeles Metropolitan Area: Guidebook for the Southern California Section of the Association of Engineering Geologists, First Annual California Section Conference, May 12-14, 1978, 174 pgs. \$16.00
- Stout, M.L., Ed., 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, 114 pgs. \$11.00

### REPRINTS NOW AVAILABLE!!

Fife, D.L., Eagen, J.T., and Hollon, C.E., 1978, Failure of the St. Francis Dam, San Francisquito Canyon, California: Association of Engineering Geologists, Southern California Section Special Publication. \$9.00

Scullins, C. M., 1983, Excavation and Grading Code Administration, Inspection and Enforcement: Prentice Hall, Inc., 405p. \$25.00

### ALSO NOW AVAILABLE

Baldin, J.E., and Sitar, N., (editors), 1991, Loma Prieta Earthquake: Engineering Geologic Perspectives: Association of Engineering Geologists Special Publication No. 1, 250+p.

**Books are available from:** Joe Cota, Publications Chairman, AEG Southern California Section, c/o GeoSoils, Inc., 6634 Valjean Avenue, Van Nuys, California 91406, (818) 785-2158. 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

### APRIL 1992

**29-May 1** 1992 Pacific Section Convention AAG-SEPM-SEG-EMD, in Sacramento, California. Theme for the convention is "Creative Approaches to Environmentally Sound Exploration". **CONTACT:** Rich Boyd, General Chairman, Capitol Oil Corporation, 1545 River Park Drive, #501, Sacramento, CA 95815, (916) 929-4141.

### JUNE 1992

**5, 6 & 7** Pacific Cell Friends of the Pleistocene Field Trip to the Southern End of the Cascadia Subduction Zone and The Mendocino Triple Junction. **CONTACT:** Gary Carver and Bud Burkner, Department of Geology, Humboldt State University, Arcata, California 95521.

**13** Geological Cruise on Lake Mead, field trip organized by the Las Vegas subsection of the Southwestern Section of AEG. Spouses and guests are welcome. Led by Gene Smith of University of Nevada, Las Vegas. **CONTACT:** Brenda Pohlmann, Section Secretary, 702-486-7010.

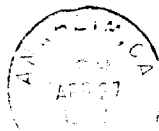
**15-17** First Thematic Conference on Remote Sensing for Marine and Coastal Environments: Needs and Solutions for Pollution Monitoring, Control, and Abatement, in New Orleans, Louisiana. **CONTACT:** Nancy Wallman, ERIM, Box 134001, Ann Arbor, MI, 48113-4001, (313) 994-1200, ext. 3234.

**28-July 2** Stability and Performance of Slopes and Embankments: A 25-Year Perspective, University of California at Berkeley, hosted by the American Society of Civil Engineers. **CONTACT:** (1-800) 548-ASCE.

### JULY 1992

**20-Aug. 20** "Volcanoes of Indonesia" Field Trip. Sites to visit include crater lakes, sulfurous hot springs, snow-capped peaks, and belching volcanoes, on the islands of Java, Bali, Sumatra, Irian Jaya, and Krakatoa. **CONTACT:** Dorothy Stout, Cypress College, 714-826-2220.

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