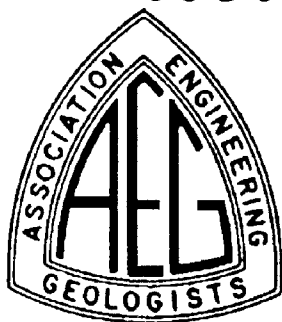


# Association of Engineering Geologists

## Southern California Section

### NEWSLETTER- June 1991



**Eldon Gath**  
Chairman  
(714) 860-7772 or  
(818) 965-4874

**Kelly E. Rowe**  
Vice Chairman  
(714) 474-9344 or  
(818) 965-4048

**James O'Tousa**  
Treasurer  
(818) 709-3872

**Tony Stirbys**  
Membership Chairman  
(213) 362-6176

**Terri S. Behner**  
Publications Chairman  
(714) 888-2422

**Tania Gonzalez**  
Secretary/Newsletter Editor  
12 Issues/year-\$25 to "AEG"  
(Full-Time Students \$10/year)  
(714) 860-7772  
(714) 860-1089 FAX  
c/o Leighton & Associates  
1470 S. Valley Vista Dr. #150  
Diamond Bar, CA 91765

2550 Beverly Blvd.  
Los Angeles, CA 90057

#### Dinner Meeting *Tuesday June 11th*

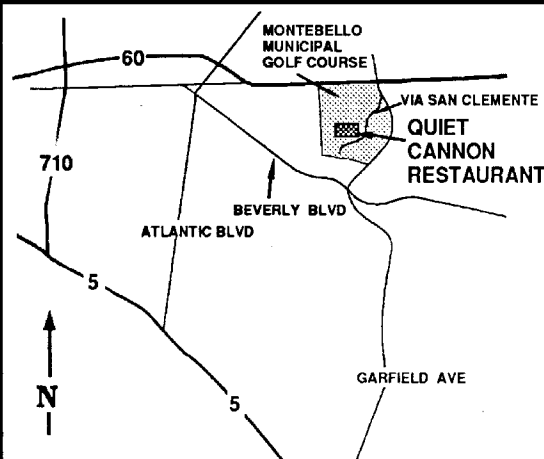
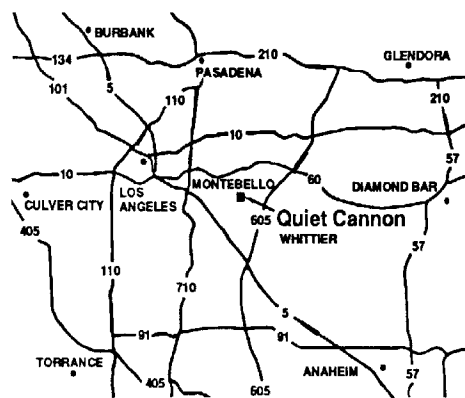
- The Quiet Cannon Restaurant  
901 North Via San Clemente  
Montebello
- Cost - \$20.00 (Full-Time Students - Free)
- Make reservations by Friday June 7th!!!**  
Grace (Leighton & Associates) 714-860-7772  
(Leave Your Name & Number of People in Your Party)
- 5:30 Social Hour
- 6:45 Dinner  
7:30 Announcements
- 8:00 Program

### Program

**TOPIC Remedial Investigation and Feasibility Study of Groundwater Contamination in the San Gabriel Basin**

**SPEAKER Jonathan Harris, Hydrogeologist/  
Geochemist with CH2M-Hill**

#### MAP to Meeting



## PROGRAM Topic & Speaker

### The Remedial Investigation and Feasibility Study of Ground Water Contamina- tion in the San Gabriel Basin (San Gabriel Valley Superfund Site)

Jonathan Harris - Hydrogeologist/  
Geochemist with CH2M-Hill

The San Gabriel Basin is known to contain a wide-spread ground water contamination problem which made it one of the largest areas defined and listed in the Federal Superfund program requiring investigation and cleanup. This problem is primarily related to use and disposal of organic chemical solvents from past industrial and commercial practices. Highlights of investigations undertaken in the San Gabriel Basin by the USEPA Contractor, CH2M-Hill, over the last six years will be presented, emphasizing the current understanding of the extent and nature of the problem. The results of three-dimensional modeling of ground water flow and contaminant transport will be discussed along with a summary of the anticipated approach to long-term remediation.

Jonathan Harris is a hydrogeologist/geochemist with ten years experience in evaluating complex hydrologic and geologic systems. His experience includes evaluating sites for high-level radioactive waste repositories and for the Superconducting Super Collider. While at CH2M-Hill, Mr. Harris managed three hydrogeological projects in the San Gabriel Basin for the Metropolitan Water District of Southern California, the USEPA, and the Main San Gabriel Basin Watermaster. Mr. Harris's technical specialties include numerical modeling of ground water flow and contaminant transport, geochemical modeling, and evaluation of regional groundwater systems.

## REPORT FROM THE PUBLIC RELATIONS COMMITTEE

(by Robert Ruff, Chairman)

As expressed by Eldon Gath and discussed in the December 1990 newsletter, "the aim of this committee is to increase the exposure and recognition of the practice of engineering geology to the public at large." The first meeting of this committee was held on Wednesday, March 20, 1991 prior to the scheduled dinner meeting. Present at the meeting were committee chairman Robert W. Ruff, Keith Green, Dale Glenn, Scott Fishburne, Linda Tandy, and Curt Heidenreich. Other members of the committee who were not present include Victoria Castle and Lisa Barnett.

Discussions at this meeting included topics that might be presented, groups or organizations to be contacted, and preparation of material for presentation. To date, two lectures have been presented. The first was presented to junior high school students at La Paz Intermediate School in Mission Viejo. The first "Seismolab" course in southern California, offered to Junior High students is currently being taught at this school. In conjunction with class information, material was presented regarding: 1) faults in the local Mission Viejo area, 2) how these faults are recognized, 3) Alquist-Priolo Special Studies Zones, and 4) fault trenching.

A second lecture was presented to an upper division general education course at California State Fullerton. Associate professor Dr. John Foster, with the Department of Geological Sciences, is currently teaching a class entitled "Geologic Hazards in California." With the help of slides provided by Woody Higdon (Geo-Tech Imagery), our lecture centered on the investigation and remediation of a landslide in southern Orange County.

The committee is currently entertaining the following topics for future lectures: 1) Geological Career Opportunities, 2) Faulting in Southern California, 3) Landslide Recognition and Mitigation, 4) Geologic Hazards in California, and 5) Environmental Concerns. Possible organizations, groups and educational institutions where these lectures may be presented include the following:

- 1) Junior High and High Schools
- 2) Various colleges
- 3) Service clubs and social organizations
- 4) Church groups
- 5) Town Hall meetings and City Council meetings.

**PRESSURE**

**GROUT  
COMPANY**

**Steven C. Chandler**  
Grouting Engineer

125 South Linden Ave.  
So. San Francisco,  
CA 94080-6466  
415/871-2244  
FAX 415/761-2234

831 East D St.  
Wilmington  
CA 90744-6007  
213/513-0773  
FAX 213/513-0303

## **1992 ANNUAL MEETING OF AEG**

This meeting, hosted by the Southern California Section, will be held in Long Beach the week of October 2 through October 9, 1992, at the Hotel Queen Mary. Sponsors are needed to help underwrite the costs associated with the meeting. Sponsors will receive free advertising space in the AEG Directory and well as in the AEG News and the local newsletter. Sponsors will also receive special recognition during the meeting. Also available are 150 exhibit spaces. Anyone wishing to reserve exhibit space or offering to become a sponsor should contact Greg Rzonca at Converse Consultants Inland Empire (714-889-8004). (See ad below) Mr. John Byer, Chairmain of the meeting submitted the following tentative schedule of activities planned for the 1992 Annual Meeting:

### **Friday, October 2**

AEG Council Meeting

### **Saturday, October 3**

Registration

Overnight Field Trips:

- 1) San Andreas Fault
- 2) Catalina Island
- 3) Reno-Long Beach-Owens Valley (this field trip leaves from Reno, Nevada)

CSLA Computer Drafting Short Course

### **Sunday, October 4**

Earthquake Site Response Short Course

Metro Rail Trip

Geology of the Stars Homes Field Trip

CSLA Computer Drafting Short Course

Magic Castle Special Event

### **Monday, October 5**

Exhibits

Poster Session

Job Interviews

Four Technical Sessions

Ice Breaker

Ice Breaker Awards

Women in AEG Lunch

### **Tuesday, October 6**

Teachers Workshop

Exhibits

AEG Corporate Lunch

Poster Sessions

Four Technical Sessions

Job Interviews

Harbor Cruise - Special Dinner Special Event

### **Wednesday, October 7**

Exhibits

Exhibitor's Lunch

Job Interviews

Four Technical Sessions

Banquet at the Spruce Goose

### **Thursday, October 8**

Standard of Care Short Course

USC Oceanography Field Trips

Trips available to:

Disneyland

Knott's Berry Farm

Universal Studios

Queen Mary

Field Trips to:

Orange and San Diego Counties

Engineering Geology of the Santa Monica Mountains

### **Friday, October 9**

Geology of the Stars Homes Field Trip

Ground Water Short Course

Photo Workshop presented by Woody Higdon

Malibu Field Trip

Directors Meeting

## **1991 AEG FIELD TRIP**

The 1991 AEG Field Trip will visit the Simi Valley and environs on August 24th. **Cost of the field trip is \$55.00 for professionals, and \$25.00 for full-time students.** Please send payment to Tania Gonzalez (c/o Leighton and Associates, 1470 S. Valley Vista Drive, Suite 150, Diamond Bar, California 91765). **Payment is due by July 12th.** If you are unable to attend, but want the guidebook, please place an order with Tania by July 12th, so that enough guidebooks can be printed. The cost of the guidebook is not known at this time, but will be on the order of \$25.00 to \$35.00.

At this time, we have commitments for 20 papers on a variety of subjects, including active faults, landslides, slope stability, soils, geophysical investigations, and liquefaction. If you have not volunteered to write a paper, but would like to, contact Tom Blake at (805) 650-7000. If you would like to volunteer to help run the field trip, please contact

## **SECTION COMMITTEE CHAIRS**

**Professional Registration:** Bob Hollingsworth (818) 889-0844

**Public Relations:** Robert Ruff (714) 549-8921

**Legislative Affairs:** Hugh Robertson (805) 373-0057

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

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

## **HEY - SUPPORT YOUR ASSOCIATION!!!!**

The Southern California Chapter of AEG (that's us) is hosting the 1992 National Meeting. To assure a successful and measurable meeting, we (that's us) need sponsor contributions (\$\$\$) from the local geotechnical consulting community (that's you). Please call Greg Rzonca at Converse Consultants Inland Empire (714-889-8004) for further information.

We thank you.

## **ROBERT T. BEAN SCHOLARSHIP ESTABLISHED**

The Department of Geological Sciences at Cal State Los Angeles is pleased to announce the establishment of the **Robert T. Bean Scholarship in hydrogeology**. Bob was president of AEG in 1961 when the organization was in its infancy, and has served the profession in many roles for over 50 years. If you would like to contribute to the scholarship, please make your check out to the Robert T. Bean Scholarship and send it to Alan Colville, Department of Geological Sciences, California State University, Los Angeles, California, 90032-8203.

## **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

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.

## **AEG STUDENT WORKSHOP**

On Saturday, April 27th, 1991, an AEG Student Workshop organized by Dave Grover was held at Cal State Los Angeles. About 30 students attended and enjoyed the speakers and sumptuous lunch provided by Grover-Hollingsworth and Associates, Inc. The students were from high-schools, as well as community and 4-year colleges. The speakers were: Glenn Brown, who talked about Engineering geology and professional practice; Martin Stout, Academic programs in engineering geology; Greg Byrne, Local consulting projects (and what I didn't learn in school); Charlie Buckley, Environmental studies; Mike Barmasse, Legal aspects of the profession; Hugh Robertson, Evaluation of distressed properties; and Richard Proctor, The geologist as an expert witness. Thank-you to all the people who with their work, participation and contributions made this workshop possible!

## **Short Course Announcements**

Dr. Richard W. Hurst, Professor of Biogeochemistry at California State University, Los Angeles, and President, Chempet Research Corp. will be giving a short course on **Hydrogeologic-Environmental Applications of Stable Isotopes** on June 17-18, 1991, at the Mandalay Beach Resort (2101 Mandalay Beach Road, Oxnard, CA 93035).

This course will emphasize the principles of stable and radioactive isotope geochemistry and the application of isotope geochemistry to groundwater and environmental geology. It is directed to an audience of professional geologists and engineers with no formal training in the area of isotope geochemistry. Both stable and radioactive isotopes will be discussed. The course will focus on groundwater monitoring, hazardous waste migration, correlation of sedimentary sequences, and the interrelationships between organics and inorganics in the environment (e.g. gasoline/petroleum hydrocarbons).

Registration fee is \$285.00 per participant. Course notes are included. The registration fee must be received no later than May 15, 1991. In the event that the short course is cancelled due to an insufficient response, the total registration fee will be returned to each registrant as quickly as possible. Send your registration fee to Richard W. Hurst, Ph.D., c/o Hurst Seminars and Symposia, 9 Faculty Court, Thousand Oaks, CA 91360. For further information call (805) 492-7145.

**California Registration Exam Review Courses and Study Manual:** REG Review, Inc. is offering eight review courses in the southern California area to prepare for the California Geology Registration and Engineering Geology Certification exams. Review courses will concentrate on problem-solving skills in the fields of structural geology, map interpretation, hydrogeology, and engineering geology. Other topics covered will be given less emphasis. The courses are divided into Series I and Series II depending on whether they meet in the early or late summer months, but all courses present the same material. Classes are held in Pasadena (PAS), Tustin (TUS), San Diego (SD), Sacramento (SAC) and San Francisco (SF). The 1991 Study Manual provided with the course may be purchased separately for \$75.00 prepaid (tax and shipping included). For REG Review, Inc.'s 1991 brochure giving the course schedules and Study Manual ordering information, contact Patti Osiecki, President, at (415) 852-9099, or Lisa Dirth (Vice-President, at (415) 339-3771, or write to REG Review, Inc., 6555 Oakwood Drive, Oakland, CA 94611.

Series I courses offered are: SD-1 June 19 and July 17; TUS-1 June 20 and July 18; TUS-2 June 21 and July 19; and PAS-1 June 22 and July 20. Series I course pre-registration fees are \$325.00 if postmarked by May 29, 1991; \$375.00 after that date.

Series II courses offered are: SD-2 August 21 and September 18; TUS-3 August 22 and September 19; TUS-4 August 24 and September 20; and PAS-2 August 24 and September 21. Series II pre-registration fees are \$325.00 if postmarked on or before July 31, 1991; \$375.00 after that date.

## Professional Services

Business-card size advertisement space available for \$50.00/year.

**RICH DARBY**

Lic. #519165



**CO.  
EXCAVATION CO.  
DRILLING, LP**

"WE DRILL & DIG HOLES."

TESTPITS/BORINGS, CAISSONS, FOOTINGS, FOUNDATIONS  
GRADEBEAMS, UNDERPINNINGS/PADS, SEEPAGE PITS

L.A. COUNTY:  
P.O. BOX 94656  
PASADENA, CA 91109-4656  
(818) 767-5293

ORANGE COUNTY:  
P.O. BOX 3241  
COSTA MESA, CA 92628-9998  
(714) 645-3127

**CHEMTEK**  
i n c.

**ENVIRONMENTAL  
LABORATORIES**  
D.O.H Certificate #1435

14140 Alondra Boulevard  
Suite A Santa Fe Springs  
California 90670

Telephone 213-926-9848  
Telefax 213-926-8324

**SANFORD L. WERNER**

CONSULTING GEOHYDROLOGIST  
ENGINEERING GEOLOGIST  
WATER QUALITY SPECIALIST

Registered Geologist  
Certified Engineering Geologist

21031 Blythe St., Canoga Park, CA 91304, (818) 998-8178



**CORE  
LABORATORIES**

1250 East Pacifico  
Anaheim, California 92805  
(714) 937-1094  
Fax: (714) 937-1170

## Positions Available

Ads in this section are welcome at no cost.

### Positions Available for

#### Staff, Project and Senior Geologists in the Burbank Area

EMCON Associates are looking for geologists with experience in site assessment, ground water monitoring/remediation, property transfer assessments (Phases I, II and III), or underground tanks. We offer career growth in a strong dynamic company with 20 years in business and offices throughout the western U.S. Please submit resumes in confidence to:

**EMCON ASSOCIATES**  
P.O. Box 7894  
Burbank, CA 91510-7894  
Attention: Lucien Jervis,  
Human Resources.

For more information, call Keith G. Farrell, Director of Geology  
at (188) 841-1160.

### Career Opportunity for

#### Mid-career Environmental Scientists and Engineers

with experience in one or more of the following  
Soils and ground water assessment and remediation  
Site audit/compliance/permitting  
Hazardous materials management  
Professional registration a plus

Excellent salaries and benefits commensurate with technical and managerial capabilities. Please submit resumes (in confidence) to:

**Ninyo & Moore**  
15375 Barranca Parkway, Suite A-101  
Irvine, CA 92718  
Attention: Dr. Peter R. Supko, General Manager

### Position Available for Environmental Scientist

with 2 to 3 years experience in environmental risk assessments, underground storage tanks, compliance audits, oversight of drilling activities and soil/ground water sampling. Working knowledge of State and county regulations and excellent writing skills required. Send resume (in confidence) to:

**Ninyo & Moore**  
6150 Lusk Boulevard, Suite B-200  
San Diego, CA 92121  
Attention: L. Ashworth

### Job Opportunity for a Staff Geologist

Metcalf & Eddy, Inc., a quality oriented engineering and environmental firm is looking for a staff geologist to fill a position in their Santa Barbara office. This position requires 1 to 3 years experience working in the environmental field. Applicants should have a BA in geology, hydrology or related discipline, and be familiar with field activities related to soil and ground water investigations and remediation programs, environmental sampling techniques, and UST projects. Familiarity with environmental regulations recommended. Written and verbal communication skills are mandatory. Send resume including salary requirements in confidence to:

**Sherrie FitzGerald**  
METCALF & EDDY, Inc.  
P.O. Box 24110  
Santa Barbara, California 93121

### Position Available for a

#### Geology Instructor at Cypress College

100% One Year Temporary Contract, 1991-92 (Sabbatical Replacement). Responsibilities: teach lecture and laboratory sections of geology courses, including Physical Geology, Geology of California and Regional Field Studies in Geology. Minimum qualifications: Master's degree in appropriate subject matter. For more information contact:

Dean Michael Jacobs  
Cypress College  
Cypress, CA 90630  
714-826-2220

or send Application materials to:

Human Resources Office  
North Orange County Community College District  
1000 North Lemon St.  
Fullerton, California 92632  
714-870-7371

All materials must be received by June 25, 1991.

## Seminars/Meetings/Field Trips

### 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.

### JUNE 1991

17-18 "Hydrogeologic- Environmental Applications of Stable Isotopes", Mandalay Beach Resort, Oxnard, CA. CONTACT: Richard W. Hurst, Ph.D., course instructor, 9 Faculty Court, Thousand Oaks, CA 91360, (805) 492-7145. Registration deadline: May 15, 1991.

### JULY 1991

8-12 "Coastal Zone 91", Hyatt Regency Hotel, 200 S. Pine Avenue, Long Beach, CA. Coastal Zone 91 is a multidisciplinary conference on coastal and ocean resource management issues. The goals of the conference are to present the latest state of the art in coastal and ocean technologies; provide a forum for discussion and resolution of divergent points of view on coastal and ocean policies; and promote the need for greater public understanding and involvement in ocean and freshwater issues. CONTACT: CZ 91 Headquarters, Middletown, CA, 707-987-0114, FAX 707-987-9351.

## 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, Inc.:** Dinner meetings first Monday of each month, Revere House, 901 First Street, Tustin.

Tania Gonzalez  
AEG Secretary/Newsletter Editor  
c/o Leighton & Assoc.  
1470 S. Valley Vista Dr., #150  
Diamond Bar, CA 91765



FIRST CLASS POSTAGE