Dinner Meeting *Tuesday August 14th*

- The Quiet Cannon Restaurant
  901 North Via San Clemente
  Montebello
- Cost - $20.00 (Full-Time Students - Free)
- For reservations call by August 10th!!!
  Marlon (818) 889-0844 (Grover Hollingsworth & Assoc.)
  (Leave Your Name & Number of People In Your Party)

Make reservations by Noon on the Friday before the Meeting

- 5:30 Social Hour
- 6:45 Dinner
- 7:30 Announcements
- 8:00 Program

**Program**

**TOPIC**

The 1988 Armenia Earthquake: Observations of a Disaster

**SPEAKER** Henri Koza - Civil/Structural Engineer with EQE Engineering
Program

Topic & Speaker
The 1988 Armenia Earthquake: Observations of a Disaster
Henri Koza

On December 7, 1988 at 11:41 a.m. local time, a powerful earthquake struck northwest Armenia, a Soviet republic with 3.5 million people. The event caused catastrophic damage that resulted in tens of thousands of deaths in a 400 square kilometer epicentral region occupied by approximately 700,000 people.

The Soviet estimate of the deaths in the Armenia earthquake exceeds 25,000, but unofficial estimates more than double this number, making it one of the worst natural disasters of this century. The great majority of deaths were caused by buildings collapsing on occupants. Approximately 19,000 people were injured more than 500,000 were left homeless with probably as many jobless. Eighty percent of Leninakan, Armenia’s second largest city with 290,000 people, was destroyed or damaged. EQE Engineering was part of an NAS/Soviet Academy of Sciences investigative group dispatched to the earthquake area shortly after the event. This talk will present observations about the quake, and discuss styles of damage and lessons that were learned.

If timing and logistics permit, Henri will also show some of the effects of the Philippine earthquake, as observed by EQE’s response team.

Henri Koza is a Project Manager at EQE Engineering, a consulting firm specializing in earthquake and structural engineering. Henri has over 15 years of combined experience in design and management of engineering projects. He has worked on the design of large industrial projects, as well as performed earthquake risk analyses and retrofit design for a variety of commercial facilities.

He has a Bachelor’s degree in Civil Engineering from Cooper Union, in New York City, a Master’s degree in Structural Engineering from UC Berkeley, and an MBA from UC Irvine.

This Month
August 1990

Last month Eldon Gath described in detail the elements of the new Safety Element of the Los Angeles County General Plan. Leighton & Associates led a team of consultants in the drafting of this plan. Eight maps were generated as part of the Safety Element. Two of these maps are Active and Potentially Active Faults, and Historic Seismicity and Liquefaction Susceptibility. Eldon explained the criteria and information used to develop these maps and then answered numerous questions.

Terri Beehner preceded Eldon with an interesting short presentation on the “Burial of Fault Scars Along the Organ Mountains Fault, South-Central New Mexico.”

At the June AEG SCS meeting was a special surprise to those who were in attendance. Don Lamar, Zip-A-Dip guru, king, and emperor, and former AEG SCS Chairman, provided the group with free Zip-A-Dip t-shirts. This was done to 1) be a nice guy and 2) to clear out his garage in preparation for a vagabond existence in retirement with his wife Jeanine. Yes, Don and his wife will be taking leisurely excursions around the globe. Where they will eventually settle they don’t know. We can expect though, over the next few months, to see Don drop into our meetings occasionally to provide bits of Lamarisms. Don and Jeanine will be missed. Zip-A-Dips, however, will still be available through mail-order.

The Oakland Tribune published a series of articles concerning the practice of geology in California on June 17, 18, and 19, 1990. The third article discussed the Board of Registration for Geologists and Geophysicists and was very critical. The primary factor used to judge the Board’s effectiveness was the number of professionals disciplined. The authors reported that “... in 1988, one geologist in 6,423 lost his license while on doctor in 1,057 and one lawyer in 376 were kicked out of their professions...” Several geologists contacted, some of whom are members of AEG, provided less than favorable comments on the Board’s usefulness and the level of competence within the profession.

The Board is presently being reviewed by the State Assembly, Government Efficiency Committee, chaired by Assemblywoman Delaine Eastin. Eastin has given the Registration Board until June 1992 to show that it has accomplished something.
A discussion was held on what action AEG could take to head off possible attempts to eliminate the Board of Registration in 1992. Buzz Spellman, member of the Board of Registration, agreed that more enforcement was needed. Buzz indicated that there is often an incorrect impression that the Board does not act on complaints submitted. This impression results from the fact that all Board inquiries and review must be kept confidential until official action is taken. Buzz also reported that more enforcement takes more money which is difficult to obtain in the present political climate. Suggestions offered by those in attendance included having AEG work with the Board to establish criteria for various reports, working through the lobbyist to increase Board funding, introducing legislation to strengthen enforcement, or do nothing.

This topic will be discussed at the August meeting. Please bring any comments or suggestions.

The 1990 AEG SCS annual field trip will address the engineering geology and hydrogeology of the Soledad Basin. The field trip will be held in late September or early October. We are soliciting articles for the guidebook, as well as suggestions for stops. General topics to be covered include: San Gabriel Fault, landslides, expensive bedrock, treatment of collapsible soils, ground-water development and private sewage disposal. Please volunteer at the July AEG meeting or contact Bob Hollingsworth (818) 889-0844 or Charlie Buckley (818) 991-1542.

Call For Papers... The 66th Annual meeting of the Pacific Section AAPG-SEPM-SEG-SPWLA-Environmental Groups will be held in Bakersfield, California on March 5-8, 1991. The theme of the meeting will be Earth Science: The Continuing Challenge, in which new concepts and roles will be highlighted, and traditional topics will be featured. Three days of technical sessions and symposia are planned.

Attendance at the Bakersfield meeting is expected to be between 1,000 and 1,500 geologists, geophysicists, petrophysists, environmental geologists, students, and other earth science professionals. For further information contact the Symposium Chairman, Dan Schwartz, 4909 Stockdale Hwy., Suite 251, Bakersfield, CA 93309, (805) 326-5655.

First Call For Papers... The 27th Annual Symposium on Engineering Geology and Geotechnical Engineering will be held April 10-12, 1991, at Utah State University, Logan, Utah. Presentations on all aspects of engineering geology and geotechnical engineering are solicited. A short course "Techniques in Paleoseismology" will be offered April 9, and a field trip to the Jordanelle, Utah dam site is scheduled on April 13.

Deadline for one-page preliminary abstracts is Dec. 21, 1990, with final camera-ready manuscripts (20-page limit) due on March 1, 1991. For further information contact the Symposium Chairman, Dr. James McCalpin, Dept. of Geology, Utah State University, Logan UT 84322-4505, (801) 750-1220.

Richard W. Hurst, Ph.D., will be holding a short course entitled "Isotope Geochemistry for Professional Geologists and Engineers", October 22-23, 1990 in Oxnard. Dr. Hurst is a professor of biogeochemistry at CSULA and is president of Chempet Research Corp. The course will be held at the Mandalay Beach Resort, 2101 Mandalay Beach Rd., Oxnard, CA 93035, tel. (800)582-3000. The fee for the course is $285. The deadline for registration is Sept. 10, 1990. Contact Dr. Hurst at (805) 495-8385.

The Executive Officer position of the State Board of Registration for Geologists and Geophysicists will be available soon, since the present Executive Officer, John Wolfe, is retiring. The position qualifications include: possession of licences as a registered geologist and certified engineering geologist in California, knowledge of principles and practices of public administration and management, including those related to program planning and evaluation, fiscal and personnel management, staff development, delegation, budgeting, executive decision making, and public relations.

The Executive Officer must possess the ability to coordinate a statewide regulatory program and evaluate complaints of technical negligence and incompetence and to provide a cursory review of reports and maps contained with the complaints. The location of the position is in Sacramento and the salary is $4,223.00 per month.

Prospective applicants should send their resume to the Board office (916) 445-1920:

Geology and Geophysics Board
1021 O Street, Room A-190
Sacramento, CA 95814

Applications will be received until 5:00 p.m. on August 31, 1990.

Applicants will be screened by the board and only the most qualified will be invited to an interview. It is anticipated that interviews will be held during October 1990.
AUGUST 1990
12-15"CONSERV 90: The National Conference and Exposition Focusing on Water Supply Solutions for the 1990s." Phoenix, AZ. CONTACT: Conserve 90, 6375 Riverside Dr., Dublin, OH 43017 (614)761-1711
12-17"IBM PC Applications in Ground Water Pollution and Hydrology: A Hands-On Short Course" Dublin, OH. Assoc. of Ground Water Scientists and Engineers (NWQA). CONTACT: NWQA (614)761-1711/P.O. Box 182039/Dept. #017/ Columbus, Ohio 43218.

SEPTEMBER 1990
19-22"Short Course - Shallow CDP Seismic Reflection Surveying" Sunnyvale, CA. EG&G Geometrics CONTACT: (408)374-6131 Myra Cretto, EG&G Geometrics, 395 Jave Drive, Sunnyvale, CA 94089
24-26"42nd Annual national Convention & Exposition of the National Water Well Assoc." Anaheim, CA. Assoc. of Ground Water Scientists and Engineers (NWQA). CONTACT: NWQA (614)761-1711/P.O. Box 182039/Dept. #017/ Columbus, Ohio 43218.
Late Sept/Early Oct. Annual Field Trip of AEG Southern California Section "Engineering Geology and Hydrogeology of the Soledad Basin". CONTACT: Bob Hollingsworth (818)889-0844 or Charlie Buckley (818)991-1542.

OCTOBER 1990
1-5"33rd Annual Meeting of the Association of Engineering Geologists" Pittsburgh, Pennsylvania. Technical sessions, three short courses, two symposia & several field trips.
1-3"Principles of Subsurface Contaminant Fate & Transport Modeling" Long Beach, CA. Assoc. of Ground Water Scientists and Engineers (NWQA). CONTACT: NWQA (614)761-1711/P.O. Box 182039/Dept. #017/ Columbus, Ohio 43218.
1-3"Theory and Practice of Ground Water Monitoring and Sampling" Long Beach, CA. Assoc. of Ground Water Scientists and Engineers (NWQA). CONTACT: NWQA (614)761-1711/P.O. Box 182039/Dept. #017/ Columbus, Ohio 43218.
4"Environmental Site Assessment Course" Long Beach, CA. Assoc. of Ground Water Scientists and Engineers (NWQA). CONTACT: NWQA (614)761-1711/P.O. Box 182039/Dept. #017/ Columbus, Ohio 43218.
22-23"Isotope Geochemistry for Professional Geologists and Engineers" Oxnard, CA. Dr. Richard W. Hurst, CSULA and Chempet Research Corp. Mandalay Beach Resort, CONTACT: NWQA (805)582-3000.
23-25"A Comprehensive Approach to Development and Protection of Ground Water" San Francisco, CA. Assoc. of Ground Water Scientists and Engineers (NWQA). CONTACT: NWQA (614)761-1711/P.O. Box 182039/Dept. #017/ Columbus, Ohio 43218.

NOVEMBER 1990
6-8"Theory and Application of Vadose Zone Monitoring, Sampling, Remediation" Las Vegas, NV. Assoc. of Ground Water Scientists and Engineers (NWQA). CONTACT: NWQA (614)761-1711/P.O. Box 182039/Dept. #017/ Columbus, Ohio 43218.
9"Environmental Site Assessments One-Day Legal Course" Las Vegas, NV. Assoc. of Ground Water Scientists and Engineers (NWQA). CONTACT: NWQA (614)761-1711/P.O. Box 182039/Dept. #017/ Columbus, Ohio 43218.

Other Local Professional Meetings Held Regularly
Coast Geological Society: Dinner meetings every third Tuesday of the month, October-June; American Legion Hall, 83 S. Palm St., Ventura, CA.
Inland Geological Society, Dinner Meeting third Thursday of each month, San Bernardino County Museum, Orange Tree, Redlands, CA Contact: Jay Martin (714)886-2422.
Los Angeles Basin Geological Society: Lunch meetings third Thursday of every month; now at Luminarias Restaurant, Monterey Park, CA.
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, CA.
South Coast Geological Society, Inc.: Dinner Meetings first Monday of each month, Revere House, 900 West First Street, Tustin, CA.
Career Opportunities For Hydrogeologists, Geologists, Civil & Environmental Engineers

Openings are available for entry and senior level Hydrogeologists, Geologists and for Civil & Environmental Engineers. Openings are available in the City of Industry office and the Newport Beach office. In addition, positions for experienced ground water and soils remediation specialists are available in offices throughout the United States. Salary is negotiable and is commensurate with experience.

CONTACT: (818) 965-6048
or send resume to:
Geraghty & Miller, Inc.
Attention: Michael Shiang
17800 Castleton St. #175
City of Industry, CA 91748

Career Opportunities For Hydrogeologists, Geologists, Civil & Environmental Engineers

Immediate openings are available at International environmental engineering firm for entry level Hydrogeologists/Geologist, Environmental/Civil Engineer in Irvine office. Position requires a BA/BS, MS preferred, interest in hazardous wastes, wastewater or water supply. Chemistry and computer background a plus. APEX, NPEX.
Please submit resume to:
Camp Dresser & McKee, Inc.
Attention: Pat Kaler
18881 Von Karman, Suite 650
Irvine, California 92715

Your ad here may help you meet some fascinating people.

Career Opportunity For Hydrogeologists, Environmental Geologists, Chemical Engineers & Geotechnical Engineers

Immediate openings are available for experienced staff and senior level candidates. Excellent communication skills required, computer literacy a plus. Salary DOE and excellent benefits.

CONTACT: (818) 965-6214
or send resume to:
Law Environmental, Inc.
3320 N. San Fernando Blvd.
Burbank, CA 91231

Career Opportunities For Geologists, Environmental Geologists/ Hydrogeologists

Openings are available for project/senior staff geologists. Requirements include a BS/MS in Geology, RC (CESWI highly desirable) and at least 4 years of experience. Responsibilities will include project management, analysis of geologic mapping and exploration and staff supervision. Openings are available for environmental geologists/hydrogeologists.
Requirements include a BS/MS in Geology and at least 4 years of experience in environmental services field.
Responsibilities will include project management, groundwater modeling experience is highly desirable. Salary is negotiable and commensurate with experience.

CONTACT: (714) 230-1421
or send resume to:
Leighton & Associates
Attention: Vicky Overly
1131 Duryea Avenue
Irvine, CA 92714

Career Opportunities For Geotechnical Engineers

Immediate openings are available in San Diego, Newport Beach and Sacramento offices. Project level, 3-5 yrs. geotechnical experience. California registration preferred. Competitive salary and benefits.

CONTACT: (815) 965-3150
or send resume to:
Owen Consultants
30065 Old Grove Road
San Diego, CA 92331

Chances are still available to hire geology, hydrogeology, and engineering geology students for valuable summer work.