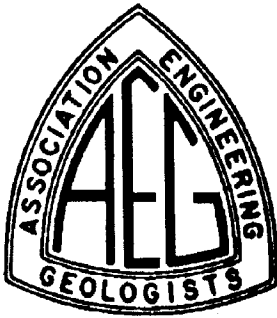


Association of Engineering Geologists

Southern California Section

NEWSLETTER - August 1990



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Dinner Meeting *Tuesday August 14th*

- The Quiet Cannon Restaruant
901 North Via San Clemente
Montebello
- Cost - \$20.00 (Full-Time Students - Free)
- For reservations call by August 10th!!!**
Marion (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

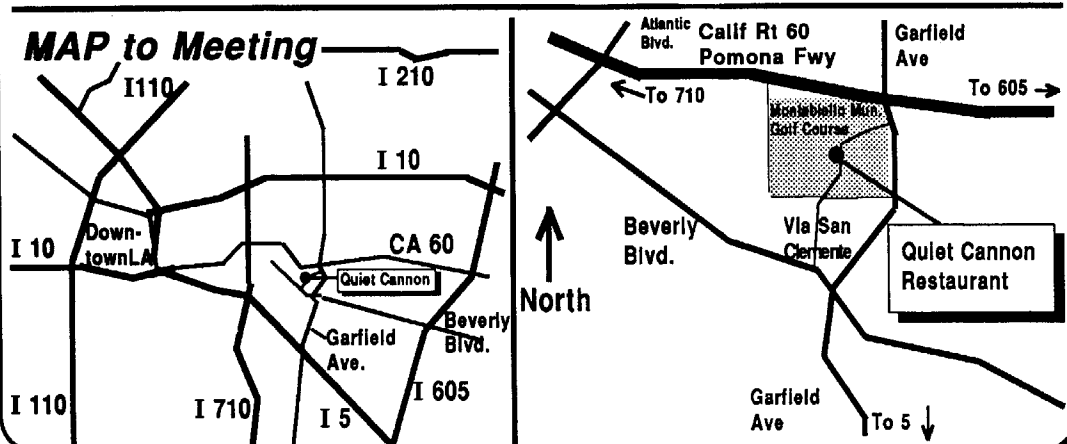
- 5:30 Social Hour
- 6:45 Dinner
7:30 Announcements
- 8:00 Program

Program

TOPIC

The 1988 Armenia Earthquake: Observations of a Disaster

SPEAKER Henri Koza - Civil/Structural Engineer
with EQE Engineering



2550 Beverly Blvd.
Los Angeles, CA 90057

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



Kelly E. Rowe
Hydrogeologist

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 Scarps 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, petrophysicists, 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 damsite 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 Mc-Calpin**, 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, tele. (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.

Seminars/Meetings/Field Trips

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 (NWWA). CONTACT: NWWA (614)761-1711/P.O. Box 182039/Dept. #017/ Columbus, Ohio 43218.

SEPTEMBER 1990

6-7"The Arizona Groundwater Management Act: Conference and Symposium Commemorating 10th Anniversary of the 1980 GW Mgmt. Act" Casa Grande, AZ. CONTACT: (602)621-7607 Mary G. Wallace, WRRC, Geology Bldg., Rm 318, U. of Arizona, Tucson, AZ 85721.

19-22"Short Course - Shallow CDP Seismic Reflection Surveying" Sunnyvale, CA. EG&G Geometrics CONTACT: (408)745-6131 Myra Crettol, 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 (NWWA). CONTACT: NWWA (614)761-1711/P.O. Box 182039/Dept. #017/ Columbus, Ohio 43218.

25-26"Ground Water flow Systems & Land Use: Relation to Quality of Shallow Ground Water." Anaheim, CA. Same as above.

24-28"Incremental Flow Modeling for Analysis of Flow and Transport Problems" Dr. O. Strack, et.al., International Ground Water Modeling Center CONTACT: Holcomb Research Ins. Butler U., 4600 Sunset Ave., Indianapolis Indiana 46208 (317)283-9519.

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 (NWWA). CONTACT: NWWA (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 (NWWA). CONTACT: NWWA (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 (NWWA). CONTACT: NWWA (614)761-1711/P.O. Box 182039/Dept. #017/ Columbus, Ohio 43218.

15-19"Multiphase Organic Transport Modeling with Emphasis on Pollution by Hydrocarbons" Dr. J. Parker, et.al., International Ground Water Modeling Center CONTACT: Holcomb Research Ins. Butler U., 4600 Sunset Ave., Indianapolis Indiana 46208 (317)283-9519.

22-23"Isotope Geochemistry for Professional Geologists and Engineers" Oxnard, CA. Dr. Richard W. Hurst, CSULA and Chempet Research Corp. Mandalay Beach Resort, CONTACT: NWWA (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 (NWWA). CONTACT: NWWA (614)761-1711/P.O. Box 182039/Dept. #017/ Columbus, Ohio 43218.

23-25"Applied Drilling Engineering for Rotary & Auger Methods/GW Investigations" Same as above.

NOVEMBER 1990

4-9"Symposium on Urban Hydrology" Denver, CO. Amer. Water Resources Assoc. (AWRA). CONTACT: AWRA (301)493-8600 5410 Grosvenor Lane, Suite 220, Bethesda, Maryland 20814-2192.

6-8"Theory and Application of Vadose Zone Monitoring, Sampling, Remediation" Las Vegas, NV. Assoc. of Ground Water Scientists and Engineers (NWWA). CONTACT: NWWA (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 (NWWA). CONTACT: NWWA (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, Orangetree, Redlands, CA Contact: Jay Martin (714)888-2422.

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

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Requirements include a BS/MS in Geology RG and 4-6 years of experience in environmental services filed. Responsibilities will include project management. Groundwater modeling experience is highly desirable. Salary is negotiable and commensurate with experience.

CONTACT: (714) 250-1421

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