Association of Engineering Geologists  
Southern California Section  
NEWSLETTER - March 1990

Dinner Meeting **Tuesday March 13th**
Annual Joint Meeting with the American Society of  
Civil Engineers (ASCE) - Geotechnical Group

- The Quiet Cannon Restaurant  
  901 North Via San Clemente  
  Montebello
- Cost - $20.00 (Full-Time Students - Free)
- For reservations call by March 9th  
  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**  
California Earthquakes & Crustal Deformation: The Emerging Role of Geodetics

**Speaker** Prof. David D. Jackson - Seismologist  
Dept. of Earth and Space Sciences at UCLA

**MAP to Meeting**
2550 Beverly Blvd.  
Los Angeles, CA 90057
Program

Topic & Speaker

California Earthquakes and Crustal Deformation: The Emerging Role of Geodetics
Prof. David D. Jackson

Prof. David D. Jackson will speak about his primary research interest: the relationship between earthquakes and plate tectonics, and how to quantify earthquake hazard in California using geodetic measurements of ground deformation. Geodetic measurements are continuing to become more precise and accurate. Their use will increase our understanding of physical changes of the earth.

Prof. Jackson is a seismologist, teaching in the Department of Earth and Space Sciences at UCLA since 1969. His research interests run from serious things like mathematical inference methods to ridiculously optimistic efforts such as earthquake prediction. He is the Secretary of the Seismology Section of the American Geophysical Union, a member of the California Earthquake Prediction Evaluation Council, which advises the California Office of Emergency Services concerning earthquake risk. He is perhaps best known to the public for setting earthquake prediction research back 10 years by discovering that the infamous "Palmdale Bulge" never did: it was the result of survey error.

THIS MONTH

March 1990

Kelly E. Rowe
Hydrogeologist

The meeting this month, Tuesday - the 13th, is the AEG SCS Annual Joint Meeting with the ASCE-Geotechnical Group. The topic of the program is the emerging role of geodetics toward monitoring California earthquakes and crustal deformation, discussed by Prof. David Jackson, from UCLA.

Next month Robert Schuster, with the USGS, will speak about "Landslide Dams: A World-Wide Geologic Hazard". Robert is presently studying landslide dams in Tibet.

Please note that the MAY 1990 AEG SCS meeting will be held at the Odyssey Restaurant, at 15600 Odyssey Drive, in Granada Hills. It is in the north-central San Fernando Valley area, along CA 118, west of the 5 and 405 interstate highways. The selection of this site for the May meeting is to provide a more convenient location to meet for the AEG members living in the western and northern Southern California Section area. It is obviously difficult for members working in the Santa Barbara, Ventura or Bakersfield areas to come to meetings at the Quiet Cannon Restaurant, in Montebello. A similar relocation of the monthly meeting will occur in September at a restaurant in southern Orange County, to attract San Diego and Orange County AEG SCS members.

Last month, Wade Wells, with the U.S. Forest Service's Forest Fire Laboratory in Riverside California, spoke about the role of fire in erosion processes and debris flow generation. Wade showed a series of slides describing these processes and also showed experiments on and evidence of the action of erosion. Following his talk, a video tape was shown documenting their experimental work in the San Gabriel Mountains inducing debris flows. Wade said that about 90% of debris flow problems occur within the first year following a fire. Slopes will "repair themselves" within 1 to 3 years following a fire. One of the erosion process concepts Wade spoke about was the "non-wetted layer", a water repellent soil
horizon developed as a result of partially decomposed, burned vegetative matter on slopes. This is the organic residue of the fire penetrating a few inches into the soil.

In regard to erosion control, Ed Kiesling, from the CDMG LA office, came to the February meeting with a copy of "Erosion and Sediment Control Handbook". It is a publication of the California Dept. of Conservation Resources Agency from May 1981 (reprinted). It is free upon request and can be obtained by writing to: Dept. of Conservation - Office of Land Conservation, 1516 9th St. (#400) Sacramento, CA 95814.

Robert Larson, AEG member with LA County PWD, sent the following article from the "Malibu Surfside News" December 28, 1989 "Sheriff's Report" column. It gives one pause for thought when planning to perform work in remote areas for unfamiliar clients.

Surveyor's Struggle
The victim, a geological engineer, told deputies he was contacted by a man who alleged he was in need of a geological surveyor to make a survey of what he said was his property off Mulholland Highway. When the victim arrived at the appointed time and place to meet the man, a person (the suspect) approached and identified himself as a representative for the property owner. He then led the victim down a dirt road to the supposed site for surveying, the victim recounted. The victim observed that the suspect was wearing white biking gloves and carrying a wood stick. Suddenly, the victim said, he felt a sharp blow to the back of his head and he fell to the ground. The suspect allegedly struck him several more times on his back. Thinking the suspect was going to kill him, the victim began to fight back. But the suspect forced him down onto his back and held the stick pressed to his throat, to the point of strangulation, causing the victim to nearly lose consciousness. The suspect allegedly told the victim to give his wallet to the suspect, who released his hold, threw the stick into some nearby bushes and walked away instructing the victim not to move or he would shoot him, although the victim never saw a gun.

Waiting a few minutes, the groggy, aching victim got up, took a rock for protection and headed to the road. When he reached the highway, the suspect and his motorcycle were gone. The victim flagged down a passing vehicle driven by Department of Water and Power employees, who contacted emergency personnel. The victim was treated and transported to a hospital where doctors administered to a 3 1/2 " laceration on the top rear of his head. Deputies found the weapon at

the crime scene along with a pair of sunglasses belonging to the suspect as identified by the victim. There were several puddles of blood on the ground and evidence of a struggle. The suspect was tracked to a location, but deputies were told he had moved. They were told his real estate agent might know his whereabouts, but she was on vacation for two weeks. The victim's secretary was unable to provide a return telephone number for the man the victim was supposed to meet.

The Geology Alumni Assoc. from San Diego State Univ. (SDSU) will hold their 4th Annual Alumni Assoc. Banquet - Mexican Cuisine & Dancing to Live Music For reservations or if you need additional information call Eugenia Sangines (619) 541-0883 (by March 15). Or write to Eugenia c/o Dames & Moore, 9665 Chesapeake Drive, Suite 360, San Diego, CA 92123.

The Dibblee Geological Foundation has set Saturday, May 5th, as the date for "A Day in the Field with Tom Dibblee in the Santa Monica Mountains". The foundation is asking for a minimum donation of $35.00 per person. The left-over proceeds from this event will be used to publish additional geologic maps of the current Dibblee - Santa Monica Mountains series. The previous "Day in the Field with Tom Dibblee" was a great success for all participants. For reservations please contact, by April 20th, John R. Powell (805) 653-5356 or write to John, c/o Staal, Gardner & Dunne, Inc., 121 North Fir St., Suite F, Ventura, CA 93001. Helmut (805) 968-0481 is also a contact for this event.
Seminars/Meetings/Field Trips

MARCH 1990
14‘AE
g So. Calif. Section - Monthly Meeting in San Fernando Valley’
14-18‘Hands-on 5-day Laboratory May 19-24’ Rolla, MO. Univ. of Missouri at Rolla Continuing Education (UMRCE). CONTACT: UMRCE (600)752-5057
18-21‘Presentation of Papers & Field Trip for: Mojave Desert Quaternary Research Symposium ’ The Mojave Desert Quaternary Research Center San Bernardino County Museum. CONTACT: (714) 856-8700, Jennifer Reynolds, Editor LMDQRC San Bernardino County Museum, 224 Orange Tree Lane, Redlands, CA 92374

JUNE 1990
12-13‘Short Course - Magnetometer Surveying’ Sunnyvale, CA. EG&G Geometrics CONTACT: (608)734-4614 Myra Crettol, EG&G, Geometrics, 395 Jave Drive, Sunnyvale, CA 94089

AUGUST 1990
12-15‘CONSERV 90: The National Conference and Exposure Focusing on Water Supply Solutions for the 1990s’ Phoenix, AZ CONTACT: Conserv 90, 6375 Riverside Dr., Dublin, CA 94017 (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 (NWAWA). CONTACT: NWWA (614)761-1711/P.O. Box 182039/Dept. #017 Columbus, Ohio 43218

SEPTEMBER 1990
10‘AE
g So. Calif. Section - Monthly Meeting in Southern Orange County’
19-22‘Short Course - Shallow CDT Seismic Reflection Surveying’ Sunnyvale, CA. EG&G Geometrics CONTACT: (608)734-6131 Myra Crettol, EG&G Geometrics, 395 Jave Drive, Sunnyvale, CA 94089

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.

NOVEMBER 1990
1-8‘Theory and Application of Vadose Zone Monitoring, Sampling, Remediation’ Las Vegas, NV. Assoc. of Ground Water Scientists and Engineers (NWAWA). 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 (NWAWA). CONTACT: NWWA (614)761-1711/P.O. Box 182039/Dept. #017 Columbus, Ohio 43218

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, 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 1st 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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Positions Available
Advertisements for Student & Part-Time "Positions Available" are Welcome. There is no charge for advertisement.

Career Opportunity For
Hydrogeologists, Geologists, Civil & Environmental Engineers
Openings are available for entry level (0-4 yrs experience) Hydrogeologists, Geologists and for senior level 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) 963-4048 Tom Sheahan-Industry or (714) 474-9344 Jim Norman-Newport Beach or send resume to:
Geraghty & Miller, Inc.
Attention: N. Thomas Sheahan
17800 Castleton St. 91731
City of Industry, CA 91748

Career Opportunity For
Geotechnical/Civil Engineer
Immediate openings are available for a California registered candidate with 5 to 10 years experience. Projects will include but not be limited to landfill design and construction which entails liner systems, surface and subsurface drainage, and pipeline design. Also, future possibilities may include setting up a soil testing laboratory and remediation systems design. Excellent communication and writing skills required, hydrology experience a plus.

CONTACT: (818) 888-0214 or send resume to:
Law Environmental, Inc.
3330 N. San Fernando Blvd.
Burbank, CA 91504
Attention: J. Johnson

Career Opportunity For
Senior Hydrogeologist/Asst Environmental Scientist
Management and staff level positions are available in the Burbank office. Salary is negotiable and is commensurate with experience. Management positions requirements: California registrations, 5 to 10 years of experience, excellent communication and supervisory skills. Computer literacy a plus.

CONTACT: (818) 468-0214
or send resume to:
Law Environmental, Inc. (same address as above)

Career Opportunity For
Geoenvironmental Project Managers
Openings are available for Geoenvironmental/Waste Management Project Managers in Ventura, Los Angeles, and Sacramento offices. Duties will include development and management of environmental assessment, soil and groundwater contamination/remediation projects. Requirements are a record of successful project development and management; B.S or M.S degree (preferred); 3+ years experience; registration and excellent technical and communication skills. Salary is negotiable and is commensurate with experience.

CONTACT: (805) 644-5535 or send resume to:
McClelland Consultants
Attention: Michael R. Fossessel
2140 Eastman Avenue
Ventura, CA 93003

Career Opportunity For
Senior Engineering Geologist
Opening is available for a Senior Engineering Geologist. Duties will include planning and supervision of comprehensive engineering geological studies and be the Senior Consultant on complex multi-disciplinary projects. Requirements are M.S degree, 5+ years experience C.E.G. and excellent technical and communication skills. Salary is negotiable and is commensurate with experience.

CONTACT: (805) 644-5535 or send resume to:
McClelland Consultants (same address as above)

Career Opportunities For
Engineering Geologists
Several positions are available in the Riverside County Planning Department. Current Opening: Special Projects Division. Successful candidate would perform geological research and analysis for environmental impact statements and the seismic safety and other safety elements of the County General Plan. Duties would include, for example: review of outside reports and assistance to other County departments as needed. Qualification: Bachelor's degree in geology or engineering geology. Selection procedure: Applicants who meet the minimum requirements will be referred to the department for employment consideration. Monthly salaries range for the following positions from Assistant Eng. Geol.-Registered (CEC): $3,178 to $5,938; Assistant Eng. Geol., $3,012 to $3,731; Jr. Eng. Geol., $2,691 to $3,334.

CONTACT: (714) 797-6125 or send resume to:
Riverside County Personnel Dept.
County Administrative Center
4080 Lemon Street, Room 109
Riverside, CA 92501-3644

Career Opportunity For
Hydrogeologists/Geologists & Environmental Engineers
Openings are available for entry level through senior level Hydrogeologists, Geologists and Engineers. Environmental experience should include proven field experience in USJ programs, site characterization, remedial action plans and/or feasibility studies for soil and ground water contamination. Requirements are a record of successful project development and management. Excellent verbal and written skills required. Advanced degree preferred. Competitive salary. Send resume to:
Converse Environmental West
Attention: J. A. Campbell
67 W. Bellevue Dr., Pasadena, CA 91105

Career Opportunity For
Staff Geologists
Openings are available for staff level positions in the engineering geology department of the San Bernardino office. Requirements include a bachelor's degree in Geology, approximately 2 years of experience in engineering geology (understanding of mass grading a plus), and writing and communication skills. Salary is negotiable and commensurate with experience.

CONTACT: (714) 889-8004
or send resume to:
Converse Consultants Inland Empire
Attention: David R. Simon
630 E. Brier Drive, Suite 100
San Bernardino, CA 92408

Career Opportunity For
Geologist/Hydrogeol./Eng.
Opening is available for a project level Geol./Hydrogeol./Eng. with 3 to 5 years experience to direct field operations for characterization of contaminated sites. Strong candidate will have detailed knowledge of drilling, sampling, and installation of ground-water monitoring wells, excellent communication skills and be computer literate with writing skills. Salary is negotiable and is commensurate with experience.

CONTACT: (714) 541-9333
or send resume to:
Remedial Action Corp.
Attention: David A. Sunsera
505 N. Tustin Ave., Suite 160
Santa Ana, CA 92705

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AEG Los Angeles 1992