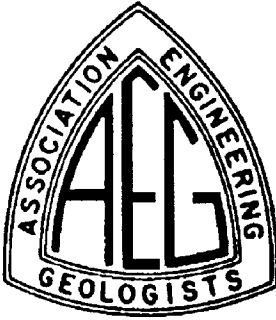


Association of Engineering Geologists

Southern California Section

NEWSLETTER- October 1991



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1470 S. Valley Vista Dr. #150
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2550 Beverly Blvd.
Los Angeles, CA 90057

Dinner Meeting *Tuesday October 8th*

- The Quiet Cannon Restaurant
901 North Via San Clemente
Montebello
- Cost - \$20.00 (Full-Time Students - Free)
- Make reservations by Friday October 4th!!!**

Grace (Leighton & Associates) 714-860-7772
(Leave Your Name & Number of People in Your Party)

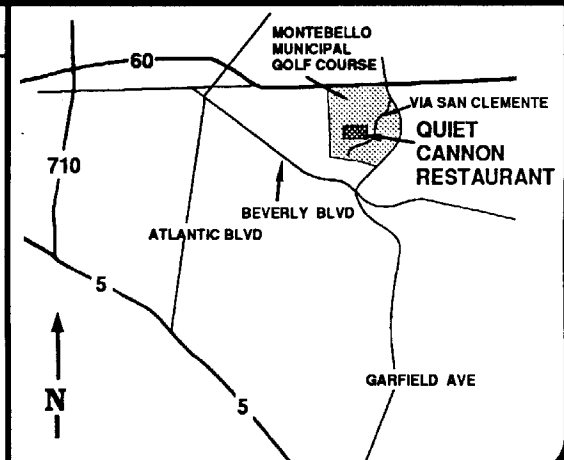
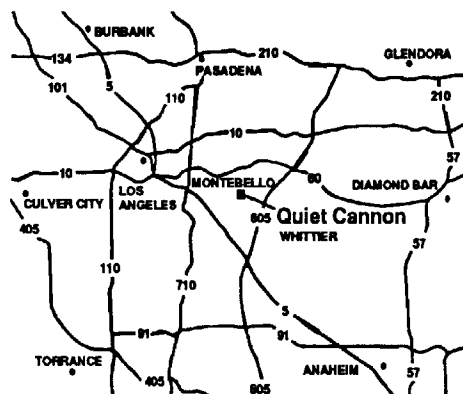
- 5:30 Social Hour
- 6:45 Dinner
- 8:00 Program

Program

Mount Pinatubo Eruption Event 1991 by Jim Mori, Ph.D., Seismologist with USGS Hydrogeologic Investigation of Chlorinated Solvent Contamination in Anaheim/Fullerton

by Roy Herndon, Hydrogeologist with
Orange County Water District

MAP to Meeting



PROGRAM Topics & Speakers

Mount Pinatubo Eruption Event 1991

Jim Mori, Ph.D. - Seismologist with the US Geological Survey, Pasadena, CA

The Mt. Pinatubo eruption event was the second or third largest in this century; several times larger than the Mt. St. Helen's event in 1980. Television coverage provided impressive evidence of the volume of ash and debris that was ejected. The implications of this event on the short- and long-term world-wide weather patterns remains to be seen.

The USGS monitored the activity of this event in the Philippines. Dr. Mori was part of a team of scientist stationed to monitor aspects of the event. During his one-month stay at Mt. Pinatubo, he monitored the seismicity and the evidence of the destruction of the event. Dr. Mori will present a chronology of the seismic history of the event and provide first-hand views of life before, during and after the eruption.

Dr. Mori has a Ph.D. in Geology from Columbia University. He has been with the USGS for the last 3 years as a seismologist in their Pasadena office, and was previously with the Ribal Volcanic Observatory in New Guinea for 3 years.

Hydrogeologic Investigation of Chlorinated Solvent Contamination in Anaheim/Fullerton

Roy Herndon - Hydrogeologist with the Orange County Water District, Fountain Valley, CA

The ground water contained beneath the Orange County Coastal Plain has evidence of contamination from chlorinated organic chemical compounds. The extent and severity of the problem has not been considered as critical as the problem evident in the San Gabriel Basin or San Fernando Basin Superfund areas. The Orange County Coastal Plain is fortunate to have a significant thickness of clays and silts over most of the county near the ground surface that prevents

downward migration of contaminants to the potable ground-water supplies. The Anaheim/Fullerton area, however, has sands and gravels near the surface that allow contaminants from industrial activities to migrate to the local ground-water. Several municipal water wells in this area have experienced elevated concentrations of chlorinated organic chemical compounds from these industries.

The Orange County Water District has taken an aggressive approach to investigating the areal and vertical extent of this problem. This includes the construction and testing of many monitoring wells and the compilation and evaluation of ground-water quality data from all wells located throughout Orange County. The Phase I investigation report for the Anaheim/Fullerton area was recently completed and identifies specific areas to focus future phases of work. Conclusions from the Phase I investigation will be presented along with a discussion on subsequent phases of investigative work and potential remedial activities.

Roy Herndon is a Project Hydrogeologist and Co-Head of the OCWD Geology Department. Mr. Herndon has a BA in Geology from Colorado College and an MS in Hydrology from the U. of Arizona. He has over six years of experience in hydrogeology; three years in private consulting and three years with OCWD. He is lead hydrogeologist for the Anaheim/Fullerton chlorinated solvent contamination investigation.

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.

ADDITIONAL NOTES ON THE 1991 ANNUAL AEG FIELD TRIP

In last month's newsletter we printed the names of several individuals and companies who contributed to the success of the field trip. Unintentionally, several people were left out of the credits. These include:

Speakers: Roy Shlemon

Guides: Bill Cavan and Chuck Swift .

Companies: Gorian & Associates

To them, and to all the other volunteers that made this field trip possible, **THANK-YOU**.

In addition, Rob Larson, Field Trip Committee Chairman, says he has a light tan jacket that someone must have by now given up as lost. If it is yours, you can claim it by calling Rob at (818) 458-2979. Finally, Rob is also requesting ideas for next year's field trip! Perhaps in the San Bernardino or Riverside areas?

FIVE NEW GEOLOGIC MAPS FROM THE DIBBLEE FOUNDATION

The Dibblee Geological Foundation has recently published five new geologic maps covering six 7-1/2-minute quadrangles. Four of these new maps cover parts of the Santa Monica Mountains and the San Fernando Valley. They are: the Hollywood and south 1/2 of the Burbank Quadrangles; the Beverly Hills and south 1/2 of the Van Nuys Quadrangles; the Sunland and north 1/2 of the Van Nuys Quadrangles; and the San Fernando and north 1/2 of the Van Nuys Quadrangles. The Piru Quadrangle, in eastern Ventura County, was also published. These new maps, as well as the previously published Dibblee Foundation maps can be purchased for \$10.00 each at the downtown LA office of the CDMG (107 N. Broadway, Los Angeles, 213-620-3560); from the Dibblee Foundation Sales Contractor, (E.R. Blackley, 958 Isleta Avenue, Santa Barbara, CA 93109), or from Dick Brown (Vice President, Dibblee Geological Foundation, Care of U.S. Geologic Services, 296 College Park Drive, Seal Beach, CA 90740; 213-598-0595, FAX 213-598-5658).

The Dibblee Foundation has, since its funding in 1983, published 34 full-color geologic maps, covering 45 7-1/2 minute quadrangles. This represents about 2750 square miles of quality published maps in its 8-year life. The value of Tom Dibblee's geologic maps is undeniable, as any geologist who has worked in California knows. For over 60 years now, Tom Dibblee has steadily been covering the hills and valleys of the state, plotting contacts between the different rock units, and determining the structural relationships. He has now mapped about 1/3 of the state, however,

only a small percentage of his many maps has been published. The Dibblee Foundation was formed to make Tom's outstanding work available to geologists and the public. You can help by encouraging your company to make a yearly contribution to this very worthy effort. Individuals can help too, by buying the maps and also making contributions to help publish these beautiful full-color geologic maps. The Foundation plans to publish several more of the Santa Monica Mountains quadrangles in the near future, but this can only be done when, and if, funds are available. Call Dick Brown, and he will be glad to give you any details about the foundation and how you can make a contribution.

CONTRIBUTION TO GSA'S TOP SENIOR FUND PROGRAM

We are pleased to announce that the Southern California Section of AEG recently donated \$200 to the Geological Society of America's 1991 Top Seniors Fund. This program sponsors top-notch undergraduate students in geology to the 1991 Annual meeting in San Diego this month. Although it is too late to get mentioned in the credits printed as part of the meeting's program, if you or your firm would like to sponsor a student, you can contact Kathleen Ohmie-Lynch of GSA at (303) 447-2020, or send a check care of Ms. Ohmie-Lynch to GSA, 3300 Penrose Place, P.O. Box 9140, Boulder, CO 80301-9140. The check should be made to GSA-Top Seniors Fund.

DATA NEEDED FOR THE PREPARATION OF A GEOLOGIC MAP FOR THE CITY OF MALIBU

All geologists who work in Malibu are invited to place data that they have acquired onto geologic base maps to be edited by Donald B. Kowalewsky, Malibu City Geologist. A workshop to do so has been organized for Saturday, November 9, 1991, starting at 10 a.m., at the Michael Landon Community Center, in the Malibu Bluffs Park located at the corner of Pacific Coast Highway and Malibu Canyon Road. Among those expected to attend this workshop include:

- Russ Campbell, U.S.G.S.;
- Jerry Treiman, Division of Mines and Geology;
- Robert Thomas and John Ege, Los Angeles County Geologists; and
- Thomas Dibblee and Helmut Ehrenspeck, Dibblee Geological Foundation.

All attendees will be given a free copy of the map upon completion of editing.

Please RSVP to:

Donald B. Kowalesky
22933-C Pacific Coast Highway
Malibu, CA 90265
(213) 456-1012

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Please use the services of these members and businesses. Their advertisements help pay the publication costs of the newsletter.

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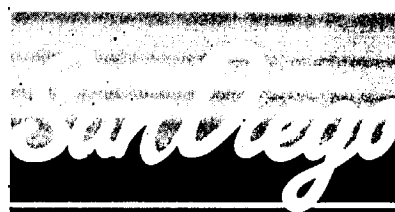
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GEOLOGICAL SOCIETY OF AMERICA



GSA 1991

1991 ANNUAL MEETING

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October 21-24*

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Positions Available

Ads in this section are welcome at no cost.

Job Opening for a Senior Engineering Geologists for the City of San Diego

Requirements: Certification as an Engineering Geologist with the California Board of Registration. Candidates must submit a copy of their certification at the time of application.

Education and/or experience in geotechnical engineering and knowledge of the geological characteristics of the San Diego area are highly desirable. Senior Engineering Geologists work in the City's Building Inspection Department and Engineering and Development Department. Duties include review building permit applications to determine the necessity and extent of geological evaluation needed; review submitted geological reconnaissance and investigative reports; evaluate proposed geological hazard mitigation measures; resolve investigation, report or mitigation disputes; review building and land development plans to ensure that designs include the proposed measures necessary to mitigate geologic hazards; visit project sites as necessary to identify or verify the existence of geological hazards; advise engineering geologists, engineers, architects, contractors and property owners of the City's geologic hazard requirements; update geologic hazard maps; prepare reports; and maintain records of geological reports, studies and data.

Salary: \$4115-\$4978 monthly, \$49,380-\$59,736 annually. Salary includes 10% additional pay for registration as a Geologist and certification as an Engineering Geologist with the State of California.

Apply: **Employment Information Center,**
City Administration Building, Lobby 202 C Street,
San Diego, California 92101-3861,
or contact Mr. Edward L. Spicer, Deputy Director,
Building Inspection Department @ (619) 236-6463.

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

Geotechnical Opportunities

Leighton and Associates, a leading geotechnical and environmental consulting firm has career opportunities available in their Los Angeles Region for projects in the West San Fernando Valley area and Ventura County for projects involving site and hillside development, planning and public works facilities.

PROJECT/SENIOR PROJECT GEOTECHNICAL ENGINEER

Minimum eight years experience in project management, field supervision, proposal preparation and client contact. Advance degrees preferred, registration required (PE).

STAFF GEOLOGIST

Degreed geologist with minimum 2 years experience in field investigation, data review and analysis, and report preparation.

Leighton and Associates offers a competitive wage and benefits package. Candidates should submit resumes to:

LEIGHTON AND ASSOCIATES
2121 Alton Parkway
Irvine, California 92714

Environmental Opportunities

Leighton and Associates, a leading geotechnical and environmental consulting firm has career opportunities available in Los Angeles and Orange Counties:

PROJECT/SENIOR PROJECT ENVIRONMENTAL SPECIALIST

MS/PhD in Geology or Engineering and a minimum of eight years of environmental experience as well as professional registration (RG or PE) required. Candidates must also have applied expertise in project management, field supervision, report and proposal preparation, regulatory agency contacts and business development.

Leighton and Associates offers a competitive wage and benefits package. Candidates should submit resumes to:

LEIGHTON AND ASSOCIATES
2121 Alton Parkway
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Career Opportunities for mid-level geotechnical an/or Environmental Geologists and Engineers

Converse Consultants, a leading geotechnical, Environmental and Materials Engineering firm in California is presently interviewing for Project and Senior level geologists and engineers for the Inland Empire office, located in San Bernardino, California.

The positions require a minimum of 4 to 5 years of individual or combined experience in the Geotechnical or Environmental Engineering consulting field. Applicants should have BS degree in geology, geohydrology, civil engineering or related discipline. Written and verbal communications are mandatory and registration is preferred (RG/CEG/RCE/GE). Qualified candidates should submit resumes in confidence to:

Converse Consultants
630 E. Brier Drive, Suite 100
San Bernardino, California 92408
Attention: David Simon

SHORT COURSE ANNOUNCEMENTS:

California Registration Exam Review Courses and Study Manual: REG Review, Inc. offers review courses in the southern California area to prepare for the California Geology Registration and Engineering Geology Certification exams. Review courses concentrate on problem-solving skills in the fields of structural geology, map interpretation, hydrogeology, and engineering geology. Other topics covered are given less emphasis. For REG Review, Inc.'s 1991 brochure giving the course schedules and Study Manual ordering information, CONTACT: Patti Osiecki, President, @ (415) 852-9099, or Lisa Dirth (Vice-President), @ (415) 339-3771, or write to REG Review, Inc., 6555 Oakwood Drive, Oakland, California 94611.

Fall Seminars on Soil Compaction Techniques in Fresno, Anaheim, Van Nuys, Sacramento and Concord, California, presented by Bender & Associates. For more information contact Bender & Associates at E. 3820 Broadway, Spokane, Washington 99202 (509) 534-1426.

Seminars/Meetings/Field Trips

OCTOBER 1991

September 30 -October 4 34th Annual AEG Meeting, Exposition and Field Demonstrations, "Environmental and Geotechnical Challenges for the Decade", Pheasant Run Resort, St. Charles (Chicago), Illinois. **CONTACT:** AEG, MEMS, One Northgate Square, Suite 211, P.O. Box 270, Greensburg, PA 15601. (800) 343-5129, (800) 441-1674.

11-13 Rocky Mountain Friends of the Pleistocene Field Trip: Quaternary Geology of Lake Boneville in the Sevier Desert, near Delta, Utah. **CONTACT:** Richard Van Horn, U.S. Geological Survey, Box 25046, MS 966, Denver, CO 80225. Send a self-addressed stamped envelope to receive Final Announcement.

21-24 1991 Annual Geological Society of America Meeting in the San Diego Convention Center. The meeting will emphasize environmental geology. **CONTACT:** GSA @ (800) 472-1988.

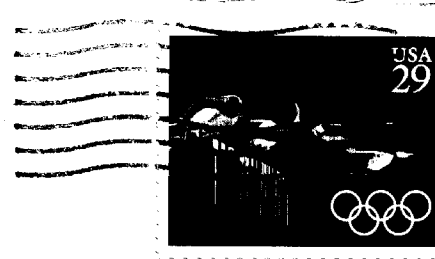
NOVEMBER 1991

12-15 1991 Western States Seismic Policy Council, in Santa Fe, New Mexico. The theme of the conference is "Strategy for earthquake damage reduction in low-moderate risk states: Impact of executive order 12699 (Seismic Safety of Federal and Federally Assisted or Regulated New Building Construction). **CONTACT:** David W. Love, WSSPC Conference, New Mexico Bureau of Mines and Mineral Resources, Socorro, NM 87801, (505) 835-5146.

FEBRUARY 1992

10-14 Sixth International Symposium on Landslides, in Christchurch, New Zealand. The symposium is co-sponsored by the International Society for Soil Mechanics and Foundation Engineers, and the International Association of Engineering Geologists. **CONTACT:** David H. Bell, Geology Department, University of Canterbury, Christchurch, New Zealand, Phone: (64-3) 642-717 or 677-001. FAX: (64-3) 642-999.

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