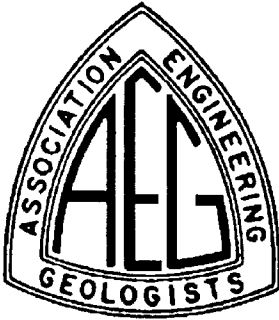


Association of Engineering Geologists

Southern California Section



NEWSLETTER- May 1991

Eldon Gath
Chairman
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(818) 965-4874

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(714) 474-9344 or
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(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 *Monday May 6th* *Joint Meeting with South Coast Geological Society*

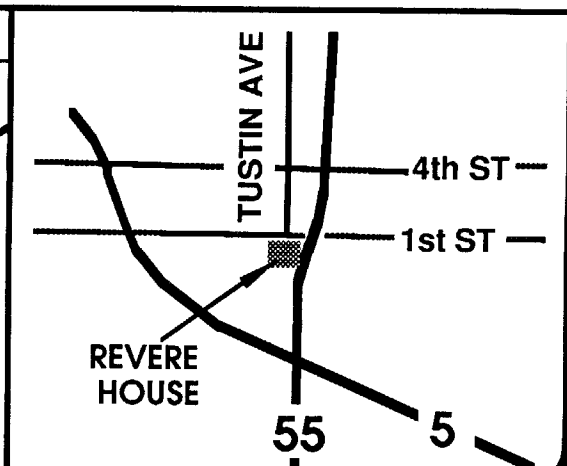
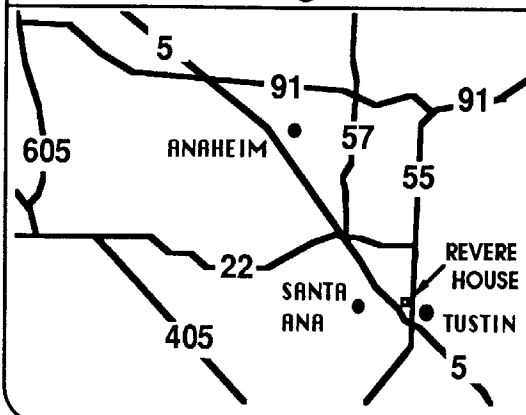
- Revere House**
901 First Street (adjacent to the 55 Freeway)
Tustin
- Cost - \$19.00**
- Make reservations by Thursday May 2nd!!!**
Grace (Leighton & Associates) 714-860-7772
(Leave Your Name & Number of People in Your Party)
- 6:00 Social Hour**
- 7:00 Dinner**
- 8:00 Program**

Program

TOPIC Southern California Areal Mapping Project (SCAMP)

SPEAKER Doug Morton, Geologist with
United States Geological Survey

MAP to Meeting



PROGRAM

Topic & Speaker

Southern California Areal Mapping Project

Doug Morton, Geologist,
United States Geological Survey

The U.S. Geological Survey and California Division of Mines and Geology are conducting the Southern California Areal Mapping Project (SCAMP). The project includes geologic mapping and data compilation at 1:24,000 and 1:100,000 scales for 19 quadrangles. The approximate area of SCAMP is bounded by Santa Maria on the north, San Diego on the south, Pacific Ocean on the west, and Barstow-San Bernardino Mountains- Eagle Mountains-Chocolate Mountains on the east.

Each SCAMP quadrangle will be completed at 1:100,000 scale and will include four data sheets: geology, gravity, aeromagnetism, and seismicity. Some quadrangles may include annotated faults and landslides. To date, one quadrangle has been compiled; two to three additional quadrangles will be completed in September, 1991.

Doug Morton is coordinator of SCAMP. He has been a geologist with the United States Geological Survey for 20 years. Prior to joining the USGS, he worked for the California Division of Mines and Geology. He is also an adjunct professor at the University of California, Riverside.

LAST MONTH'S MEETING

Dr. Burt Slemmons, professor emeritus at the Mackay School of Mines in Reno, Nevada, was the speaker at the April meeting. Dr. Slemmons used slides of the same area taken at different times of the day and year to illustrate the usefulness of low-sun angle aerial photography in identifying fault scarps, liquefaction-prone areas, and other features. The best time to study faults is generally in the first 1-1/2 hours after sunrise or within the last 1-1/2 hours before sundown. Based on years of experience, Dr. Slemmons has found that shadow effects are most effective in delineating faults, while highlighting effects are best suited to paleoseismic studies of tectonic-related fractures and fault scarps. Low-sun angles occur when the sun is 5 to 25 degrees over the horizon.

SPONSORS FOR THE 1992 AEG MEETING IN SOUTHERN CALIFORNIA

As a reminder, the Southern California Chapter of AEG is hosting the 1992 National Meeting. The hosting section (that is us!) is responsible for obtaining exhibitors and sponsors to fund various auxiliary functions and support activities. We are in need of sponsor contributions from the local geologic community (that is you!). Your contributions will assure a successful national meeting. Call Greg Rzonca at Converse Consultants Inland Empire (714-889-8004) to discuss your contribution.

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 Robert Larson at (818) 458-4923.

MEMBERS NEWS

Larry Cann is writing a paper on "Major Landslide Repairs" for the Special Publication "Engineering Geology in Southern California, Volume II" that will be available at the 1992 National Meeting. He is looking for good reference materials regarding unique, state-of-the-art techniques that may have been utilized by engineering geologists and geotechnical engineers to remediate landslides in southern California. If you have worked on a special project of this nature, and would like to get a summary of the project in print, contact Larry Cann at (714) 250-1421, or send him a small description of the project (high-quality photographs of the project would also be ideal), care of Leighton and Associates, 2121 Alton Parkway, Irvine, CA 92714.

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

MEETING OF AEG'S BOARD OF DIRECTORS

AEG's Board of Directors will be meeting on April 19-21, 1991 in Chicago. Several items will be brought to vote at this meeting, among them:

1) Association name change. AEG is considering changing the name of the Association to "Association of Engineering, Environmental, and Ground Water-Geologists". As part of the proposal, AEG would keep the logo and the AEG initials intact. Approval to change the name of the Association will require a vote by the full membership. A ballot on the issue may be attached to the officer election ballot in August of this year.

Response to this proposal has been mixed; several comments in support of, or against a name change have been submitted to the Council members. Those in favor of the change submit that a new name acknowledges the activities that most members are presently engaged in; that the proposed name would more easily explain what the Association and its membership are all about; that it could stimulate growth in membership by attracting professionals who may not realize that AEG also serves them, and by giving the Association a stronger identity that would help in current registration, meeting growth and publication activities.

Those against the change generally contend that this is an issue over semantics; that a change in name does not address the right problem, and that AEG needs to become more visible. There is also the concern that we may be overextending ourselves by trying to become an umbrella society to too many kinds of professionals.

These comments are similar to the comments that developed from the discussion of this issue at the April 9th meeting of the Southern California Section. Most people at the meeting who opposed a change in name, and this was roughly 80% of the attendees, suggested that AEG needs to address more ground water and hazardous waste related topics at meetings, and in Association publications, if we want to be of value to the growing number of "environmental and ground-water" geologists.

If you have any specific comments for or against this name change proposal, contact Eldon Gath at (714) 860-7772 before April 18, when he leaves for the Board of Directors meeting.

2) Participation of AEG in the Geoenvironmental Forum. The Geoenvironmental Forum is a multi-society group in its initial stages of formation that developed from ASFE's concerns regarding the quality of practice in the environmental field, particularly with preliminary site assessments, and also regarding the proliferation of "certification" programs offered by private groups ("institutes"). The Forum, composed of professional engineering, geological and related scientific societies, (such as ASFE, HWAC, AGWSE, AIPG and AEG; other associations will also be invited), will have as initial goal to determine the status of practice standards and qualification criteria for those who work in the environmental field. If deemed inadequate, the

Forum will then intend to take the lead over politicians, governmental agencies, or other commercial interests in developing standards of practice and qualification criteria. AEG's involvement would be as a member society; participation would carry some time and financial commitments as yet to be defined.

ENGINEERING GEOLOGY WORKSHOP FOR STUDENTS AND TEACHERS

The Southern California Section of AEG is planning a one-day student workshop on **April 27, 1991**, at the campus of the California State University (**Physical Sciences Building, Room # 158**), Los Angeles. The purpose of the workshop is to expose students and earth science teachers to some of the many facets of a career in engineering geology. Top southern California engineering geologists will discuss various topics, including hazardous waste studies, consultation on complicated hillside projects, geotechnical studies for major projects, and evaluation of distressed properties. Legal and academic aspects of the profession will also be discussed, and students will be presented with information regarding a career in engineering geology, including salary data. The workshop organizers hope to add to the education of local geology students by presenting discussions not normally included in school curricula.

Attendees are required to register for the workshop at 8:30 a.m. The seminars will begin at 9:00, and end at 3:00 p.m., with a break for lunch around noon. Free parking will be provided in the faculty lot, located immediately underneath the Physical Sciences Building.

Due to the generosity of local sponsoring engineering geology firms, the workshop will be presented at no cost to interested students and teachers. Lunch will be provided. If you are a student or earth-science teacher and you are interested in attending this workshop, please contact David Grover (c/o Grover-Hollingsworth and Associates, Inc., 31129 Via Colinas, Suite 707, Westlake Village, California 91362 (818) 889-0844). They need to know the number of attendees so that arrangements for food can be made. This is a wonderful opportunity for local geology students. If you know someone who could benefit from this workshop, **please tell him/her about it!**

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 Booths 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

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

The Sacramento Section of AEG in
conjunction with Brown and Caldwell and
the State Water Resources Control Board
presents

California's Water Outlook in the 1990's

California faces important water related issues in the 1990's. Population growth, the continuing drought, and the degradation of water quality must all be addressed in the future. This symposium will present a comprehensive evaluation of these issues. The one-day seminar will include discussions of water rights and water transfers, efficient distribution of water under increasing demand, water supply and population growth, and ground water quality.

Speakers will include representatives of the State Water Resources Control Board, the State of Nevada, private consulting firms, and the Honorable Phil Isenberg. The keynote address will be given by Bob Potter, Deputy Director of the California Department of Water Resources.

Plan to attend this important and timely seminar.

Costs (includes seminar proceedings)

Non-AEG members	\$100.00
AEG, CGA members and Sacramento AEG newsletter subscribers	\$75.00
Non-AEG with newsletter subscription included	\$85.00
AEG student members (limited to first 20 students)	\$25.00

Location

The seminar will be held in Room 102 at 714 "P" Street (Twin Towers) in Sacramento. The seminar will begin at 9:00 a.m. and end at 5:30 p.m., on May 9, 1991.

Make checks payable to AEG. Send payment to Jay Lucas at Brown and Caldwell, Inc., 723 "S" Street, Sacramento, CA, 95814-7092. If you have any questions call either Jay Lucas at (916) 444-0123 or Rick Humphreys at (916) 739-4254.

Name: _____

Address: _____ Telephone: _____

City: _____ State _____ Zip _____

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

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CALL FOR PAPERS

Inland Geological Society: Tentative Topic:
**Quaternary Faulting and Related Hazards in the Inland Areas of
Southern California.**

Deadline for Abstracts: December 1, 1991.

For more information contact:

Gary Rasmussen, IGS Publications Committee Chair
c/o Gary S. Rasmussen & Associates, Inc., 1811 Commerce Center
West, San Bernardino, California 92408
(714-888-2422).

**1992 Conference on Earthquake Hazards in the Eastern San
Francisco Bay Area.** This conference is to be held March 25-28,
1992 in Hayward, California. Contributing papers must touch
specifically on some aspect of earthquake hazard in the eastern
part of the San Francisco Bay region.

Preliminary abstracts (not to exceed 500 words) are due by June
1 to be considered for inclusion in the conference; papers are due
no later than September 1, 1991.

**Send abstracts to Dr. Sue Ellen Hirschfield, Department of
Geological Sciences, California State University, Hayward, CA
94542. (Phone: 415-881-3486).**

Positions Available

Ads in this section are welcome at no cost.

One Year Full-Time Temporary Faculty Position

with possibility of re-appointment, funded at the lecturer level, beginning September 16, 1991. The primary responsibility of the successful applicant will be the teaching of introductory Geology classes, such as, but not limited to Earth Science, Physical Geology and Environmental Geology, and the leading of course-related field trips. Participation in normal committee duties, senior thesis development and student advising is also expected. Opportunity will be given to teach an upper division course(s) in specialty area. Although no particular Geologic specialty is sought, preference will be given to applicant with expertise in geohydrology or engineering geology. The applicants should possess a doctorate in Geology or be nearing completion of their doctorate. Others are urged to apply.

Send a letter of inquiry and resume, including names of three current references, to:

Dr. John A. Klasik, Chair
Geological Sciences Department
California State Polytechnic University, Pomona
3801 West Temple Avenue
Pomona, California 91768

To be considered, application should be postmarked no later than May 17, 1991. Three letters of reference and official confirmation of highest degree will be required

Position Available for Staff Geologist

Requires degree in Geology with Engineering Geology emphasis helpful. One to three years Southern California experience preferable. For further information CONTACT:

Scott Hogrefe
Tierra Tech Testing Lab., Inc.

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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

Mary C. Stordal
Laboratory Supervisor
Analytical Chemistry Services



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Seminars/Meetings/Field Trips

APRIL 1991

15-19 **"MODFLOW (USGS Modular Flow Model) for Simulation of Ground Water Flow and Advective Transport"**, Reston, Virginia (also in Dallas, Texas on November 18-22, 1991). **CONTACT:** National Water Well Association, 6375 Riverside Dr., Dublin, OH 43017, (614) 761-1711.

21-25 **"Introduction to Ground Water Modeling Featuring the United Nations Software"**, Columbus, Ohio. **CONTACT:** National Water Well Association, 6375 Riverside Dr., Dublin, Ohio 43017, (614) 761-1711.

22-24 **"Rocky Mountain-South-Central Section of GSA Meeting"**, Albuquerque, New Mexico. **CONTACT:** Michael Campana or Lee Woodward, Dept. of Geology, University of New Mexico, Albuquerque, NM 87131 (505) 277-4204.

MAY 1991

9 **"California's Water Outlook in the 1990's"**, Sacramento, California. Seminar hosted by the Sacramento Section of AEG in conjunction with Brown & Caldwell and the State Water Resources Control Board. **CONTACT:** Jay Lucas (916) 444-0123 or Rick Humphreys (916) 739-4254.

13-17 **"Quality Geotechnical Lab Testing"**, Rolla, Missouri. **CONTACT:** Continuing Education, University of Missouri-Rolla, Rolla, MO 65401-4200, (314) 341-4200 or (800) 752-5057.

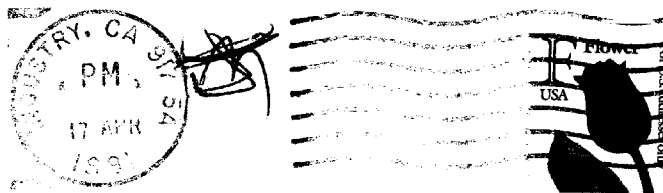
20-24 **"Fundamental Hydraulics and Hydrology for Runoff Computations"**, Rolla, Missouri. **CONTACT:** Department of Civil Engineering, University of Missouri-Rolla, 119 Mechanical Engineering Annex, UMR, Rolla, MO 65401-0249, (314) 341-4200 or (800) 752-5057.

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.

Tania Gonzalez
AEG Secretary/Newsletter Editor
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