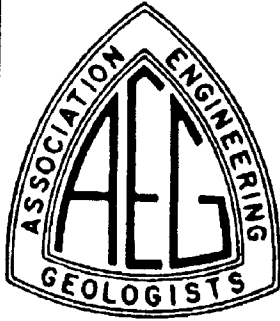


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Southern California Section NEWSLETTER- July 1993



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First Annual Joint IGS/AEG/SDAG Dinner Meeting *Thursday, July 15th*

- Temecula Creek Inn
44501 Rainbow Canyon Road
Temecula, California
- Cost - \$21.00
- Make reservations by Friday, July 9th!!!
Geosoils (818) 785-2158
(Leave Your Name & Number of People in Your Party)
- 6:00 Social Hour
- 7:00 Dinner

Program

**Preliminary Assessment of the Late Holocene Slip
Rate for the Wildomar Fault in Murrieta, California**

by

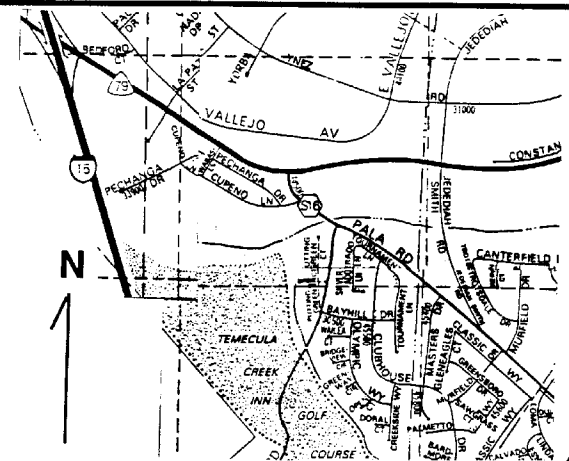
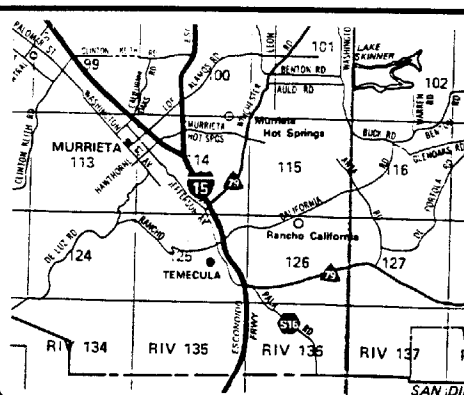
Mr. Mark Bergmann, Leighton and Associates

**Discussions on the Future of the Geology Registration
Board in California, the Seismic Safety Commission,
Proposed Amendments of the Alquist-Priolo Act,
and the USGS Landslide Program**

by

Dr. James Slosson, Slosson and Associates

MAP to Meeting



FIRST ANNUAL JOINT MEETING OF THE IGS/AEG/SDAG

On July 15, 1993, the Inland Geological Society is sponsoring the first joint meeting of the Inland Geologic Society, the Association of Engineering Geologists, and the San Diego Association of Geologists. The first meeting will be held at the Temecula Creek Inn in Temecula, California. The Joint Meeting of the IGS/AEG/SDAG will begin at 6:00 p.m. with an ice breaker, followed by the dinner program at 7:00 p.m. The program will feature two speakers; Mr. Mark Bergmann, of Leighton and Associates, and Dr. James Slosson, Chief Engineering Geologist for Slosson and Associates.

Mr. Bergmann will give a summary and update on the use of three-dimensional trenching to determine late holocene slip rate. Preliminary trenching across the principal strand of the Wildomar Fault Zone in Murrieta, California has documented approximately 10 meters of right lateral strike-slip movement and less than 1 meter of dip-slip movement in late Holocene alluvial deposits. Slip was obtained by matching displaced segments of a buried late Holocene stream channel crossing the fault. A unique coarse-grained sand channel with a distinctive silty fine-grained sand lens was located on both sides of the fault zone. The channel, excavated at approximately 1/2 meter intervals into the fault zone, was logged and precisely located utilizing a Wild TC 2000 Total Station. This methodology provided a three-dimensional exposure of this channel across the Wildomar fault. Radiocarbon dates on alluvial sediments that interfinger and immediately overlie the channel yield a closely minimum age of 2,404 plus or minus 65 radiocarbon years B.P. The project was funded by the USGS.

Mr. Bergmann is the Director of Geology for Leighton and Associates' Inland Empire Regional Center and has managed Leighton's Temecula office since 1988. He is currently serving as President of the Inland Geologic Society for 1993. Mr. Bergman has worked on several USGS

grants and has served as Peer Reviewer for proposals submitted to the USGS National Earthquake Hazards Reduction Program. Mr. Bergman was instrumental in having the State of California recognize and designate the recently discovered Murrieta Creek Fault as an Alquist-Priolo Special Studies Zone. He is currently working on another USGS grant to determine the timing of earthquakes, recurrence intervals, estimated magnitude, and date of the last earthquake for the Wildomar Fault in the Temecula Valley area.

Topics by Dr. James Slosson will include discussions on the future of the Geology Registration Board in California, the Seismic Safety Commission, proposed amendments of the Alquist-Priolo Act, and the USGS landslide program.

Dr. Slosson is Chief Engineering Geologist for the firm of Slosson and Associates. He has served as the California State Geologist and as a member of the California Seismic Safety Commission which is involved in developing improved codes and regulations as well as the collection and dispensing of earthquake information to the management of state and local agencies. Dr. James E. Slosson was the recipient of the 1992 Distinguished Practice Award presented by the Geological Society of America.

Preliminary Announcement for a GSA Symposium

A symposium tentatively titled "Effects of the 1993 Storm Events on Southern California" will be convened at the GSA Cordilleran Section Meeting in March 1994. The meeting will be held at California State University, San Bernardino. If you have been working on landslides, floods, or related damage resulting from this past winter's storms or environmental projects impacted by the subsequent rise in groundwater and would like to share your data in a presentation at the symposium please contact Mr. Robert A. Larson at (818) 786-8884 as soon as possible.

Chairman's Column

Kelly E. Rowe

The July AEG meeting is the first of its kind: a joint meeting with the San Diego Association of Geologists (SDAG) and the Inland Geological Society (IGS). The IGS is managing the meeting in Temecula. We only have to show up and see the new faces. However, many of those who will be there will be old classmates, colleagues and friends. **It should be a good event with Dr. Slosson as the main speaker and Mark Bergmann the short-topic speaker.**

This is third annual joint meeting we have had in July with the SDAG and the first time with the IGS. IGS is a group of geologists who usually meet monthly at the San Bernardino County Museum. Many IGS members, similar to SDAG members, are also members of the AEG Southern California Section.

Recent Soils Short Course

The recent short course taught by Dr. Roy Shlemon, "Applications of Soil Stratigraphy to Engineering & Environmental Geology", was a great success. Dr. Shlemon was extremely generous in conducting the course gratis. The material organized in the coursebook is and will be valuable. Extra copies of the coursebook are available through the publications chairman, William Lachapelle, at Geosoils in Van Nuys.

The coursebook is pretty thick and includes copies of classic papers, good references and tips on how to think about soils. I sure won't think of sediments as soils again. It was twice as thick as I thought it would be. My apologies to those of you who were expecting to get the coursebook for the "about \$20.00" at the course.

The facilities for the course were fantastic. It was at the new Irvine Ranch Water District offices on Sand Canyon Avenue, in Irvine. Special thanks were provided to the General Manager, Mr. Ron Young, for allowing us to use the facilities.

Future Short Courses

There is a great potential for conducting a variety of short courses through the efforts of a few of us. Tom Blake attended the last two courses and has volunteered to conduct a course on seismic engineering geology work in November. There have been other suggestions for courses and I have in mind some others.

For those of you who are interested there are a few things you have to do to have a course through the auspices of AEG and our section. These are briefly summarized in the following points.

- 1 Pick a pertinent topic and speaker(s) for a course.
- 2 Arrange for a facility that can handle the number of participants you expect.
- 3 Arrange for a caterer to feed the course participants at the facility.
- 4 Set a low, reasonable cost for the course and advertise it with a course outline and registration form.
- 5 Provide an outline of the course and brief description of the speaker(s) to the AEG Continuing Education Committee Chairman (Currently Paul DuMontelle, with the Illinois Geological Survey)
- 6 Collect the registration forms and fees and put the names in a database for making mailing labels.

- 7 Mail out the notices to the registrants no later than one week before the date of the course.
- 8 Make sure the facilities are set for the course.
- 9 Collect the original manuscript/coursebook from the instructors at least two days before the course (also make an attractive cover).
- 10 Make sufficient copies of the coursebook to distribute to the registrants and for resale through the publications chairman.
- 11 Open the doors of the meeting facility an hour before the course and get early arrivals to help put together the coursebook and to setup the seating arrangements.
- 12 The course usually runs by itself with a well prepared speaker, so there is nothing else to do but to absorb the material.
- 13 At the end of the course make sure everyone cleans up after themselves. (The course is inexpensive, so participants should be made to feel guilt about it.)
- 14 Send in the course participant registration forms and the course evaluation forms to the Continuing Education Committee Chairman.
- 15 Send the course participants their "Certificate of Completion". It's a nice certificate that Paul DuMontelle has created and shortly provides back to the short-course coordinator.

Next to our field trips and monthly meetings, short courses are fantastic vehicles for us to exchange ideas and information. Popular short courses may make money for the section to support sponsoring philanthropic issues, such as college scholarships. They are also good relative to the anticipated need that geologists in California and the U.S. will be required to acquire continuing education units annually to maintain their professional registration. Let's get used to having three or four short courses per year to keep our edge on our profession. You are welcome to volunteer. Check with the chairman on how to direct your energy. It's some work and a lot of fun.

Hydrogeology Certification Update

The California Assembly Business and Professions (BP) Committee members are considering Senate Bill 433, the hydrogeology certification legislation. The SB 433 has to next be approved by the Assembly then onto the Governor Wilson for signature. Please write to your assemblyperson to voice your approval. For your information, the list below are the members of the BP committee. Write today!!!

Assemblyperson Rusty Areias
District No. 28 (916-443-7380)
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Assemblyperson Debra Bowen
District No. 53 (916-445-8528)
State Capitol Room 3126
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Sacramento, CA 95814

BOOK SALE

Association of Engineering Geologists, Southern California Section

- Blake, T., and Larson, R.A., Eds., 1991, Engineering Geology along the Simi-Santa Rosa fault system and adjacent areas. Simi Valley to Camarillo, Ventura County, California: Guidebook for the Southern California Section of the Association of Engineering Geologists Annual Field Trip, August 24, 1991, Volumes 1 and 2, 383 pgs., 4 map sheets. \$40.00
- Buckley, C.I., and Larson, R.A., Eds., 1990, Geology and Engineering Geology of the western Soledad Basin, Los Angeles County, California: Guidebook for the Southern California Section of the Association of Engineering Geologists Annual Field Trip, November 3, 1990, 185 pgs., 2 map sheets. \$25.00
- Buesch, D., Ed., 1979, Geomorphic Applications in Engineering Geology: A State-of-the-Art Short Course: Short course held at California State University at Los Angeles, November 10-11, 1979, reprinted by the Southern California Section of the Association of Engineering Geologists, 145 pgs. \$11.00
- Byer, J.W., Ed., 1975, Sycamore Canyon Fault, Verdugo Fault, York Boulevard Fault, Raymond Fault, and Sierra Madre Fault Zone: Guidebook for the Southern California Section of the Association of Engineering Geologists Annual Field Trip, September 27, 1975, 68 pgs. \$ 8.00
- City of Los Angeles, 1982, Geologic Maps of the Santa Monica Mountains, Los Angeles, California: 333 map sheets at 1" = 400', compiled by the Bureau of Engineering, Department of Public Works, City of Los Angeles, reprinted by the Southern California Section of the Association of Engineering Geologists, 342 pgs. \$26.00

1992 NEW ADDITIONS

- Sieh, K.E. and Matti, J.C., October 3-4, 1992, Earthquake Geology San Andreas Fault System Palm Springs to Palmdale, 35th Annual AEG Meeting, Guidebook and Reprint Volume. \$25.00
- Ehlig, P.L. and Steiner, E.A. Editors, October 2-9, 1992, Engineering Geology field Trips: Orange County, Santa Monica Mountains and Malibu. 35th Annual AEG Meeting, \$25.00 **Optional Map and Cross Section of Big Rock Mesa \$15.00
- Bulleting of the Association of Engineering Geology, Volume XX, Number 1. Contains "Geology of Long Beach, California". Limited Supply \$5.00
- Ebersold, D.B. Editor, October 10, 1992, Landers Earthquake of June 28, 1992, San Bernardino County, California Field Trip Guide. Limited Supply \$8.00
- Stout, M. L., Editor, 1992, Association of Engineering Geologists, Proceedings for the 35th Annual Meeting, October 2-9, 1992, Los Angeles, California. \$40.00
- Shurman, G. and Slosson, James, 1992, Forensic Engineering, Environmental Case Histories for Civil Engineers and Geologists, Academic Press, Inc. \$49.95
- Pipkin, B.W. and Proctor, R.J., Editors, 1992, Engineering Geology Practice in Southern California, Star Publishing \$79.95 plus a special charge of \$5.00 shipping and handling.

Books are available from: Joe Cota, Publications Chairman, AEG Southern California Section, c/o GeoSoils, Inc., 6634 Valjean Avenue, Van Nuys, California 91406, (818) 785-2158. Make checks payable to AEG Southern California Section. **Please add 8.25% sales tax and the following postage/handling charges:** \$2.50 for the first book and \$0.50 for each additional book.

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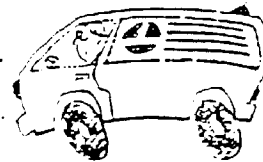
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Seminars/Meetings/Field Trips

July 1993

15 First Annual Joint IGS/AEG/SDAG Meeting, Temecula Creek Inn, Temecula, CONTACT Geosoils (818) 785-2158

August 1993

10 Southern California Section AEG Meeting, Speaker: Sally Bilodeau, CONTACT Geosoils (818) 785-2158.

September 1993

13 Joint AEG/South Coast Geologic Meeting, Revere House, Tustin. CONTACT Geosoils (818) 785-2158

20 RG Exam

21 CEG Exam

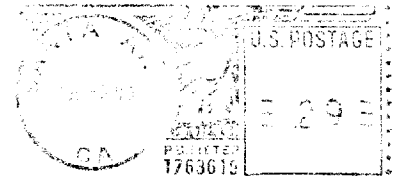
October 1993

12-14 Annual AEG Meeting, San Antonio, Texas, CONTACT (214) 941-3808

25-28 Annual GSA Meeting, Boston

November 1993

9 Southern California Section AEG Meeting, The Quiet Cannon, Montebello. CONTACT Geosoils (818) 785-2158



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