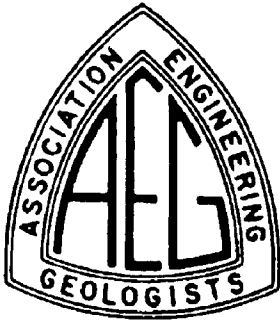


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Southern California Section NEWSLETTER- June 1993

Dinner Meeting *Tuesday, June 8th*

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Montebello
- Cost - \$20.00 (Full-Time Students - Free)
- Make reservations by Friday, June 4th!!!**
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(Leave Your Name & Number of People in Your Party)
- 5:30 Social Hour
- 6:45 Dinner

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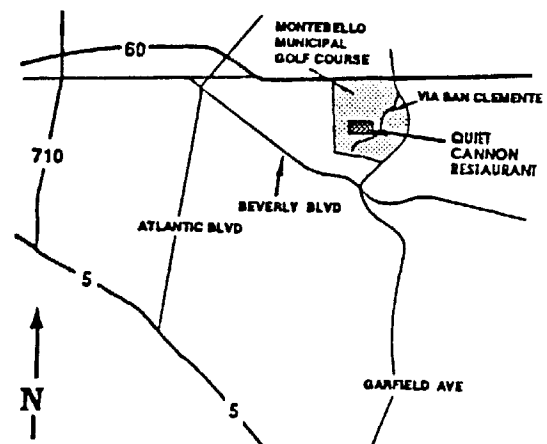
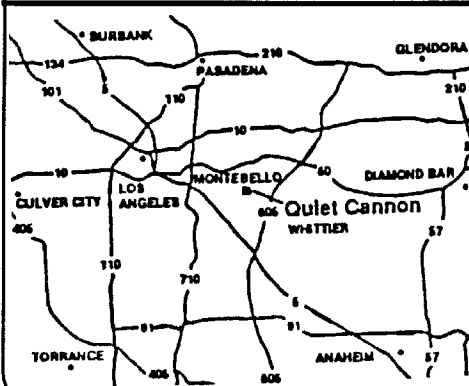
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Program

City of Malibu, Guidelines for the Preparation of Engineering Geologic and Geotechnical Engineering Reports and Procedures for Report Submittal

by
Mr. Don Kowalewsky, City of Malibu Geologist

MAP to Meeting



PROGRAM
Topic & Speaker

Topic: City of Malibu, Guidelines for the Preparation of Engineering Geologic and Geotechnical Engineering Reports and Procedures for Report Submittal.

Speaker: Mr. Don Kowalewsky, City of Malibu Geologist.

The Malibu City Council voted to adopt guidelines pertaining to the preparation of geologic and geotechnical engineering reports. The guidelines are unique because they establish a procedure and standard for the City of Malibu that is separate and apart from any previous or current Los Angeles County policy or procedures. Particularly, in the areas of geologic exploration and seismic-induced slope instability. A permit will be required prior to the excavation of any trenches or borings. Part of the permit application will require an Underground Service Alert process. Guidelines pertaining to seismic-induced slope instability involve the use of a pseudo-static seismic coefficient minimum of 0.2g. Should the result be close to unity, a slope deformation analysis would be required.

The guidelines were prepared to serve only as a reference for the design engineer or architect to more accurately understand the geologic setting and geotechnical conditions and thus prepare a safe and cost effective design. The guidelines are specific to Malibu and reflect the unique geologic and geotechnical conditions of the city.

The AEG will provide a few copies of the guidelines at the meeting. Hope to see you there.

TREASURER'S REPORT
by Robert A. Larson

Our section is financially secure and with the help of all our great volunteers will remain so. If you have wondered where your money has gone the last few years, this report will try and inform you. Your section dues provides the main operating funds which must last all year, supplemented by money from book sales and short courses.

Over the last 2 1/2 years, we have made about \$3,000 from book sales and have received our first royalty of \$253 from Star Publishing from sales of the Special Publication #4. By contract, the section will receive 3% of the price of the first 1,000 books sold, 5% of the second thousand, and 8% of all revenues from book sold above 2,000; AEG will receive a like amount. The CDMG short course, held a couple of months ago, provided a nice increase to our balance sheet, due to the efforts of Kelly Rowe. The field trips just about balance out after the remaining guidebooks are sold.

We have run a deficit, average \$90 per meeting, on the last 13 out of 15 monthly meetings. The newsletter costs about \$3,700 per year and we pay our lobbyists \$4,800 per year. The section incurred expenses of \$6,269 for the Annual Meeting poster and \$1,000 for editing of the Engineering Geology Practice volume. Additional expenses include reimbursement of out-of-pocket expenses for the section officers and chairpersons for fulfillment of their duties. We supported the newly created (so new you haven't heard about it) Engineering Geology Foundation with a non-interest loan of \$3,000. Because we are a non-profit organization, all money goes toward our activities. The more money we make by selling publications, holding short courses, and running field trips, the more activities we can support. So please volunteer to help out and make our section strong.

Professional Affairs

DEADLINE TO FILE FOR RG/CEG EXAM

The deadline to file for the September 1993 registration exam for Registered Geologist, Certified Engineering Geologist, and Registered Geophysicist is June 22, 1993. Questions regarding the California state registration exams should be forwarded to State Board of Registration for Geologists and Geophysicists at (916) 445-1920

SECTION NEWS

William Lachapelle will be the new publications chairman for the Southern California Section of AEG. Because Mr. Lachapelle is associated with Geosoils, Inc., telephone numbers, addresses, and ordering procedures for publications will remain unchanged.

Chairman's Column

Kelly E. Rowe

Upcoming Short Course

On Saturday June 5th, the Saturday following the 3-day Memorial Day weekend, we have planned a short course to be taught by Dr. Roy Shlemon, "Applications of Soil Stratigraphy to Engineering and Environmental Geology". Plan to attend and learn, for example, the significance of stonelines, cumulic profiles, and development of soils relative to engineering and environmental geology problems.

An abbreviated page description for the course is included below along with the registration form. Post this page on your bulletin board or pass it along to your colleagues who you think might be interested in learning from an expert on soils. Following registration a flyer will be provided to you with additional details on the course and a map on the exact meeting location. If you have questions about the course feel free to give me a call.

Hydrogeology Certification Legislation Update

Buzz Spellman clarified at the May meeting that the hydrogeology certification legislation Senate Bill 433 was discussed and was passed through at the April 12th meeting in the California Senate Business and Professions (B&P) Committee.

Buzz suggested that you should contact your senator or assemblyperson to voice your support for this legislation. **Send a set of letters by the end of June** to your representatives for support for hydrogeology certification. If there is no support, it will probably lead to inaction in the legislature and confusion for the profession.

California Geology Board Vacancies

Bob Tepel, president-elect of AEG, sent a letter to me recently regarding several of the upcoming Board Member vacancies on the Board of Geologists and Geophysicists. Buzz Spellman also said that Frank Dellechiaie, Executive Officer of the Board, is resigning shortly. If you are interested in becoming a Board Member, let me or Buzz know so you can get our support. It would probably help if you are a registered Republican to get the support of the Governor, since he appoints Members to the Board. The list of candidates should be presented to the governor probably by July.

Dr. Shlemon has 25 years of experience consulting for private and government clients on Quaternary geology, soil stratigraphy and geomorphology problems throughout the world. Dr. Shlemon is the current recipient of the Richard H. Jabns distinguished lecturer in engineering geology award, which is co-sponsored by AEG & the Engineering Geology Division of the Geological Society of America. During 1993 he is providing sponsored lectures throughout the world on his engineering geology specialty of soil stratigraphy and geomorphology. He is kindly obliging the AEG Southern California Section's request to provide a relevant course for the interest of the professionals in Southern California through our section.

Dr. Shlemon is an outstanding lecturer and we are certain that anyone who attends this course will be rewarded with a unique perspective and good understanding of applying soil stratigraphy principles to engineering and environmental geology issues. The brief outline to the right highlights some of the subjects Dr. Shlemon will discuss in the course.

Outline for Short Course

- I. INTRODUCTION: Key Literature/Sources and Applications
- II. THE SOIL PROFILE
 - A. Soil Horizon Nomenclature
 - B. Major Soil Forming Factors (climate, parent material, topography/slope, vegetation, time).
 - C. Relative Soil Profile Development
- III. SOIL-GEOMORPHIC RELATIONSHIPS
 - A. Relative Landscape Stability
 - B. Fluvial and Marine Terrace Dating
- IV. PALEOSOLS: (buried, relict, exhumed)
- V. SOILS AS STRATIGRAPHIC MARKERS
 - A. The Geosol Concept
 - B. Soil-Forming Intervals
 - C. Paleo-Environmental Reconstruction
- VI. SOILS AS FAULT-DATING MARKERS
 - A. Preservation of the Organic Horizon
 - B. Stages of Argillic and Calcic Horizon Development
 - C. TL (Thermal Luminescence) and MRT (Mean Residence Time) Soil Dates: Applications and Uncertainties
- VII. SOILS AS INDICATORS OF SLOPE STABILITY
 - A. Origin and Interpretation of Multiple Stonelines
 - B. Formation and Environmental Significance of Cumulic Profiles
- VIII. SOILS AS TOOLS TO DELIMIT CONTAMINANT PATHWAYS
- IX. ENGINEERING AND ENVIRONMENTAL GEOLOGY CASE STUDIES

Short Course is scheduled from 9:00 a.m. to 4:00 p.m. Food & drinks for breaks & lunch provided.

**Saturday, June 5, 1993: At the Irvine Ranch Water District Office
15600 San Canyon Avenue, Irvine (~1/4-mile south of Interstate 5)**

A non-refundable fee of \$55 (AEG members), \$75 (non-AEG-members) **is required in advance to cover workshop costs, including lunch.**

Participation is limited to 60 persons.
To secure your reservation, please fill in the Registration Form (one per participant) and return it with your check.

Make check or money order payable to the "Association of Engineering Geologists" and mail to:

Registration Form

Name: _____ Phone: _____

Address: _____

City: _____ State: _____ Zip Code: _____

**AEG Southern California Section
Short Course Coordinator
Kelly E. Rowe (Phone 714-458-7414)
2012 Balearic Drive
Costa Mesa, California 92626**

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
- Bulletin 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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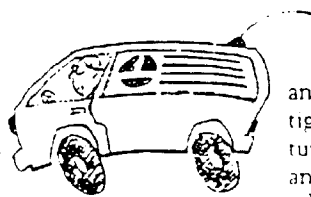
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June 1993

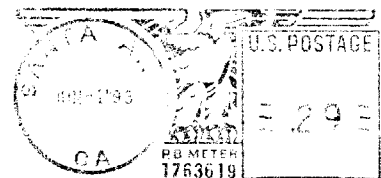
5 **Applications of Soil Stratigraphy to Engineering and Environmental Geology**, presented by Roy J. Shlemon. Newport Beach, CA. CONTACT Kelly Rowe, (714) 979-7790

8 **Southern California Section AEB Meeting**, CONTACT Geosoils (818) 785-2158

July 1993

Southern California Section AEG will have it's joint meeting with the San Diego Association of Geologists and the Inland Empire Geologic Society. The meeting will be held in Temecula., date and time to be announced.
CONTACT Geosoils (818)785-2158

Kathleen R. Williams
AEG Newsletter Editor
c/o GeoResearch
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