



SOUTHERN • CALIFORNIA • SECTION
NEWSLETTER

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6633 Ranchito Ave.
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DINNER MEETING

- Tuesday, September 13, 1988
- The Quiet Cannon Restaurant
901 N. Via San Clemente
Montebello, CA
- \$20.00 (includes tip)
- For reservations call
Jerry Treiman
(213) 620-3560

**MAKE RESERVATIONS BY NOON ON
THE FRIDAY PRIOR TO THE MEETING**

- 5:30 Social Hour
- 6:45 Dinner
- 7:30 Announcements
- 8:00 Speaker
- 9:00 Section Affairs

PROGRAM

Jack R. Sheehan
Consulting Geologist

**TECTONICS OF THE EASTERN
SAN GABRIEL MOUNTAINS-
HAS THE SAN GABRIEL FAULT BEEN OFFSET?**

SPEAKER & TOPIC

TECTONICS OF THE EASTERN SAN GABRIEL MOUNTAINS- HAS THE SAN GABRIEL FAULT BEEN OFFSET?

Jack R. Sheehan

The San Gabriel fault in southern California is a right-lateral, strike slip fault extending for over 85 miles in an arcuate, southwestward bowing curve from near the San Andreas fault at Frazier Mountain to its intersection with the left-lateral San Antonio Canyon fault in the eastern San Gabriel Mountains. Termination of the San Gabriel fault at the presently active San Antonio Canyon fault is abrupt and prompts the question "has the San Gabriel fault been offset?". Tectonic and geometric relationships in the area suggest that the San Gabriel fault has been offset approximately 10 km in a left-lateral sense and that the offset continuation of the San Gabriel fault, across the San Antonio Canyon fault, is the right-lateral, strike slip San Jacinto fault, which also terminates at the San Antonio Canyon fault. Reversing the left-lateral movement on the San Antonio Canyon fault to rejoin the offset ends of the San Gabriel and San Jacinto faults reveals a fault trace that is remarkably similar in geometry and movement (and tectonic history ?), to the trace of the San Andreas fault through the southern part of the San Bernadino Mountains. The relationship of the Sierra Madre-Cucamonga fault system to the restored San Gabriel-San Jacinto fault is strikingly similar to the relationship of the Banning fault to the Mission Creek-Mill Creek portion of the San Andreas fault. Structural relationships suggest that the San Gabriel-San Jacinto system predates the San Andreas fault in the eastern San Gabriel Mountains and that continuing movement on the San Antonio Canyon fault is affecting the trace of the San Andreas fault in the Cajon Pass area.

Jack Sheehan has worked as a petroleum exploration geologist in southern California since 1955, most recently as Western Region Exploration Manager for MCO resources in Los Angeles.

Now a consulting geologist, his primary geologic interest is the structural evolution of Southern California.

Mr. Sheehan graduated from Oregon State University and has a Master's degree from the University of California at Berkeley.

He is currently supplementing his consulting earnings by working as a substitute teacher in the Los Angeles Unified School District.

ANNOUNCEMENTS

Election Results

Preliminary results of the election for next year's officers are now in. Out of a total of 63 ballots cast the totals are:

Chairman-----Jeff Holt-----64*
Vice Chairman-Bob Hollingsworth--63
Secretary-----Eldon Gath-----63
Treasurer-----Jerry Treiman-----63

*There were no write in votes except for one enthusiast who voted for Jeff Holt and wrote in Jeff Holt.

POSITIONS AVAILABLE

Moore & Taber has openings for project and staff level engineering geologists in their main Anaheim office. Certification as an engineering geologist in California is required for the project positions. Responsibilities will include conducting investigations (field exploration, office analyses and report preparation) for major residential, commercial, industrial and public works projects. Reply to Jack Eagen or Gary Lass, Moore & Taber, 4530 East La Palma Ave., Anaheim, CA, 92807, (714) 779-2591

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Your hard working officers plan to prepare a directory of members with photographs. Please complete the following questionnaire and mail with current photo (no baby pictures please!!) to:

D.L. Lamar, AEG Directory
1044 12th Street, #10
Santa Monica, CA 90403

Name _____ Nickname _____ Spouse Name _____
Title _____ Company/Institution _____
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Work Phone Number _____
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Preferred Mailing Address: Work ___ Home ___
Degrees/Institutions/Dates _____
Other Society Memberships: GSA ___ AAPG ___ NAGT ___ Branner Club ___ South Coast ___
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Awards, Honors and whatever _____

Chris Wills
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Van Nuys, CA 91405