



SAN DIEGO ASSOCIATION OF GEOLOGISTS

MARCH MEETING ANNOUNCEMENT

DATE: Thursday, March 25, 1976

TIME: Social Hour - 6:00 p.m.
Dinner - 7:00 p.m.
Speaker - 8:00 p.m.

LOCATION: Knights Court Room
Kings Inn
1333 Hotel Circle
San Diego, California

Bar will be set up in the meeting room. Menu will consist of baked ham, salad, potato, vegetable, rolls and butter, beverage and desert for \$5.43 (includes tax and tip).

SPEAKER: Mr. Robert J. Dowlen - Bob graduated from San Diego State University with a B.S. Degree, and is currently working on his M.S. thesis as well as being employed as an engineering geologist with Geocon, Inc. of San Diego.

SUBJECT: "New evidence concerning age of movement of the La Nacion Fault, Southwestern San Diego County, California. Following is an abstract (1975 AEG Ann. Mtg., Abs. with Prog., p. 20), describing the subject matter of the talk.

*Dowlen, Robert J. Hart, Michael W. and Elliott, William J.:
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After discovery of the La Nacion Fault during a geologic investigation for urban development in 1971, it was reported in 1973 that offset of Holocene alluvium had been proven at two localities. Numerous exploratory trench excavations, radiocarbon age determinations, and geomorphic field investigations conducted since 1971 by various geologists have found no evidence for active movement along any branch or segment of the fault.

To eliminate the apparent discrepancy, the original trench in which Holocene displacement of alluvium was reported has been reopened for observation in southeast Chula Vista. One major fault trace and several secondary faults and shear zones were observed in a 100 foot wide fault zone, and none were observed to offset Holocene alluvium. An active classification at the second locality, several miles to the north in the Rice Canyon area, was apparently concluded from anomalous alluvial thicknesses as determined from boring data, and is not considered here as sufficient evidence for concluding alluvial displacement by faulting.

We conclude that the La Nacion Fault can no longer be considered active as defined by the California State Geologist, and should be reclassified as potentially active, as offset of Pleistocene deposits has previously been demonstrated.



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RESERVATIONS: Please make reservations for this meeting by 5:00 p.m.
Tuesday, March 23, 1976 by calling 224-2911.

ANNOUNCEMENTS: SDAG is sold out of the '73 guidebook publication on geologic hazards of the San Diego Area. Some are still available at the Map Center, Aztec Book Shop, and Scripps Aquarium Book Store.

In lieu of a field trip as our activity for this year, the association is planning a one day seminar. The exact content has not been defined and any ideas, suggestions, or assistance will be gladly accepted. Ideas suggested, include covering the problems associated with slope erosion and sloughing, and the problem of waterlogging.