



SAN DIEGO ASSOCIATION OF GEOLOGISTS

1996 EXECUTIVE COMMITTEE

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PAC-1

MEETING NOTICE

WEDNESDAY MARCH 20, 1996

SPEAKER: Charles Lough

TOPIC: UPDATE ON MAPPING IN THE VALLECITO MOUNTAINS

PLACE: Qwiggs Bar and Grill
5091 Santa Monica Ave.
Ocean Beach
(619) 222-1101

TIME: 6:00-Social Hour
7:00-Dinner
8:00-Program

DINNER: Catch of the day, rice, green salad, rolls and butter, beverage.

COST: \$20.00

RESERVATIONS REQUIRED by noon Monday March 18th. Please phone in your reservation to Werner Landry at (619) 236-7251. Leave name, number in party and affiliation. Please call Werner if you need to cancel your reservation. If you have special diet requirements, contact Anne Sturz by Monday March 18th.

ABSTRACT

Charles Lough, retired, was formerly with the San Diego County Planning Department. For the last seven years he has been mapping the detachment fault terrane in the Vallecitos Mountains in Anza-Borrego State Park. Four years ago he gave a talk at SDAG on his mapping. This current talk will provide an update, with emphasis on the sedimentary record and structure around the margins of the range.

A detachment fault originally dipping north from the Laguna Mountains toward the Salton Trough has since been warped into two domes - Yaqui Ridge and Whale Peak. Doming of the detachment fault was accomplished by a combination of displacement on short faults, movement on fractures, and pervasive shearing in hydrothermally altered rock.

Since the range is composed almost entirely of granodiorite, mapping and determination of structural relationships is difficult. Therefore, the mapping was based, in part, on rock units defined by the degree of fracturing and hydrothermal alteration. Recent work has been concentrated on the sediments and structure around the margin of the range where there are more clues to be found.

ANNOUNCEMENTS

* **1996 MEMBERSHIP RENEWAL IS NOW OVERDUE! IF YOU HAVEN'T RENEWED, YOU MAY NOT RECEIVE THE NEWSLETTER NEXT MONTH.** Please use the form included in this newsletter. Membership forms will be available at the March Meeting. Your membership dues support printing and mailing of the newsletter, student scholarships, the annual picnic and the annual field trip. We appreciate your continued support.

* **BOOK OF THE MONTH SALE** SDAG publication, *Environmental Perils*, will be offered at the March meeting only (no mail orders please) for the reduced price of **\$2.00 per copy**. Now is your chance to restock you personal library, buy unique gifts for friends and relatives, and make room in our inventory for future SDAG volumes.

* **SDSU ALUMNI BANQUET** Thursday, March 21, 1996, Casa Real, Aztec Center at SDSU. Social hour 6-7, dinner 7-8, guest speaker Gary Peterson. Cost is \$18/alumni, faculty, guests; \$10 students. For more information call Pia Lincoln, Geological Sciences, SDSU, 594-5587 or email plincoln@geology.sdsu.edu

* **DEADLINE** for announcements to be included in the April SDAG newsletter is April 1st 1996. Please submit your items in writing to Anne Sturz, 6466 Bonnie View Dr. San Diego, CA 92119 or by fax at 619 461-2644.

1996 MEMBERSHIP FORM

SAN DIEGO ASSOCIATION OF GEOLOGISTS

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DUES	_____	student member	\$5.00
	_____	regular member	\$15.00
	_____	corporate/individual sponsor	\$100.00

new member? _____ continuing member? _____

DATE _____

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Membership dues may also be paid at the monthly dinner meetings.

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