



February 2006

Los Angeles Basin Geological Society Newsletter

February 23 Meeting: Mike Hart, Consultant

Will speak on

GEOLOGY OF SOME HARDROCK LANDSLIDES

Speaker Synopsis / Abstract

Many types of landslides including flows, wedge-slides, complex or composite slides, and rock avalanches occur in crystalline, metamorphic, and volcanic rocks. Such rocks are often believed to be essentially immune from large-scale landsliding because of their seemingly very high shear strengths. Primary rock types each have characteristic landslide mechanisms and often have differing morphologic characteristics. For example, large translational landslides occur in granitic rocks that have been subjected to intense faulting; Gabbros tend to weather deeply to form clay-rich soils and fail as large earth flows. Failures in metasedimentary rocks occur along pre-sheared foliation planes. Volcanic flow rocks are often interbedded with altered ash or contain buried clayey paleosols on which sliding takes place. The primary focus of this presentation will be on methods of recognition of the various landslide types and their unique failure mechanisms. Examples of the various landslide types are drawn primarily from the Peninsular Ranges of southern California.

Michael W. Hart is a Certified Engineering Geologist in California and has practiced in the southern California area for longer than he cares to divulge. Mike is a graduate of San Diego State University (M.S., 1972). Upon graduation he worked briefly for Shell Oil Company and then began a career in engineering geology. In 1975 Mike joined Geocon, Inc. as Vice President and Chief Engineering Geologist. Since leaving 1992 he has been an independent engineering geologic consultant. Mike is past chairman of the AEG Landslide Committee, Engineering Geology Division of the Geological Society of America, and a past president of the South Coast Geological Society. His interest in landslides began during undergraduate studies at San Diego State University and led to graduate work on landslides in Eocene rocks of the San Diego area.

Time & Place

Time:

Thursday, February 23, 2006

Typical Meeting Agenda

Lunch Served: 11:30 AM to 12:00PM

Announcements: 11:50 AM to 12:15 PM

Guest Speaker: 12:15 PM to 12:45 PM

Place:

The Grand at Willow Street Conference Center located at 4101 East Willow Street, Long Beach, CA. (562-426-0555). Take Lakewood Boulevard south from the San Diego Freeway (405), turn west onto Willow Street and turn right onto Grand Avenue at the sign for the Center. Park free in the garage structure.

Cost

Cost:

Lunch and Speaker: \$20.00 with reservations

\$25.00 without reservations

Student:

\$ 5.00 (Lunch and Speaker)

Meeting Reservations:

Make your reservations using our web site at www.labgs.org, emailing iaburto@breitburn.com or calling Ivan Aburto at (213) 225-5900 ext. 234. **Reservations must be made prior to Tuesday** before the meeting.

LABGS and The 2007 AAPG Convention field Trips

The LABGS has offered to lead five field trips in conjunction with the national meeting. If you have an interest and experience in field trips in the SoCal area please contact an officer to inquire about our needs. We are thinking on day-trips to these areas:

Catalina Island Geology
**The Deep LA Basin Geology in
the Santa Monica Mts**
Palos Verde Peninsula Geology
Los Angeles Urban Geology
San Gabriel Valley Near Surface
Water Contamination Issues

LABGS Future Meetings

Lunch meetings are held at *The Grand at Willow Street Conference Center in Long Beach, California*. Lunch starts at 11:30 AM.

Upcoming 2006 Speaker Schedule

March 23, 2006 - The tentative speaker will be **Professor Lee Gerhard** speaking on "Global Warming". (see notes)

April 27, 2006 - The speaker will be **Boris Zaprianoff** speaking on "*The Dead Sea and Noah's Flood: Recent Sub-sea Archeological Discoveries.*"

If you have a speaker suggestion, please mention it to a Board member.


The exact titles for these talks may change. See the Newsletter for the most current info

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Announcements / Information

2005 Student Recognition Awards

The Los Angeles Basin Geological Society offers two annual scholarship awards as a form of encouragement and recognition to those College students who show dedication and passion to the field of Geoscience. It is our goal to help future geoscientists on in their pursuits. Both of these awards consist of a Brunton Compass and a wall certificate.

The LABGS Brunton Award

The LABGS Brunton Award is given to a qualified undergraduate student attending a four-year LA Basin College or University currently pursuing a baccalaureate degree in Geology or the Earth Sciences. The Society is currently looking for qualified applicants for the 2006 award.

SELECTION PROCESS

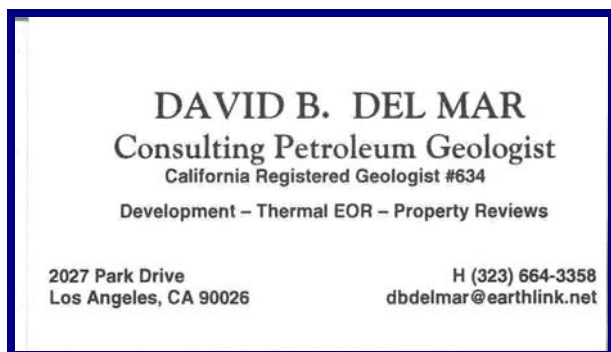
The above award winner was selected from candidates nominated by a faculty member. The winner was selected based on the following criteria:

- Grade point average in earth science classes.
- An enthusiastic or special recommendation from the college advisor, department chair, or mentor professor

LABGS Publication List

1. Guidebook from the 2004 LABGS Field Trip Examining the Catalina Schist and the Palos Verdes Peninsula. **\$20.** The book is 179 pages and printed in color. There is enough detail to allow you to recreate the trip on your own.
2. Neotectonics and Coastal Instability, Orange and Northern San Diego Counties, California - CD VERSION from the 2000 PSAAPG and WRSPE Field Trip Guidebook. **\$28.**

For Information regarding these publications, contact Ivan Aburto – His email is accessible from our web site at www.labgs.org



LABGS T-Shirts ON SALE

The LABGS sells T-Shirts to generate additional funds to help support our scholarship and field trip activities. The shirt displays the LABGS logo on the back with the words "LA Rocks" on the front. The price for shirts are \$15.00 and available at our luncheon meetings or by contacting Ivan Aburto (see contact list in this newsletter). Sizes are limited to Medium, Large, and Extra Large. **Buy one at the November Meeting for that Holiday gift giving to the earth scientist of your choice!**

Renew Your Annual Dues and Address Changes

The Pacific Section AAPG and LABGS operate on a fiscal year from July 1 to June 30. If you are a current member, you will receive a PSAAPG membership renewal notice this month in the mail. Please note, when you renew you are renewing for both LABGS and PSAAPG (for one low price of \$12).

If you haven't done so, take this opportunity to send in a check and update your mailing information. **Changes to the semi-annual directory will be closed very soon.** New directories will be printed in the winter of 2005 and will be included in your dues for the next fiscal year (the directory is one of the key benefits of joining the LABGS through PSAAPG).

Not a Member you say!!! Join and get on the LABGS Membership / Mailing List

Become a member of the LABGS and enjoy the benefits of membership. Our goal is to provide a value added service to the geologic community of the LA area at a reasonable cost. If you join the LABGS you also become a member of the PSAAPG and vice versa. The purpose of this is to reduce waste and duplicated effort. Check out the membership form for a list of the dual membership benefits. Membership is our primary source of income so I urge you all to join or renew. **To join or renew,** fill out the attached membership form and mail it in to PSAAPG or better yet bring it to the next meeting. This will ensure you are on our lists and the only way you can request a hard copy through the mail. The use of E-mail is our preferred method of distribution so please make sure we have your address.

SPECIAL SPEAKER

For the March 23 meeting we are trying to include a very special speaker, Professor Lee Gerhard. He is in Los Angeles to receive an award for his work. Professor Gerhard is a great speaker and one of the world's foremost experts on **global warming**. He is an AAPG member and rarely comes to California and this is a good chance to get a world class speaker on this very important topic.

Global Warming

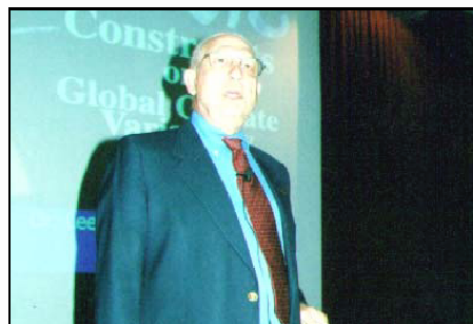


Photo by Amber Rothrock

President's Note

To all of our members,

2006 has started with a roar.! We had a great speaker for our January meeting (Bob Davis), and our Program Chair, Dick Brown, has been working overtime to line up even more great speakers through the next three meetings (see the speaker section and the note on the March speaker, Professor Lee Gerhard). We are actively looking for field trip leaders for our trips in conjunction with the National Meeting here in Long Beach in 2007. If you want to help with these field trips please contact an officer now.

Thanks!

Jon



Your gift to The AAPG Foundation is an amazing opportunity. It allows you to guarantee three things: generations of students will get the kind of help that made your career possible; your Alma Mater will continue to educate the leaders in our field; and you will be supporting the AAPG Foundation in amassing this critical Digital Library.

Give to the Foundation Digital Products Alumni Fund today!

My one-time gift of \$12,500 to the AAPG Foundation will endow a university subscription at my Alma Mater, providing the entire online AAPG/Datapages Digital Library to students as long as it has a geology department.

Feature the following name prominently on the University's access page – the gateway to AAPG's Digital Library:

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For more information contact:

Attn: Rebecca Griffin
rgriffin@aapg.org
(918) 560-2644
Toll-free: 1-888-945-2274 ext. 644

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Foundation
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Contact Us – The LABGS Board

President: Jon Kuespert (213) 225-5900
jkuespert@breitburn.com

Program Chair: Dick Brown (562) 598-0595
dickbrowngeo@adelphia.net

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iaburto@breitburn.com

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OUR WEB SITE ADDRESS IS:
www.labgs.org

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Los Angeles Basin Geological Society Membership Form

Join the LABGS and become a member of the Pacific Section AAPG all for one low price of \$12.00 per year - 2 West Coast Geoscience Organizations for the price of one



Membership Benefits

- LABGS Membership
- Monthly Luncheon Meetings with Strong Technical Programs
- Pacific Section AAPG Membership
- Pacific Section AAPG Bi-Monthly Newsletter
- Discounts for PSAAPG Bookstore Publications
- Bi-Annual West Coast Geoscience Directory - *next edition 6/03*
- Networking and Social Opportunities with Fellow Geoscientists

Current Annual LABGS/PSAAPG Dues

1 Year Option = \$12.00 \$ _____
3 Year Option = \$36.00 \$ _____

Extended E-Mail Announcement List Fees

To receive meeting notices from SJGS and CGS

1 Year Option = \$12.00 \$ _____
3 Year Option = \$36.00 \$ _____

PSAAPG Foundation Contributions

B. Hacker Publication Fund \$ _____
Martin Van Couvering Fund \$ _____
Dibble Map Foundation \$ _____
California Well Sample Repository \$ _____
John Kilkenny Scholarship Fund \$ _____
PSAAPG Foundation Trust Fund \$ _____

TOTAL PAYMENT

Total Amount Enclosed \$ _____

Essential Member Information

Last Name _____
First Name _____
Middle Initial _____
E-Mail Address _____
Mail Address _____
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Additional Directory Information

Employer _____
Position / Title _____
Bus Phone # _____
Res Phone # _____
Fax Phone # _____
Spouse's Name _____
Education *Highest Degree* _____ *Year* _____
School _____

Signature _____

Annual membership is handled through PSAAPG and runs from July 1, through June 30. If you are already a current member of PSAAPG and you selected LABGS affiliation you are already a member of the LABGS.

**Please Make Checks out to PSAAPG and mail along with member form to:
PSAAPG P.O. Box 1072, Bakersfield, CA 93302**