



September 2003

Los Angeles Basin Geological Society Newsletter

September Meeting: Dr. Kim Bishop speaking on Mega Landslides and Tectonic Interpretations

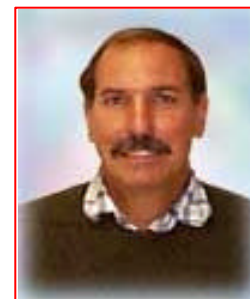
Speaker Synopsis / Abstract

Mega-landslides and Tectonic Interpretations: Three Examples from Southeastern California

Interpretation and misinterpretation of ancient mega-landslides in the Owens Valley and Avawatz Mountains of southeastern California have ramifications to understanding regional tectonics. In the Owens Valley, the Poverty Hills rock avalanche mass has been incorrectly interpreted as a bedrock uplift related to activity of the Owens Valley fault, thereby leading to an incorrect interpretation of the fault's structure and history. The Bishop and Big Pine landslide surfaces have been incorrectly identified as tilted erosional surfaces, leading to the mistaken notion of a half-graben structure for the northern part of the Owen's Valley. Finally, long-runout rock avalanches in the Avawatz basin provide strong evidence that a tectonically significant allochthon consisting of Paleozoic carbonate previously covered Mesozoic metavolcanics in the Soda Mountains. This allochthon represents an important, but previously unknown, tectonic episode in the Mesozoic history of southern California. These three examples demonstrate that identification and study of mega landslides can have geologic significance beyond the understanding of surgical processes.

Dr. Kim Bishop is an Associate Professor of Geology at California State University, Los Angeles. He specializes in teaching courses on engineering geology, structural geology, and tectonics. His undergraduate work was completed at UCLA and graduate work at USC. Prior to teaching, he spent 8 years working in engineering geology consulting, first at Gessoes, Inc. and then at Pacific Soils Engineering, Inc. Contact Dr. Bishop via email at kbishop@calstatela.edu

Dr. Bishop



Time, Place, And Cost

Time:

September 25, 2003 4th Thursday of each month

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:

Lunch and Speaker: \$17.00 with reservations

\$20.00 without reservations

Student: \$ 6.00 (Lunch and Speaker)

Reservations:

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

LABGS Future Meetings

Lunch meetings are held at *The Grand at Willow Street Conference Center*. Lunch starts at 11:30 AM

<p style="text-align: center;">2003 Fall Speaker Schedule</p> <p>September 25, 2003 – Kim Bishop Mega-Landslides and Tectonic Interpretations: Examples from S. Cal</p> <p>October 23, 2003 TBA</p> <p>November 20, 2003 (3rd Thursday of Month) TBA</p> <p>December 25, 2003 No Meeting – Merry Christmas</p>
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Announcements / Information

LABGS Board Effected by Career Moves

This past summer brought several changes for two of the LABGS board members, Vice President Mike Mills and Treasurer Kristi Darby.

Kristi moved to Baton Rouge, Louisiana in Late August as her husband, Brian Darby, took a position at LSU as an Assistant Professor in Structural Geology. Kristi served as Treasurer from July 2001 to August 2003. Kristi's enthusiasm for keeping our accounting accurate and her desire to promote LA geology among local geologists and K-12 educators will be missed. We would like to thank Kristi for her 2 years of dedicated service to the LABGS.

Mike also moved this summer as a result of being transferred to from Pacific Soil's Cypress office to their Riverside office. Over the past year Mike has been responsible to putting together our technical program for our monthly meetings. Mike did a great job diversifying our program to reach a wider audience. Mike scheduled some great talks and from member feedback and

attendance, the programs were very successful. Prior to serving as the LABGS Vice President and program chair, Mike served as the Society's Secretary from July 2001 to July 2002. We would like to thank Mike for dedicating 2 years of his life to advance geology in the LA basin

Wanted: 2 Board Members

With the departure of Mike and Kristi, the board is now comprised of only two members. If you are interested in getting involved in the LABGS now would be a good time to start. There are two positions open, Treasurer and Vice President. No experience required. The only requirement is that you are have integrity and are committed to serving the members of the LABGS for the year. New ideas and enthusiasm are desired. Contact Dalton Lockman if you are interested. [These are vital positions to the leadership and future of the LABGS.](#)

Don't Forget About our Web Site www.labgs.org

Our web site may be accessed at www.labgs.org. It is a great place to keep informed over what is going on in the LABGS. We are undergoing several changes this summer to make it more useful to you our members. If you have any suggestions for improvement, please contact any of our board members. If you haven't noticed, you will discover that you can access our newsletter, make reservations for the lunch meeting, contact an LABGS officer, or learn about LA Basin Geology by touring the LA Basin Geology 101 tab.

Contact Us – The LABGS board

President: Dalton Lockman (323) 298-2242
dlockman@plainsxp.com

Secretary: Ivan Aburto (213) 225-5900, ext. 234
iaburto@breitburn.com

<p style="text-align: center;"><u>Your Name Here!</u></p> <p style="text-align: center;"><i>Advertising in this newsletter is now available! Advertising rates for a business card size add are \$60.00 for six issues. These fees help offset our publishing costs. If interested, please contact Dalton Lockman</i></p>
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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.

LABGS Member Awarded Best Poster at 2003 PSAAPG Long Beach Meeting

The winner for the best poster at the 2003 Pacific Section AAPG convention held in Long Beach May 21 –23 is **Robert D. Francis**, Professor at CSU, Long Beach. Dr. Francis presented the poster entitled *Segmentation in the Palos Verdes Fault, San Pedro Bay and Detachment Attenuation within the Inner Continental Borderland, Offshore Southern California*. The paper was co-authored by **Mark Legg** of Legg Geophysical, and **Don Hallinger** of Cerritos College.

The H. Victor Church Memorial Award is given by the Pacific Section American Association of Petroleum Geologists in recognition of the best poster presented at the annual Pacific Section meeting. The H. Victor Church Memorial Award was established as the result of individuals wanting to build a lasting memorial to the technical prowess of H. Victor Church. The focus of the award is on creative thinking toward new ideas in exploration, development geology, or foundational geology. Peers judge the posters at each session, scores compiled and reviewed by the convention judging committee to determine the overall winner.

The Award is a beautiful walnut plaque with a brass seal of the Association and a large brass plate engraved with the name of the award, the name of the sectional meeting, and the name of the author whose poster is judged best. The formal presentation of the award will be made at the 2004 Pacific Section meeting in Bakersfield.

3 Southern Cal Students Awarded AAPG Grants-in-Aid

The AAPG Foundation announces recipients of its 2003 Grants-in-Aid Program. The program is designed to provide funding assisting graduate students with geoscience research.

This year the AAPG foundation received 331 applications. These were reviewed and ranked against each other. Grants were then awarded to 97 applicants with grants ranging from \$500 to \$2,000. The total funding for all grants equaled \$167,000. Grants given to students in the LA Basin include:

Cathleen Zeleski, MS, Long Beach State; **Diana Boyer**, PhD UC Riverside; and **William Phelps**, PhD, UC Riverside.

DAVID B. DEL MAR

Consulting Petroleum Geologist
California Registered Geologist # 634

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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 _____

Res or Bus ? _____

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**