



October 28th (Thursday) Richard J. Behl, Department of Geological Sciences, California State University Long Beach will speak on:

The Miocene Monterey Formation of California: Primary and Diagenetic Variability

Abstract

The Miocene Monterey Formation is a remarkably siliceous and organic-rich deposit with stratigraphic equivalents that extend across much of California and the Pacific Rim. It is California's primary petroleum source rock and an important reservoir in some areas. Monterey-like facies accumulated around the Pacific Rim from ~17-5 Ma in response to a complex combination of conditions, including tectonic reorganization and localized subsidence, high eustatic sea-level, intensification of coastal upwelling, and establishment of the modern "oceanic conveyor" circulation. In spite of its importance to the petroleum industry, its possible role in Miocene climate change, thousands of subsurface penetrations, and spectacular and widespread exposures, the Miocene Monterey Formation of California still holds many secrets, and the last broad thrust in research in the Monterey Formation and related siliceous sediments was in the 1970's to 1980's. With the recognition of the staggering potential of shale gas and oil resource plays, a new look at the reservoir potential of the Monterey is necessary. How much of its varied lithostratigraphy reflects global vs. local environmental conditions? How do facies in the formation vary laterally? How is primary sedimentary composition preserved in the amazingly complex diagenetic rocks? How can we better date and correlate the formation? How does Monterey stratigraphy reflect climatic and sea level cyclicity and does it really fit in a sequence stratigraphic framework? How best can we compare the Monterey Formation with the

present or recent? How does diagenesis and deformation vary with depositional environment, primary composition and structural setting? This presentation will review the current understanding of these problems, explores recent work that applies to them, and poses research directions important to the exploitation and investigation of the Monterey Formation and its equivalents.

Speaker's Biography

Richard (Rick) Behl is Professor of Geological Sciences at California State University Long Beach, where he is also on the faculty of the Environmental Sciences and Policy program, and a founding member of IIRMES (the Institute for Integrated Research in Materials, Environment and Society) - a teaching and research consortium of geologists, archaeologists, and biologists. Rick is a past AAPG Distinguished Lecturer, former President of the Pacific Section SEPM, Pacific Section AAPG Distinguished Educator and winner of CSULB's Distinguished Faculty Teaching Award. His expertise is in sedimentary geology, particularly as it relates to the climatic, oceanographic, tectonic, and diagenetic evolution of the California margin. Behl is the Director of the newly created "Long Beach MARS (Monterey and Related Sediments) Project", an academic-industry partnership focused on the advancing understanding of the stratigraphy, diagenesis, and structural deformation of the Monterey Formation and similar deposits around the world.

Meeting Time, Place, Cost and Reservations

Time:

Thursday, Oct 28th, 2010

Typical Meeting Agenda

Lunch Served: 11:30 AM to 12:00PM
Announcements: 11:45 AM to 12:00 PM
Guest Speaker: 12:00 PM to 12:30PM
Questions/Close: 12:30 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: **\$20.00 with reservations**
\$25.00 without reservations
Student: **FREE (Lunch and Speaker)**


Meeting Reservations:

Make your reservations using our web site at www.labgs.org, or by calling Bill at (213) 448-2841, or emailing william.long@breitburn.com. Reservations made prior to Tuesday before the meeting is appreciated, but walk-ons are welcome.

Student Sponsorship

Looking for Student Lunch sponsors - If you or your Business/Organization would like to become a Student Lunch Sponsor, please let us know.

Los Angeles Basin Geological Association Advertising Costs 2008-2009		
<u>Newsletter and SoCal website posting:</u>		
• Business Card size ad	\$25/month	\$230/year
• 1/4 Page	\$45/month	\$450/year
Website posting only: \$20/month		



2011 LABGS Speaker/Event Schedule

No meeting November & December – Holiday Break. On January 28th, 2011 – Speaker tentatively is Don Gautier from the USGS coming to talk on ‘Growth Reserves of the LA Basin’. January is usually a Joint meeting with the LA Association Petroleum Landmen.

Contact Us – The LABGS Board

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OUR WEB SITE ADDRESS IS:
www.labgs.org

LABGS Don Clark Brunton Award

Congratulations Wynee Hu, she has won the 2010 Don Clark Brunton Award. Graduating in late Spring 2010 from CSULA with a M.S. Geological Sciences, Environmental Hydrogeology option. Wynee was nominated for this award by Dr. Ivan P. Colburn of CSULA, Prof. Emeritus Dept. of Geological Sciences who provided the scholarship committee with her qualifications and a letter of recommendation.

The LABGS Don Clarke Brunton Award was created as an annual gift of encouragement and recognition to those community college students who show dedication and passion to the field of geoscience. It is our goal to encourage future geoscientists in their pursuits.

Other Events

2011 PacSec-AAPG Technical Program

The technical committee welcomes abstracts for the 2011 convention to be held in Anchorage, Alaska. The theme is "Arctic to the Cordillera: Unlocking the Potential". Consider submitting an abstract for an oral or poster session presentation @ <http://aapg2011ps.abstractcentral.com>. Abstract submittal deadline is February 11, 2011. So do not delay. The Technical Program will consist of a broad range of topics that focus on challenges and advances in Geoscience, Technology and Integrated Interpretation.

LABGS Brunton Award

We have a 2010 Winner, Melissa Bernardino, Student of Geological Sciences @ CSULB. Congratulations Melissa!!!!!!

Melissa was nominated for this award by Dr. Richard J. Behl, Prof. and Undergraduate Advisor Dept. Geological Sciences, CSULB, who provided the scholarship committee with her qualifications and a letter of recommendation. 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.

TOTY

The Los Angeles Basin Geological Society will award \$250 in May of 2011 for Excellence in the Teaching of Natural Resources in the Earth Sciences. The winner of this award will also be eligible for consideration by the Pacific Section of the American Association of Petroleum Geologists for their award of the same name. The award will be a \$250 certificate for the winner's use for their school or for that teacher to attend science conferences or training seminars.

Requirements are a minimum of three full years full-time teaching experience at any level K-12. Teaching at least one unit per year on natural resources. Entries will include a brief description of the teacher's philosophy of the teaching of natural resources, a description of the unit with outline, Vita, and two letters of recommendation: one from a colleague and

one from an administrator. The unit will be evaluated on depth and breadth of concepts, creativity of presentation, and balanced treatment of information regarding societal need and environmental issues. Nominations may be made either by the teacher wishing to be considered for the award or by someone familiar with a particular teacher's performance and credentials. For further information and entry forms contact:

Los Angeles Basin Geological Society
Attn: Karla Tucker
18763 Fairfax Ln., Huntington Beach, CA 92648
(714)841-4546 ktkr2@aol.com

Entries must be postmarked by March 31, 2011. Winner will be announced in May 2011. Please see our website www.LABGS.org, for application.



President's Note

To all our members,

This is the last talk before our Holiday break begins. So come and participate.

Time to step up and participate in this organization. We are looking to fill our VP & Program Chairperson slot, Greg Hummel is leaving us for the Coastal Society, better suites his professional focus at this time. Let anyone of our committee members know of your interest.

Also, remember that the upcoming Pacific Section AAPG & Western Region SPE Convention is in Anchorage, Alaska on May 9-11th, 2011. They are calling for abstracts now, to be submitted no later than February 11, 2011. Get started on yours.

Bill



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

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John Kilkenny Scholarship Fund \$ _____
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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**