



September 2014

LOS ANGELES BASIN GEOLOGICAL SOCIETY MEETING ANNOUNCEMENT

September 25 (Thursday)

Dr. Richard Behl

The Role of Climate, Oceanography, Tectonics and Environment in Mudstone Deposition on the Miocene to Quaternary California Margin

Abstract

Fine-grained sedimentary deposits - mudrocks - are a mystery. Sandstones and carbonates, with their bold and exciting sedimentary structures, grain size variations and macrofossils are easier to investigate and understand for most geologists. But mudstones, shales and the related fine-grained biogenic rocks - diatomite, porcelanite, chert, marl, etc. - make up 2/3's of all sedimentary rocks. How can we ignore them?! Because they are generally deposited in deeper, lower-energy environments, they make up the most complete and continuous records of Earth history, but specialized approaches must be taken, giving rise in importance to chemostratigraphy, isotope stratigraphy and the flourishing fields of paleoceanography and paleoclimatology.

We have learned much about the climatic, oceanographic, and tectonic evolution of the California Margin from mud and mudrocks. This

presentation will be a walk through some of the "greatest hits" of the past 15 million years along the California margin, combining results from onshore and offshore studies. Among these are Miocene responses to global cooling and growth of the Antarctic ice sheet and tectonic reorganization of the margin's shoreline and bathymetry; influence of Miocene-Pliocene compressive tectonics on sediment distribution and composition; and Quaternary rapid warming events, fluctuations in the oxygen minimum zone along California, ecosystem overturn, influences of volcanic eruptions, and climatic control of episodic natural oil and gas venting from the seafloor.

Speaker's Biography

Richard J. (Rick) Behl is Professor of Geological Sciences at California State University Long Beach, and Director of the MARS Project (Monterey And Related Sediments). Behl earned his Bachelors degree from UC San Diego and a

PhD at UC Santa Cruz. His expertise is in sedimentary geology, particularly the climatic, oceanographic, and tectonic evolution of the California margin. He has written more than 45 peer-reviewed, scientific articles and one controversial book. Behl and his students have made more than 130 conference presentations at regional through international conferences. Behl has led dozens of field trips for professionals and frequently consult for industry. He was recognized as AAPG Distinguished Lecturer in 2003-2004, Distinguished Educator of the AAPG-Pacific Section in 2010, and Fellow of the Geological Society of America in 2012. Most recently, Rick is proud to be the recipient of the 2014 "Pretty Darned Good Professor" Award of CSULB's College of Natural Sciences and Mathematics.

Meeting Time, Place, Cost and Reservations

Time:

Thursday, June 26th, 2014

Meeting Agenda

Lunch Served: 11:30 AM to 12:00PM
Announcements: 11:45 AM to 12:00 PM
Guest Speaker: 12:00 PM to 12:45 PM
Questions/Close: 12:45 PM to 1:00 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: \$25.00 with reservations
\$30.00 without reservations
Retired: \$20.00
Student: \$5.00

Meeting Reservations:

Make your reservations using our web site at www.labgs.org, or by calling Graham Wilson (562)-326-5278, or emailing gwilson@shpi.net.

PLEASE Make:☺ Reservations must be made by 10:00 AM Tuesday morning prior to Thursday's meeting to receive discount price noted above. As always walk-ins 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.

Special News

Our former VP, Greg Hummel, is battling ALS and YOU can help!

Just go to www.walktodefeatals.org and find the team; Strider77 and donate whatever you can. You can help put this disease into the past.

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Fundamentals of Core Analysis School

October 14, 15, & 16, 2014

(8:30 am-4:30 pm)

3437 Landco DR.

Bakersfield, CA. 93308

(661-325-5657)

Cost: \$750.00 per person

REGISTER FOR THE COURSE

Registration deadline is October 4th

Please register at

Linda.specht@corelab.com

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