



September 2012

## LOS ANGELES BASIN GEOLOGICAL SOCIETY MEETING ANNOUNCEMENT

**September 27th (Thursday) Dr. Donald R. Prothero**, Dept. Physics & Planetary Sciences, Pierce College; Research Associate in Vertebrate Paleontology, Natural History Museum of L.A. County

**will speak on:**

### **MAGNETIC STRATIGRAPHY OF THE PACIFIC COAST CENOZOIC**

#### **Abstract**

Correlation of the Cenozoic marine and non-marine sedimentary rocks of the Pacific Coast has long been difficult, since they seldom have datable ash layers. Much of the dating was done with benthic foraminifera, which are notoriously time-transgressive and depth-controlled. But in the past 20 years, magnetic stratigraphy has been applied to most of the type sections of molluscan and foraminiferan stages of Cenozoic rocks from British Columbia to Baja California. In this talk, we will look at some of the major conclusions of that research, and see examples from new research on the classic oil-bearing Miocene-Pliocene strata of the Etchegoin Group in the Reef Ridge and Kettleman Hills area.

#### **Speaker's Biography**

Donald R. Prothero has taught college-level paleontology and geology for 33 years. He now teaches at Pierce College in Woodland Hills, but from 1985 to 2012, he was Professor of Geology at Occidental College in Los Angeles, and Lecturer in Geobiology at the California Institute of Technology in Pasadena. He earned his M.A., M.Phil., and Ph.D. degrees in geological sciences from Columbia University, and a B.A. in geology and biology (highest honors, Phi Beta Kappa) from the University of California, Riverside. He is currently the author, co-author, editor, or co-editor of 35 books and over

250 scientific papers, including five leading geology textbooks and six trade books as well as edited symposium volumes and other technical works. He is on the editorial board of *Skeptic* magazine, and in the past has served as an associate or technical editor for *Geology*, *Paleobiology*, and *Journal of Paleontology*. He is a Fellow of the Geological Society of America, the Paleontological Society, and the Linnaean Society of London, and has also received fellowships from the Guggenheim Foundation and the National Science Foundation. He has served as the President and Vice President of the Pacific Section of SEPM (Society of Sedimentary Geology), and five years as the Program Chair for the Society of Vertebrate Paleontology. In 1991, he received the Schuchert Award of the Paleontological Society for the outstanding paleontologist under the age of 40. He has also been featured on several television documentaries, including episodes of *Paleoworld* (BBC), *Prehistoric Monsters Revealed* (History Channel), *Entelodo*, and *Hyaenodon* (National Geographic Channel) and *Walking with Prehistoric Beasts* (BBC).

***Come and enjoy – Learn about the latest concepts regarding Magnetic Stratigraphy!***

## Meeting Time, Place, Cost and Reservations

### Time:

**Thursday, Sept 27th, 2012**

### 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: \$5.00 (Lunch and Speaker)**

### Meeting Reservations:

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

***Reservations made prior to Tuesday before the meeting is appreciated, but reservations up to the day before the meeting will be honored.*** As always walk-ins are welcome.

By the way PayZone Inc. will be offering two training courses in October, in Bakersfield:

**Working with Ancient Electric Logs** October 2, 2012  
**Advanced Shaly Sand Analysis for California** 23-25, 2012

Course descriptions and details are available on our website: [www.payzoneinc.com](http://www.payzoneinc.com); If you have questions contact: Thomas Howard - Geologist / Petrophysicist / Image Analyst, PayZone Inc., [www.payzoneinc.com](http://www.payzoneinc.com) [tomh@payzoneinc.com](mailto:tomh@payzoneinc.com), 832 407 2862 cell.

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