



18th Annual W.S. Jardetzky Lecture

Honored Past Lecturers

Ellen Mosley-Thompson, 2012
The Ohio State University

Stephen R. Rintoul, 2010
CSIRO Marine and Atmospheric Research

Sallie W. Chisholm, 2009
Massachusetts Institute of Technology

Donald W. Forsyth, 2008
Brown University

Inez Fung, 2007
University of California, Berkeley

Barbara Romanowicz, 2006
University of California, Berkeley

Nicolas Gruber, 2005
Swiss Federal Institute of Technology Zurich

Alan R. Levander, 2003
Rice University

David M. Karl, 2002
SOEST, University of Hawaii

Veerabhadran Ramanathan, 2000
*Scripps Institution of Oceanography
University of California, San Diego*

John R. Delaney, 1999
University of Washington

Peter H. Raven, 1998
Missouri Botanical Garden

Sir Nicholas Shackleton (1937-2006), 1996
University of Cambridge

Dan McKenzie, 1995
University of Cambridge

Sean C. Solomon, 1994
*Lamont-Doherty Earth Observatory
Columbia University*

Edward A. Irving, 1993
Geological Survey of Canada

Frank Press, 1992
U.S. National Academy of Sciences

John P. Grotzinger

Fletcher Jones Professor of Geology
Division of Geological and Planetary Sciences
California Institute of Technology

Curiosity's Mission at Gale Crater, Mars

The Mars Science Laboratory rover, *Curiosity*, touched down on the surface of Mars on August 5, 2012. It was built to conduct an investigation of modern and ancient environments. *Curiosity* has a lifetime of at least one Mars year (~23 months), and drive capability of at least 20 km. The 155-km diameter Gale Crater was chosen as *Curiosity*'s field site based on its regional context and strong evidence for a progression through multiple potentially habitable environments, represented by a stratigraphic record of extraordinary extent, insuring preservation of a rich record of the environmental history of early Mars. Recent mission results will be discussed.

Thursday, 9 May 2013

3:30 to 4:30 p.m.

Monell Auditorium

Reception to follow

The Jardetzky lecture in geophysics honors the late Wenceslas S. Jardetzky, a renowned researcher and educator whose flourishing scientific career in Europe was halted by World War II and revived after he emigrated to the United States. From 1949 until his death in 1962, he was a research associate at Lamont-Doherty.

The Jardetzky lecture was established in 1992 by Dr. Jardetzky's son Oleg, who is the founder of the Magnetic Resonance Laboratory and professor of molecular pharmacology at Stanford University. In endowing the lectureship, Dr. Jardetzky said he hoped it would "help enrich the outstanding tradition of the Lamont-Doherty Earth Observatory, which provided a much cherished intellectual home to my father after he emigrated to this country."