

SECRETS IN STONE

The Role of Paleomagnetism in the Evolution of Plate Tectonic Theory

Presentation of the award-winning USGS video "Secrets in Stone" (35 minutes), introduced by Jack Hillhouse, Research Geophysicist, and followed by a tour of the USGS Paleomagnetism Laboratory

- Crucial discoveries in the early 1960's were made in a "tar-paper shack" at the USGS Menlo Park campus
- Learn how the old idea of "continental drift" was surprisingly revived by these discoveries and woven into the new theory of plate tectonics
- Hear about the strange behavior of the Earth's magnetic field: drift and occasional reversals of North and South poles
- Do we know when the next flip (reversal) of the Earth's magnetic field will happen?
- Tour the USGS Paleomagnetism Laboratory (Building 16 - see map on back) after the presentation and learn about the current research taking place there. All welcome.

Thursday, July 29, 2004, 7:00 p.m.

U.S. Geological Survey, Conference Room A, Bldg 3, Menlo Park, California

The Earth Science Information Center (Map and Publication Sales) in Building Three will remain open until 7:00 p.m. on the evening of the lecture. Map for lecture site on reverse. For information on USGS public events, call (650) 329-5000 or visit our website at <http://online.wr.usgs.gov/calendar/>

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