



THE
GEOLOGICAL
SOCIETY
OF AMERICA®

GEOLOGY

ISSN 0091-7613

JUNE 2007 ■ VOL. 35 NO. 6 ■ P. 481-576

Inside:

Pillow Talk in the Archean of Australia, p. 484

Aleutian Arc: Caldera Collects Consanguineous Cumulate Complex, p. 491

Ophiolite Mélange: What Goes Down Must Come Up! p. 499

Tectonic Essays, Mainly Andean, p. 503, 515, 523

Classifying Curves: Geological Origami, p. 519



About the Cover:

A sudden and violent eruption of the Karymsky volcano (Kamchatka Peninsula, Russia) during a 2004 volcanologic experiment. Historical records suggest that Karymsky volcano has been triggered repeatedly by tectonic earthquakes even at distances of more than 200 km. The systematic study of megathrust earthquakes shows that earthquake activity needs to be taken into account to understand the activity of volcanoes.

See, "Volcanic eruptions following $M \geq 9$ megathrust earthquakes: Implications for the Sumatra-Andaman volcanoes" by Walter and Amelung, p. 539–542.

Photo by: Thomas R. Walter, Falk Amelung

Cover design by: Margo Y. Sajban