

2008 THE OUTCROP

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Forms on pages 43-44:	
—Order <i>Bushels of Fossils, Roadside Geology of Wisconsin</i>	
—Geoclub T-Shirt Sales	
—Donations and Gifts to the Department—2009	

GEOBADGER ALUMNI RECEPTIONS AT MEETINGS IN 2009:

- **AAPG in Denver**, Monday, June 8, 2009
Room location to be announced, 5:30-7:30 pm
- **GSA in Portland**, Monday, October 19, 2009
Room location and time to be announced
- **AGU in San Francisco**, Tuesday, December 15, 2009
Room location and time to be announced

www.geology.wisc.edu/alumni/current_events/alumni_current.html

Cover Illustration: The Shallow-Core generated, or SCOR-field, hypothesis in which the main source of Earth's axial dipole magnetic field is assumed to come from depth within the outer core and be separated from and in "poor communication" with the mantle-influenced field source near the core-mantle boundary. During polarity reversals or field excursions, the main axial dipole decays in strength and the SCOR field becomes more important at Earth's surface. Observations of how Earth's magnetic field behaved in the past that led to the SCOR hypothesis come from oriented samples cored with a drill from sequences of lava flows, such as this one at Santa Maria Volcano, Guatemala. The timing of "fossilized" magnetic field behavior is determined via $^{40}\text{Ar}/^{39}\text{Ar}$ dating. (photo of J. Diehl and R. Escobar-Wolf, by Brad Singer)

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We'd like to hear from you! Send professional and personal updates, feedback, news and photos for *Outcrop 2009* (will be published spring 2010) to:

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