

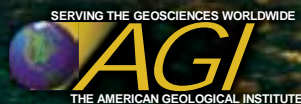
EARTH

Extinctions

WHO SURVIVES,
WHO DIES
AND WHY?

PLUS:

- Supervolcano sent Earth into a deep freeze?
- Speedy raindrops surprise scientists
- Paleo-artists get creative
- Field school: better than reality TV
- Typhoons trigger slow earthquakes
- Origins of Antarctica's ice



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FEATURE

DECIPHERING MASS EXTINCTIONS

Mass extinctions are a lot messier and more complicated than most people realize, but they are not necessarily random events. Scientists are uncovering some of the “rules” that mass extinctions follow and what these rules may say about the future of life on Earth.

Brian Fisher Johnson



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FEATURE

BREAKING THE ENERGY BARRIER

The Department of Defense is the world's single largest energy consumer. Because of its unique energy needs, the department is increasingly becoming a leader in energy research and development, and in implementing new energy technologies and using alternative fuels. Thus, the Department of Defense is poised to help solve the United States' energy woes and the world's energy challenges.

Michael E. Webber



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FEATURE

SURVIVING FIELD SCHOOL: Teaching Geology to Teachers Is Better Than Reality TV

Without firsthand experience of the process of scientific inquiry, many teachers — and thus their students — fail to appreciate the value of science. The University of Nebraska's three-week geology field course for future teachers seeks to remedy this problem by giving college students the chance to rediscover many of geology's fundamental principles.

Clay Farris Naff



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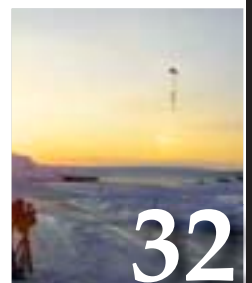
TRENDS AND INNOVATIONS

IN ARCTIC AIR:

Keeping Weather Balloons Aloft in Cold and Ice

Air pollution from some industrialized regions in the Northern Hemisphere may be affecting the Arctic. Weather balloons can help scientists figure out where the pollution goes, but first they have to design a balloon that can stand up to the Arctic's cold and ice.

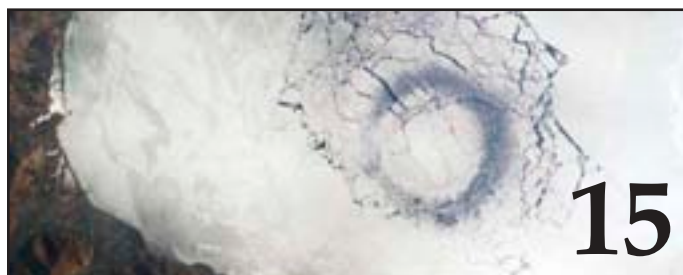
Amy Mayer



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Fred Schwab

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