Global Awareness Lecture
Fall 2006

Antarctic Dreams:
Still Life on the Ice with Meteorites

Jani Radebaugh

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Wednesday, 6 December
NOON
238 HRCB

Jani Radebaugh's main areas of research currently address new and exciting topics on three moons: dunes, mountains, and volcanoes on Saturn's moon Titan; volcanoes on Jupiter's moon Io; and odd outgassing phenomena on our own moon. The Antarctic Search for Meteorites (ANSMET) program, run by the National Science Foundation travels to the very deep field of Antarctica each summer season to look for pieces from outer space. "The 2005–06 field season was successful, in that we collected nearly 250 meteorites," said Radebaugh. "Other projects at the Miller Range field site included reconnaissance work for future meteorite searches, planting ice movement poles, and refining GPS measurements for satellite images and geologic maps." Her season on the ice presented obstacles and provided opportunities, as they were snowed in for the majority of the six-week project—a first in ANSMET's nearly thirty-year history. She will present a review of their adventures, with ample slides and movies (see http://geology.cwru.edu/~ansmet, if you're on the fence about coming). Radibaugh received a BS in physics (1993) and an MS in geology (1999) from BYU and a PhD in planetary sciences from the University of Arizona (2005). She fondly remembers her study abroad experience to London while an undergraduate student at BYU—an experience that fully infected her with the travel bug.

This lecture will be archived online. For more information on Kennedy Center events, see the calendar online at http://kennedy.byu.edu.

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