

## Photo Credits

- Front Cover**  
*Mammoth Mountains, California*
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*Aerial View of Lawrence Berkeley National Laboratory with Earth Sciences Division (Building 90) to the lower left.*
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*Barry Freifeld (left) and Tim Kneafsey (right) igniting a methane hydrate sample using ice as a starting material to investigate wettability and water and gas flow properties through hydrate-containing media. These laboratory samples, (among the largest ever made in the world) can help answer questions about extracting methane from deposits of natural hydrates, which contain many times more energy than known oil reserves.*
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*Hydrogeophysicist Susan Hubbard conducts field research between rows of grapevines at the Robert Mondavi Winery. She is dragging a surface geophysical device, called a ground penetrating radar, to map soil moisture in the vineyard. (Photo courtesy of Mike Kowalsky) From: Radar and Fine Wine: Innovative research uses radar to map soil moisture, create better wine grapes. By Sarah Yang, Media Relations, UC Berkeley Press.*
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*New plasma source mass spectrometer in the Center for Isotope Geochemistry provides capabilities for rapid, precise isotope ratio measurements of elements ranging in mass from Uranium and Thorium to Lithium.*
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*Photograph of the passive-discrete water sampler in the ECRB at Yucca Mountain. The passive-discrete water sampler has been designed to collect a series of water samples over an extended period of time from a seepage face. Pressure transducers located along individual stems provide a time stamp of each sample. Atlantis Czarnomski is shown recording samples.*
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All photographs by Roy Kaltschmidt (Technical and Electronic Information Department, LBNL), except where noted

Production Management: Maria Atkinson

Editor: Daniel Hawkes

Design and Production: Walter Denn

Publications List: Joyce Pfeiffer and Daniel Hawkes