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**COVER** An arctic ground squirrel, *Spermophilus parryii*, newly emerged from its hibernaculum in Alaska. During hibernation, arctic ground squirrels spontaneously and reversibly adopt core body temperatures as low as  $-2.9^{\circ}\text{C}$  without freezing. See page 1593. [Photo by Steve Moffitt, Department of Biology and Wildlife, University of Alaska, Fairbanks, AK 99775]

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