

# MRS BULLETIN

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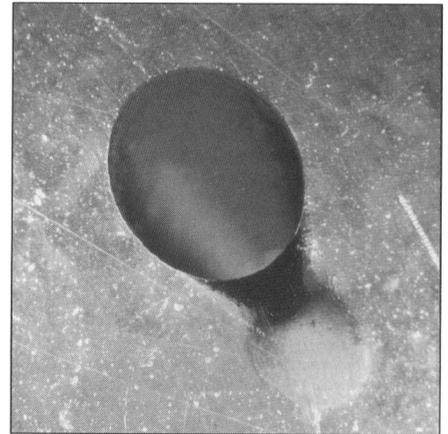
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**ON THE COVER:** Etched track of a cosmic-ray calcium ion that penetrated the Apollo 14 command module and traversed a polycarbonate plate. Etching of the track proceeded from both surfaces of the plate to produce the hourglass shape. The size and shape of the etched track allow the atomic number of the cosmic-ray nucleus to be identified, which is part of determining the radiation dose on the astronauts. Photo by Phillip A. Harrington. For more information on ion tracks, please see the section that begins on page 17.

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