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Cover

Scanning electron photomicrograph of 
a dissolution “micro-cave” in the mineral augite. The “stalactites” (which 
are 2 to 5 micrometers long) are actually undissolved augite remaining be-
tween coalesced, lens-shaped etch pits. 
Similar etch features are characteristic of pyroxene dissolution in nature and in 
the laboratory. See page 1205. [Alan S. Pooley, Peabody Museum, Yale Uni-
versity, New Haven, Connecticut]