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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 ac-
tually 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]