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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 between 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 University, New Haven, Connecticut]