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COVER

Ash and steam eruption of Mount St. Helens, Washington, 3 April 1980. The column rises to an elevation of approximately 4000 meters as it is blown downwind. Airborne spectrometric analysis of this and other plumes revealed only minor magmatic gas contribution to the eruptions during the first 16 days of activity. See page 1258. [Stanley N. Williams, Department of Earth Sciences, Dartmouth College, Hanover, New Hampshire]

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