Cover Photo

The cover illustration is a synthetic aperture, side-looking airborne radar (slar), 1:250,000-scale image mosaic of a part of the Cumberland  $1^{\circ} \times 2^{\circ}$  quadrangle that has been superimposed on an equivalent part of the 1968 State Geologic Map of West Virginia (also at a scale of 1:250,000) and photographed using a backlighted source of illumination. The slar image was acquired in 1982 using the Goodyear radar system.

The area shown is part of the Valley and Ridge province and is centered on Moorefield, West Virginia. The physiographic information provided by the radar image (drainage, fracture patterns, and discontinuities in bedding traces), combined with the color-coded stratigraphic information from the geologic map (see Table 1, page 1467), aids in the correlation of similar structures as well as identification of anomalous geologic trends.

The cover image was produced by C. Scott Southworth and Howard A. Pohn, U.S. Geological Survey (USGS). The State Geologic Map of West Virginia was used with permission of the West Virginia Geological and Economic Survey. For information on this image and the USGS' SLAR program, see pages 1467-1470.

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