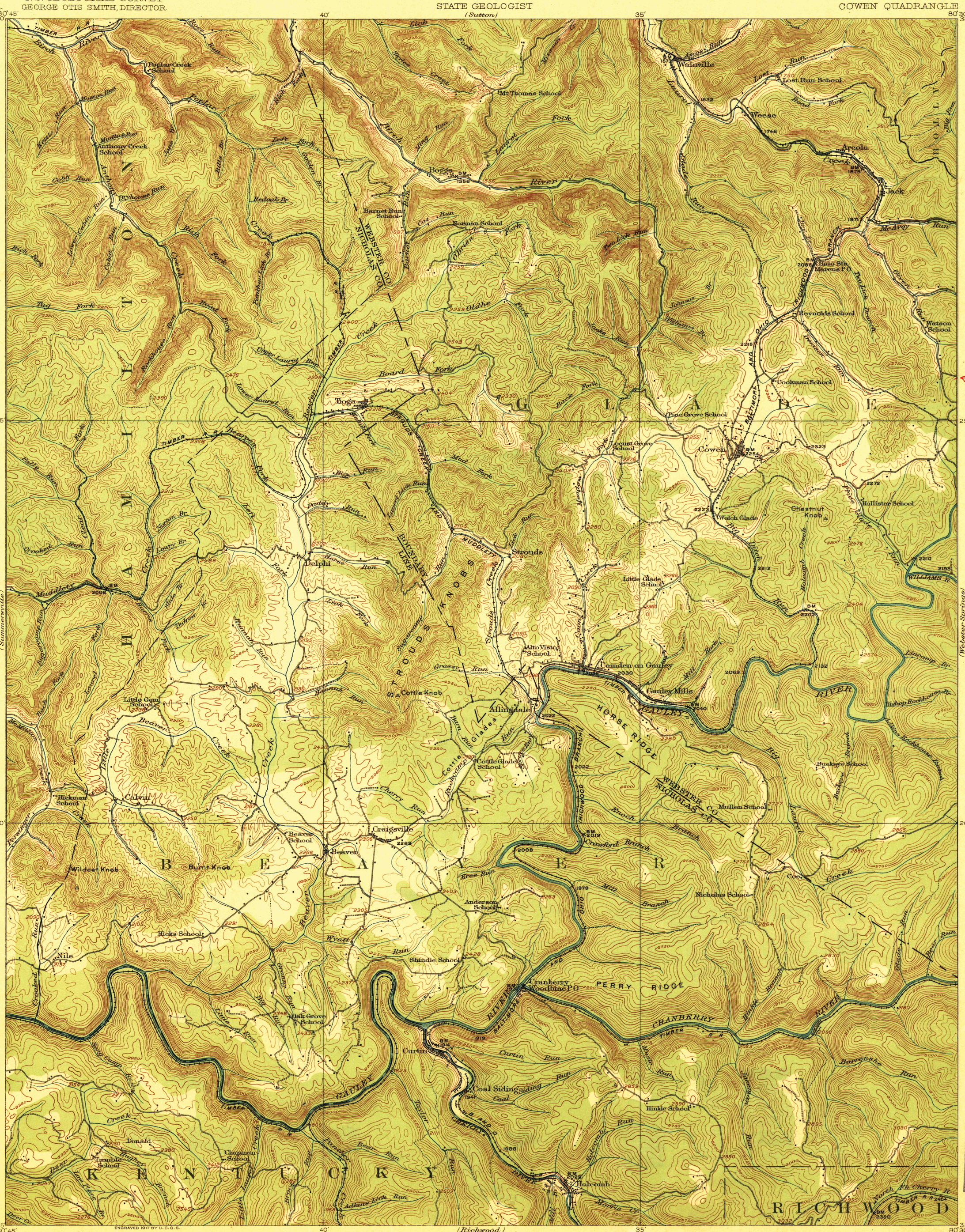
DEPARTMENT OF THE INTERIOR
FRANKLIN K. LANE, SECRETARY
U. S. GEOLOGICAL SURVEY
GEORGE OTIS SMITH, DIRECTOR

TOPOGRAPHY

STATE OF WEST VIRGINIA
I. C. WHITE
STATE GEOLOGIST

WEST VIRGINIA
COWEN QUADRANGLE



R. B. Marshall, Chief Geographer.
Frank Sutton, Geographer in charge.
Topography by E. I. Ireland, W. H. S. Morey, and F. W. Farnsworth.
Control by Oscar Jones, H. S. Senseney, and Hargrave Wood.
Surveyed in 1915.

SURVEYED IN COOPERATION WITH THE STATE OF WEST VIRGINIA.

Ireland and Farnsworth — Morey — Ireland

Scale $\frac{1}{62500}$

1 ½ 0 1 2 3 4 Miles

1 ½ 0 1 2 3 4 5 Kilometers

Contour interval 50 feet.
Datum is mean sea level.

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION

Edition of 1917.

DEC 31 1917 1960
USGS
Historical File
Topographic Division

COWEN

U. S. G. S.
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