

AREAL GEOLOGY

U.S. GEOLOGICAL SURVEY
GEORGE OTIS SMITH, DIRECTOR

STATE OF PENNSYLVANIA
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COMMISSIONERS
(Pottsville)

PENNSYLVANIA
BARNESBORO QUADRANGLE



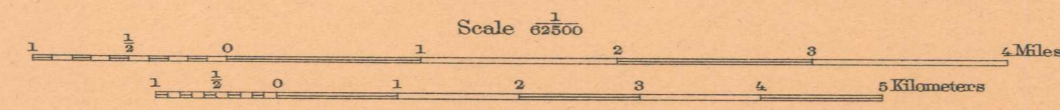
LEGEND

SEDIMENTARY ROCKS

(Areas of subaqueous deposits are shown by patterns of parallel lines, subaerial deposits by patterns of dots and circles)

- | | | |
|----------------------|---|---------------|
| Recent series | <div style="border: 1px solid black; width: 20px; height: 10px; background-color: #f0e68c; margin: 0 auto;"></div> <p style="text-align: center; margin: 0;">Qal
Alluvium
<i>(in flood plains of present streams)</i></p> | QUATERNARY |
| Pennsylvanian series | <div style="border: 1px solid black; width: 20px; height: 10px; background-color: #c0c0c0; margin: 0 auto;"></div> <p style="text-align: center; margin: 0;">Ccm
Conemaugh formation
<i>(shale thin limestone, some red shale, thin coal beds locally workable, and coarse thick-bedded sandstones comprising the Marytown, Cent. Schuylkill, Cb, and Buffalo, Cb, members)</i></p> | CARBONIFEROUS |
| | <div style="border: 1px solid black; width: 20px; height: 10px; background-color: #808080; margin: 0 auto;"></div> <p style="text-align: center; margin: 0;">Ca
Allegheny formation
<i>(shaly light and dark gray clay shale with variable beds of coarse gray sandstone and several valuable coal beds. Upper Triassic coal at top)</i></p> | |
| | <div style="border: 1px solid black; width: 20px; height: 10px; background-color: #d0d0d0; margin: 0 auto;"></div> <p style="text-align: center; margin: 0;">Cpv
Pottsville formation
<i>(thick bedded sandstone with shale in the middle carrying thin coal locally workable)</i></p> | |

H. M. Wilson, Geographer in charge.
Triangulation by A. H. Thompson.
Topography by Frank Sutton, E. I. Ireland, and J. S. B. Daingerfield.
Surveyed in 1902 in cooperation with the State of Pennsylvania.



Contour interval 20 feet.
Datum is mean sea level.
Edition of May 1913.

Geology by Marius R. Campbell, Frederick G. Clapp, and Charles Butts, assisted by J. S. Burrows.
Surveyed in 1903-4 and 1909.
SURVEYED IN COOPERATION WITH THE STATE OF PENNSYLVANIA.