

AREAL GEOLOGY

STATE OF PENNSYLVANIA
 GEORGE W. MCNEES, RICHARD R. HICE, ANDREW S. MCCREATH
 COMMISSIONERS
 (Sewickley)

PENNSYLVANIA
 CARNEGIE QUADRANGLE

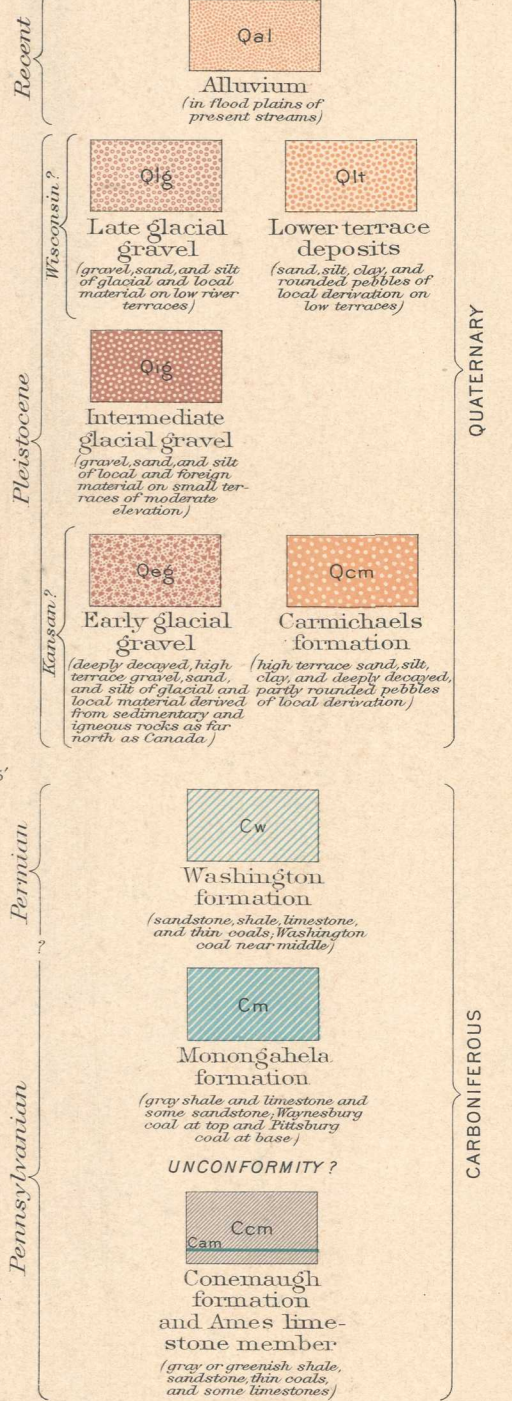
U.S. GEOLOGICAL SURVEY
 GEORGE OTIS SMITH, DIRECTOR



LEGEND

SEDIMENTARY ROCKS

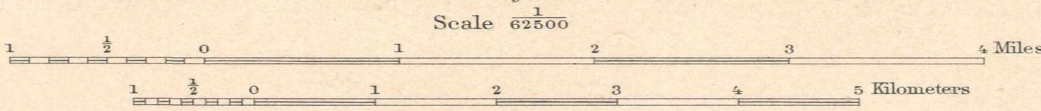
(Areas of subglacial deposits are shown by patterns of parallel lines, subaerial deposits by patterns of dots and circles)



QUATERNARY

CARBONIFEROUS

F. M. Wilson, Geographer.
 Frank Sutton and Robt. D. Cummin, in charge of section.
 Topography by E. B. Clark, J. H. Wheat, A. C. Roberts, and E. G. Hamilton, Assistant, J. S. B. Daingerfeld, and various city, town, and park surveys.
 Control by D. H. Baldwin, Robert Coe, and C. A. Clunet.
 River shoreline by U.S. Army Engineers.
 Surveyed in 1903-1904.



Contour interval 20 feet.
 Datum is mean sea level.
 Edition of Aug. 1910

Geology by F. B. Peck, G. C. Martin, and E. W. Shaw.
 Surveyed in 1906, 1907, and 1909.

SURVEYED IN COOPERATION WITH THE STATE OF PENNSYLVANIA.