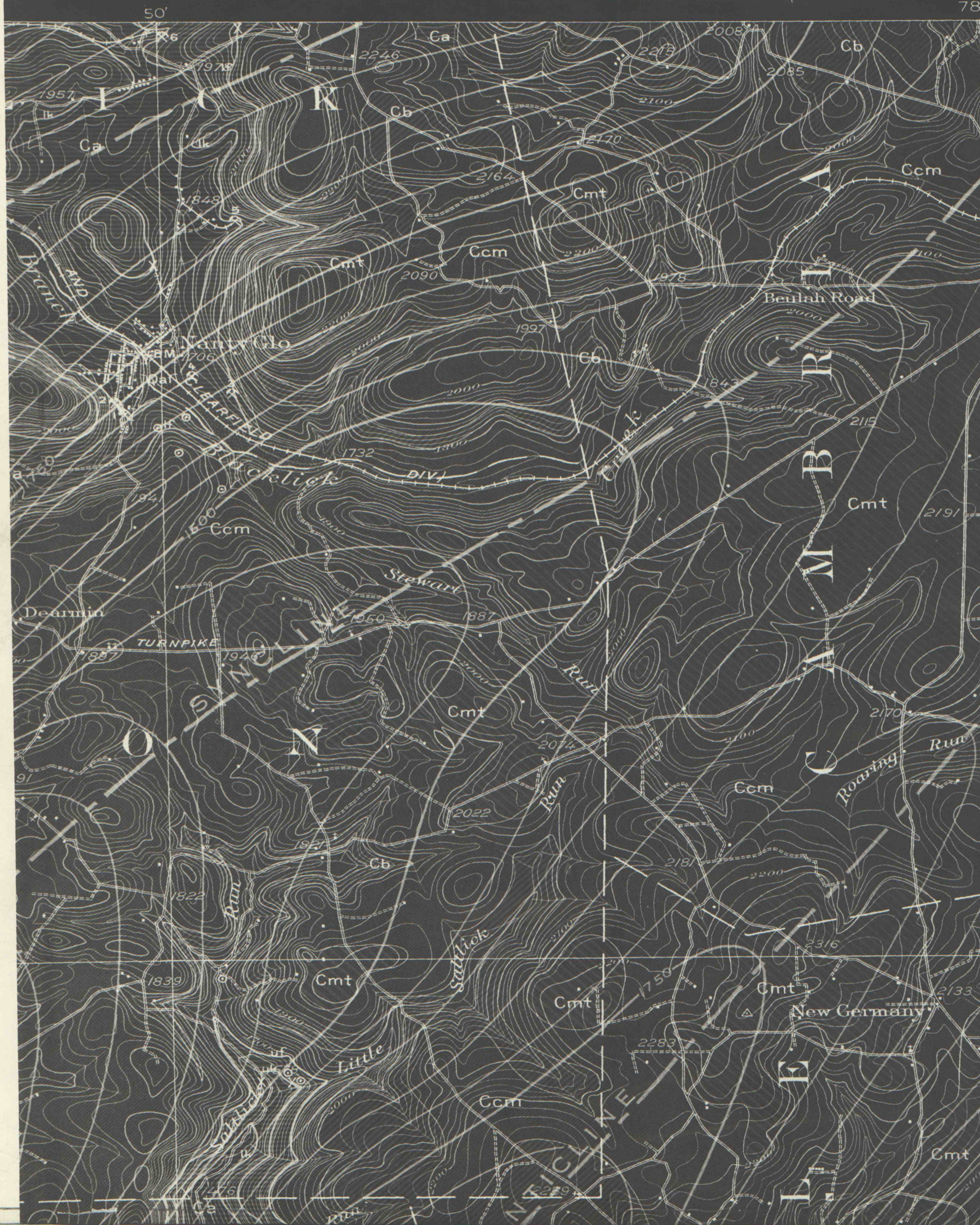


GEOLOGY

MC CREATH

PENNSYLVANIA
JOHNSTOWN QUADRANGLE

78°45' (Patton)
40°30'



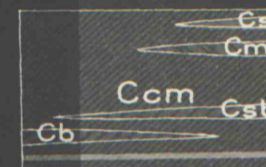
LEGEND

SEDIMENTARY ROCKS

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

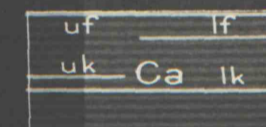


Alluvium
(only the larger areas shown)



Conemaugh formation

(shale with several thin coal beds, limestones, fire clay, some red shale, and heavy-bedded sandstones comprising the Summerhill, Cs, Morgantown, "Ebensburg", Cm, Saltsburg, Csb, and Buffalo, Cb, members)



Allegheny formation

(chiefly gray and dark shale, with local beds of heavy sandstone and several workable coal beds)



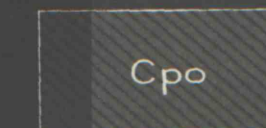
Pottsville formation

(heavy-bedded sandstone with shale bed containing locally a thin coal bed and flint clay)



Mauch Chunk shale

(red and green shale with a thick bed of gray sandstone)



Pocono formation

(grayish green sandy shale and sandstone with several beds of red shale)

QUATERNARY

CARBONIFEROUS

Pennsylvanian

Mississippian

Drawn 91

JOHNSTOWN