



GNEISSES DERIVED FROM CAMBRIAN ROCKS  
IN LATE-CARBONIFEROUS TIME

**Porphyroblastic gneiss**  
*Orthoclase porphyroblasts in matrix of plagioclase, quartz, and residual laminae of metashale*

CARBONIFEROUS

EXPLANATION  
METASEDIMENTARY ROCKS

**Metashale**  
*Unevenly calcareous; in places contains thin beds of quartzite or metasiltstone, but rarely both*

**Crystalline dolomite and limestone**  
*Commonly contains laminae and thin beds of calcareous metashale*

**Metashale and metasiltstone**  
*The metashale rarely calcareous, and the metasiltstone weakly calcareous; occurrence in or beneath highly calcareous rocks uncommon. Lithology similar to that of the Conasauga formation.*

Lower Cambrian

**Shady formation**  
*Specular hematite and dolomite; thin-bedded, thickness obscure, series assumed to be 30 ft. thick if present*

**Weisner formation**  
*Quartzite and metashale, thin- to thick-bedded*

Lower Cambrian

Rome formation

CAMBRIAN

SECTIONS SHOWING VARIATIONS IN THE STRATIGRAPHY OF LOWER ROME ROCKS AT SOME OF THE MINES