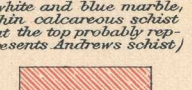
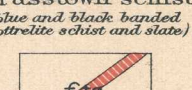


SEDIMENTARY ROCKS

(Areas of sedimentary deposits are shown by patterns of parallel lines; metamorphism is indicated by hachures contained within the line patterns)

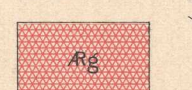
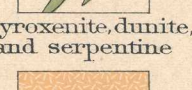
-  **Notley quartzite**
(white quartzite)
-  **Murphy marble**
(white and blue marble; blue and white schist at the top probably represents Andrus schist)
-  **Valleytown formation**
(chiefly mica schist, mica slate, talcose slate and gneiss)
-  **Brasstown schist**
(blue and black banded, calcareous schist)
-  **Tusquite quartzite**
(white quartzite)
-  **Nantahala slate**
(banded black, graphitic slate with some garnet-stauronite schist)
-  **Great Smoky formation**
(chiefly gneiss, mica slate, and mica schist; conglomerate and stauronite gneiss near the base)

Lower Cambrian series

CAMBRIAN

IGNEOUS ROCKS


(Areas of igneous rocks are shown by patterns of triangles and rhombs; metamorphism is indicated by hachures)

-  **Gabbro**
-  **Muscovite-biotite granite and pegmatite**
-  **Granite**
(massive, augite-biotite granite)
-  **Pyroxenite, diorite, and serpentine**
-  **Roan gneiss**
(chiefly hornblende gneiss, hornblende schist, and actinolite schist)

POST-CAMBRIAN

METAMORPHIC ROCKS OF PARTLY UNKNOWN ORIGIN

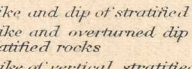
(Areas of metamorphic rocks of unknown origin are shown by patterns of short dashes)

-  **Carolina gneiss**
(gneiss, conglomerate, mica gneiss, mica schist, and garnet-stauronite gneiss with some crystal-granite schist, etc.)

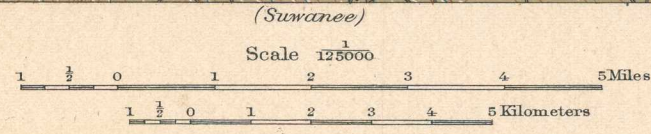
ARCHEAN

ARCHEAN

Faults

 **Faults**
 / Strike and dip of stratified rocks
 \ Strike and overturned dip of stratified rocks
 - - - Strike of vertical stratified rocks

H.M. Wilson, Geographer in charge.
 Triangulation by S.S. Gannett.
 Topography by W.L. Miller, R.H. McKeel and A.E. Murlin.
 Surveyed in 1895-96.



Geology by Laurence LaForge,
 assisted by D.B. Sterret, W.C. Phalen, F.B. Laney, and L.A. Kolbe,
 under supervision of Arthur Keith.
 Surveyed in 1905-1911.