

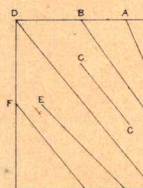
AREAL GEOLOGY

TENNESSEE-NORTH CAROLINA
KNOXVILLE SHEETU.S. GEOLOGICAL SURVEY.
J.W. POWELL, DIRECTOR.LEGEND
(continued)

- cl**
Clingman conglomerate
(gray sandstone and coarse and fine conglomerate)
- h**
Hazel slate
(Black slate with sand stone and conglomerate layers)
- t**
Thunderhead conglomerate
(Reddish-brown and fine conglomerate with sandy shale)
- cd**
Cades conglomerate
(Brownish-gray sand stone, sandy shale, and fine conglomerate)
- pg**
Pigeon slate
(Black-gray argillaceous slate with sandy upper layers)
- c**
Citico conglomerate
(Coarse and fine quartz conglomerate and sandstone)
- w**
White slate
(Light bluish-gray argillaceous and calcareous slate with lenses of limestone and limestone conglomerate near the top)

Faults

Sections



LEGEND

- SEDIMENTARY**
- CARBONIFEROUS**
- Cn**
Newman limestone
(Black shale and massive limestone)
- Dg**
Grainger shale
(Brownish and black, gray sandy shale)
- Dc**
Chattanooga black shale
(Black calcareous shale)
- Sb**
Bays sandstone
(Reddish calcareous sandstone)
- Ssv**
Sevier shale
(Black calcareous shale)
- Svs**
Sevier shale
(Black calcareous shale)
- Lentil in Sevier shale**
(Gray calcareous sandstone and sandy shale)
- Si**
Tellico sandstone
(Blackish-gray calcareous sandstone and shale)
- Sa**
Athens shale
(Light blue calcareous shale with black shale at the base)
- Sh**
Holston marble
(Lentils of variegated marble of mostly colors of blue and gray limestone)
- Sc**
Chickamauga limestone
(Blue and gray argillaceous limestone)
- Sk**
Knox dolomite
(Magnesian limestone with chert nodules)
- Sks**
Knox formation
(Shale deposit of Knox dolomite)
- Cn**
Nolichucky shale
(Calcareous shale with thin limestone beds)
- Cm**
Maryville limestone
(Massive blue limestone)
- Crg**
Rogersville shale
(Greenish clay shale with limestone layers)
- Cc**
Comasanga shale
(Brown, green, yellow calcareous shale with thin limestone beds)
- Crt**
Rutledge limestone
(Massive blue limestone)
- Cr**
Rome formation
(Red, green, and brown sandy shale)
- Crs**
Lentils in Rome formation
(Blackish and brown sandstone)
- Ct**
Beaver limestone
(Massive blue limestone)
- Ca**
Apison shale
(Black, green, and brown sandy shale)
- Ch**
Hesse sandstone
(Pinkish massive sandstone)
- Cmr**
Murray shale
(Grayish blue sandy shale)
- Cnb**
Nelo sandstone
(Massive white sandstone, coarse and fine)
- Cnc**
Nichols shale
(Grayish blue sandy shale)
- Cch**
Cochran conglomerate
(Magpie sandstone and conglomerate)
- Es**
Sandsuck shale
(Grayish blue argillaceous shale)
- CAMBRIAN**

Henry Gannett, Chief Topographer.
Gilbert Thompson, Chief Geographer.
Triangulation by S.S. Gannett.
Topography by F.M. Pearson and C.G. Van Hook.
Surveyed in 1884-85-90.

G.K. Gilbert, Chief Geologist.
Bailey Willis, Geologist in charge.
Geology by Arthur Keith.
Surveyed in 1889-90-91.

Scale 125,000

Contour Interval 100 feet.
Datum is mean Sea level.

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