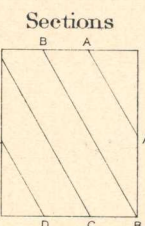


LEGEND

SEDIMENTARY ROCKS  
(continued)

- Cht**  
Hampton shale  
(sandy shale)
- Cu**  
Unicoi sandstone  
(quartzite or fine black bituminous conglomerate)

Faults



LEGEND

SEDIMENTARY ROCKS  
(Areas of sedimentary rocks are shown by patterns of parallel lines)

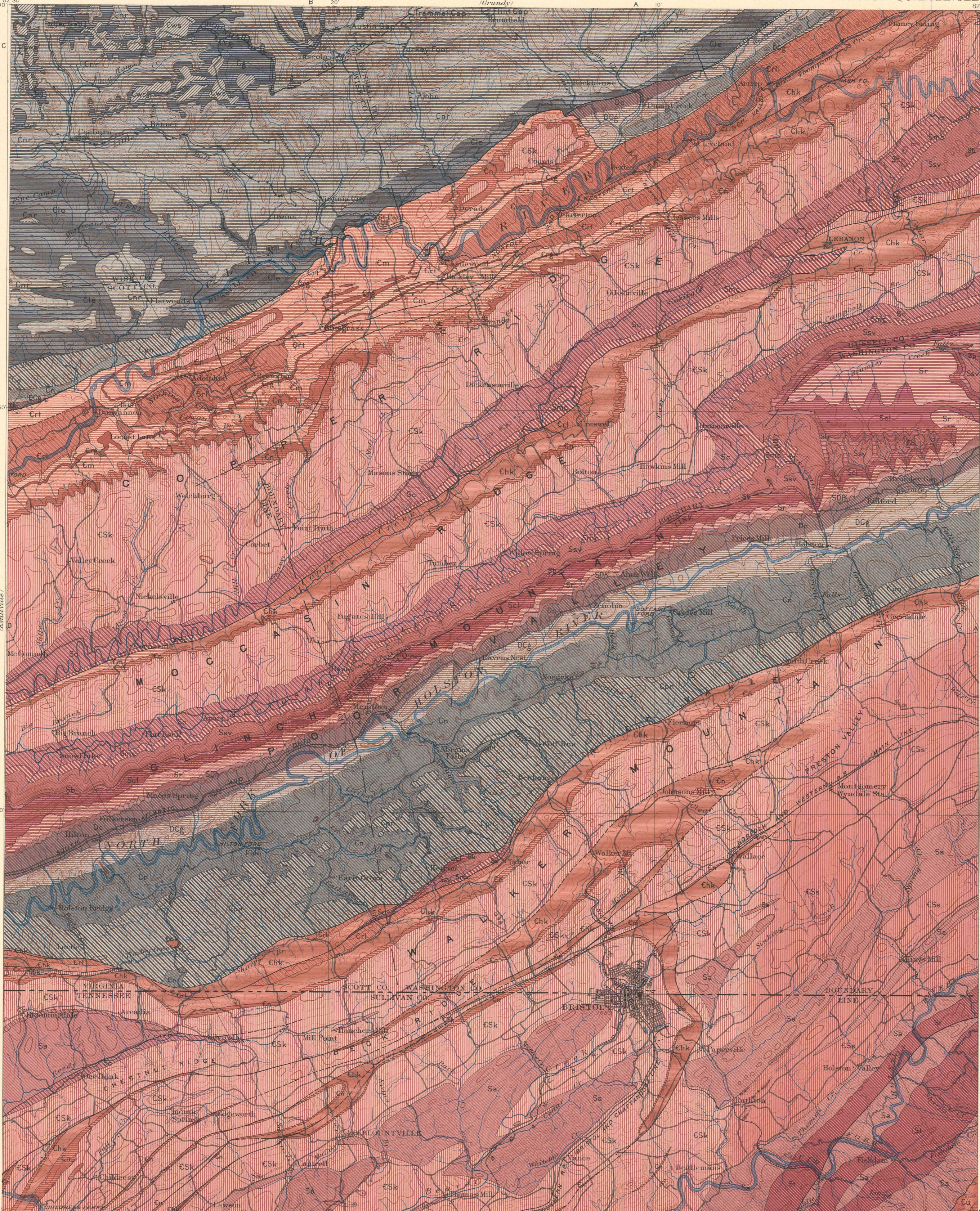
- Cws**  
Wise formation  
(sandy shale and sandstone)
- Cg**  
Gladeville sandstone  
(coarse white sandstone, sometimes conglomeratic)
- Cnr**  
Norton formation  
(sandstone and shale, contains many seams of workable coal)
- Cle**  
Lee formation  
(sandstone, conglomerate, and shale, contains seams of coal)
- Cpn**  
Pennington shale  
(red and green shale with occasional beds of sandstone and impure limestone)
- Cn**  
Newman limestone  
(blue fossiliferous limestone and calcareous shale)
- DCg**  
Crainier formation  
(shale, sandstone, and conglomerate)
- Dc**  
Chattanooga shale  
(black carbonaceous shale)
- SDh**  
Hancock limestone  
(blue cherty limestone)
- Sr**  
Rockwood formation  
(sandy shale and ferruginous sandstone)
- Sc1**  
Clinch sandstone  
(coarse white sandstone)
- Sb**  
Bays sandstone  
(red sandstone and sandy shale)
- Ssv**  
Sevier shale  
(calcareous and sandy shale with thin beds of impure limestone)
- Smc**  
Moccasin limestone  
(red argillaceous limestone)
- Sr**  
Tellico sandstone  
(sandstone and sandy shale)
- Sa**  
Athens shale  
(sandy shale and thin sandstone with occasional beds of limestone and limestone conglomerate)
- Sc**  
Chickamauga limestone  
(blue fossiliferous limestone)
- CSk**  
Knox dolomite  
(cherty gray or white micaceous limestone)
- Cn**  
Nolichucky shale  
(blue calcareous and sandy shale)
- CSs**  
Shenandoah limestone  
(gray and blue limestone)
- Cm**  
Maryville limestone  
(generally blue limestone)
- Crg**  
Rogersville shale  
(blue calcareous shale)
- Cri**  
Rutledge limestone  
(black impure limestone)
- Cri**  
Russell formation  
(red and green shale, sandstone, and ferruginous limestone)

CARBONIFEROUS

DEVONIAN

SILURIAN

CAMBRIAN



Henry Gannett, Chief Topographer.  
H.M. Wilson, Chief Geographer in charge.  
Triangulation by W.C. Kerr and S.S. Gannett.  
Topography by D.C. Harrison and Gilbert Thompson.  
Surveyed in 1887-88 and 1894-95.

Scale 1:25,000  
Miles  
Kilometers

Contour interval 100 feet.  
Datum is mean sea level.  
Edition of Sept. 1899.

Geology by Marius R. Campbell,  
Assisted by Walter C. Mendenhall.  
Surveyed in 1891, 93, 94, 95, and 98.

Legend is continued on the left margin.