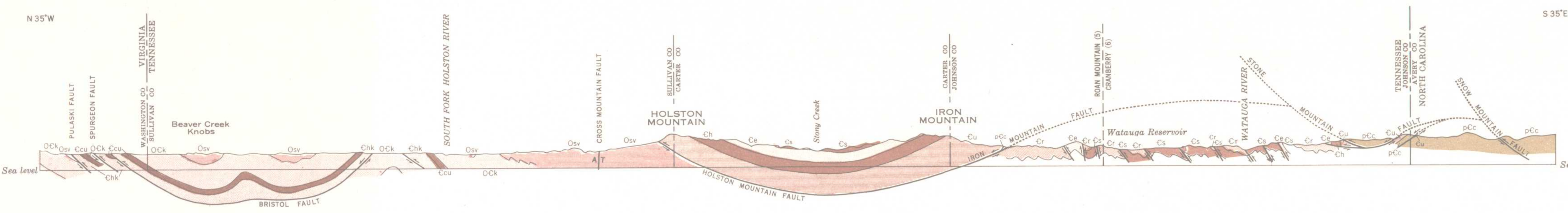
STATE OF TENNESSEE
DEPARTMENT OF CONSERVATION
DIVISION OF GEOLOGY

PREPARED IN COOPERATION WITH
UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

BULLETIN 58 GEOLOGIC CROSS SECTIONS PLATE 15,

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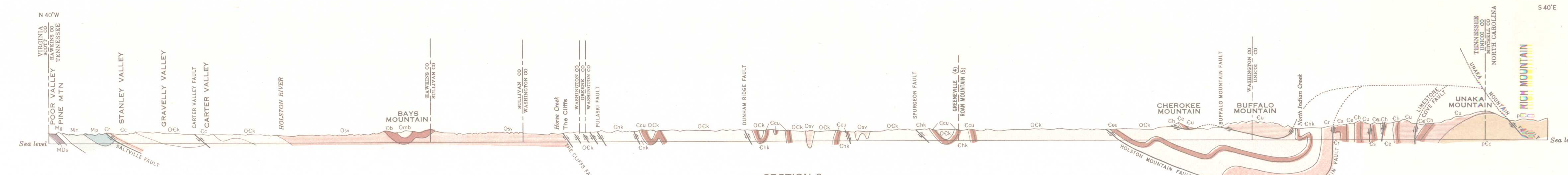


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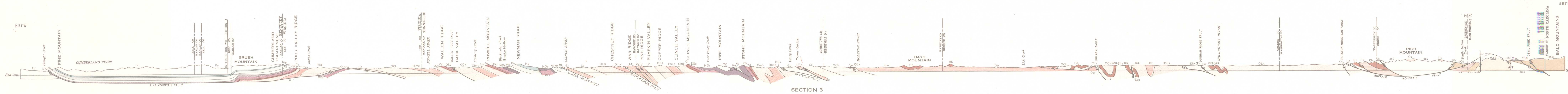


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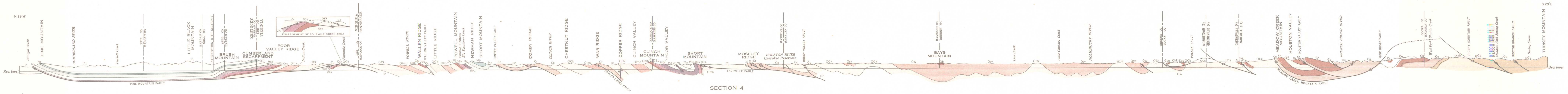


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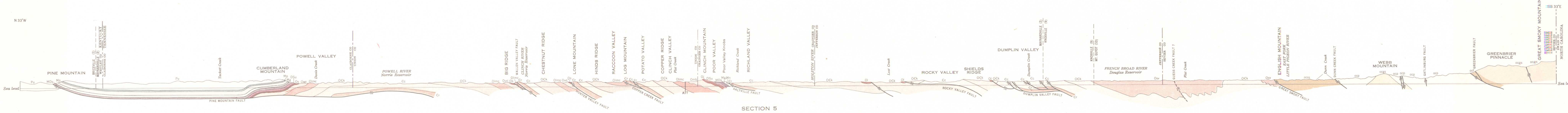


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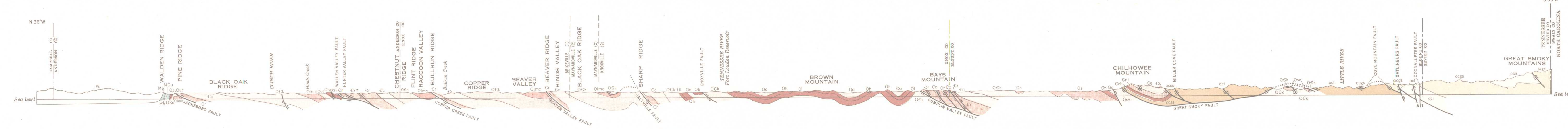


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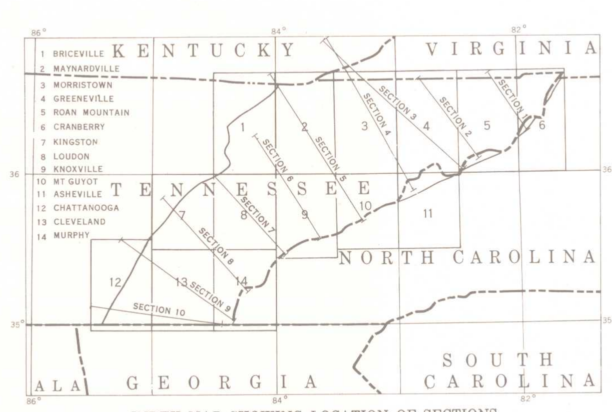
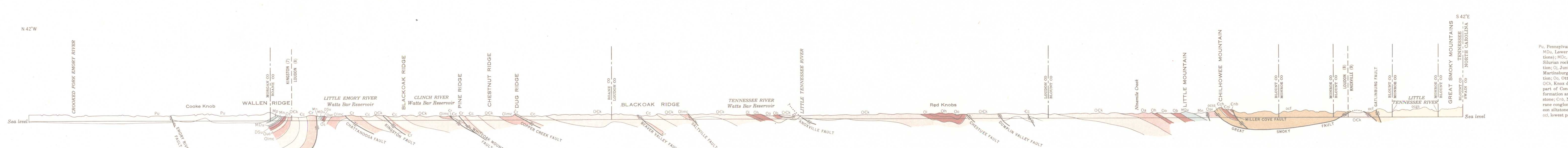



INDEX MAP SHOWING LOCATION OF SECTIONS

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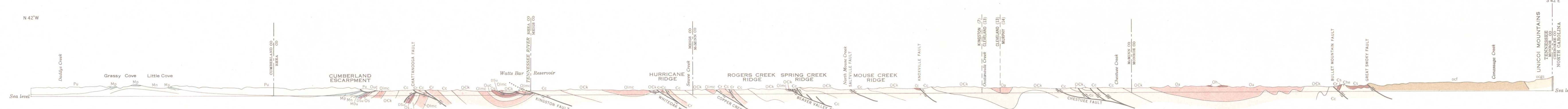


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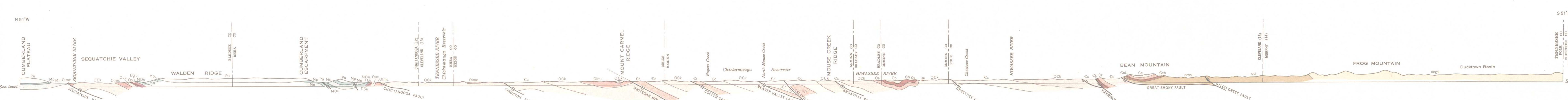


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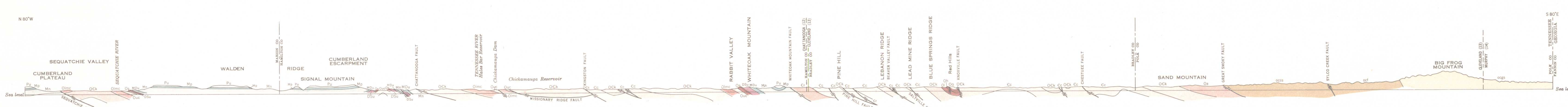


SECTION 10

## EXPLANATION

Pu, Pennsylvanian rocks; Mp, Pennington formation; Mn, Newman limestone; Mg, Grainger formation; MDu, Lower Mississippian and Upper Devonian rocks (Fort Payne, Grainger, and Chattanooga formations); MDc, Chattanooga shale; MDs, Basal Mississippian and Devonian shale; DSu, Lower Devonian and Silurian rocks (Hancock limestone, Rockwood formation, and Clinch sandstone); Os, Sequatchie formation; Oj, Juniata formation; Ouc, Upper part of Chickamauga limestone, including Reedsville shale; Omb, Martinsburg shale; Olmc, Lower and Middle parts of Chickamauga limestone, undivided; Ob, Bays formation; Oo, Ottosee shale; Oh, Holston formation; Ol, Lenoir limestone; Oa, Athens shale; Osv, Sevier shale; OЄk, Knox dolomite or group, undivided; Єc, Conasauga shale or group, undivided; Єcu, Upper Cambrian part of Conasauga group; Єhk, Honaker dolomite; Єr, Rome formation; Єs, Shady dolomite; Єe, Erwin formation and equivalent rocks (Hesse sandstone, Murray shale, and Nebo sandstone); Єhe, Hesse sandstone; Єnb, Nebo sandstone; Єh, Hampton formation; Єni, Nichols shale; Єu, Unicoi formation; Єch, Cochrane conglomerate; ocu, Ocoee series, undivided; ocss, Sandsuck shale; ocsb, Snowbird formation; ocsp, Pigeon siltstone; ocf, fine-grained part of Ocoee series; ocn, Nantahala slate; ocgs, Great Smoky conglomerate; ocl, lowest part of Ocoee series; pЄc, pre-Cambrian crystalline complex.

Contact between geologic units

Normal faults
*Arrows indicate relative movement in plane of section; A, indicates movement away from; T, toward observer*

For master explanation see plate 11

# GEOLOGIC CROSS SECTIONS OF MAPS OF EAST TENNESSEE

Vertical and horizontal scale $\frac{1}{125,000}$

1 0 5 10 Miles

Prepared for printing by N. B. Johnson, C. E. James, J. B. Canter

Cross sections by John Rodgers, U. S. Geological Survey