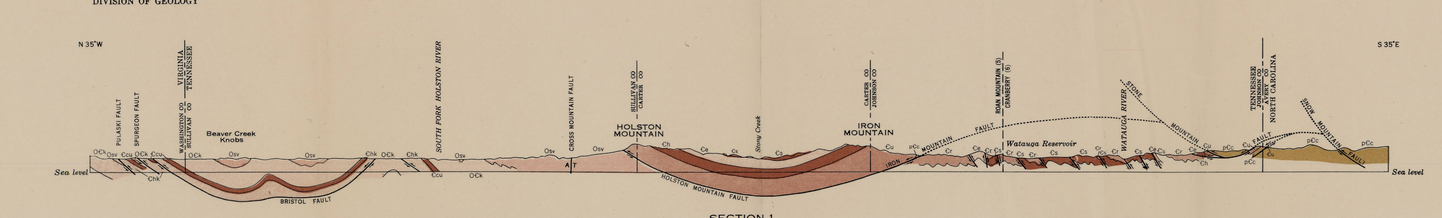
STATE OF TENNESSEE
DEPARTMENT OF CONSERVATION
DIVISION OF GEOLOGY

PREPARED IN COOPERATION WITH
UNITED STATES DEPARTMENT OF INTERIOR
GEOLOGICAL SURVEY

BULLETIN 58 GEOLOGIC CROSS SECTIONS PLATE 15.



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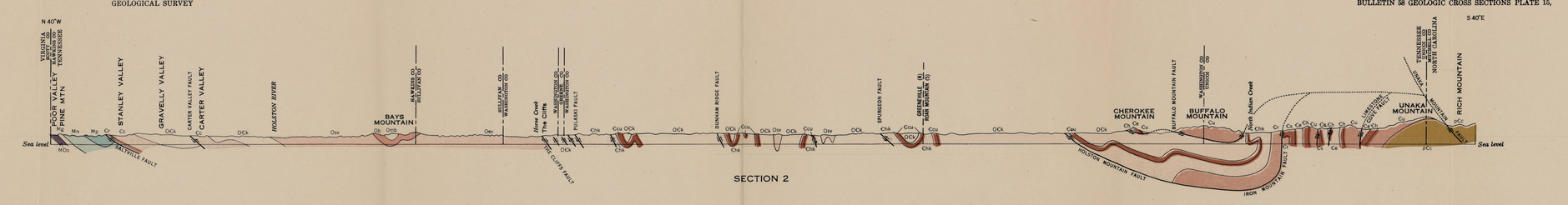

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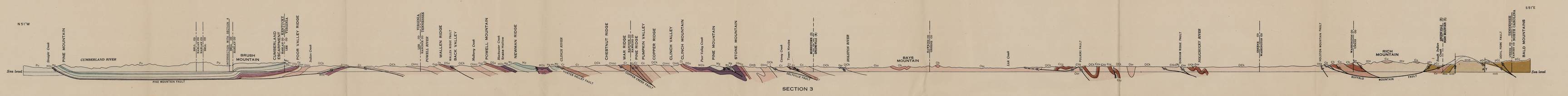

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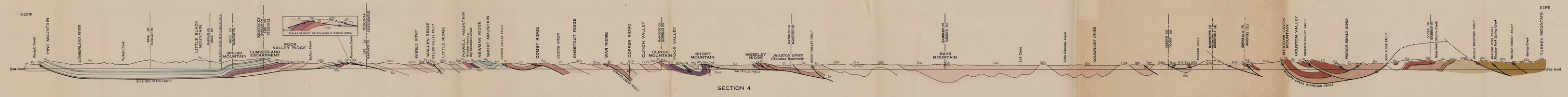

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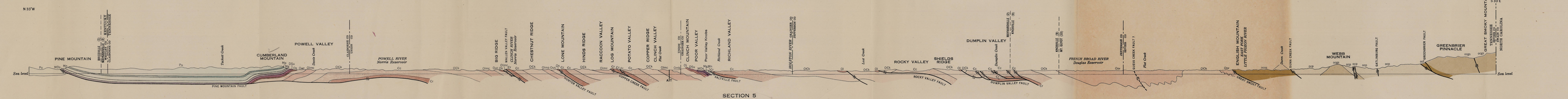

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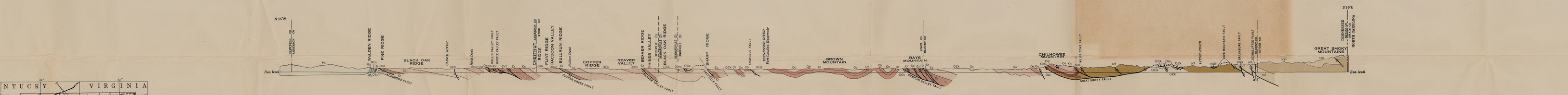

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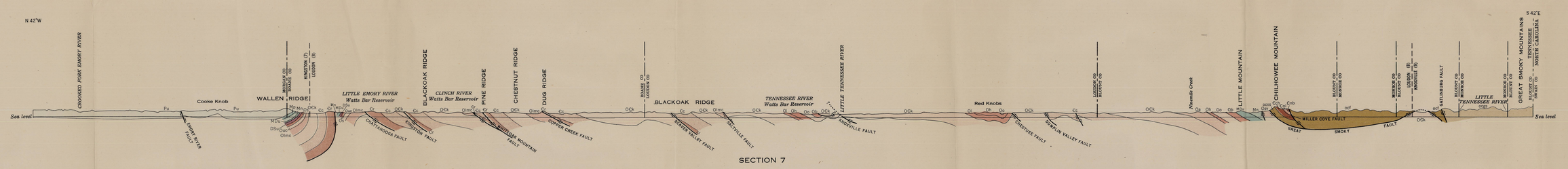

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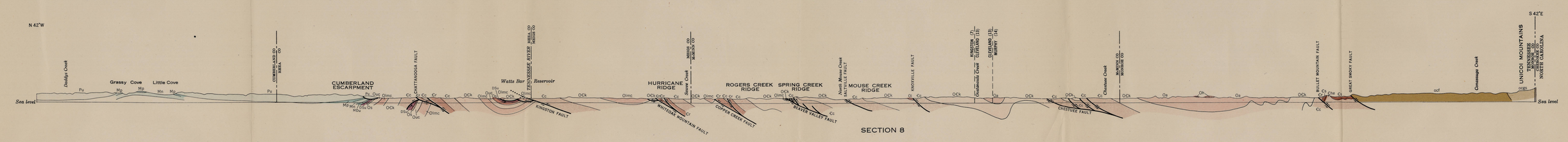

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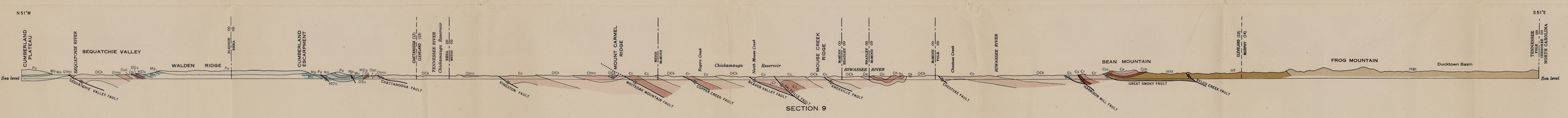

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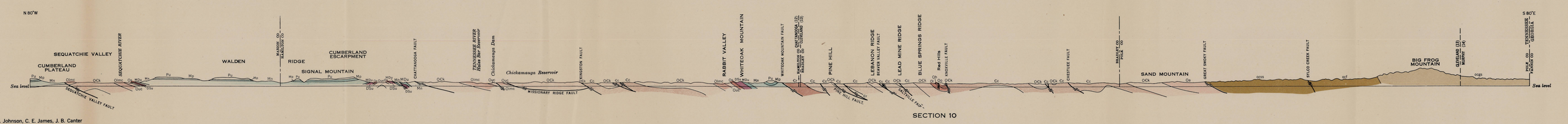

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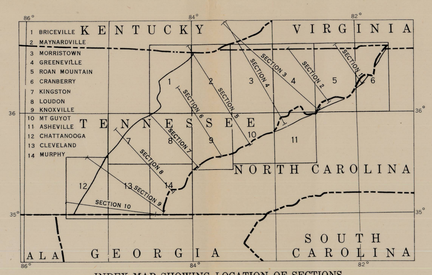

INDEX MAP SHOWING LOCATION OF SECTIONS

EXPLANATION

Pa, Pennsylvanian rocks; Mc, Pottsington formation; Mc, Newman limestone; Mg, Grainger formation; MDc, Lower Mississippian and Upper Devonian rocks (Fort Payne, Grainger, and Chattanooga formations); MCc, Chattanooga shale; MCc, Basal Mississippian and Devonian shale; Ds, Lower Devonian and Silurian rocks (Harriman limestone, Rockwood formation, and Clinch sandstone); Ds, Sequatchie formation; Ds, Decaturville chert; Ds, Lower Silurian rocks (Brassfield limestone, Hancock limestone, and Marbleton shale); Olc, Lower and Middle parts of Chickamauga limestone, undivided; Ob, Bays formation; Ob, Ordovician shale; Ob, Holston formation; Ol, Lenoir limestone; Oa, Athens shale; Oc, Sevier shale; OCb, Knox dolomite or group, undivided; Cc, Conasauga shale or group, undivided; Cm, Upper Cambrian part of Conasauga group; Ccc, Honaker dolomite; Cr, Rome formation; Cr, Shady dolomite; Ca, Erwin quartzite; Ca, Antietam sandstone; Cw, Weverton quartzite; Cl, Lower Cambrian part of Chilhowee group; Cch, Nebo sandstone; Cb, Hampton formation; Ccc, Shelvin shale; Cc, Unicoi formation; Ccb, Conasauga conglomerate; zcc, Ocoee series, undivided; zcs, Sandstock shale; zcsb, Snowbird formation; zcp, Pigeon siltstone; zcf, fine-grained part of Ocoee series; zcn, Nantahala shale; zcgb, Great Smoky conglomerate; zcl, lowest part of Ocoee series; pCc, pre-Cambrian crystalline complex.

Contact between geologic units

Normal fault

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

For master explanation see plate 11

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

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

GEOLOGIC CROSS SECTIONS OF MAPS OF EAST TENNESSEE

Vertical and horizontal scale 1:62,500

1 0 1 10 Miles