UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROFESSIONAL PAPER 516-A
PLATE 1

EXPLANATION

Rocks of Pennsylvanian age

Rocks of Mississippian, Devonian, and Silurian age

Rocks of Ordovician age

Rocks of Cambrian age

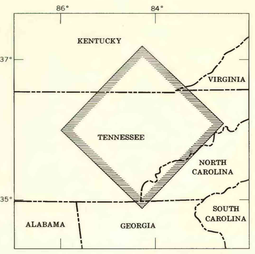
Rocks of Precambrian age

Contact
Dashed where inferred or where location is approximate

Fault
Dashed where inferred. Arrows show direction of movement

-50
Bouguer anomaly contour in milligals

Gravity observation points



INDEX MAP SHOWING APPROXIMATE LOCATION OF AREA

Base map from U.S. Geological Survey 250 000 series quadrangles: Chattanooga, 1944; Corbin, 1956; Johnson City, 1957; and Knoxville, 1951

Geology modified from Butts (1940), Hamilton (1961), Jillson (1929), Pond (1933), Rodgers (1952), and Wilson and others (1956)

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1965—G64388

MAP SHOWING GEOLOGY AND COMPLETE BOUGUER ANOMALIES OF PART OF EASTERN TENNESSEE AND SOUTHERN KENTUCKY

SCALE 1:250 000

5 0 5 10 15 20 MILES

5 0 5 10 15 20 25 KILOMETERS

CONTOUR INTERVAL 5 MILLIGALS