EXPLANATION

GEOLOGICAL UNITS

- Q — Quaternary rocks
- P — Permian rocks
- PP — Pennsylvanian rocks
- M — Mississippian rocks
- D — Devonian rocks
- S — Silurian rocks
- O — Ordovician rocks
- C — Cambrian rocks

THRUST FAULT--Sawteeth on upper plate

HIGH ANGLE NORMAL FAULT--Bar and ball on downthrown side. Most common in central Kentucky

Kentucky River Fault System

Irvine-Paint Creek Fault System

Rome Trough

Pine Mountain Thrust Fault

Sequatchie Anticline

Burning Springs Anticline

Ohio
Pa.
Md.
W. Va.
Ky.
Va.
Tenn.

0 50 100 KILOMETERS
0 30 60 MILES

Geology adapted from:

1. American Association of Petroleum Geologists, 1970, Geological highway map of the mid-Atlantic region: Am. Assoc. Petroleum Geologists, U.S. Geol. Highway Map Ser., Map no. 4.
2. _____1976, Geological highway map of the northeastern region: Am. Assoc. Petroleum Geologists, U.S. Geol. Highway Map Ser., Map no. 10.
3. _____1978, Geological highway map of the Great Lakes region: Am. Assoc. Petroleum Geologists, U.S. Geol. Highway Map Ser., Map no. 11.

Note to draftsperson: More metric scale to top and use rake scales.

Miles
Kilometers

Figure 4.--General geology in central and southern parts of the Appalachian Basin

Base from U.S. Geological Survey State maps of Kentucky, Maryland, Ohio, Pennsylvania, Tennessee, Virginia, and West Virginia; scale 1:1,000,000