

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

**GEOLOGY OF ANTHRACITE IN THE WESTERN PART OF THE SHAMOKIN
QUADRANGLE, NORTHUMBERLAND COUNTY, PENNSYLVANIA**

By

**Harold H. Arndt, Walter Danilchik, and
Gordon H. Wood, Jr.**

COAL INVESTIGATIONS
MAP C-47



PUBLISHED BY THE U. S. GEOLOGICAL SURVEY
WASHINGTON, D. C.
1963