UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF GEOLOGICAL SURVEY

STATE OF WEST VIRGINIA
REPRESENTED BY THE
STATE OF WEST VIRGINIA GEOLOGICAL SURVEY
AND OTHER STATE AGENCIES

EAST LIVERPOOL NORTH QUADRANGLE
OHIO—PENNSYLVANIA—WEST VIRGINIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 WELLSVILLE 15' QUADRANGLE

(ELKTON) (NEW GALILEE) (WELLSVILLE) (HOOKSTOWN) (WEST POINT) (MIDLAND)

80°37'30" 532000m.E. ROGERS 3 MI. 1 210 000 FEET (PA.) 35' R.1W. EAST PALESTINE 6.8 MI. NEGLEY 3.4 MI. (EAST PALESTINE) 32'30" 2 550 000 FEET (OHIO) 1 720 000 FEET (W. VA.) 80°30'

40°45' 4510000m.N. 400 000 FEET (OHIO) 810 000 FEET (W. VA.) 42'30" 40' 360 000 FEET (OHIO) 780 000 FEET (W. VA.) 40°37'30" 542000m.E. 490 000 FEET (PA.) 4498000m.N.

T. 7 N. T. 6 N. T. 5 N.

520 000 FEET (PA.)

Clarkson · Cem. · Strip Mines · BM 1033 · Oak Grove Sch · Strip Mines · Strip Mines · Mine · Strip Mines · Strip Mines · Strip Mines · Strip Mine · Strip Mines · Gas Well · Camp Echo Dell · BEAVER CREEK STATE FOREST · Sprucevale · STATE FOREST · BEAVER CREEK STATE FOREST · Jackson Cem · Gravel Pit · Cannons Mill · Glenmoor (BM 1129) · Highland Country Club · Columbiana County Memorial Park · Calcutta · Drive-in Theater · Longs Run Ch · Calcutta Ch · Fredericktown · BM 773 · Beaver Creek Church Camp · Grimms Bridge · Gaging Sta · Oil Well · Gravel Pit · La Croft · BM 1180 · Swimming Pool · THOMPSON PARK · Taft Sch · Riverview Cemetery · Swimming Pool · Lincoln Sch · Garfield Sch · Spring Grove · Radio Towers · Spring Grove Cem · St Aloysius Cem · B'nai Jacob Cem · Lake Marwin · Pleasant Heights · Quarry · Reservoir · Babbs Island · NORMAL POOL ELEVATION 665 · East End · East End Sch · Neville Sch · Kerosene · Waterworks · Klondyke Sub · Smiths Ferry · Glasgow · Georgetown · Historic marker Point of beginning of U.S. Public Land Surveys · Georgetown Cem · Light · Gravel Pit

MIDDLETON · STCLAIR · LIVERPOOL · EAST LIVERPOOL · OHIO · GREENE · GRANT

Strip Mines · Clarkson · Cem. · BM 1033 · Oak Grove Sch · Strip Mines · Strip Mines · Mine · Strip Mines · Strip Mines · Strip Mines · Strip Mine · Gas Well · Camp Echo Dell · BEAVER CREEK STATE FOREST · Sprucevale · STATE FOREST · BEAVER CREEK STATE FOREST · Jackson Cem · Gravel Pit · Cannons Mill · Glenmoor (BM 1129) · Highland Country Club · Columbiana County Memorial Park · Calcutta · Drive-in Theater · Longs Run Ch · Calcutta Ch · Fredericktown · BM 773 · Beaver Creek Church Camp · Grimms Bridge · Gaging Sta · Oil Well · Gravel Pit · La Croft · BM 1180 · Swimming Pool · THOMPSON PARK · Taft Sch · Riverview Cemetery · Swimming Pool · Lincoln Sch · Garfield Sch · Spring Grove · Radio Towers · Spring Grove Cem · St Aloysius Cem · B'nai Jacob Cem · Lake Marwin · Pleasant Heights · Quarry · Reservoir · Babbs Island · NORMAL POOL ELEVATION 665 · East End · East End Sch · Neville Sch · Kerosene · Waterworks · Klondyke Sub · Smiths Ferry · Glasgow · Georgetown · Historic marker Point of beginning of U.S. Public Land Surveys · Georgetown Cem · Light · Gravel Pit

MIDDLETON · STCLAIR · LIVERPOOL · EAST LIVERPOOL · OHIO · GREENE · GRANT

LISBON 10 MI. ROCK CAMP 2.4 MI. · 2 MI. TO U.S. 30 · MIDLAND 2.7 MI. BEAVER 12 MI. · OHIOVILLE 0.3 MI. · HOOKSTOWN 2.7 MI.

1 690 000 FEET (W. VA.) WELLSVILLE 1.9 MI. 2 530 000 FEET (OHIO) 35' R.1W. CHESTER, W. VA. 1.4 MI. PITTSBURGH, PA. 40 MI. (EAST LIVERPOOL SOUTH) 1.2 MI. TO U.S. 30 32'30" 1 230 000 FEET (PA.) INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1962 MR 3415 80°30'

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1956. Field checked 1960

Polyconic projection. 1927 North American datum
10,000-foot grids based on Ohio coordinate system, north zone, Pennsylvania coordinate system, south zone, and West Virginia coordinate system, north zone. 1000-meter Universal Transverse Mercator grid ticks, zone 17, shown in blue

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked

The Ohio-W. Va. boundary as shown represents the approximate position of the low water line as determined from U. S. Corps of Engineers Ohio River Charts, surveyed 1913, and supplementary information

Red tint indicates areas in which only landmark buildings are shown

Area north of Geographers Line lies within Congress Lands north of the Old Seven Ranges. Area south of Geographers Line lies within the Old Seven Ranges. Land lines based on the Ohio River Base

4½° TRUE NORTH MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION, 1960

SCALE 1:24000
1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

USGS
Historical File
Topographic Division

OHIO
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Heavy-duty · Light-duty
Medium-cuty · Unimproved dirt
U.S. Route · State Route

EAST LIVERPOOL NORTH, OHIO—PA.—W. VA.
NE/4 WELLSVILLE 15' QUADRANGLE
N4037.5—W8030/7.5

1960

U.S.G.S.
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TOPOGRAPHIC DIVISION
SEP 25 1962
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