STATE OF WEST VIRGINIA
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY
PAUL H. PRICE
STATE GEOLOGIST

STATE OF PENNSYLVANIA
REPRESENTED BY THE
DEPARTMENT OF INTERNAL AFFAIRS
TOPOGRAPHIC AND GEOLOGIC SURVEY

STATE OF OHIO
REPRESENTED BY THE GOVERNOR
C.E. SHERMAN, INSPECTOR

WEST VIRGINIA-
OHIO-PENNSYLVANIA
WELLSVILLE QUADRANGLE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF PENNSYLVANIA
REPRESENTED BY THE
DEPARTMENT OF INTERNAL AFFAIRS
TOPOGRAPHIC AND GEOLOGIC SURVEY
New Cumberland

PENNSYLVANIA
BEAVER QUADRANGLE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF PENNSYLVANIA
REPRESENTED BY THE
DEPARTMENT OF INTERNAL AFFAIRS
TOPOGRAPHIC AND GEOLOGIC SURVEY

PENNSYLVANIA
SEWICKLEY QUADRANGLE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF PENNSYLVANIA
REPRESENTED BY THE
DEPARTMENT OF INTERNAL AFFAIRS
TOPOGRAPHIC AND GEOLOGIC SURVEY

ELK RUN
MIDDLETON
MADISON
ST. CLAIR
LIVERPOOL
YELLOW CREEK
SALINE
GRANT
CLAY
KNOX
YSTLAND CREEK
CROSS CREEK
STEUBENVILLE
SOUTH BEAVER
SOUTH CHIPPEWA
BRIGHTON
INDUSTRY
MOON
RACCOON
GREENE
HANOVER
INDEPENDENCE
JEFFERSON
ROSS CREEK
PLEASANT
FINDLEY
ROBINSON
NORTH FAYETTE
SOUTH PAYETTE
MOUNT
NEW SEWICKLEY
CRANBERRY
ADAMS
MIDDLESEX
MARSHALL
PINE
ECONOMY
FRANKLIN
SEWICKLEY
McCANDLESS
SEWICKLEY HEIGHTS
OHIO
ALLEGHENY
RICHLAND
WEST DEER
INDIANA
HARRISON
O'HARA
ROSS
SCOTT
BALDWIN
UPPER ST. CLAIR
COLLIER
GRANT
LIBERTY
PORTAGE
LINCOLN
WILKINSBURG
WILKINS
FRANKLIN PARK
PENN HILLS
EAST DEER
FAWN
HARMAR
RICHLAND
3
14
29
17
26
22