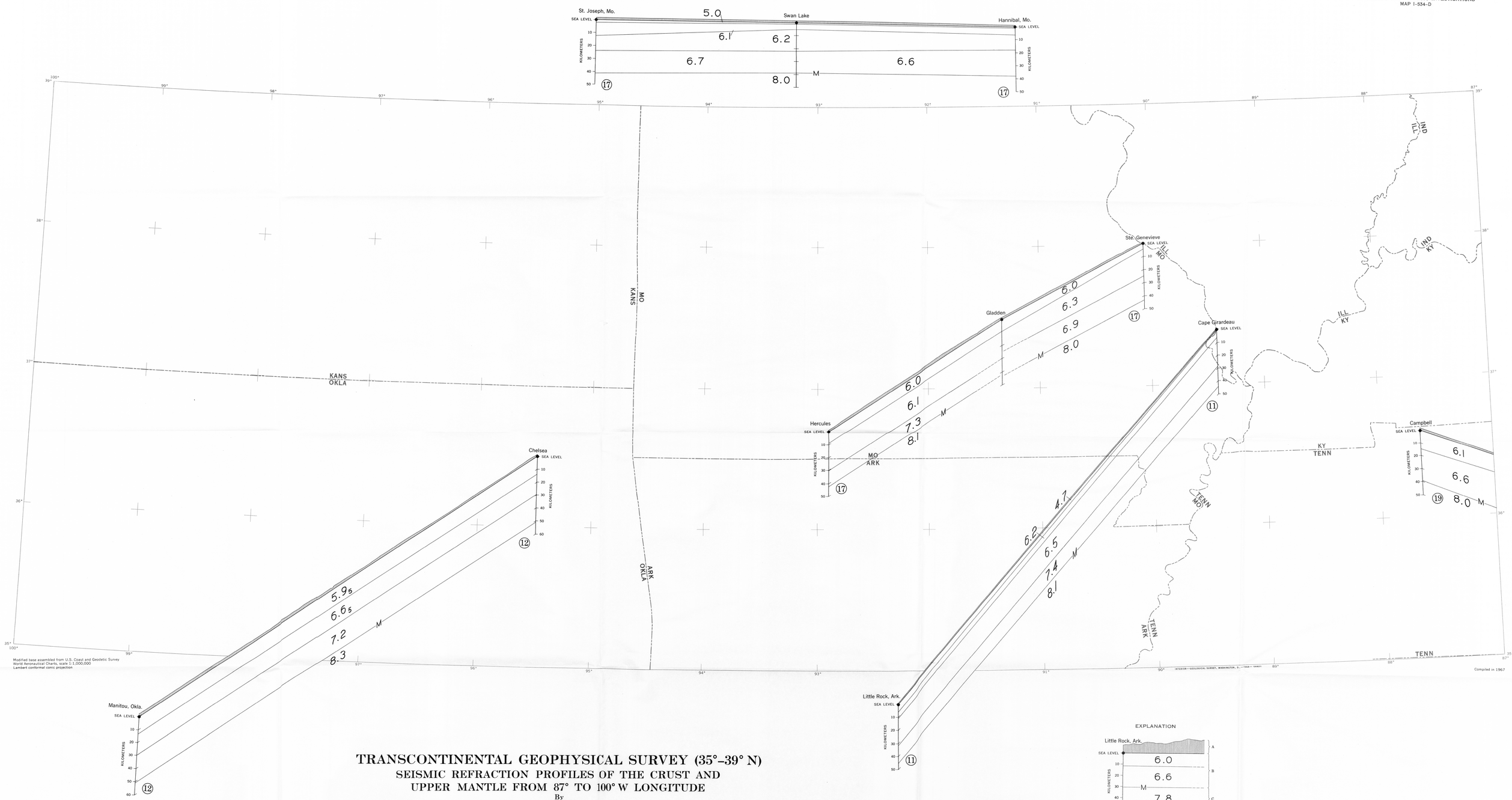
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
ADVANCED RESEARCH PROJECTS AGENCY

MISCELLANEOUS GEOLOGIC INVESTIGATIONS
MAP I-534-D



TRANSCONTINENTAL GEOPHYSICAL SURVEY (35°–39° N)

SEISMIC REFRACTION PROFILES OF THE CRUST AND UPPER MANTLE FROM 87° TO 100° W LONGITUDE

By
David H. Warren

A CONTRIBUTION TO THE UPPER MANTLE PROJECT

SCALE 1:1 000 000

25 0 25 50 75 100 MILES

25 0 25 50 75 100 KILOMETERS

1968

EXPLANATION

Shot point and interpreted seismic profile

Heavy dot indicates map location of shot point, designated by geographic name. Boundaries between inferred layers are dashed where interpretation is uncertain

A, *topographic profile; vertical exaggeration ×2*

B, *inferred crustal layers showing velocities of P waves in km/sec*

C, *mantle showing velocity of P waves in km/sec*

M, *Mohorovicic discontinuity*

(11) *data reference cited in accompanying text. For profiles not reversed the reference is omitted at the end lacking a shot point*

For sale by U.S. Geological Survey, price 50 cents
Explanatory pamphlet accompanies map