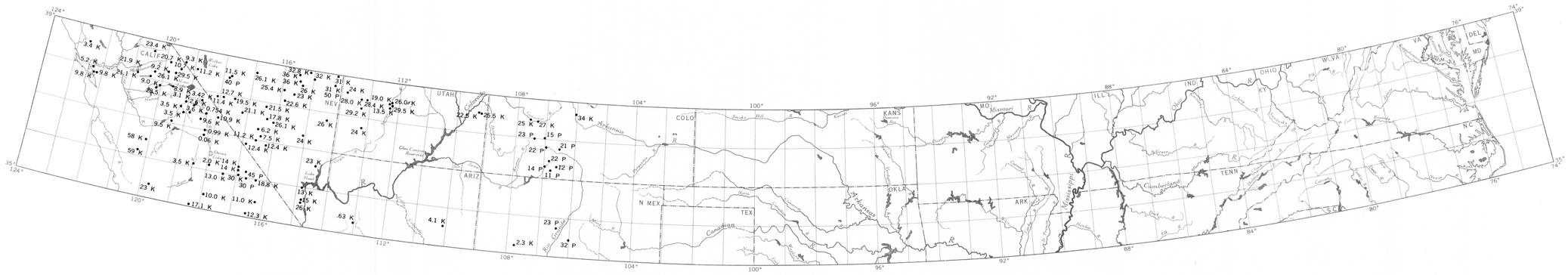
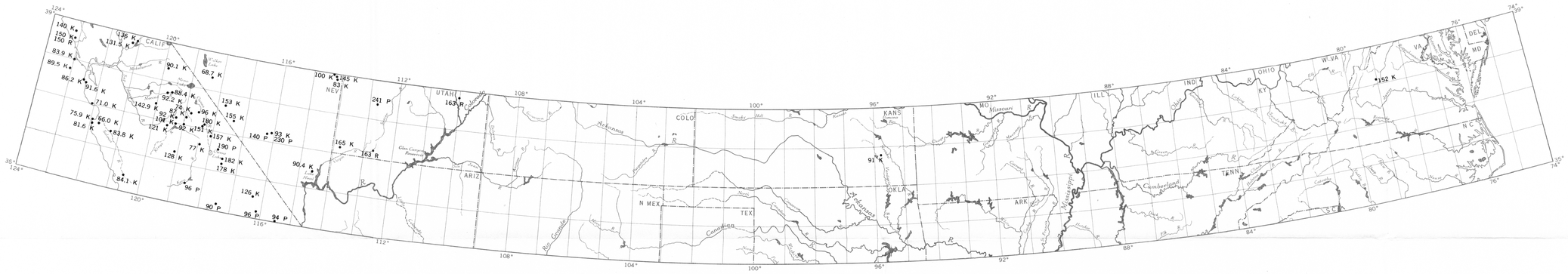


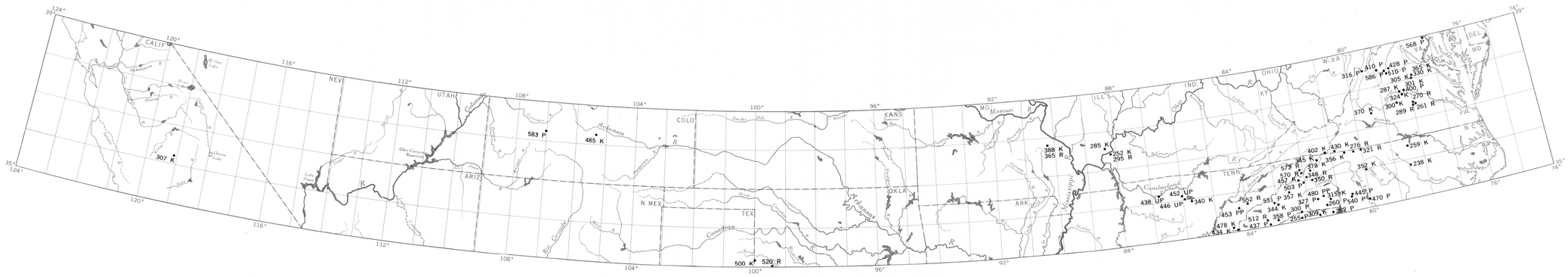
CENOZOIC AGES

Locations of samples giving a radiometric age less than 65 m. y.



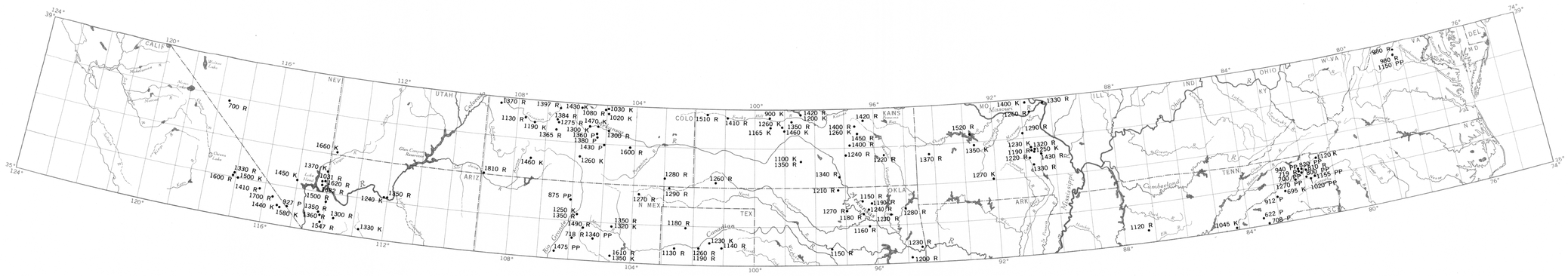
MESOZOIC AGES

Locations of samples giving a radiometric age from 65 to 230 m. y.



PALEOZOIC AGES

Locations of samples giving a radiometric age from 230 to 600 m. y.



PRECAMBRIAN AGES

Locations of samples giving a radiometric age greater than 600 m. y.

EXPLANATION

• 83.9 K

Sample location showing age in millions of years. Letter symbol indicates method by which age was determined:

K, *Potassium-argon*

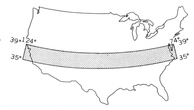
R, *Rubidium-strontium*

P, *Lead-alpha*

PP, *Lead* ^{207}-*Lead* ^{206}

UP, *Uranium* ^{238}-*Lead* ^{206}

Note: The ages of all samples located on the map and additional samples from within the area are listed in the accompanying pamphlet



INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1968—G68135

Base from U.S. Geological Survey, 1962

Compiled 1966-67

TRANSCONTINENTAL GEOPHYSICAL SURVEY (35°-39° N)

RADIOMETRIC AGE DETERMINATIONS OF ROCKS

By
Richard F. Marvin

A CONTRIBUTION TO THE UPPER MANTLE PROJECT

SCALE 1:7 500 000

100 0 100 200 300 400 500 MILES

100 0 100 200 300 400 500 KILOMETERS

1968

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