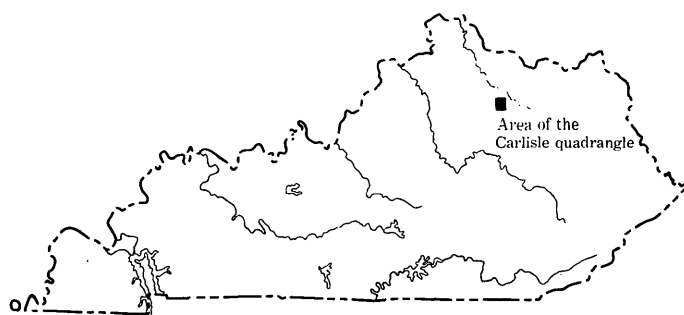


DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH
THE COMMONWEALTH OF KENTUCKY
UNIVERSITY OF KENTUCKY
KENTUCKY GEOLOGICAL SURVEY
WALLACE W. HAGAN, DIRECTOR AND
STATE GEOLOGIST

GEOLOGIC
QUADRANGLE MAPS
OF THE
UNITED STATES

GEOLOGIC MAP
OF THE
CARLISLE QUADRANGLE,
NICHOLAS AND BOURBON
COUNTIES, KENTUCKY
By
Lawrence V. Blade



INDEX MAP OF KENTUCKY

PUBLISHED BY THE U.S. GEOLOGICAL SURVEY
RESTON, VIRGINIA 22092

1978