

THE STRATIGRAPHY OF THE KINDERHOOK GROUP IN WESTERN ILLINOIS AND MISSOURI

ABSTRACT

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Strata of the Kinderhook group, comprising the lowermost division of the Mississippian system in the central Mississippi Valley states, outcrop in southeastern Iowa, western Illinois and around the Ozark highlands of Missouri into northern Arkansas. The character of the rocks in different parts of this area and the fossil faunas which they contain afford the data for a study of the very interesting but complex physical history of the region at this time.

Recent examination of the Kinderhook beds across the state of Missouri, with careful study of their faunas, throw light on important stratigraphic problems and necessitate some changes in previous conceptions of the Kinderhook.

The Kinderhook rests with distinct unconformity on older formations, which vary in age from early Upper Devonian to the Lower Ordovician. It is similarly delimited at the top in many places, succeeding beds containing a distinct new fauna which may be traced throughout the Mississippian area. Within the Kinderhook a number of changes in the relation of sea and land took place.
