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The Stratigraphic Relations of the Greenhorn and Niobrara Formations of Western Iowa and Adjacent Areas

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THE STRATIGRAPHIC RELATIONS OF THE GREENHORN AND NIOBRARA FORMATIONS OF WESTERN IOWA AND ADJACENT AREAS

N. C. GEORGESEN¹

(Abstract)

The purpose of this paper is to show the stratigraphic relations of the Greenhorn and Niobrara formations from Sioux City, Iowa, northward along the Big Sioux river, and westward along the Missouri river. It is concluded that the Niobrara formation does not occur in Iowa, but that the chalky beds described by Bain, Calvin and others belong to the Greenhorn formation.

STATE UNIVERSITY OF IOWA,
IOWA CITY, IOWA.

SUGGESTED REVISIONS OF PLEISTOCENE CLASSIFICATION

GEORGE F. KAY

(Abstract)

Recently suggestions have been made by Leverett, Leighton, and by the writer with regard to the revision of the generally accepted classification of the Pleistocene or Glacial Period of the Mississippi Valley. Each of the proposals is discussed.

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MINIMUM DURATIONS OF THE GLACIAL AND INTERGLACIAL AGES IN THE PLEISTOCENE OF IOWA

GEORGE F. KAY

(Abstract)

The minimum durations of the glacial ages in Iowa have been estimated from present-day consensus of opinion as to the rates of advance and retreat of ice sheets. For the retreat of the late Wisconsin from Iowa the rate of one mile in ten years was adopted. The same rate was assumed for the advance of this ice sheet into Iowa and also for the advances and retreats of earlier ice sheets.

¹ Introduced by A. C. Tester.