

1930

## Recessional Moraines of the Wisconsin in Iowa

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## ICE CAVES

JOHN E. SMITH

The locations, structure and meteorologic conditions favorable to forming ice and to its wasting away are considered in this paper.

IOWA STATE COLLEGE,  
AMES, IOWA.

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RECESSIONAL MORAINES OF THE WISCONSIN IN  
IOWA

JOHN E. SMITH

The several major and many more minor recessional moraines are discussed with respect to their locations and relations to each other. The paper is a progress report of the work that was begun on this project several years ago.

IOWA STATE COLLEGE,  
AMES, IOWA.

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A NOTE ON THE STRATIGRAPHY OF THE CRETACE-  
OUS IN NORTHWESTERN IOWA

A. C. TESTER

The lithology of certain Benton (?) strata in Lyon County and adjacent parts of Minnehaha County, South Dakota is described. These rocks differ greatly from the common type of limestone and chalk of the Cretaceous of the Big Sioux and Missouri River region. The formation contains large quantities of siliceous material in the matrix and as spicules and in some beds as chert. Fragments of glass are common in one zone.

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## EASTERNMOST FOLDINGS OF ANCESTRAL ROCKIES

CHARLES KEYES

Although for long it is suspected that ancestral Rocky mountains must have extended much farther to the eastward than the Front ranges of Colorado do to-day the actual proofs that they once did are long in forthcoming. Delay in this respect continues