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Oil Structures in Iowa

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some localities kames and other small hills located on and near these moraines aid in identifying them.

In many places parts of these moraines have been removed by erosion and in other places they are partially obscured by the influence of pre-Wisconsin topography.

IOWA STATE COLLEGE,
AMES, IOWA.

OIL STRUCTURES IN IOWA

CHARLES KEYES

The smooth, illimitable prairies of our state offer to the public little encouragement for prosecuting systematic search for such forms of mineral wealth as natural gas and rock-oil. Yet, the possibilities are never absolutely negative; they are not nearly so hopeless as layman may imagine. On this score the bed-rock structures have a tale to tell that is a very different story from what might be ordinarily expected of so featureless a country. Before its prairies came lofty mountains, both within the present limits of the state and without in surrounding territory. Even the effects of the distant Rocky Mountains upheaval reach eastward to us, the arching of the Ozarks leaves noticeable traces with us, and the Black Hills come down to our very doors.

With recent analysis, in a somewhat preliminary way to be sure, of neighboring tectonics which also affect our state more or less appreciably, numerous instructive features reveal themselves. Pro-
found faults, notable foldings some of which are broad and gentle, others sharp and local, anticlines of measurable amplitude, and domes are with us. Many of these have sufficient development to have direct bearing upon the possibilities of our possessing fuel and power resources which might turn out to rival our immense coal deposits. At least the prospect is sufficiently promising to warrant renewed and intensive attack upon the theme.

DES MOINES, IOWA.

FORAMINIFERA IN THE IOWA DEVONIAN

A. O. THOMAS

These microfossils were found in screenings obtained by washing some sandy shales from the Cerro Gordo member of the Upper Devonian in Iowa.