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A Review of the Time Factor Represented by the Stratigraphic Breaks in the Iowa Geological Column

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Devonian of Floyd County, Iowa. They belong to the genus *Endothyra* which is abundantly represented in the overlying Mississippian strata.

STATE UNIVERSITY OF IOWA,
IOWA CITY, IOWA.

A REVIEW OF THE TIME FACTOR REPRESENTED BY
THE STRATIGRAPHIC BREAKS IN THE IOWA
GEOLOGICAL COLUMN

A. O. THOMAS

Iowa's midcontinental location has made its area one of the last to be reached by the successive marine invasions from the Cambrian on. A quantitative study of the length of post-Cambrian time during which Iowa has been land versus the length of time it has been more or less a sea floor is offered.

STATE UNIVERSITY OF IOWA,
IOWA CITY, IOWA.

GLACIAL OUTLOOK FROM IOWA

CHARLES KEYES

Iowa and the upper Mississippi basin are, as is now quite generally known, in possession of the most complete Glacial succession in the whole world. With its great wealth of recorded observation the trend of inquiry turns not so much to unearthing more till-sheets, as was the prognostication of the enthusiastic Calvin, as it is to ferret out the most plausible causes of periodic glaciations, and especially to test their astronomical relationships.

The tripartite Wisconsin till affords an unmatched opportunity. At least Iowa, in her great ground-moraines, now seems to supply ample and critical evidences in support of a cosmical hypothesis, according to which the periodic recurrence of glaciations may be definitely initiated through the secular mutations of Earth's orbital excentricity. Iowa's outlook in this field is such that she may be shortly placed in the fore-front of global glaciology.

DES MOINES, IOWA.