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## Nomenclature and Classification of Geologic Formations with Special Reference to the Cretaceous of Iowa

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NOMENCLATURE AND CLASSIFICATION OF GEOLOGIC FORMATIONS; WITH SPECIAL REFERENCE TO THE CRETACEOUS OF IOWA

A. C. TESTER

(*Abstract*)

Confusion exists as to the proper use of the various terms designating the character of divisions of a rock sequence. The terms *group* and *stage* are often improperly used. Most writers follow the standard of the International Geological Congress, but the United States Geological Survey uses the terms in a different sense. The history of the various terms is reviewed in this paper; and the writer makes suggestions for a standard usage with special reference to their application to the Cretaceous rocks of Iowa.

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CONTEMPORANEOUS DEFORMATION IN THE CEDAR VALLEY LIMESTONE

A. C. TESTER

(*Abstract*)

Occasional references have been made in geological literature to the brecciation which marks certain zones of the Cedar Valley limestone of eastern Iowa. Additional data is presented in this paper on this subject. A new type of structure which appears as slickensides and grooves is described and interpreted as the result of movement prior to complete hardening of the lime ooze. There is a suggestion that this movement may be partially responsible for the formation of the stylolites which also occur in the same bed.

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