

The definitions of the orders and the families of the Trilobita given by Dr. Beecher in article XVIII, point to the recent rapid advances made in palæobiologic studies; and whilst retaining the families adopted by Barrande, Salter and Zittel, the order of arrangement, consequent upon his own researches, is very different. There are certain families and genera of trilobites which Dr. Beecher has not yet included in his classifications. These it were well to keep in mind and obtain information thereon so as to enable them to be placed in their proper position in the classification. To Dr. Beecher and Mr. H. M. Bernard we owe much regarding the affinities and structure of a trilobite.—H. M. A.

BEECHER, CHAS. E.—*On the occurrence of Silurian strata in the Big Horn Mts., Wyoming, and in the Black Hills, South Dakota*, (not previously noted). Amer. Geol., Vol. XVIII, pp. 31-33, Minneapolis, July, 1896.

Dr. Beecher notes the occurrence near Buffalo, Wyoming, of *Halysites catenulatus*, L., *Heliolites interstinctus*, L., species of *Zaphrentis*, *Favosites* and *Amplexus*, besides a *Rhynchotrema* allied to *R. increbescens* and a small *Scenidium* or *Orthis* which may be from a horizon as yet indeterminate between the limits of the Trenton and Niagara. He further records the occurrence of *Endoceras annulatum* of *Maclurea Logani*, and of *Halysites* from a locality a few miles south-east of Deadwood, S. Dakota. "Recent investigations have shown," says the writer, "the unreliability of several species generally considered as characteristic of the American Niagara, notwithstanding that in Europe the same forms are well-known to have a wide vertical range."—H. M. A.

CROSBY, W. O.—*Glacial Drift*. Technology Quarterly, Vol. IX, Nos. 2 and 3, pp. 116-144, June and September, Boston, 1896.

CROSBY, W. O.—*Contribution to the Geology of Newport neck and Conanicut, Island*. Amer. Jour. Sc., Vol. III, pp. 230-236, March, New Haven, 1897.