

PLATE 31.

All the forms represented on this plate occur in the fresh-water Eocene deposits of Wyoming, Colorado, and Utah; and all are believed to be genetically related. They have been described by different authors under six respective names, according to the variation of ornamentation and form. (See remarks on page 58.)

Figs. 1, 2, and 3 may be regarded as representing the *Goniobasis simpsoni* of Meek; Figs. 5, 10, 12, and others, *G. tenera* Hall; Figs. 14, 15, 20, and others, *G. nodulifera* Meek; Figs. 19, 25, 28, and others, *G. carteri* Conrad; and Figs. 29 and 30, *G. columbis* White. Fig. 31 is a copy of Meek's figure of *G. arcata*, which he finally regarded as only a variety of his *G. simpsoni*. It is however, very like a form which occurs in the Laramie beds of Bear River Valley in Southwestern Wyoming.