

*Antedon eschrichti* and *Antedon carinata*, the ambulacral plating is reduced to small and irregular spicules without definite arrangement.

By means of these various characters, then, it is possible to subdivide the large specific groups, both in *Antedon* and in *Actinometra*, and to make out a detailed classification of the numerous species belonging to each genus. Except in a few cases, however, it would be premature as yet to make any attempt at distinguishing the structural and the adaptive characters respectively among those which we are at present inclined to regard as of specific value.