

### PLATE III.

|   | Page. |
|---|-------|
| Figs. 1, 2. <i>ARCHÆOCYATHUS ATLANTICUS</i> .....   | 73    |
| 1. Transverse section of specimen from L'Anse au Loup, Labrador, enlarged to show the irregular openings. Collection U. S. National Museum.                             |       |
| 1a. Longitudinal section showing more regularity in the arrangement of the skeleton than in the type specimen, pl. ii, fig. 1a. Collection U. S. National Museum.       |       |
| 1b. Longitudinal section of a specimen from Silver Peak, Nevada.  |       |
| 2. Longitudinal section of specimen from Silver Peak that shows still more regularity in the interior structure than either 1a or 1b. Collection U. S. National Museum. |       |
| 2a. Transverse section of fig. 2.   |       |
| Fig. 3. <i>ARCHÆOCYATHUS BILLINGSI</i> .....  | 74    |
| 3. Transverse section of a small specimen. Collection U. S. National Museum.  |       |
| 3a. Longitudinal section showing the central cavity, transverse septa, etc. The outer walls are mostly worn away. Collection U. S. National Museum.                     |       |
| 3b. Enlargement of a few transverse septa, showing the irregular vertical septa, pore openings in the septa, and the spicula-like pieces in the interseptal spaces.     |       |
| 3c. Enlargement of the spicula-like bodies in the cup and interseptal spaces.   |       |