

PLATE I.

Fig. 1. *Stylophora flabellata*, a part of the corallum ; natural size.

Fig. 1a. A calicle ; magnified. Surface view.

Fig. 1b. The inside of a calicle ; magnified.

Fig. 2. *Stylophora cellulosa*, a part of a branch ; natural size.

Fig. 2a. A typical calicle ; magnified. Surface view.

Fig. 2b. Magnified view of the inside of a calicle, taken from the extreme apex of a branchlet.

Fig. 2c. Magnified view of the inside of a typical calicle.

Fig. 3. *Pocillopora paucistellata*, a part of the corallum ; natural size.

Fig. 3a. A part of the surface with calicles ; magnified.

Fig. 4. *Pocillopora solida*, the main portion of the corallum ; natural size.

Fig. 4a. A part of the surface, with verrucæ ; magnified.

Fig. 4b. One of the verrucæ ; more highly magnified.

Fig. 4c. A magnified view of apical calicles, to show the stages in the development of tabulæ.

Fig. 4d. A vertical section of a part of the apex of a branchlet ; magnified.

Fig. 5. *Oculina recta*, a part of the corallum ; natural size.

Fig. 5a. A calicle ; magnified.

Fig. 5b. A vertical section of a calicle ; magnified.

Fig. 6. *Oculina coronalis*, a part of the corallum ; natural size.

Fig. 6a. A small branchlet ; natural size.

Fig. 6b. A calicle ; magnified.

Fig. 6c. A vertical section of a calicle ; magnified.