

PLATE XXXIII.

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Figs. 1-7. *Hyalonema poculum*, F. E. S., . . . . . 208

Fig. 1. A specimen, much damaged at the lower part, preserved in alcohol; natural size.

Fig. 2. Vertical section of the marginal portion of the specimen shown in fig. 1 (combination figure);  $\times 25$ .

Fig. 3. Marginal diact with four cruciateley disposed pointed central knobs;  $\times 300$ .

Fig. 4. Great amphidisc with four cruciateley disposed central knobs on the axial beam;  $\times 100$ .

Fig. 5. Small amphidisc;  $\times 300$ .

Fig. 6. Autodermal pentact pinulus;  $\times 300$ .

Fig. 7. Oxyhexact with straight rough rays;  $\times 300$ .

Figs. 8-15. *Hyalonema conus*, F. E. S., . . . . . 209

Fig. 8. A specimen without the basal tuft, preserved in alcohol; natural size.

Fig. 9. Great amphidisc with four cruciateley disposed central knobs at the axial beam;  $\times 300$ .

Fig. 10. Inferior part of an anchor-like spicule of the basal tuft;  $\times 100$ .

Figs. 11, 12. Middle-sized amphidiscs;  $\times 300$ .

Fig. 13. Small amphidisc;  $\times 300$ .

Fig. 14. Autodermal pentact pinulus, from the sieve-plate;  $\times 100$ .

Fig. 15. Autodermal pentact pinulus, from the lateral side;  $\times 100$ .