

PLATE XL.

*Hyalonema (Stylocalyx) globus*, F. E. S.,

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- Fig. 1. Specimen, preserved in alcohol, with damaged basal tuft ; natural size.
- Fig. 2. Fragment of the outer part, view of the outer side ;  $\times 60$ .
- Fig. 3. Strand of parenchymal diacts ;  $\times 200$ .
- Fig. 4. Parenchymal oxydiact with central knot ;  $\times 100$ .
- Fig. 5. Oxydiact with terminal barbs and four central pointed knobs, cruciately disposed ;  $\times 200$ .
- Fig. 6. Marginal oxydiact with four cruciately disposed central knobs ;  $\times 100$ .
- Fig. 7. Large amphidisc ;  $\times 100$ .
- Fig. 8. Inferior part of an anchor-like spicule of the basal tuft ;  $\times 100$ .
- Fig. 9. Spicules of the basal tuft ;  $\times 100$ .
- Fig. 10. Oxyhexact with straight smooth rays ;  $\times 500$ .
- Figs. 11, 13. Oxyhexasters, which do not belong to *Hyalonema (Stylocalyx) globus*, but have intruded from some other form ;  $\times 500$ .
- Fig. 12. Tetract with echinated ends, from the basal pad ;  $\times 100$ .
- Fig. 14. Oxyhexact with echinated rays ;  $\times 500$ .
- Fig. 15. Small amphidiscs ;  $\times 500$ .
- Fig. 16. Autodermal pentact pinulus ;  $\times 500$ .

This plate was arranged by Sir Wyville Thomson.

For "*Dictyosphæra*" on the plate read "*Hyalonema (Stylocalyx)*."