

PLATE LII.

Semperella schultzei, Semper,

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- Fig. 1. Ideal transverse section through the middle portion ; natural size.
- Fig. 2. A specimen, preserved in alcohol, with a *Palythoa* investment on the basal tuft ; probably a young specimen ; natural size.
- Fig. 3. External part of a transverse section of the young specimen shown in fig. 2 (combination figure) ; $\times 20$. The pinuli in the outer side of the terminal oscular sieve-plates have been erroneously omitted.
- Fig. 4. Oxyhexact with two long echinated and four short smooth rays ; $\times 100$.
- Fig. 5. Oxyhexact with straight echinated rays ; $\times 100$.
- Fig. 6. Fragment of dermal skeleton ; $\times 100$.
- Fig. 7. Small amphidisc ; $\times 300$.