

PLATE XIX.

Stryphnus niger,

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Figure 1. Sponge, growing on *Gelliodes poculum*, Ridley and Dendy; nat. size.

„ 2-9. Spicules—

Fig. 2. Oxea; $\times 32$.

„ 3. Dichotriæne; $\times 32$.

„ 4. An oxea not proper to the sponge,
derived from without; $\times 73$.

„ 5. Oxyaster; $\times 73$.

Fig. 6. Dichotriæne; $\times 73$.

„ 7. The oxea of fig. 4 more highly
magnified; $\times 360$.

„ 8. Oxyaster; $\times 360$.

„ 9. Amphiaster; $\times 430$.

„ 10. Transverse section through the outer part of the sponge, showing the
absence of chones in the cortex; $\times 15$.

„ 11. Section showing the histology of the cortex; $\times 292$.

„ 12. Part of a section through the choanosome; $\times 292$.

„ 13. Similar to the preceding, but showing one of the darkly stained
cells of the choanosome; $\times 292$.

„ 14, 15. Problematical elements from the cortex; $\times 430$.

„ 16-21. Pigment cells in various stages of development; $\times 430$.