

PLATE XVI.

PAGE
Figs. 1-5. *Astrella vosmaeri*, 136

Figure 1. Sponge, seated on a specimen of *Stelletta phrissens*; nat. size.

„ 2-5. Spicules—

Fig. 2. Dichotriæne; × 32.

„ 3. Cladal end of anatriæne; × 95.

„ 4. Pycnaster; × 540.

Fig. 5. Abnormal termination of an oxea, resembling an anamonæne; × 32.

Figs. 6-20. *Stelletta phrissens*, 150

„ 6, 7. Two examples of the sponge; nat. size.

„ 8-11. Spicules—

Fig. 8. Dichotriæne; × 32.

„ 9. Cladal end of anatriæne; × 292.

Fig. 10. Oxyaster; × 540.

„ 11. Spheraster; × 540.

„ 12. Radial section through the cortex; × 49.

„ 13. Transverse section through the inner fibrous layer of the cortex; × 292.

„ 14. Transverse section through an excurrent canal and adjacent sarcenchyma; × 180.

„ 15. Transverse section through the ectosome and adjacent choanosome of the very young sponge; × 360.

„ 16. A similar section taken from a still younger sponge than the preceding; × 360.

„ 17. Vertical median section through a young sponge, more advanced than the preceding; × 49.
(This is worked out in greater detail in the woodcut on page xxiii.)

„ 18. Section through the choanosome of the youngest example met with, showing that the aphodal character of the chamber system is established at a very early stage; × 292.

„ 19. Transverse section through the sponge at a later stage than that of fig. 17; × 10.

„ 20. Transverse section through the cortex of fig. 19; × 125.