

PLATE XXXVI.

Azorica pfeifferæ,

PAGE

319

Figure 1. The sponge; nat. size.

„ 2-20. Spicules—

Figs. 2, 3. Oxeas; $\times 95$.

„ 4-13. Various stages in the growth
of the desma; $\times 95$ (except fig. 9,
which is $\times 200$).

Figs. 14-19. Various forms of the fully
grown desma; $\times 95$.

„ 20. Two desmas in zygotis;
 $\times 200$.

„ 21. Part of section through the choanosome, showing the general appearance of the tissue; $\times 180$.

„ 22. Section at right angles to the surface, showing fusiform cells directed at right angles to the external epithelium; $\times 300$.

„ 23. Part of a section through the choanosome; $\times 360$.

„ 24. Isolated mesodermal cells; $\times 430$.

„ 25. Section through the choanosome, showing the general characters of the chamber-system; $\times 360$.

„ 26. Similar to the preceding, but more highly magnified; $\times 430$.

„ 27. Longitudinal section through one of the water canals; $\times 240$.

„ 28. Section at right angles to the surface, showing the arrangement of the subdermal cavities; $\times 34$.

„ 29. Part of a similar section taken from the oscular side of the sponge; $\times 180$.