

PLATE XII.

Figs. 1-28. *Anthastra pulchra*,

Figure 1. Sponge; nat. size.

„ 2-22. Spicules—

- Fig. 2. Oxea; × 49.
- „ 3. Orthotriene; × 49.
- „ 4. Anatriene; × 49.
- „ 5. Asters; × 49.
- „ 6. Chiaster; × 292.
- „ 7-13. Various forms of anthaster; × 292.
- „ 14, 15. Chiasters; × 292.
- „ 16. Young form of anatriene; × 292.
- „ 17. The same, more advanced; × 292.

- Fig. 18. The same, still more advanced; × 292.
- „ 19. Young form of orthotriene (the actines are more porrectate than in the adult); × 292.
- „ 20, 21. Young forms of anthaster; × 292.
- „ 22. Young form of orthotriene, the cladome seen from above, showing the remains of the tylus.

„ 23. Vertical median section through the sponge; × 4.

„ 24. Section through a part of the ectosome, showing a pore communicating with a subdermal cavity; × 73.

„ 25. Section through the outer part of the ectosome; × 292.

„ 26. Section through the ectosome and part of the choanosome, to show the subdermal cavities; × 15.

„ 27. Tangential section through the ectosome, showing lateral extension of the subdermal cavities; × 15.

„ 28. Section showing flagellated chambers; × 576.

Figs. 29-33. *Myriastras simplicifurca*,

„ 29. Sponge; nat. size.

„ 30-33. Spicules—

- Fig. 30. Oxea; × 32.
- „ 31. Orthotriene; × 32.

- Fig. 32. Anatriene; × 32.
- „ 33. Chiasters; × 292.

Figs. 34-43. *Myriastras clavosa*,

„ 34. Sponge; nat. size.

„ 35-38. Spicules—

- Fig. 35. Oxea; × 32.
- „ 36. Dichotriene; × 32.

- Fig. 37. Anatriene; × 32.
- „ 38. Chiasters; × 292.

„ 39. Vertical median section through the sponge; × 11.

„ 40. Vertical section passing tangentially through the walls of the cloaca; × 11.

„ 41. Section through a part of the ectosome; × 292.

„ 42. Section showing the sarcocytes of the sarcenchyma; × 292.

„ 43. Cladome of an anatriene, showing the extension over it of the scleroblast; × 292.