

*Disyringa dissimilis*, . . . . .

- Figure 1. The cloacal tube of which fig. 18 is a transverse section ; nat. size.
- „ 2. The cloacal tube of another specimen, showing the expanded hispidated termination ; nat. size. The position of this is inverted if the sponge be placed in the position of fig. 3.
- „ 3. Cloacal tube continuous with one-half of the sponge body ; nat. size.
- „ 4-13. Spicules—
- |                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Fig. 4. Orthomonæne ; × 32.</p> <p>„ 5. Orthotriæne, with cladus much over-developed ; × 32.</p> <p>„ 6. Dichomonæne ; × 32.</p> <p>„ 7. Cladome of a triæne seen <i>en face</i> ; one cladus is simple and well developed, one reduced to a tubercle, and the third is a dichocladius with the deuterocladi reduced to tubercles ; × 32.</p> | <p>Fig. 8. Somal orthodiæne ; × 32.</p> <p>„ 9. Somal orthomonæne ; × 32.</p> <p>„ 10. Somal oxea ; × 32.</p> <p>„ 11. Sanidasters ; × 540.</p> <p>„ 12. Oxyaster ; × 540.</p> <p>„ 13. Orthodragma, with its scleroblast ; × 540.</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
- „ 14. Transverse section through a part of the sponge, showing the cortex and a part of the choanosome ; × 22.
- „ 15. Transverse section through a cloacal tube with four canals ; × 10.
- „ 16. 16a. Sections through part of the choanosome, showing the flagellated chambers ; × 225.
- „ 17. Part of a longitudinal section through the cloacal tube of which fig. 15 is a transverse section ; × 11.
- „ 18. Transverse section through a cloacal tube, with 16 - 1 canals ; × 5·5. I. primary canals ; II. secondary ; and III. tertiary canals.
- „ 19. A part of the preceding section, more highly magnified ; × 16.
- „ 20. Section through the outer wall of the cloacal tube, with some of the adjacent strands of collenchyma, containing large pale vesicular cells ; × 225.
- „ 21. One of the vesicular cells of fig. 20 ; × 36
- „ 22. A flagellated chamber, showing the fenestrated membrane ; × 540.
- „ 23. Part of the outer wall of the cloacal tube from the outside, showing the longitudinal and transverse strands of fusiform cells which divide it into pore areas ; × 360.
- „ 24. Tissue adjacent to one of the spicules of the cloacal tube, showing fibrillated fusiform cells extending over the spicule, and between them deeply coloured granular collencytes ; × 200.
- „ 25. A fusiform cell from a spicule tract ; × 360.
- „ 26. The fusiform middle part of a myocyte ; × 360.