

PLATE II.

| | Diam. |
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| Fig. 1. Transverse section of <i>Cellaria australis</i> , MacGillivray; showing the opercula <i>in situ</i> , and also the distal rosette plates, | x 25 |
| Fig. 2. <i>Cellaria australis</i> , MacGillivray; section of operculum as seen in fig. 1, showing the denticles in the sockets, | x 250 |
| Fig. 3. <i>Cellaria australis</i> , MacGillivray; distal rosette plates, | x 250 |
| Fig. 4. <i>Cellaria australis</i> , MacGillivray; outer membranous layer decalcified, showing operculum and ovi-cellular cover <i>in situ</i> , | x 85 |
| Fig. 5. <i>Cellaria rigida</i> , MacGillivray; section showing the denticles, an ovicell, and the pore tubes, | x 85 |
| Fig. 6. <i>Cellaria rigida</i> , MacGillivray; longitudinal calcareous section at a lower level than fig. 7, | x 50 |
| Fig. 7. <i>Cellaria rigida</i> , MacGillivray; longitudinal calcareous section cut near the surface showing the pores, | x 85 |
| Fig. 8. <i>Porina coronata</i> , Reuss (sent as <i>Myrionozoum australiense</i> by Haswell from Holborn Island); section showing the ovicells, | x 25 |
| Fig. 9. <i>Adeonella polymorpha</i> , Busk; young cells, the lower one showing the commencement of the bridge, | x 85 |
| Fig. 10. <i>Adeonella polymorpha</i> , Busk; ovicelligerous cell with double pore, | x 85 |
| Fig. 11. <i>Adeonella polymorpha</i> , Busk; with bridge forming a peristomial pore, | x 85 |
| Fig. 12. <i>Thalamoporella labiata</i> , Busk; calcareous section diagonally through a zoecium, thus showing the projecting rosette plates, | x 25 |
| Fig. 13. <i>Thalamoporella labiata</i> , Busk; diagrammatical section showing the position of the rosette plates. | |
| Fig. 14. <i>Thalamoporella labiata</i> , Busk; transverse section, | x 25 |
| Fig. 15. <i>Thalamoporella labiata</i> , Busk; section through the rosette plate, | x 250 |
| Fig. 16. <i>Monoporella capense</i> , Busk; showing lamina for the muscular attachments and also distal rosette plates, | x 25 |
| Fig. 17. <i>Monoporella capense</i> , Busk; distal rosette plate, | x 250 |
| Fig. 18. <i>Melicerita atlantica</i> , Busk; longitudinal section showing the position of the ovicell, | x 12 |
| Fig. 19. <i>Melicerita dubia</i> , Busk; diagrammatic transverse section, | x 12 |
| Fig. 20. <i>Adeonella atlantica</i> , Busk; longitudinal section showing the position of the peristomial pore, | x 25 |
| Fig. 21. <i>Schizoporella polymorpha</i> , Busk, | x 25 |
| Fig. 22. <i>Schizoporella polymorpha</i> , Busk; section showing the peristomial aperture, with the operculum <i>in situ</i> , and also an ovicell in section, | x 25 |
| Fig. 23. <i>Schizoporella polymorpha</i> , Busk; diagrammatic longitudinal section, | x 4 |
| Fig. 24. <i>Schizoporella polymorpha</i> , Busk; operculum, | x 85 |
| Fig. 25. <i>Schizoporella challengeria</i> , n. n.; showing the position of the operculum and a cavity below the peristome (probably an ovicell), | x 25 |
| Fig. 26. <i>Schizoporella challengeria</i> , n. n.; diagrammatic section of zoarium, | x 3 |
| Fig. 27. <i>Schizoporella challengeria</i> , n. n.; section through the peristomial aperture, showing the tube leading to the avicularium, | x 85 |
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| Fig. 29. <i>Membranipora tubigera</i> , Busk; transverse section, | x 25 |
| Fig. 30. <i>Membranipora tubigera</i> , Busk; longitudinal section showing avicularian chamber and rosette plates, | x 25 |
| Fig. 31. <i>Bifaxaria denticulata</i> , Busk; longitudinal section showing the ovicell above the oral aperture, | x 25 |
| Fig. 32. <i>Steganoporella neozelanica</i> , Busk; longitudinal section, | x 25 |
| Fig. 33. <i>Thalamoporella labiata</i> , Busk; longitudinal section, | x 12 |
| Fig. 34. <i>Micropora impressa</i> , Moll; longitudinal section, from Naples, | x 25 |
| Fig. 35. <i>Adeonella (?) regularis</i> , Busk; operculum, | x 85 |
| Fig. 36. <i>Adeonella polystomella</i> , Reuss; operculum, | x 85 |
| Fig. 37. <i>Adeonella atlantica</i> , Busk; operculum, | x 85 |
| Fig. 38. <i>Adeonella platalca</i> , Busk; operculum, | x 85 |
| Fig. 39. <i>Adeonella intricaria</i> , Busk; operculum, | x 85 |
| Fig. 40. <i>Adeonella polymorpha</i> , Busk; operculum, | x 85 |