

PLATE XLVIII.

Porpalia prunella, n. sp. (p. 58).

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| Fig. 1. The medusiform corm, seen from the superior or exumbrellar face. The radiate pneumatocyst shines through the central part of the exumbrella, which exhibits numerous radial ribs and rows of stigmata. The margin of the umbrella is beset with glands and surrounded by a corona of tentacles arranged in eight radial bunches, | × 10 |
| Fig. 2. Lateral view of the same corm in profile. A deep subumbrellar circular furrow separates the margin of the umbrella (<i>um</i>) from the multiple corona of tentacles (<i>t</i>). Many tentacles are detached and their insertions only visible (<i>tu</i>); <i>w</i> , subumbrella; <i>ue</i> , exumbrella. The large central siphon (<i>sa</i>), with a long proboscis and octolobate mouth (<i>ss</i>), is surrounded by a corona of eight peripheral smaller siphons (<i>sx</i>) bearing numerous medusiform gonophores (<i>g</i>), | × 20 |
| Fig. 3. Vertical meridional section through the main axis of the same corm. The central air-chamber (<i>ph</i>) of the campanulate pneumatocyst is separated by the subspherical centradenia (<i>uc</i>) from the base of the central siphon (<i>sh</i>); <i>so</i> , central mouth; <i>st</i> , lamina gastrobasalis. Two smaller sexual siphons (<i>sx</i>) bearing gonophores (<i>g</i>) are visible beyond the corona of tentacles (<i>t</i>). The other characters as in fig. 2, | × 20 |
| Fig. 4. Apical view of the pneumatocyst (from the superior side), with radial marginal lobes expanded, | × 10 |
| Fig. 5. Basal view of the pneumatocyst (from the inferior side), with numerous simple tracheæ, | × 10 |
| Fig. 6. A radial segment of the pneumatocyst (fig. 5), from the inferior side. <i>ph</i> , Central chamber; <i>pk</i> , concentric chambers; <i>pt</i> , simple tracheæ, | × 50 |
| Fig. 7. A radial segment of the centradenia, from the superior side, taken from <i>Porpita fungia</i> (Pl. XLV.). The numerous dentate radial lamellæ, which arise from the upper surface of the central gland, fit into corresponding radial furrows between the crests arising from the lower side of the pneumatocyst, | × 20 |
| Fig. 8. Radial section through the middle portion of the pneumatocyst, exhibiting three concentric air-chambers (<i>pk</i>). <i>pg</i> , Pneumothyræ (pori communicantes); <i>pe</i> , stigmata; <i>pt</i> , tracheæ, | × 80 |