

PLATE XXIII.

The figures of this Plate were drawn by me from living specimens in the Canary Island Lanzerote, December 26, 1866.

Nectophysa wyvillei, n. sp. (p. 327).

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| Fig. 1. A complete corm, in the expanded state, quietly floating on the surface.
<i>p</i> , Pneumatophore; <i>po</i> , its apical stigma; <i>pv</i> , hypocystic villi; <i>a</i> , trunk; <i>s</i> , siphons; <i>t</i> , tentacles; <i>ga</i> , gonodendra, | nat. size |
| Fig. 2. A complete larger corm, in the expanded state, with twisted trunk, reposing on the bottom of the glass vessel. The suctorial mouth-discs of the lower siphons are attached to the wall of the vessel. Characters as in fig. 1, | nat. size |
| Fig. 3. A complete corm (the same as fig. 1) in the contracted state, with shortened and thickened trunk, coiled up in a dextrotropic spiral. An air-bubble (<i>x</i>) is being expelled through the apical stigma (<i>po</i>) of the pneumatophore; <i>pf</i> , pneumatocyst; <i>pp</i> , pigment-cap (mitra ocellaris); <i>pv</i> , hypocystic villi, | × 4 |
| Fig. 4. Uppermost portion of the fully contracted trunk. The pneumatocyst (<i>pf</i>) is nearly evacuated and the greatest part of the gas expelled through the apical stigma (<i>po</i>). The hypocystic villi (<i>pv</i>) are thrown into the vesicular inflated apical portion of the trunk (<i>a</i>); <i>i</i> , buds; <i>ga</i> , gonodendra; <i>s</i> , siphons, | × 10 |
| Fig. 5. A single siphon, with its tentacle (<i>t</i>) attached to the trunk (<i>at</i>); <i>ts</i> , tentilla, | × 20 |
| Fig. 6. A small portion of a tentillum. <i>kc</i> , Cnidocysts; <i>tw</i> , palpoblasts, | × 300 |
| Fig. 7. A single cnidocyst with the included cnidofilament, | × 900 |
| Fig. 8. A single branch of a gonodendron. <i>gq</i> , Gonopalpon; <i>h</i> , androphores; <i>hx</i> , spadix; <i>hs</i> , sperma; <i>f</i> , gynophore; <i>fm</i> , its rudimentary manubrium; <i>uw</i> , subumbrellar cavity, | × 50 |