

PLATE V.

Figs. 1-5. *Bathypathes patula*, n. sp.

| | Diam. |
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| Fig. 1. The whole corallum clothed with polyps and cœnenchyma to near the base; natural size. | |
| Fig. 2. View of a portion of the stem and its branches, showing the form and position of the dimorphic zooids, | × 2 |
| Fig. 3. Terminal portion of a branch, the distal half of which is membranous and devoid of spines, | × 5 |
| Fig. 4. Middle portion of a branch, showing the typical arrangement of spines, | × 13 |
| Fig. 5. <i>Bathypathes patula</i> , var. <i>plenispina</i> , nov. Middle portion of a branch, showing the arrangement of the spines, | × 13 |

Figs. 6-9. *Aphanipathes sarothamnoides*, n. sp.

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| Fig. 6. Portion of the corallum, showing the mode of branching; about one-half natural size (from a photograph). | |
| Fig. 7. One of the branches and its derivatives; natural size. | |
| Fig. 8. Anterior view of part of a branchlet, showing five polyps, | × 4 |
| Fig. 9. Portion of a branchlet, showing the arrangement of the spines, | × 13 |
| Fig. 9a. One spine; more highly magnified, | × 52 |