

PLATE VIII.

AMMOCONIDÆ.

Figs. 1A-1C. *Ammolynthus prototypus*, n. sp. (p. 27).

|  | Diam. |
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| Fig. 1A. A complete specimen, exhibiting the pores ( <i>p</i> ) in the thin wall of the urn-shaped body. The greatest part of the wall is composed of various Radiolarian shells cemented together by a scanty maltha. The simple gastral cavity opens above by a cylindrical osculum ( <i>o</i> ), . . . . .              | × 50  |
| Fig. 1B. Transverse section through the basal portion of the body (semi-diagrammatic). <i>r</i> , Radiolarian shells; <i>m</i> , maltha of the mesoderm; <i>e</i> , eggs; <i>v</i> , germinal vesicle; <i>n</i> , remnants of the flagello-epithelium; <i>p</i> , pores, . . . . .   | × 200 |
| Fig. 1C. A small piece of the body-wall, seen from the inside. In the clear maltha ( <i>m</i> ) between the Radiolarian shells are visible single eggs ( <i>e</i> ) and amœboidal wandering cells ( <i>a</i> ); some pieces of the entodermal flagellated epithelium ( <i>n</i> ) are visible; <i>p</i> , pores, . . . . . | × 150 |

Fig. 2. *Ammolynthus haliphysema*, n. sp. (p. 28).

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| Fig. 2. <i>o</i> , osculum; <i>p</i> , pores; <i>x</i> , xenophya ( <i>Globigerina</i> ooze), . . . . . | × 8 |
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Fig. 3. *Ammosolenia rhizammina*, n. sp. (p. 29).

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| Fig. 3. A small corm, composed of eight persons, . . . . . | × 6 |
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Fig. 4. *Ammoconia auloplegma*, n. sp. (p. 31).

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| Fig. 4. Transverse section through a cylindrical branch of the reticular sponge (semi-diagrammatic); <i>n</i> , flagello-epithelium; <i>m</i> , maltha; <i>x</i> , xenophya ( <i>Foraminifera</i> shells); <i>p</i> , pores, . . . . . | × 50 |
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Figs. 5A, 5B. *Ammoconia sagenella*, n. sp. (p. 31).

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| Fig. 5A. The reticular body of the sponge, composed of anastomosing cylindrical tubes, . . . . .   | × 4   |
| Fig. 5B. A small portion of the porous wall of a cylindrical tube, seen from the inside. <i>x</i> , xenophya; <i>p</i> , dermal pores, . . . . . | × 200 |