

PLATE XXIX.

- Fig. 1.** Section of manganese nodule from Station 285; 2375 fathoms, South Pacific. It shows a zonary arrangement of the concretion around a fragment of a shark's tooth. The alternate zones consist of lighter and darker layers, the manganese being accumulated in the dark, and the clayey matters more abundant in the light, bands (magnified 37 diameters).
- Fig. 2.** Section of manganese nodule from the same station. This concretion contains several nuclei. Near the upper part of the figure there is a section of a shark's tooth, and portions of other teeth may be seen in different parts of the figure. Near the lower part there is a volcanic lapilli, containing green augite and plagioclase. Around each of these centres the manganese has been deposited in a concentric manner, and during the growth of the nodule the numerous other particles have been enveloped by the manganese (magnified 37 diameters).
- Fig. 3.** Section of manganese nodule from the same station. This preparation shows the arrangement of the manganese under a higher power, the manganese being more abundant in the dark patches, while the lighter colour represents the spaces for the most part made up of clayey and earthy matters (magnified 145 diameters).
- Fig. 4.** Section of manganese nodule from the same station. This figure shows the zonary arrangement of the manganese around two principal centres, and their subsequent envelopment in one nodule by the continuous deposition of layers of manganese, which have enclosed at the same time the clayey matters with their fragments of minerals and organisms (magnified 37 diameters).