

THE
VOYAGE OF H.M.S. CHALLENGER.

ZOOLOGY.

REPORT on the BONES OF CETACEA collected during the Voyage of H.M.S. Challenger in the years 1873-1876. By WILLIAM TURNER, M.B. (Lond.), F.R.SS. L. and E., Professor of Anatomy in the University of Edinburgh.

PROFESSOR SIR C. WYVILLE THOMSON having entrusted to me for purposes of description the bones of the CETACEA collected during the voyage of H.M.S. Challenger, I have to report as follows :—

The specimens which were placed in my hands for examination were—

A. The skull, without the lower jaw, of an adult *Mesoplodon layardi*. This specimen is now in the Oxford Museum, and I am indebted to Professor Rolleston for the opportunity of examining it.

B. The end of the rostrum, with the corresponding part of the lower jaw, and the two mandibular teeth of *Mesoplodon layardi*, also in the Oxford Museum.

C. The skull and a large part of the skeleton of an immature Cetacean, evidently a young *Mesoplodon layardi*.

D. A skull with lower jaw from the Colonial Museum, Wellington, New Zealand, marked *Epiodon chathamensis*, but which I regard as a specimen of *Ziphius cavirostris*.

E. Atlas, axis, and 3d and 4th cervical vertebræ of Humpback whale of New Zealand, from the Colonial Museum, Wellington.

F. Cervical vertebræ of Right whale of New Zealand, from the Colonial Museum, Wellington.

G. Numerous ear-bones and some fragments of other bones brought up by the dredge from the floor of the ocean.