

Annelids.—The Structure and Mode of Formation of Globigerina Ooze.—The Habits of the Living <i>Globigerina</i> .— <i>Orbulina universa</i> .— <i>Pulvinulina</i> .—"Coccoliths" and "Rhabdoliths."—The Origin and Extension of the "Red Clay."—Radiolarian Ooze.—The Use of the Tow-net.—The Vertical Distribution of Temperature throughout the Section.—Specific Gravities. . . . .	Page 166
APPENDIX A.—Table of Temperatures observed between Teneriffe and Sombrero Island. . . . .	235
APPENDIX B.—Table of Specific Gravities observed between Teneriffe and Sombrero Island. . . . .	237

## CHAPTER IV.

## ST. THOMAS TO BERMUDAS.

Dredging in Moderate Depths in the West Indian Seas.—New Blind Crustaceans.—Deep-sea Corals.— <i>Hyalonema toxeres</i> .—An Accident.—A Deep Sounding.—The Miller-Casella Thermometers.—Temperatures.—Arrival at Bermudas.—History of the Islands.—Their General Appearance.—"Red" and "Blue" Birds.—The Corals which form the Reefs.—The Geology of Bermudas.—General Nelson's Description.—Æolian Rocks.—Calcareous Concretions simulating Fossils.—The Topography of the Islands.—Their Products.—Their Climate.—Their Vegetation. . . . .	239
APPENDIX A. — Report from Professor Abel, F.R.S., to H. E. General Lefroy, C.B., F.R.S., on the Character and Composition of Samples of Soil from Bermudas. .	323
APPENDIX B.—Abstract of Temperature Observations taken at Bermudas from the Year 1855 to the Year 1873. . . . .	328

## CHAPTER V.

## THE GULF-STREAM.

Departure from Bermudas.—Sounding and Dredging near the Islands.— <i>Madracis asperula</i> .—The Determination of Surface and Deep Currents.—Difficulty and Uncertainty of our Present Method of Observation.—The Current-drag.—Sounding in the Gulf-stream in Rough Weather.—The Temperature of the Stream.— <i>Aceste bellidifera</i> .— <i>Porcellanaster ceruleus</i> .— <i>Ærope rostrata</i> .—Dredged a Huge Syenite Boulder.—Le Have Bank.—Mirage.—Halifax.—Ice-markings.—Recross the Gulf-stream.—General Considerations.—Comparison between the Gulf-stream and the Japan Current.— <i>Calymne relictæ</i> .— <i>Ophioglyphæ bullatæ</i> .— <i>Lefroyella decora</i> .—Return to Bermudas. . . . .	332
APPENDIX A.—Table of Serial Temperature Soundings taken between St. Thomas, Bermudas, and Halifax. . . . .	376
APPENDIX B.—Table of the Bottom Temperatures taken between St. Thomas, Bermudas, and Halifax. . . . .	377
APPENDIX C.—Specific-gravity Observations taken between St. Thomas, Bermudas, and Halifax. . . . .	378
APPENDIX D.—Table of Meteorological Observations made in crossing and recrossing the Gulf-stream. . . . .	379