CONTENTS.

the Pre-Glacial Forests of England-Objections of Theologians to the Geological Theory of the Antiquity of the Earth and of the Human Race considered-Extent of the Glacial Period in Scotland-Evidences of Glacial Action in Glencoe, Gareloch, and the Highlands of Sutherland-Scenery of Scotland owes its Characteristics to Glacial Action-The Period of Elevation which succeeded the Period of Subsidence-Its Indications in Raised Beaches and Subsoils-How the Subsoils and Brick Clays were formed-Their Economic Importance-Boulder-Stones interesting Features in the Landscape-Their prevalence in Scotland-The more remarkable Ice-travelled Boulders described-Anecdotes of the 'Travelled Stone of Petty' and the Standing-Stone of Torboll-Elevation of the Land during the Post-Tertiary Period which succeeded the Period of the Boulder-Clay-The Alpine Plants of Scotland the Vegetable Aborigines of the Country-Panoramic View of the Pleistcene and Post-Tertiary Periods-Modern Science not adverse to the Development of the Imaginative Faculty, . 44-80 . .

LECTURE THIRD.

The Poet Delta (Dr. Moir)—His Definition of Poetry—His Death—His Burial-place at Inveresk—Vision, Geological and Historical, of the Surrounding Country—What it is that imparts to Nature its Poetry—The Tertiary Formation in Scotland—In Geologic History all Ages contemporary—Amber the Resin of the *Pinus succinifer*—A Vegetable Production of the Middle Tertiary Ages—Its Properties and Uses—The Masses of Insects enclosed in it—The Structural Geology of Scotland—Its Trap Rock—The Scenery usually associated with the Trap Rock—How formed —The Cretaceous Period in Scotland—Its Productions—The Chalk Deposits—Death of Species dependent on Laws different from those which determine the Death of Individuals—The Two great Infinites, . 81-120

LECTURE FOURTH.

The Continuity of Existences twice broken in Geological History—The three great Geological Divisions representative of three independent Orders of Existences-Origin of the Wealden in England-Its great Depth and high Antiquity-The question whether the Weald Formation belongs to the Cretaceous or the Oolitic System determined in favour of the latter by its Position in Scotland-Its Organisms, consisting of both Salt and Fresh-Water Animals, indicative of its Fluviatile Origin, but in proximity to the Ocean-The Outliers of the Weald in Morayshire-Their Organisms -The Sabbath-Stone of the Northumberland Coal Pits-Origin of its Name-The Framework of Scotland-The Conditions under which it may have been formed-The Lias and the Oolite produced by the last great Upheaval of its Northern Mountains-The Line of Elevation of the Lowland Counties-Localities of the Oolitic Deposits of Scotland-Its Flora and Fauna-History of one of its Pine Trees-Its Animal Organisms -A Walk into the Wilds of the Oolite Hills of Sutherland, . . 121-152