CONTENTS.

PART I.


II. Description of some Fossil Remains of Chæropotamus, Palæotherium, Anoplotherium, and Dichobunes, from the Eocene Formation, Isle of Wight. By Richard Owen, Esq., F.R.S., F.G.S. . . . . . . . . p. 41

III. Observations on the Fossils representing the Thylacotherium Prevostii (Valenciennes), with reference to the Doubts of its Mammalian and Marsupial Nature recently promulgated; and on the Phascolotherium Bucklandi. By Richard Owen, Esq., F.R.S., F.G.S.

Part I.—On the Thylacotherium . . . . . . . . . . . . . p. 47
Part II.—On the Phascolotherium . . . . . . . . . . . . p. 58

IV. A Letter from Dr. Harlan, addressed to the President, on the Discovery of the Remains of the Basilosaurus or Zeuglodon. . . . . . p. 67

V. Observations on the Basilosaurus of Dr. Harlan (Zeuglodon cetoides, Owen). By Richard Owen, Esq., F.R.S., F.G.S. . . . . . . . . p. 69

VI. Description of a Tooth and Part of the Skeleton of the Glyptodon clavipes, a large Quadruped of the Edentate Order, to which belongs the Tesselated Bony Armour described and figured by Mr. Clift in a former Volume of the Transactions of the Geological Society; with a consideration of the Question whether the Megatherium possessed an analogous Dermal Armour. By Richard Owen, Esq., F.R.S., F.G.S. . . . . . . . . . . . . . p. 81

VII. On the Geology of the Neighbourhood of Lisbon. By Daniel Sharpe, Esq., F.L.S., F.G.S. . . . . . . . . . . . . . . . . . p. 107

VIII. Remarks on some Fossil and Recent Shells, collected by Captain Bayfield, R.N., in Canada. By Charles Lyell, Esq., V.P.G.S., F.R.S. & F.L.S. p. 135

IX. On the Distribution of Organic Remains in the Strata of the Yorkshire Coast, from the Upper Sandstone to the Oxford Clay inclusive. By W. C. Williamson, Esq. . . . . . . . . . . . p. 143


XI. A Letter to Charles Lyell, Esq., on some Changes of Level which have taken place in Denmark during the present period. By George Forchhammer, Phil. Doct., For. Mem. G.S. . . . . . . . . . . . . . . . p. 157
CONTENTS.

XII. Description of Bones of the Mammoth found in the deep Sea of the British Channel and German Ocean. By Capt. J. B. Martin, Harbour-Master at Ramsgate. (Communicated by Sir John Rennie, F.R.S., F.G.S.) p. 161

XIII. On Subsidence produced by working Beds of Coal. In a Letter to C. Lyell, Esq., F.G.S., from John Buddle, Esq., F.G.S. p. 165


XV. Description of the Fossil Trees found in the Excavations for the Manchester and Bolton Railway. By John Hawkshaw, Esq., F.G.S. p. 173

XVI. Further Observations on the Fossil Trees found in the Excavations for the Manchester and Bolton Railway. By John Hawkshaw, Esq., F.G.S. p. 177

XVII. On the Siliceous Bodies of the Chalk, Greensands and Oolites. By James Scott Bowerbank, Esq., F.G.S. p. 181

XVIII. Notes on a small Patch of Silurian Rocks to the West of Abergele, on the Northern Coast of Denbighshire, visited 18th and 19th July 1837. By John Eddowes Bowman, Esq., F.L.S. (Communicated by R. I. Murchison, Esq., V.P.G.S.) p. 195

XIX. A Description of some of the Soft Parts with the Integument of the Hind-fin of the Ichthyosaurus, indicating the Shape of the Fin when recent. By Richard Owen, Esq., F.R.S., F.G.S. p. 199

XX. Description of the Fossil Remains of a Mammal (Hyracotherium leporinum) and a Bird (Lithornis vulturinus) from the London Clay. By Richard Owen, Esq., F.R.S., F.G.S. p. 203

XXI. Description of some Ophidiolites (Palaeophis toniapius) from the London Clay at Sheppey, indicative of an extinct species of Serpent. By Richard Owen, Esq., F.R.S., F.G.S. p. 209

XXII. Observations on the Locality of the Hyracotherium. By William Richardson, Esq., F.G.S. p. 211

XXIII. On the Great Fault, called the Horse, in the Forest of Dean Coal-field. By John Buddle, Esq., F.G.S. p. 215

A List of Donations to the Library, to the Collection of Maps, Plans, Sections and Models; and to the Museums.

Explanation of the Plates.