

CONTENTS.

PART I.

- I. *On the Geology of the Neighbourhood of Weymouth and the adjacent Parts of the Coast of Dorset.* By the Rev. William Buckland, D.D. F.G.S. F.R.S. (Professor of Geology and Mineralogy in the University of Oxford), and Henry Thomas De la Beche, Esq. F.G.S. F.R.S. &c. p. 1
- II. *Introduction to the General Structure of the Cumbrian Mountains; with a Description of the great Dislocations by which they have been separated from the neighbouring Carboniferous Chains.* By the Rev. Adam Sedgwick, V.P.G.S. F.R.S. &c. (Woodwardian Professor in the University of Cambridge) p. 47
- III. *Description of a Series of Longitudinal and Transverse Sections through a Portion of the Carboniferous Chain, between Penigent and Kirkby Stephen.* By the Rev. Adam Sedgwick, V.P.G.S. F.R.S. &c. (Woodwardian Professor in the University of Cambridge) p. 69

PART II.

- IV. *Observations on some of the Strata between the Chalk and the Oxford Oolite in the South-east of England.* By William Henry Fitton, M.D. P.G.S. F.R.S. &c. p. 103
- V. *Zoological Observations on a New Fossil Species of Chelydra, from Æningen.* By Thomas Bell, Esq. F.G.S. F.R.S. p. 379
- VI. *On the new Red Sandstone Series in the Basin of the Eden, and north-western Coasts of Cumberland and Lancashire.* By the Rev. Adam Sedgwick, V.P.G.S. F.R.S. &c. (Woodwardian Professor in the University of Cambridge) p. 383
- VII. *On a Portion of Dukhun, East Indies.* By Lieut.-Colonel William Henry Sykes, F.G.S. F.R.S. F.L.S. p. 409
- VIII. *On the Geology of the Environs of Bonn.* By Leonard Horner, Esq. F.G.S. F.R.S.S. L. & E. p. 433

Index p. 483

A List of Donations to the Library, to the Collection of Maps, Plans, Sections, and Models, and to the Museum; from the Close of the 26th Session in June, 1833, to the Close of the 29th Session in June 1836.

Explanation of the Plates.

Plates and Maps to the Volume.



* * The Binder is directed to place the Lists of Officers and Council immediately after the Title Page, in the order of their Dates; and he is to place Plate X. b. *before* Plate X. a., that both may fold out, and be examined at the same time.