CONTENTS.

I. Account of Guernsey, and the other Channel Islands. By J. Mac Culloch, M.D. F.L.S. Member of the Geological Society, p. 1

II. A Description of the Red Oxid of Copper, the production of Cornwall, and of the varieties in the form of its Crystal, with observations on the Lodes which principally produced it; and on the Crystallization of the Arseniated Iron. By William Phillips, Esq. Member of the Geological Society. p. 23

III. A Sketch of the natural History of the Cheshire Rock-Salt District. By Henry Holland, Esq. Honorary Member of the Geological Society. p. 38

IV. Account of the Pitch Lake of the Island of Trinidad. By Nicholas Nugent, M.D. Honorary Member of the Geological Society. p. 63

V. Memoir on the Laumonite. By M. le Comte de Bournon, Foreign Secretary of the Geological Society. p. 77

VI. Observations on the Physical Structure of Devonshire and Cornwall. By J. F. Berger, M.D. Honorary Member of the Geological Society. p. 93

VII. An Account of "The Sulphur" or "Souffrière" of the Island of Montserrat. By Nicholas Nugent, M.D. Honorary Member of the Geological Society. p. 185

VIII. Observations on the Wrekin, and on the great Coal-Field of Shropshire. By Arthur Aikin, Esq. Member of the Geological Society. p. 191

IX. A Chemical Account of an Aluminous Chalybeate Spring in the Isle of Wight. By Alexander Marcet, M.D. F.R.S. one of the Physicians to Guy's Hospital, and Member of the Geological Society. p. 213
CONTENTS.

X. A Sketch of the Geology of some parts of Hampshire and Dorsetshire.
   By J. F. Berger, M.D. Honorary Member of the Geological Society.
   p. 249

XI. Notice respecting the Geological Structure of the Vicinity of Dublin;
    with an account of some rare Minerals found in Ireland. By William
    Fitton, M.D.
    p. 269

     Secretary of the Geological Society.
     p. 281

XIII. Notice accompanying a Section of Heligoland, drawn up from the
      Communications of Lieutenants Dickinson and Mac Culloch, of the
      Royal Engineers. By John Mac Culloch, M.D. F.L.S. Member of the
      Geological Society.
      p. 322

XIV. Observations on some of the Strata in the Neighbourhood of London,
     and on the Fossil Remains contained in them. By James Parkinson, Esq.
     Member of the Geological Society.
     p. 324

XV. Memoir on Bardiglione or Sulphate of Lime, containing a Sketch
     of a Theory of the true Nature of Plaster, as well as of its Properties;
     in order to determine the differences that exist between it and Bardig-
     lione. By The Count de Bournon, F.R.S. &c. Foreign Secretary of the
     Geological Society.
     p. 355

XVI. Notice respecting Native Concrete Boracic Acid. By Smithson
     Tennant, Esq. F.R.S. &c.
     p. 389

XVII. Sketch of the Geology of Madeira. By the Hon. Henry Grey
      Bennett.
      p. 391

XVIII. Notice respecting the Decomposition of Sulphate of Iron by
       Geological Society.
       p. 399

List of Donations.

Index.

p. 401

p. 413