

TABLE OF CONTENTS.

PART I.—ORIGINAL COMMUNICATIONS.

	Page
ABICH, Dr. H. On some Points in the History and Formation of Etna	117
ANSTED, Prof. D. T. On the Geology of Malaga and the Southern part of Andalusia	585
BATE, C. Spence, Esq. On the Fossil Crustacean found in the Magnesian Limestone of Durham by Mr. J. Kirkby, and on a New Species of Amphipod. (With a Plate.)	137
BECKLES, S. H., Esq. On Fossil Foot-prints in the Sandstone at Cummingstone. [Abstract.]	461
BIGSBY, Dr. J. J. On the Palæozoic Basin of the State of New York. Part III. An Inquiry into the Sedimentary and other External Relations of the Palæozoic Fossils of the State of New York	86, 251
BINNEY, E. W., Esq. Notice of Lias Deposits at Quarry-Gill and other places near Carlisle	549
——. Observations on <i>Stigmaria ficoides</i> . (With a Plate.)	76
BROWN, John, Esq. On the Occurrence of some Tertiary Fossils at Grove Ferry, near Canterbury, Kent; with Descriptions of some of the Species, by G. B. SOWERBY, Esq., F.L.S. (With a Plate.) ..	133
BROWN, the Rev. T. On a Section of a part of the Fifeshire Coast. .	59
BUNBURY, Charles J. F., Esq. On some Vegetable Remains from Madeira	50
DAWSON, Dr. J. W. On Fossil Plants from the Devonian Rocks of Canada	477
——. On the Lower Coal-measures, as developed in British America	62
——. On the Vegetable Structures in Coal	626
FISHER, the Rev. O. On some Natural Pits on the Heaths of Dorsetshire. [Abstract.]	187
GODWIN-AUSTEN, Capt. H. H. On the Lacustrine or Karéwah Deposits of Kashmere	128, 221
GOULD, Charles, Esq. Description of a New Fossil Crustacean from the Lower Greensand of Atherfield	140, 237

	Page
HARKNESS, Prof. R. On the Jointings in the Carboniferous and Devonian Rocks in the District around Cork; and on the Dolomites of the same District	86
HARLEY, John, Esq. Description of Two Species of <i>Cephalaspis</i> . [Abstract.]	503
HAUGHTON, the Rev. Prof. Samuel. On the Black Mica of the Granite of Leinster and Donegal, and its probable identity with Lepidomelane	129
HAWKES, W., Esq. On an Experiment in Melting and Cooling some of the Rowley Rag. [Abstract.]	105
HUNT, T. Sterry, Esq. On some Points in Chemical Geology	488
HUXLEY, Prof. T. H. On a Fossil Bird and a Fossil Cetacean from New Zealand	671
——. On a New Species of <i>Dicynodon</i> (<i>D. Murrayi</i>) from near Colesberg, South Africa. [Abstract.].....	555
——. On some Amphibian and Reptilian Remains from South Africa and Australia	642
——. On the Dermal Armour of <i>Crocodylus Hastingsæ</i>	678
——. On the <i>Rhamphorhynchus Buchlandi</i> from the Stonesfield Oolite	658
——. On the <i>Stagonolepis Robertsoni</i> (Agassiz) of the Elgin Sandstones; and on the recently discovered Footmarks in the Sandstones of Cummington. (With a Plate.).....	440
JAMIESON, T. F., Esq. On an Outlier of Lias in Aberdeenshire....	131
KIRKBY, Mr. J. W. On the Permian Chitonidæ. (With a Plate.)	607
LECKENBY, John, Esq. On the Kelloway Rock of the Yorkshire Coast. (With 3 Plates.)	4
MALCOLMSON, Dr. J. G. On the Relations of the different parts of the Old Red Sandstone in which Organic Remains have recently been discovered, in the Counties of Moray, Nairn, Banff, and Inverness. (With a Plate.)	336
MILLER, John, Esq. On the Succession of the Rocks on the Northern Coast of Scotland.....	461, 578
MOORE, J. C., Esq. On a Protrusion of Silurian Rock in the North of Ayrshire	1
MORRIS, Prof. J. On a Species of Fern from the Coal-measures of Worcestershire.....	80
MURCHISON, Sir R. I. On the Succession of the Older Rocks in the Northernmost Counties of Scotland; with some Observations on the Orkney and Shetland Islands. (With 2 Plates.).....	354
——. On the Sandstones of Morayshire (Elgin, &c.) containing Reptilian Remains; and on their Relations to the Old Red Sandstone of that Country	419

TABLE OF CONTENTS.

v

	Page
MURRAY, the Hon. C. A. On some Minerals from Persia	605
— On some Mineral Springs near Tehran, Persia. [Abstract.] .	198
NICOL, Prof. James. On the Slate-rocks and Trap-veins of Easdale and Oban	110
ORMEROD, G. Wareing, Esq. Notice of the Occurrence of an Earth- quake along the Northern Edge of the Granite of the Dartmoor District on the 28th of September, 1858	188
— On some Veins of Granite in the Carbonaceous Rocks on the North and East of Dartmoor. [Abstract.]	191
— On the Rock-basins in the Granite of the Dartmoor District, Devonshire. [Abstract.]	16
OWEN, Prof. On a Collection of Australian Fossils in the Museum of the Natural History Society at Worcester; with Descriptions of the Lower Jaw and Teeth of the <i>Nototherium inerme</i> and <i>Noto- therium Mitchellii</i> , Owen; demonstrating the identity of the latter species with the <i>Zygomaturus</i> of Macleay. (With a Plate.)	176
— On some Outline-drawings and Photographs of the Skull of the <i>Zygomaturus trilobus</i> , Macleay (<i>Nototherium</i> , Owen?). (With 2 Plates.)	133, 168
PHILLIPS, Prof. John. On a Fossil Fruit found in the Upper part of the Wealden Deposits in Swanage Bay, Isle of Purbeck	46
PRESTWICH, Joseph, Esq. On the Westward Extension of the Old Raised Beach of Brighton; and on the Extent of the Sea-bed of the same period	86, 215
RAMSAY, Prof. A. C. On some of the Glacial Phenomena of Canada and the North-eastern Provinces of the United States during the Drift-period	84, 200
ROSALES, H., Esq. On the Gold-Fields of Ballaarat and Creswick Creek. (With a Plate.)	49
RUBIDGE, Dr. R. N. On some Points in the Geology of South Africa. [Abstract.]	195
SALTER, J. W., Esq. On some New Species of <i>Eurypterus</i> ; with Notes on the Distribution of the Species. (With a Plate.) . . 140,	229
— On the Fossils of the Lingula-flags or "Zone Primordiale" . .	551
SCROPE, G. Poulett, Esq. On Lamination and Cleavage occasioned by the Mutual Friction of the Particles of Rocks while in Irregular Motion. [Abstract.]	84
— On the Mode of Formation of Volcanic Cones and Craters . .	505
SMYTH, W. W., Esq. On the Iron-ores of Exmoor	105
STOW, G. W., Esq. On some Fossils from South Africa. [Abstract.]	193
TAYLER, Mr. J. W. On the Veins of Tin-ore at Arksut, Greenland.	606
THORNTON, Richard, Esq. On the Coal found by Dr. Livingstone at Tete, on the Zambesi, South Africa. [Abstract.]	56

	Page
VIVIAN, Capt. W. On Arborescent Copper in the Llandudno Mine, near Great Ormshead, North Wales	109
WETHERELL, N. T., Esq. On the Occurrence of <i>Graphularia We-</i> <i>therelli</i> in Nodules from the London Clay and the Crag	30
— On the Structure of some of the Siliceous Nodules of the Chalk. [Abstract.]	193
WOOD, S. V., Esq. On the Extraneous Fossils of the Red Crag	32

Annual Report	i
Anniversary Address	xxv
List of Foreign Members	xvii
List of the Wollaston Medalists	xviii
Donations to the Library, and Bibliography	viii, 141, 239, 462, 557