

**INDEX**  
 TO THE FIRST VOLUME  
 OF THE  
 TRANSACTIONS OF THE GEOLOGICAL SOCIETY.

---

	PAGE
AIKIN, ARTHUR, Esq. Observations on the Wrekin, and on the Great Coal-field of Shropshire	191
<i>Actynolite</i> , Glassy, globular concretions of, in the Amygdaloid of Caer Caradoc	211
<i>Alderley Edge</i> , Account of	40
<i>Alderney, Isle of</i> , Dr. MacCulloch's Account of	3
<i>Alluvial Depositions of Ores</i> , Observations on, by Dr. Berger	161
<i>Aluminous Chalybeate Spring</i> , in the Isle of Wight, Dr. Marcet's Account of	213
————— Index to the Account of	248
<i>Amygdaloid</i> , near Exeter, 101—Variety of, at Caer Caradoc in Shropshire, 210—Calcareo-manganesian, of Upton Pyne in Devonshire, 102—Slaty, between Saltram and Plympton Earle	104
<i>Andalusite</i> , found in the County of Wicklow	275
<i>Argillaceous Breccia</i> , remarkable rocks of, in Jersey	21
<i>Argillaceous Porphyry</i> , Lumps of, stuck in granite	11
<i>Argillaceous Rock</i> on the western side of the Malvern Hills	306
<i>Arseniate of Copper</i> found in Cornwall	26
<i>Arseniate of Iron</i> of Cornwall, Mr. Phillips's Description of	27
<i>Arseniate of Lead</i> found in Cornwall	166
<i>Bardiglione</i> , The Count de Bournon on, 355—Essential specific characters of, 355—Accidental characters of, 358—Table of the varieties of, 359—Observations on the primitive crystal and integrant molecule of, 368—General Observations on, 372—Remarks on the term, 383—Table of the modifications of the primitive crystal of, 386—Table of the modification of the primitive crystal of, according to the determination of the Abbé Haüy	387
<i>Barytes, Sulphate of</i> , in the interior of shells contained in limestone	311
<i>Barytes, Granular Sulphate of</i> , found in the County of Cork	279
<i>Basalt, Columnar</i> , in the Island of Madeira	393
BENNETT, THE HON. HENRY GREY, Sketch of the Geology of Madeira	391

	PAGE
BERGER, J. F. M.D. Observations on the physical Structure of Devonshire and Cornwall	93
————— Sketch of the Geology of some parts of Hampshire and Dorsetshire	249
<i>Beryl</i> , found imbedded in granite, in the County of Wicklow	275
<i>Blue Clay Stratum</i> of the neighbourhood of London, description of, and of the fossil remains it contains	336
<i>Boracic Acid, Native Concrete</i> , Mr. Tennant's Notice respecting	389
BOURNON, THE COUNT DE, Memoir on the Laumonite	77
————— 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 Bardiglione	355
<i>Brine Springs</i> in Cheshire, Mr. Holland's Account of	42
<i>Carbonate of Lime</i> , Veins of, intersecting beds of pumice in the Island of Madeira	396
<i>Calcareous Sandstone</i> in the Isle of Wight	257
<i>Chalk</i> , upper stratum of, or flinty, near London, description of the, and of the fossil remains it contains	345
————— hard, near London, description of, and of the fossil remains it contains	352
<i>Chalk Hills</i> of Hampshire and Dorsetshire, Account of the	249
<i>Channel Islands</i> , Dr. MacCulloch's Account of the	1
<i>Clay and Chalk</i> in the neighbourhood of London, description of the strata interposed between the, and of the fossil remains these strata contain	341
<i>Clay Slate</i> , Transition, of Shropshire	212
<i>Clay Stone</i> of Shropshire	209
<i>Coal-Field</i> of Shropshire, Mr. Aikin's observations on the	191
<i>Coal Formation, the Independent</i> , of Shropshire	194
<i>Coaly Bituminous Matter</i> , found in the cliffs of the south-western coast of the Isle of Wight	254
<i>Cobalt</i> , earthy black ore of, found in the Peninsula of Howth, near Dublin	273
<i>Conglomerate</i> , Quarries of, near Exeter	99
<i>Copper, red Oxyd</i> of, of Cornwall, Mr. Phillips's Description of the	23
<i>Copper Mines</i> in the vicinity of Dublin	270

	PAGE
<i>Cornwall</i> , Dr. Berger's Observations on the physical Structure of, 93—General Observations on the low mountain chain of, 108—General Observations on the mines, of, 156—Table of the heights of different places in	183
<i>Cross Courses</i> in Cornwall, Account of the	165
<i>Dartmoor</i> , Dr. Berger's Account of	117
<i>Devonshire</i> , Dr. Berger's Observations on the physical Structure of, 93—Table of the heights of different places in	183
<i>Diallage</i> , forming, with felspar, a rock near St. Kevern in Cornwall	129
<i>Dorsetshire</i> , Dr. Berger's Sketch of the Geology of some parts of, 249—Table of the heights of some places in	268
<i>Dublin</i> , Dr. Fitton on the Geological Structure of the vicinity of	269
<i>Emery</i> , not found in Guernsey, as it is generally supposed to be	12
<i>Encrinite</i> , a rare variety of	308
<i>Epidote, Compact</i> , found in the Malvern Hills, 290—in Cumberland, 292—in the Western Islands, 292—in Guernsey and Jersey, 293—forming one of the component parts of a rock in the Malvern Hills, 290—in Guernsey	293
<i>Felspar, Compact</i> , Bed of, in Shropshire, 209—in the Malvern Hills	300
<i>Felspar Rocks</i> , in Shropshire	209
<i>Felspar and Diallage</i> , Rock composed of, in Cornwall	129
<i>Ferruginous Sandstone</i> in the Isle of Wight	253
FITTON, WILLIAM, M.D. Notice respecting the Geological Structure of the vicinity of Dublin, with an account of some rare minerals found in Ireland	269
<i>Flint</i> , Characters of the formation of, in chalk or marl	94
<i>Flint Gravel</i> in loose sand or loam, in the neighbourhood of London, and in Hampshire	251
<i>Fossil Remains</i> contained in the strata near London, Mr. Parkinson's Observations on	324
<i>Gneiss</i> , in the Island of Guernsey, 9—in the Malvern Hills	302
<i>Granite</i> , different situations of, in Cornwall, 109, 116, 141, 144, 148, 150, 154—in the Malvern Hills, 285, and particular nature of it, 286—Contact of the, with the incumbent rocks in the vicinity of Dublin	271

	PAGE
<i>Granite Veins</i> , in the Isle of Sercq, 18—in Jersey, 21—in Dartmoor, 119—at St. Michael's Mount in Cornwall, 143—at Mousehole in Cornwall, 144—General Observations on those that traverse the grauwacke formation, 145—traversing granite in the vicinity of Dublin, 271—two of different natures intersecting each other, 271—in the Malvern Hills	289, 299, 302
<i>Granitic Rocks</i> , of Guernsey, 8—of Sercq, 18—of Jersey	20
<i>Granitel</i> , black, in Guernsey	9
<i>Grauwacke</i> , in Sercq, 13—in Jersey	20
<i>Grauwacke Formation</i> , of Devonshire, 101, 105, 118, 121—of Cornwall	109, 113, 116, 122, 127, 131, 144, 151, 156
<i>Great Gossan Lode</i> in Cornwall, Account of	23
<i>Greenstone</i> , in the grauwacke of Cornwall, 115, 122, 128—in Shropshire, 203, 210—in the Malvern Hills	289
<i>Grenatite</i> found in the County of Wicklow	275
<i>Grit</i> , Varieties of, in Alderney	4—5
<i>Guernsey</i> , Dr. MacCulloch's Account of	7
<i>Gypsum</i> , Difference between Bardiglione and Hampshire, Dr. Berger's Sketch of the Geology of some parts of, 249—Elevation of some places in	373 268
<i>Heligoland</i> , Dr. MacCulloch's Notice accompanying a Section of	322
<i>Hematite</i> , Vein of, in the Malvern Hills	301
<i>Highgate Hill</i> , Fossil remains met with in cutting through a mound of the blue clay stratum at	338
HOLLAND, HENRY, Esq. Sketch of the Natural History of the Cheshire Rock-Salt District	38
<i>Hollowspar</i> , found in the County of Wicklow	277
<i>Hornblende Rocks</i> of the Malvern Hills	294, 301
<i>Hornblende and Epidote</i> , Rock of	290
HORNER, LEONARD, Esq. on the Mineralogy of the Malvern Hills	281
<i>Hornstone</i> , the basis of Porphyry in Alderney	7
<i>Jersey</i> , Dr. MacCulloch's Account of	19
<i>Indurated Talc</i> (supposed) in the County of Wicklow	277
<i>Ireland</i> , Dr. Fitton's Account of some rare minerals found in	269
<i>Isle of Wight</i> , Aluminous Chalybeate Spring in the, 213—Elevation of some places in	268

	PAGE
<i>Kaolin</i> , decomposed granite in the state of, in Cornwall, 125—on the origin of and where found	126
<i>Kimeridge Coal</i> , Description of	263
<i>Laumonite</i> , The Count de Bournon on the, 77—Specific characters of, 79—Observations on the crystallization of, 82—General Observations on, 86—Table of the modifications of the primitive crystal of	90
<i>Lava</i> , different varieties of stratified, in the Island of Madeira, 392—Dykes of, intersecting strata of lava, 394—Columnar, 395—containing carbonate of lime	398
<i>Lead Mines</i> in the vicinity of Dublin	270
<i>Limestone</i> Cliffs near Plymouth, description of the, 103—formation of, in Shropshire, 199—varieties of, in the vicinity of Dublin, 272—strata of, on the western side of the Malvern Hills, 306, 309	
<i>Limestone, Transition</i> , on the banks of the Plym	104
<i>Limestone, schistose</i> , near Launceston	122
<i>Limestone, Coarse shelly (calcaire grossier)</i> in Hampshire, Dorsetshire, &c.	258
<i>Limestone, oviform</i> , in Dorsetshire	262
<i>Lipari Islands</i> , Native Concrete Boracic Acid, from the	389
MACCULLOCH, JOHN, M.D. Account of Guernsey, and the other Channel Islands	1
<hr/>	
Notice accompanying a Section of	
<i>Heligoland</i>	322
<i>Madeira</i> , Sketch of the Geology of, by the Hon. H. G. Bennett	391
<i>Malvern Hills</i> , on the Mineralogy of, by Mr. Horner	281
<i>Manganese</i> found in Jersey	22
<i>Manganese, black oxide of</i> , Mine at Upton Pyne	101
<i>Manganese, grey ore of</i> , with brown iron-stone and brown iron-ore, in the peninsula of Howth, near Dublin	273
MARCET, ALEXANDER, M.D. Chemical Account of an Aluminous Chalybeate Spring in the Isle of Wight	213
<i>Marl Beds</i> in the Cheshire plain	40
<i>Marl</i> in Hampshire	255
<i>Meres</i> or deep Pools, characteristic of the old red sandstone formation	193
<i>Mica Slate</i> of Cornwall	129

	PAGE
<i>Mineral Beds</i> , Observations on	157
<i>Mineral Veins</i> , Observations on	158
<i>Mineral Beds and Veins</i> , on the comparative age of	160
<i>Mines of Cornwall</i> , General Observations on the	156
————— Estimate of the number of, of the different kinds of ore they contain, and of their relative ages	167
<i>Mineral Deposits</i> in Cornwall and Devonshire, of the different matrices accompanying the	175
<i>Montserrat</i> , Dr. Nugent's Account of "The Sulphur" or "Souf- frière" in	185
<i>Muttrell Lode</i> in Cornwall, Account of the	25
NUGENT, NICHOLAS, M.D. Account of the Pitch-Lake of the Island of Trinidad	63
————— Account of "The Sulphur" or "Souf- frière" of the Island of Montserrat	185
<i>Old Red Sandstone Formation</i> in Shropshire	191
<i>Organic Remains</i> found in the Strata over Rock Salt in Hungary and Poland	57
PARKINSON JAMES, Esq. Observations on some of the Strata in the neighbourhood of London, and on the fossil remains contained in them	324
PEPYS, W. H. Esq. Notice respecting the Decomposition of Sul- phate of Iron by animal matter	399
<i>Petroleum</i> at Coal-port in Shropshire	195
PHILLIPS, MR. WILLIAM, Description of the red oxyd of Copper, the production of Cornwall, and of the Varieties in the form of its Crystal, with observations on the Lodes which principally pro- duced it, and on the crystallization of the arseniated iron	23
<i>Pitch Lake of Trinidad</i> , Dr. Nugent's Account of	63
<i>Pitchstone</i> , Vein of, in the vicinity of Newry	278
<i>Plaster</i> , Observations on, by the Count de Bournon	376
<i>Porcelain Clay</i> , Vein of, in the Coupée of the Isle of Sercq	15
<i>Porcelain Earth</i> , of Cornwall, 125—in the County of Wicklow,	270
<i>Porcelain Jasper</i> in the Island of Trinidad	63, 65
<i>Porphyry</i> , on the western side of the Isle of Alderney, 4, 6—Vein of black, in the Isle of Sercq	17
<i>Porphyritic Granite</i> , of Dartmoor	118
<i>Porphyritic Rock</i> , in the Island of Montserrat	186

INDEX.

419

	PAGE
<i>Potter's Clay</i> in Hampshire	253
<i>Primitive Rocks of Cornwall</i> ; heights which indicate the line of superposition of the secondary rocks on the	182.
<i>Pumice</i> , beds of in the Island of Madeira	396
—— containing veins of carbonate of lime and zeolite	396
<i>Pyrites</i> produced from the decomposition of sulphate of iron by animal matter	400
<i>Quarries</i> near Exeter, account of the	99
<i>Quartz-Grit</i> of Shropshire	208
<i>Quartz</i> , Granular, of the Malvern Hills	302
<i>Quartz-Rock</i> , Conical Mountains in the vicinity of Dublin, com- posed of	271
<i>Quartzose Loose Sand</i> , Formation of, in the Isle of Wight	252
<i>Resinous Matter</i> found in the blue clay stratum of Highgate Hill	339
<i>Rock Salt District of Cheshire</i> , Mr. Holland's sketch of the, 38— general situation, thickness, &c. of the beds of, 45—account of the strata of the, 49, 62—interior character of the beds of, 52 —considerations on the origin of	57
<i>Saint Michael's Mount</i> in Cornwall, description of	142
<i>Salt, White</i> , Manufacture of in Cheshire	43
<i>Sandstone-hills</i> in Cheshire	39
<i>Schorl Rock</i> of Cornwall	125, 151
<i>Sercq</i> , Island of, Dr. Mac Culloch's description of	13
<i>Serpentine Formation</i> of Cornwall	128
—— general remarks on, by Dr. Berger	131
<i>Shepey</i> , Isle of, account of the Fossil remains found there	337
<i>Shropshire</i> , Great Coal-Field of, Mr. Aikin's observations on	191
<i>Sienite</i> of Guernsey, 11—of Sercq, 16—of Jersey, 21—of the Malvern Hills	294
<i>Slate Clay</i> in Shropshire	207
<i>Soap Rock</i> of Cornwall	130, 136
<i>Steatite</i> , various kinds of, in Sercq	18
<i>Steatitical Vein</i> in Sercq	17
<i>Sulphate of Iron</i> , Mr. Pepys on the decomposition of, by animal matter	399
<i>Sulphur</i> or "Souffrière" of the Island of Montserrat, Dr. Nugent's account of the	185
<i>Talcose Slate</i> , bed of in Cornwall	128

	PAGE
TENNANT, SMITHSON, Esq. Notice respecting native concrete boracic acid	389
<i>Tin</i> , forming one of the integrant parts of Granite	120
<i>Tin</i> , Stream, where met with in Cornwall	162
<i>Tinstone</i> , found in the Gold Mines of Wicklow	270
<i>Tourmaline</i> , new variety of found in Cornwall	116
————— black, in the granite of Cornwall	150, 152
————— radiated and massive with quartz	176
<i>Trap</i> , veins of, traversing Sienite in Guernsey	9
————— traversing Sienite in Sercq	16
<i>Trap Formation</i> in Sercq, 14—in Shropshire	209
<i>Trap Rocks</i> in the vicinity of Dublin	272
<i>Trinidad</i> , Dr. Nugent's account of the Pitch Lake in	63
————— Sketch of the Geology of part of	74
<i>Veins</i> , Course of the, in Cornwall	163
———— Distortion and Irregularity of, in the parish of St. Agnes	164
<i>Vesuvian</i> , found at Kilranelagh, near Dublin	274
<i>Volcanoes</i> , Remains of in the Island of Madeira	392
<i>Wavellite</i> , found in the County of Cork	279
<i>Wrekin</i> , Mr. Aikin's Observations on the	191

END OF THE FIRST VOLUME.

### ERRATA.

Page 17, Line 8, for *pry* read *dry*.  
 ..... 17, ... Bridges ..... Ridges.  
 243, ... 2 ... (§ VIII. 9.) ... (§ VIII. 6.)  
 ..... 4, ... (§ X. 4.) ..... (X. 3.)  
 ..... † ..... †  
 ..... 5 of the note, for 31 read 31, 8.  
 244, ..... 6 of note † after the word residue, add dried at a red heat.  
 ..... 10 of same note, for of barytes, read of sulphat of barytes.  
 289, ..... 12, for black read block.