INDEX.

A.

Aconcagua, notice of the eruption of, Jan. 1839, 611.
Actinoceras, a genus of Orthocerata, described, 705.
— Simmsii, observations respecting a coral attached to the surface of, 710.
Aiken, Arthur, Esq., remarks by, on a piece of bog-wood containing small particles of metallic copper, 214.
Aire, notice of the partially petrified wood and nuts of the valley of the, 210.
Akserai, structure of the country near, 587.
Alajahscheher, observations on the country near, 592.
Allen Bank, remarks on a specimen of calcareous fossil wood from, 208, 209.
Allesley, near Coventry, observations on the beds containing silicified stems of trees, 347.
— remarks on specimens of fossil woods from, 214.
Allihies, notice of the copper mines of, 27.
Alluvial accumulations, notices of, in the St. Lawrence, 90, 96, 100.
— comparison of, with the tertiary accumulations, 96.
— notices of, in Cutch, 304.
— in the Bermudas confined to marshes, 108.
Alum shale, or upper lias, subdivisions of, on the coast of Yorkshire, 215, 225, 237.
— distribution of fossils in, 219, 225, 238.
Alum works, account of near Mhurr, 295.

VOL. V.—SECOND SERIES.

Amies Field, near Broseley, coal-shaft section, 478.
Ammonites, vertical range of, in the upper lias and marlstone of Yorkshire limited, 216.
Annagh mine, near Castlemaine, account of, 64.
Antigua, remarks on a specimen of fossil wood from, 208, 209.
Antrim, on the geological structure of the north-eastern part of, 69.
— physical features and heights of the principal mountains, 69.
— description of the formations:
— mica-slate, hornblende-slate, granite, &c., 70.
— old red sandstone, 71.
— porphyry, 73.
— carboniferous series, 74.
— new red sandstone, 75.
— lias, 77.
— green sand or mulatto, 78.
— chalk, 79.
— trap, 81.
— syenite veins which traverse mica-slate and chalk to the south of Fair Head, 179.
Ardleigh, section of London clay near, 369.
Argillaceous limestone and schist, description of, in the eastern portion of the basaltic district of India, 539, 553, 555, 557.
— remarks on the relative age of, 568.
Armoy, notices of formations near, 70, 71, 78, 80.
Ashburton limestone, account of, 630, 652 note.
Ashow, section of Warwick sandstone, south-east of, 344.
INDEX.

Asia Minor, description of, between Kodj-hissar and Caesarea of Cappadocia, 583, 590.
Askeaton, notice of a metalliferous bed north of, 65.
Aspal, section of well at, 377.
Asterias, notice of portions of, found in a well at Hampstead, 132.
always ancylosed, 187.
Audley mines, description of, 26.
Austen, R. A. C. Esq., band of culm-measures between the Ashburton limestone and granite, discovered by, 652 note, 689.
Avon Mouth, notice of a false stripe in the slate rocks near, 655, 658.

the strata near, 658.
Axes of the ridges composing the Cordillera of the Andes, constituted of rocks which are to be met with only in the valleys, 627.
Axis of mountain chains, observations respecting, 619.

B.

Babbacombe Bay, arenaceous beds of, resemble old red sandstone, 651.
Babbacombe limestone, identified with that of Newton Bushel and Torbay, 652.
Bacalao Head, outburst of a submarine volcano off, Feb. 1835, 602.
Back, Capt. R.N., notice of Orthocerata obtained by, 704.
Baculite, observations on its having probably been an internal shell, 709.
Baggy Point, description of the raised beach near, 279.
notices of the older strata near, 642, 643, 648.
Bahamae, notice of, 121.
Balingdon, section at, 375.
Ballybuinian, notices respecting the geology of, 40, 46.
Ballycastle, notices of the formations near, 71, 74, 79.
Ballydehob mine, notice of, 26.
Ballyhicky, notice of lead mine of, 66 note.
Baltic Boulder Formation, description of, 244.
—— inferences deduced from a section of, on the right bank of the Elbe, 245.
Bangnapilly, remarks on the diamond mines, and vicinity of, 541.
Barnstaple Bay, description of a raised beach in, by Professor Sedgwick and Mr. Murchison, 279.
—— observations on the beach by the Rev. D. Williams, 287.
Barnstaple slates or fifth group of North Devon, range of described, 643.
—— placed on a parallel with the Petherwin group, 694.
—— remarks on the fossils of, 694.
Barrow, depth of diluvial clay at, 376.
Barton, notice of corals found in the limestone of, 697.
Basalt, alternations of, in Cutch, with sedimentary formations, 312.
calcareous grit, 313.
—— travertin, 314.
—— of the Coalbrook-dale-field, described, 449.
—— notice of, in the Brown Clee Hill, 126.
Basaltic district of India, on the fossils of the eastern portion of, 537.
—— rocks of western and central India, description of, 537 et seq.
observation on the age of, 565.
—— more recent than the stratified rocks of the country, 565.
Bath oolite, beds containing fossil plants stated to form upper part of, on the Yorkshire coast, 234.
—— characters of, on the coast of Yorkshire, 231.
distribution of fossils in, 232, 238.
—— sections of at Cloughton Wyke, White Nab and Cayton Bay, 237.
INDEX.

Batrachian animals, notice of the tracks of, 339.
Bay of Chaleur, structure of part of the coast, 102.
Bayfield, Capt. R.N., notes on the geology of the north coast of the St. Lawrence, 89.
—— notice of an Ormoceras found by, 706.
Beauport near Quebec, notice of beds containing recent marine shells at, 96.
—— water of the St. Lawrence perfectly fresh thirty miles below Beauport, 96 note.
Beck, Dr., observations of, respecting the Faxoe fossils, 250 and note.
Beech, account of a piece of, partly petrified by carbonate of lime, 207, 209.
—— further notice of, 213.
—— observations on, by Mr. R. Brown, 213.
Bell, Dr. Charles, geological notes by, on part of Mazunderan, 577.
Belstead, section of well at, 380.
Bentley Hall, section of well at, 381.
Berkswell, description of a variety of red sandstone at, 348.
Bermuda, or Main Island, description of, 107.
Bermudas, on the geology of the, 103.
—— form of the group and number of islets, 103.
—— highest point above the level of the sea, 104.
—— composed of calcareous rocks, 104.
—— strata generally saddle-shaped, 104.
—— bottom of the basin consists of calcareous sand and chalky ground, 104.
—— soundings outside the reef not so rapid as in the Pacific coral reefs, 105.
—— geological details of the principal islands, 106 et seq.
—— account of caverns, 108, 112, 118.
—— alluvial deposits, confined to marshes, 108.
—— encroachments of land on sea, 109.
—— sand, 109.
—— chalk, or chalky ground of, derived from decayed Zoophytes, 114.
—— reefs, sketches of, 116.
—— diluvial agency, external evidences of, 117.
—— internal evidences of, 118.
—— description of the pinnacles in the, 120.
—— water, depth of wells, 120.
—— building materials, 121.
—— concluding remarks, 121.
Berry Head, description of a section from, to Start Point, 659.
—— limestone, belongs to the highest strata of the older formations on the southeast of Dartmoor, 650.
—— notices of, 652.
Bideford, account of the culm bands near, 680.
—— of the plants associated with, 681.
Bideford Bay, description of a raised beach in, 279, 287.
Bircham Hill, old red forced up through the limestone at, 197.
Birds, on fossil bones of, discovered in the strata of Tilgate Forest, 175.
Bischoff, Professor, remarks on his theory of volcanos, 608 note, 609 note.
Bishop's Hill, section at, 382.
Blakenham magna, section of well at, 379.
—— parva, section of well at, 379.
Blackpots, notice of superficial deposits containing fossils from the lias, and recent shells found at, 146.
Black-rock, Cork, list of fossils found in the, 21.
Blankenese Point, notice of the cliffs from, to Schulau, 244.
Blue Wick, section of the lower carboniferous series at, 237.
—— inferior oolite, 287.
Boase, Dr., reference to his observations on joints in the granite of Cornwall, 685.
Bognor Recks, list of fossils found in, 262.
INDEX.

Bolt Head, description of a section from the Plymouth limestone to, 656.
Bonmahon river, notice of mineral veins near the, 24.
Boscastle, description of the culm measures near, 671 and note.
Bostock, Dr., notice of the analysis of a mineral water from the Island of St. Paul, 261.
Boulder formation of Møen, described, 252.
Boussingault, M., remarks on his observations respecting earthquakes, 607 note, 623, 626 note.
Bovisand Bay, description of the strata near, 657.
Brachyurus rugosus (Schlotheim) not uncommon in the Faxoe limestone, 251.
Bradfield, section of well at, 375.
Bramford, sections at, 380.
Branchiae, account of, belonging to a fossil macrourous decapod, 173.
Breakback Hill, section of the new red system of, 341.
Bridport, description of fossil Ophiurae found near, 173.
Broad-ledge, Lyme Regis, notice of fossils found on, 173.
Broderip, W. J. Esq., description of some fossil Crustacea and Radiata by, 171.
Bromsgrove, descriptions of the strata near, 341, 342.
Brown, R. Esq., observations of, on partially petrified wood from a Roman aqueduct, 213.
——— remark of, respecting the medullary rays remaining unchanged, while the surrounding longitudinal fibres are petrified, 214.
Brown Clee Hill, notice respecting, 125.
Bryce, James, Jun. Esq., on the geological structure of the north-eastern part of the county of Antrim, 69.
Buckland, Rev. W. DD., notice of his description of the Tintagel slate, 668.
Building materials, notice of, in the Bermudas, 121.
Bunter sandstein, description of, in Gloucestershire, Worcestershire and Warwickshire, 339.
Bury, sections of wells near, 376.
Caesarea of Cappadocia, description of the country between, and Kodj-hissar, 590.
——— description of the country near, 595.
Cahir-conrée mountains, notices of, 8, 36.
Calcareous concretions, notice of, in the sand of the Bermudas, 110.
Calcareous grit, description of some remarkable dikes of, at Ethie, 599.
Calcareous shale and grit, description of, in Sligo, 156.
——— section of, at Ross, 156.
——— at Moyne, 157.
Calcareous slates of Cornwall, notices of, 664.
——— North Devon, range of, 641.
——— Padstow, remarks on peculiarities in the structure of, 655.
Caldcleugh, Mr., notices of his accounts of earthquakes in South America, 602, 605, 611 note.
Canon Leigh, account of a limestone quarry at, 675.
Cape Gaspé, structure of the country near, 102.
Cape Whittle, Gulf of St. Lawrence, structure of the coast near, 99.
Caple St. Mary, section of well at, 381.
Cappagh mines, account of, 26.
Carbonate of soda, remarks on the formation of, 563.
Carboniferous limestone, description of, in Clare, 55.
——— in Coalbrook Dale, 424.
——— in the counties of Cork, Limerick and Kerry, 38 et seq.
——— in the Forest of Dean, 199.
——— divided into two portions by a bed of iron ore, 199.
——— in Mayo and Sligo, 154.
INDEX.

Carboniferous limestone, description of in North Munster, 55.
--- notice of, in the northeast of Antrim, 74.
--- respecting, in the United States, 58 note.
--- oolitic variety, account of, between Moyne and Rathrea, 155.
--- organic remains of, in counties Cork, Limerick and Kerry, 42.
--- outlier of, at Penallt Common, noticed, 200.
--- account of mines in, county of Clare, 64, 65 note.
--- of trap dyke in, (wood-cut) 167.
Carboniferous series, account of in North Munster, 55.
--- metalliferous relations of, in Clare and extending into Galway, 60.
--- United States, geographical distribution of Trilobites in the, 61 note.
Carburetted hydrogen gas, notice of, in Coalbrook Dale, 439.
Carrick-na-Shouock, notice of the pass of, in the Ox Mountains, 150.
Carrig O'Gunnel, account of the trap of the hills of, 41.
Carrow-na-Skea, notice of the pass of, in the Ox Mountains, 150.
Caryophyllia Faxoensis, figure of, 249.
Castle Espie, County of Down, description of an Orthoceras from, 704.
Castle hill, Gamrie, notice of beds containing fossils from the lias at, 144, 146.
--- recent shells in the, 146.
Castle Island, Bermudas, notice of, 107.
Castle rock, notice of the coast section near, 645.
Caverns, description of, in the Bermudas, 108, 118.
Cautley, Capt. Proby, on the structure of the Sevålïk hills, and the organic remains found in them, 267.
Cautley, Capt. and Falconer, H., M.D., on the remains of a fossil monkey from the tertiary strata of the Sevålïk hills, 499.
Cayton Bay, section of Great Oolite in, 233, 237.
--- remarks on the upper beds, 234.
Cervical vertebrae, comparison of, in the Plesiosaurus macrocephalus and P. Hawkinsii, 523.
Chalk, blocks or tumblers of, numerous in the valley of the Carey, 80.
--- changes produced in, by the syenite veins of Torr Eskert, 182 note, 183.
--- reniform masses of syenite included in the, at Torr Eskert, 184.
--- description of, in Antrim, 79.
--- in Møen, 252.
--- notice of, near Felpham, 262.
--- in Suffolk, 360.
--- surface of, under the plastic clay in Katesgrove pits, penetrated by small tubular cavities, 127.
--- upper part of, at Diss, contains no flints, 137, 188.
--- total thickness of, in a well sunk at Diss, 137.
--- a white deposit in the Bermudas, compared to, 114.
--- derived from decayed zoophytes, 114.
Change of level, account of, in the St. Lawrence, 93.
--- not to be explained by depressions of the waters of the gulf and river, 97.
Chedburgh, section of well at, 375.
Chert, description of the, containing fresh-water fossil shells in the Sichel hills, 550.
--- near Chicknee, 558.
Chevington, section of well at, 375.
Chili, account of phenomena which accompanied the earthquake in, Feb. 1835, 601.
--- notice of the earthquake in, Nov. 1822, 263.
Chloë, description of the effects of the earthquake in, during 1835, 602.
--- 1837, 604.
Chudleigh, remarks on the confused junctions near, 670, note.
Cidaris Bechei, description of, 174.
Clare, account of mines in the county of, 60.
INDEX.

Clare, account of mines in old red sandstone, 60.

— carboniferous limestone 64, 65 note.

— height of hills in the county of, 6.

— notice of the diluvial clay at, 375.

Clarke, Rev. W. B. on the geological structure and phenomena of Suffolk and its physical relations with Norfolk and Essex, 359.

Claydon, depth of chalk pit at, 380.

Clay-slate, south of Ireland, notices of, 7, 12.

Cliffs, destruction of, on the coast of Suffolk, 366.

Cloughton Wyke and White Nab, section of great oolite at, 231, 237.

— of the lower coal series at, 237.

Coal, account of, in the Brown Clee Hill, 125.

— Cutch, 293.

— remarks on the question whether its vegetable remains grew where found, or have been drifted, 463.

— said to be found at Percé, 102.

Coal-shafts, sections of, in the Coalbrook-dalefield, 475 et seq.

Coalbrook Dale, Mr. Prestwich on the geology of, 413.

— extent and physical features of the district, 415.

— description of the silurian rocks of, 418.

— old red sandstone of, 424.

— carboniferous limestone of, 424.

— coal measures of, 428. See also coal measures.

— their probable geological position, 471.

— origin of debris composing the, 469.

— probable extension of, beneath the new red sandstone, 472.

— origin of the ironstone contained in the, 470.

— list of minerals found in, 487.

Coalbrook Dale, description of new red sandstone of, 447.

— rocks of igneous origin, 449.

— diluvium or drift of, 460.

— remarks on the nature and effects of the disturbances of, 452, 472.

— on the alternations of marine, fluviatile and fresh-water remains in the coal measures of, 464.

— conclusions deduced from, 468.

— on the changes in the lithological characters and organic remains in the horizontal range of the coal measures, 468.

— nature of the agents which have modified the surface of the coal-field, 473.

— conclusions drawn from the phenomena presented by the coal-field of, 463.

— systematic list of fossils from, 488.

Coal-field, notes to accompany a Geological Map of the Forest of Dean, 195.

Coal measures, account of, in the north-east of Antrim, 74.

— in Clare, 56.

— in Coalbrook Dale, 428.

— number of strata and depth in different parts of the field, 429.

— list of coal seams and their aggregate thickness, 435.

— thickness of strata between penneystone and clod coal, 431.

— thickness of the penneystone measure, 431.

— great variations in thickness, and composition of the strata, 481.

— notice of the bed of fresh-water limestone, 434.

— coal seams, characters of, 435.

— proximate analysis of, 436 note.
Coal measures, ironstone measures, account of, 436.
- number of beds and thickness, 437.
- relative produce of each bed, 437.
- specific gravity of each bed, 438.
- organic remains of, in Coalbrook Dale, 440.
- list of minerals in the, of Coalbrook Dale, 487.
- description of, in the Forest of Dean, 200.
- previous accounts of, 195, 202.
- divisible into two series, 200.
- contortions in, 201.
- description of, in county Kerry, 45.
- contains few beds of coal, 45.
- consists chiefly of sandstone and shale, 49.
- of Munster poor in iron ore, 66.
- notices respecting, in the United States, 59 et seq. note.
Coal, notices of thin laminae of, in South Devon, 651 note.
- in Cornwall, 667.
Coast, description of the north, of Mayo and Sligo, 151.
Cockfield, section of well at, 375.
Cole, Viscount, description of his specimen of Plesiosaurus macrocephalus, 515.
Colèia, a new genus of crustaceans described, 172.
Collooney, description of the pass of, in the Ox mountains, 150.
Combe Martin, observations on the coast sections near, 642, 645, 646.
- of the valley of, 646.
Compass, effects of the earthquake of Feb. 1835 at Chiloe, on the, 602.
Concepcion, earthquake of, on the 20th of Feb.
1835 probably marked one step in the elevation of a mountain chain, 628.
Concepcion, effects of earthquakes on the buildings of, with respect to the direction of the streets, 603, 617.
Conybeare, Rev. J. J., notice of his subdivisions of the Cornish and Devon slates, 634 note.
- of his description of the Tintagel slate, 668.
Conglomerates, transition, notices of, in the south of Ireland, 7, 13, 14.
Continents, on the identity of the force which elevates, with that which causes volcanic outbursts, 606.
- remarks on the elevation of, 601 et seq.
Cooper's Island, Bermudas, notice of, 107.
Copdock, sections at, 380.
Copiapo, notice of the earthquake at, Nov. 1822, 612.
Copper, remarks on metallic particles of, in bog wood, 214.
Coralline limestone, account of, at Stevensklint, 246.
- Faxoe, 248.
Corals, list of, in the Devonshire limestone, 697.
Corcovado, phenomena accompanying the outbursts of, in 1835, 604.
Cordillera of the Andes, remarks on the structure of, with reference to earthquakes, 623.
- phenomena exhibited by the volcanos of the, during and after the earthquake, Feb. 1825, 603.
- volcanos of, may be grouped into systems, 614.
- remarks on the gradual elevation of the, 626.
- theoretical arguments respecting the formation of the, 626.
- composed of a succession of highly-tilted anticlinal ridges, 627.
- rocks forming the axes of the ridges, visible only in the valleys, 627.
- probable cause of the phenomena, 627.
- the axes of plutonic rock
less exposed, with some exceptions, in the principal, than the subordinate lines, 628 note.
Cordillera of the Andes, the compact unstratified rock composing the central ridges, conceived to have been formed by innumerable small operations, 629.
— of central Chili, composed of parallel ridges formed successively, 623.
Cork county, description of the metalliferous relations in, 25.
— transition series in, 6.
— carboniferous series in, 34.
— notice of rolled debris in, 67.
— harbour, description of the limestone of, 19.
— list of its fossils, 21.
— limestone, list of fossils found in, 21.
— other localities in which the species occur, 21, 22 note.
Cornwall, slate rocks of, described, 664.
— equivalent of the slate rocks of South Devon, 668, 689.
— comparison of slates of the north and south coasts, 668.
— fossiliferous slates of, assigned to the old red system, 691.
Coseguina, notice of the eruption of, Jan. 1835, 611.
Coton end, section at, 344.
Coventry, notices respecting the red sandstone near, 347.
Courrejolles, opinion of, with respect to earthquakes, quoted, 613 note, 616 note.
Court McMartin, a hill near Cushendall, notice of its structure, 73.
Crag, account of, in Suffolk, 362.
Creetings, section of well at, 378.
— All Saints, section at, 378.
— St. Mary, section at, 378.
Crioceratites, remarks on, 409.
Cross-slieve mountain, notices of the structure of, 71, 75, 75.
Crovie, notice of the beds containing ichthyolites at, 141.
Crow Island, notice of a mine in, 54.
Crownall Bay, description of the strata near, 657 and note.
Croyde Bay, notice of the slate rocks on the north side of, 648.
Croydon Hill, on the structure of, 639, 640.
— formations composing, same as those of North hill, 642.
— coarse red graywacke of, the equivalent of the red beds on the coast between Combe Martin and the Valley of the rocks, 641.
Crustacea, description of some fossil, found at Lyme Regis, 171.
Crystalline slates south of Hope cove, described, 658.
Culmiferous series of Devonshire described, 669.
— on the physical structure of the district occupied by, 636.
— relations of, to the other formations, 669.
— lower culm-measures described, 670.
— upper culm-measures described, 677.
— plants of, remarks respecting by Prof. Lindley, 681.
— observations on the fossils found in, 693.
— geological position of the lower division not perfectly defined, 684, 694.
— notice of copper and lead veins in, 670 note.
Cuming, H. Esq., on the earthquake in Chili, Nov. 1822, 263.
Cupriferous peat bog, description of, east of Glendore harbour, 27.
Curahene glen, description of, 87.
Cushendall, account of formations near, 72, 73, 75.
— caves, building stones procured from new red at, 75.
Cushendun, description of the formations near, 71, 72.
Cutch, memoir to illustrate a geological map of, 289.
— geographical position and physical aspect, 289.
— formations, 290.
Cutch, the Grand Runn described, 318.
— organic remains, systematic lists from, 327, 718.
— notice of fossils collected by Capt. Smee and Col. Pottinger, in, 715.

D.

Dartmoor granite, description of its structure, &c., 685.
— effects of, on the formations in contact with it, 649, 650, 672, 687.
— a protruded rock of posterior date to the lower culm measures, 673.
— description of a section from the east side of, to Torbay, 650.
— to the Plymouth limestone, 653.

Darwin, C., Esq., on the boring of limestone by Annelides, 249 note.
— observations on the Faxoe coral limestone, 249 note.
— on the white calcareous excrement of Spari, &c., 252 note.
— on the formation of mould, 505.
— on the connexion of certain volcanic phenomena in South America, and on the formation of mountain chains and volcanos, as the effect of the power which elevates continents, 601.
— table by, of volcanic phenomena in South America, 610.

Daubeny, Dr., analysis of a saline spring near Oxford, 263.

Dawley Pit, section of, 482.

Dedham, sections of wells at, 372.

Deemdoortee, notice of the iron ore of, 546.
— account of the mode of manufacturing steel from, 547.

De la Beche, H. T., Esq., remark on his first plan of colouring of the ordnance sheets of Devon and Cornwall, 634 note.
— note on his placing the red sandstone of the Foreland under the Linton system, 642 note, 644 note.
— his arrangement of formations below the culm measures stated to agree with those of Prof. Sedgwick and Mr. Murchison, 688, and note.

De la Beche, H. T., Esq., notice of fossils found by, at New Quay, 667.
— culm plants sent to the Geological Society by, 680.
— map accompanying the memoir on Devonshire by Prof. Sedgwick and Mr. Murchison, taken chiefly from the Index Map by, 692.

Deer, notice of remains of, found in gravel near Cropthorne, 261.

Denbigh Lodge, description of a fault between Lydney Park and, 204.

Denmark, observations on Dr. Forchhammer's account of the cretaceous and tertiary strata of, 243.

Denodur Hill, in Cutch, description of, 315.

Devonshire, Prof. Sedgwick and Mr. Murchison on the physical structure, &c. of, 633, 688.
— description of the five geographical regions of, 634; first region, 635, second, 635, third, 635, fourth, 637, fifth, 637.
— range and extent of the successive deposits between the north coast of, and the culmiferous series, 638; lowest deposit, 641, second in ascending order, 641, third, 641, fourth, 642, fifth, 643.
— of mineral structure, &c. of the five groups; first, 644, second, 645, third, 646, fourth, 647, fifth, 647.
— of the succession of deposits between Dartmoor and the south coast of, 649.
— Dartmoor to Berry Head, 650.
— to the Plymouth limestone, 653.
— from the Plymouth limestone to Bolt Head, 656.
— from Berry Head to Start Point, 659.
— subdivision of the strata composing the south of, 661; first, slate rocks bordering on Dartmoor, 661; second, calcareous slates
INDEX.

enclosing in the lower part the Ashburton bands, in the upper the Plymouth and Torbay limestones, 662; third, an arenaceous group, 662; fourth, glossy slates, 662; fifth, crystalline slates, 662.

Devonshire, conclusions drawn from the details respecting the formations in the north and south of, 662.

comparison of the formations of North and South Devon, 663, 689.

description of the culmiferous series of, 669.

description of the lower measures, 670.

description of the upper measures, 677.

description of the granite of Dartmoor, 685.

two distinct regions of elevation in, 687.

rocks of, belong to three periods of formation, 687.

not to be considered older than the Silurian system, 689.

objections to assigning the lower groups of, to the old red system, answered, 699.

note respecting the omission in the printed memoir of their first classification of the older rocks of, 634 note.

Devonian System, reasons for altering the term, old red system, to the, 701.

Diamond breccia of Bangnapilly, description of the, 542.

Diamond mines, remarks on the, of Bangnapilly, 541.

Diluvial action, notices of, in the south of Ireland, 67.

Diluvium, notice of, in Suffolk, 365.

of Coalbrook Dale, remarks on, 460.

separable into two divisions, 460.

notice of marine shells discovered in, 462.

Dingle Bay, list of heights to the north and south of, 4.

Diss, observations on the strata penetrated in sinking a well at, 137.

section of the strata, 198.

Disturbance, account of lines of, in the Coalbrook Dale coal-field, 452.

Dockar, Mr. of Findon, section of the ichthyolite beds near the farm of, 142.

Dodman Point to the St. Austell granite, section from, 666.

Dolgellau, remarks on fragments of wood from a bog near, containing particles of metallic copper, 214.

Doneen, notices of the metalliferous deposits of, 25.

Donnington Wood, diagram of faults near, 456.

Dorsal vertebrae, comparison of, in the Plesiosaurus macrocephalus and P. Hawkinsii, 525.

Douglas, Mr., description by, of the effects of the earthquake in Chiloe, Feb. 1825, 602.

Dromagh, notices of the coal measures of, 51 et seq.

Dronningestolen, description of the cliff called, in the island of Moen, 255.

woodcut of the cliff, 256.

Drummond Island, Lake Huron, remarks on Orthocerata from, 706, 708, 709.

Dunstan Point to Withy Hedge, notice of the section from, 657.

Dykes, description of parallel trap, in Mayo and Sligo, 162 et seq.

E.

Earthquake, notices of, in Chile, Nov. 1822, 263.

respecting, in Cutch, 319.

on the north coast of the St. Lawrence, 97, 98 note.

in South America, details respecting phenomena attending the, 601.

notices of distant districts contemporaneously affected by, 602, 606 and note.

Juan Fernandez, Concepcion, and Chili in 1835, 602, 618.

Talcahuano, Chiloe and Lemus, 1837, 604.

Copiapo and Coquimbo in 1822, 612.

unequal action of, at different points contemporaneously affected, 602, 606 and note.
Earthquakes in South America, unequal action of, at points contemporaneously affected, Juan Fernandez and main coast, 1835, 602, 618.

Chiloe, Calbuco, and Mellipulli, 605, 616, 618.

Lima, Callao, and Guancavelica, 606 note.

Remarks of the natives and Humboldt respecting the unequal action of, 606.

Cause of, advanced by Mr. Darwin, 615.

Nature of, 615.

Generally affect elongated areas, 617, 621.

Sometimes accompanied by elevations of land, 618.

Conclusions drawn from, 619.

Direction of the shocks at Concepcion 1751 and 1835, 602, 620.

In Chiloe in 1835, 602.

At the Caraccas, 617.

Instances of periodical returns of, 612.

Remarks on a supposed determined relation of, with respect to time, 612.

Though apparently sudden are often parts of a prolonged action, 613 and note.

Difference between, and those of Calabria and Italy, 622.

Probable cause of the difference, 622.

Operation of, compared to the yielding of ice beneath a moving weight, 607, 620.

Probable difference between those due to cavities, or to the ejection of igneous matter, 622.

And volcanos, apparent connexion of in South America, 602. See volcanos and earthquakes.

Easington Heights, description of the upper lias and marlstone of, 215.

Section of the strata at, 221.

List of fossils from, 219.

East Bergholt, sections of wells at, 371.

Echinostachys oblongus, notice of the occurrence of, at Hadley, 340.

Edwards Piece, Hadley, coal-pit section at, 480.

Egerton, Sir P. Grey, Bart., on certain peculiarities in the cervical vertebrae of the Ichthyosaurus, hitherto unnoticed, 187.

Elbe, description of the Baltic boulder formation on the right bank of, below Hamburgh, 244.

Inferences deduced from, 245.

Elbow Bay, Bermudas, notice of concretions in the sand of, 110.

Elevation of continents, effects of the same force which causes volcanic outbursts, 606.

Elevation of land, South America, 1751, 602.

1835, 607.

Does not always accompany earthquakes, 618.

Island of Lemus, Nov. 1837, 605.

Elevation of mountain-chains, effected slowly, 625.

Proofs deduced from the structure of the Cordillera, 625.

Elevations, indications of increased intensity of action, in proceeding from Cornwall northwards, 285.

Elmsett, section at, 380.

Elmswell, sections of wells at, 376.


Land on sea, 109.

Sand, 109.

Enys, Mr., notice of his observations on joints in the granite of Cornwall, 685.

Erme Mouth, notice of beds near, 658.

Erratic blocks, notice of, in Suffolk, 366.

Erris, county of Mayo, notices respecting the structure of, 151, 158, 160.

Of parallel trap dykes in, 163 et seq.
Erris mountains, notices of the structure of, 161.
Ethie, description of some remarkable dikes of calcareous grit, at, 599.

F.

Fair-Head, notices respecting the structure of, 71, 74, 75, 79, 81.
— description of the Syenite veins which traverse mica slate and chalk to the south of, 179.
— section from, to Cushleake mountain, 179.
Falconer, H., M.D. and Cautley, Capt., on the remains of a fossil monkey from the tertiary strata of the Sevalik hills, 499.
False stripe, notice of, in slate rocks near Avon Mouth, and on the north coast of Cornwall, 655.
Faraday, Prof., remarks on his experiment on perfectly dry limestone, 560.
Farous-glen, structure of, described, 79.
Faults, description of, in the Brown Clee Hill, 126.
— in the Coalbrook Dale field, 452.
— between Lydney Park and Denbigh Lodge, 204.
— near Gamrie, 145.
— near Kenilworth, 343 note.
Faxoe, account of the coral limestone of, 248.
— most abundant fossils described, 248 and note.
— distinguishing characters of, 249.
— age of, relatively to the white chalk with flints, 251.
Faxoe to Stevensklinl, section (woodcut) of the strata from, 251.
Felpham, notice of the occurrence of chalk near, 262.
Findon, section of the beds containing ichthyolites near, 142.
Fishery, notice of cleavage near, 658.
Flints, notice of shattered, in Möen, 257.
Floods, notices of the effects of, in Cutch, 306.
Flowton, depth of diluvial clay at, 380.

Forchhammer, Dr., remarks on his account of the cretaceous and tertiary strata of Denmark, 243.
— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — on his account of the shattered flints of Möen, 257.
Forest of Dean coal-field, notes to accompany a geological map of the, 195.
— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — description of the old red sandstone of, 196.
— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — carboniferous limestone of, 199.
— — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — fault between Lydney Park and Denbigh Lodge, 204.
Foreland, red sandstone of, not inferior to the Linton system, 642, 644 note.
Fossils, distribution of, on the Yorkshire coast, from the lower lias to the Bath oolite, 223.
— systematic list of, 238.
— account of, in Coalbrook Dale, 440.
— notice of, in the Baltic boulder formation at Schulau, 244.
— in the carboniferous limestone of Coalbrook Dale, 427.
— in North Devon, 645 et seq. 695.
— the Linton slates, 645; the red arenaceous greywacke, 646; the Ilfracombe slates, 647, 696; the Barnstaple slates, 648, 648, 694; at Sloy, 688; Marwood, 648, 695.
— in South Devon, 696 et seq.
— the Plymouth slates and limestones, 656; in Crownall Bay, 657 note; in the Tintagel slate, 668; in the Petherwin group, 694.
— the characteristic of the Faxoe limestone, 248.
— in the limestones of the Mingin islands, 93.
— in the limestone in the south coast of the St. Lawrence, 102.
INDEX.

Fossils, notice of, in the Sevālik hills, 267, 272, 274.
— in the Wenlock limestone of Coalbrook Dale, 419.
— in the Warwick sandstone, 343.
— from Bognor, in the possession of the Geological Society, 262.
— found in the Cork limestone, 21.
— in the carboniferous limestone of South Munster, 42.
— contained in the transition series of the south of Ireland, 10, 15.
— recent species in the raised beach in Bideford Bay, 280.
— systematic list of, from Coalbrook Dale, 488.
— in Devonshire, 702.
— found in a well at Hampstead, 134.
— the oolites of the Yorkshire coast, 238.

Fossil birds’ bones, on the discovery of, in the strata of Tilgate Forest, 175.
— assigned by Baron Cuvier to a species of Wader or Ardea, 176.
— opinion confirmed by Mr. Owen, 176.
— reason why they are of rare occurrence, 175.

Fossil fresh-water shells, description of, found in the Sichel hills, 548, 550.
— near Chicknee, 557.
— inferences respecting, 569, 574.
— notices of, in other parts of India, 570.

Fossil monkey, notice of the remains of a, from the Sevālik hills, 499.
— comparison of its Astragalus with that of the Semnopithecus Entellus, 501.

Fossil plants, list of, found in the lower oolite carboniferous series on the Yorkshire coast, 230.
— in the strata of Gristhorpe Bay, 235.
— from the upper culm measures of Devonshire, 681; from the South Munster coal field, 54.
— account of, from Sloly, 683.
— notice of, near Kodj-hissar, 589.

Fossil saurians, description of three, from the magnesian conglomerate, near Bristol, 349.

Fossil woods, some remarks on, by Mr. Stokes, 207.
— remarks on partially petrified, 207.
— from a Roman aqueduct, 207.
— observations on, by Mr. R. Brown, 213.
— Allen Bank, 208, 209.
— Allesley, 214.
— Bonn, 211.
— Linnel Braes, 209.
— Lough Neagh, 211.
— observations on different conditions of, in different specimens, 211.

Fossiliferous slates of South Devon, lower division of, passes into Cornwall, 664.

Four Stonehams, section of wells at, 377.

Fowey, notice of fossils obtained near, 664, 697.
— the strata near, 665.

Fox, W. R., Esq., on mineral veins, 497.
— notice of observations by, on joints in Cornish granite, 685.

Framlingham, sections of wells near, 377.

Franklin, Major, remarks on the age assigned by, to the argillaceous limestone, and diamond sandstone of India, 568.

Fresh-water fossil shells, description of, found in the Sichel hills, 548, 550.
— near Chicknee, 574.
— inferences respecting, 569, 574.
INDEX.

Fresh-water fossil shells, notices of, in other parts of India, 570.

Gallic acid, notice on the power of, to reduce metallic oxides, 214.

Galmpton Creek, notices of the strata near, 659.

Gamrie, on the structure of the neighbourhood of, 139.

— schistose rocks of, 140.

— old red sandstone of, 141.

— trap rocks of, 144.

— remarks respecting the age of the Ichthyolite beds, 145.

account of the faults near, 145.

Ganges, structure of the hills between the Jumna and the, 269.

— account of a deposit of shingle and sandstone found in the, 269.

— of lignite, 270.

— of marl with organic remains, 271.

— list of the organic remains, 272.

Gaultees range, highest point of, 6.

Geoffroy St. Hilaire, remarks on his analysis of a vertebra, 517.

Geological Society, list of fossils from Bognor, in possession of the, 262.

Gerrans Bay, notices of the strata near, 664.

Gislingham, section of well at, 377.

Glandore Harbour, description of the cupriferous peat bog, east of, 27.

Glenariff river, structure of formations near mouth of, 75, 79.

— glen, structure of formations in, 76, 78.

Gloucestershire, description of the upper formations of the new red sandstone system in, 331.

Gneiss, description of, in Mayo and Sligo, 151, 159.

Goat Island, Bermudas, notice of, 107.

Godavery, remarks on the valley of the, 539.

Gold washings, notice of, in the Sevalik hills west of the Jumna, 277.

Goniatiites, a species of, found in the coal shale of Ardnagragh, 54.

— notices of, in Devonshire, 673, 693.

Goodland cliff, account of the syenite veins which traverse mica slate and chalk at, 179.

— sections (woodcuts) of the cliff, 180.

Grabbist Hill, on the structure of, 639.

Grand Runn, description of, 318.

— account of the natural walls on the, 321.

Granite of Dartmoor, description of its structure, &c. 685.

— not penetrated by the beds and masses of trap associated with the stratified rocks, 686.

— the surrounding strata not all mantle-shaped, 686.

— veins from, penetrate altered beds near Oakhampton, 686.

— superimposed rocks all around Dartmoor, 686.

— junction of, with limestone, east of Pillage Bay, 99.

— notice of in Mayo and Sligo, 161.

— near Kodj-hissar, 589, 590, 591.

— in the north-east of Antrim, 71.

— on the north coast of St. Lawrence, 89 et seq., 98.

— platform between the Kistnah and Godavery, described, 544.

Grant, Capt., memoir by, to illustrate a geological map of Cutch, 239.

Great east fault, Coalbrook Dale, description of, 457.

Green sand, description of, in Antrim, 78.

Greenstone, description of, in the south of Ireland, 13.

Grès bigarré, description of, in Gloucestershire, Worcestershire and Warwickshire, 339.

Greywacké, description of, in the south of Ireland, 7, 8, 12.

— list of fossils found in, 10.

— notices of, in Kerry, 7.

— metalliferous relations of, in south of Ireland, 24.

Griffith, Richard, Esq., on the syenite veins which
INDEX.

traverse mica slate and chalk, south of Fair Head, in the county of Antrim, 179.

Griffith, Richard, Esq., remarks by, on supposed beds of greenstone and granite, 185.

notice of his survey of the bogs of Connaught, 149, 156.

notice of his map of Ireland, and a memoir on part of the south of that kingdom, 700 note.

Grinshill, notice of the sandstone of, 346 note.

Gristhorpe Bay, account of fossil plants found in the strata of, 235.

depression in the middle of, 234.

Guy’s Cliff, section in the grounds at, 344.

H.

Hadji Bektash, notice respecting the salt mines of, 591.

Hadleigh, sections near, 374.

Halstead, section of a well at, 369.

Hamburgh, description of the Baltic boulder formation below the city of, 244.

inferences deduced from, 245.

Hamilton, C. W., Esq., notice of his paper on part of the south of Ireland, 700 note.

Hamilton, W. J., Esq., on part of Asia Minor, between the salt lake of Kadj-hissar and Cassarea of Cappadocia, 583, 590.

Hampstead Heath, observations on a well dug on the south side of, 131.

Harding, Major, five calcareous courses traced by, in the headland separating Combe Martin from Ilfracombe, 646.

notice of his discovery of vegetable remains in Sloyy quarry, 648, 682.

Posidonia found by, in the Holcombe Rogus limestone, 675 note.

Hartest, section of well at, 375.

Harwich, observations on the cliffs in the neighbourhood of, 259.

sections of wells at, 369.

Hassan Dagh Mountain, description of, and the country between it and Kadj-hissar, 584.

conclusions respecting the phenomena presented by, and neighbouring district, 586.

Havergate Island, well-section in, 383.

Hazel nuts, remarks on the petrified, of Belfast Lough, 210.

of the vale of Aire, 210.

Heights, list of, above the level of the sea in the south of Ireland, 4.

Helix, shells of a species not known living, found in great quantities in caverns, in the Bermudas, 112, 113.

Helmingham Hall, section of a well at, 377.

Heman’s-pit field, near Broxley, section of, 481.

Hemley, section of well at, 383.

Hennah, Rev. R., notices of fossils found by, 657, 692.

Higham, section of wells at, 373.

High shingle beaches, account of raised, in Cornwall, 284.

Hills, terminations of chains of, often exhibit the greatest possible confusion, 641.

Hill’s Lane-pits, Madeley, diagrams of faults in, 453, 454.

sections of, 485.

Hingan-ghat, notice of fossil plants found at, 558.

bone, 558, note.

Hintelsham, section at, 380.

Hippopotamus, notice of remains of, found in gravel near Cropthorne, 261.

Hoffmann, Herr, observations on his grouping of the carboniferous series, 34 note.

Hoierup, woodcut of the cliff near the church of, 247.

between, and the Light House, 248.

Holcombe Rogus, account of the limestone of, 674.

Holstein, notice of the Boulder formation in the interior of, 245.

Holywell Pits, Malinslee, section of, 482.

diagrams of faults in, 453.

Hope Cove, description of the cliffs from Mewstone to, 657.

strata near, 658.

Hopkins, W., Esq., remarks on his researches in Physical Geology, 621, 623, 625, 628 note, 629.
INDEX.

Hopkins, W., Esq., quotation from, on the effects which would be produced, if the elevatory force had the character of an impulsive action, 628 note.

Hornblende slate, account of, in Mayo and Sligo, 161.

Hornstone, notices of, in south of Ireland, 7, 13.

Hose Hill, near Reading, notice of beds sunk through at, 129 and note.

Hot springs, description of, near Urjunah and Kair, 556.

— notice of, in the Pindee Hills, 555.

Humboldt, A. de, observation by, respecting the unequal action of earthquakes, 606.

— tables by, of volcanic phænomena, 610.

— observation of, on the grouping of volcanic phænomena in Quito, 614.

— observations on his views respecting parallelism of, in double chains of mountains, 627 note.

Hunton, Louis, Esq., remarks on a section of the upper lias and marlstone of Yorkshire, showing the limited vertical range of the Ammonites, &c. 215.

Hutnoor, description of the country near, 552.

Hybodus keuperinus, notices respecting, 338.

Huronia, observations on the structure of, 708, 711.

Ichthyolites, observations on the position of, at Gamrie, 139.

— notices of in the Coalbrook Dale field, 442.

Ichthyosauri, on the dislocation of the tail at a certain point, observable in the skeleton of many, 511.

— on certain peculiarities in the cervical vertebrae of, 187.

— description of the atlas and axis, 187.

— description of the subvertebral wedge bones of, 188.

— of the cervical vertebrae, 190.

Ichthyosauri, observations on the adaptation of the structure of the neck to the habits of, 191.

— modifications in the cervical region occur in animals of different species and age, 193.

Igloolik, notice of Orthocerata from, 706.

Igneous agents, evidences of the disturbing power of, in Cutch, 307.

— rocks, remarks on, in the Coalbrook Dale coal-field, 451.

— minerals found in, 452.

— (see trap).

Ilfracombe calcareous slates, range of the, described, 642.

— continuation probably of the calcareous bands on the north-east flanks of the Quantocks, 642.

— resemble some of the upper calcareous slates of Plymouth and Torbay, 663.

— remarks on the fossils obtained from, 696.

— harbour, description of the cliffs of, 646.

India, on the fossils of the eastern portion of the great basaltic district of, 537.

Inet, near Broseley, coal-shaft section, 478.

Inferior oolite, composition of, on the coast of Yorkshire, 227.

— distribution of fossils in, 228.

Injesu, remarks on the country near, 594.

Inkberrow, section of keuper marls and sandstones near, 333.

Inveragh mountains, list of the highest points, 4.

Ipswich, sections of wells near, and at, 380, 382.

Ireland, notices on the geology of the north coast of Mayo and Sligo, 149.

— description of the line of coast, 151.

— notice of Mr. Griffith's geological map of, 700 note.

— of a skeleton map of, by Mr. Weaver, 3 note.

Ireland, Bermudas, account of the island of, 108.

Iron, manufacture of, in Cutch, 293.

— notice of a vein of, at Sharkham Point, 660.
INDEX.

Iron ore, account of, in Cutch, 298.
—— description of the, of Deemdoortee, 546.
—— its manufacture into steel, 547.
—— in the coal measures of the Forest of Dean, 203.
—— small quantity of, in the Munster coal fields, 66.
Ironstone, on the probable origin of the, in the coal measures, 470.
—— measures, account of, in Coalbrook Dale, 436.
—— works, notice respecting, in Coalbrook Dale, 439.
Isis, figure of a fossil coral allied to, from Faxoe, 249.

J.

Jarrer, dislocation in the strata near, 309.
Jaumtra, remarks on a basalt dyke cutting the strata near, 307.
Jelly, Rev. H., fossil freshwater shells discovered by, on Shotover Hill, 261.
Jet rock, Yorkshire, description of, 216.
—— rich in fossils, 217, 221.
—— peculiar suite of Ammonites, 217, 221.
—— Teleosaurus confined to, 217.
Joints, account of, in the granite of Dartmoor, 685.
—— remarks on, in the cliffs near Ilfracombe, 646.
—— in the limestones of South Devon, 655.
Juan Fernandez, notice of the effects of the earthquake, Feb. 1825, on the island of, 602, 607.
—— in 1761, 602.
Jumna, description of the hills west of the, 273.
—— organic remains found in them, 274.
—— structure of the hills between the, and the Ganges, 269.
Ivy Bridge, notice of the structure of the country near, 653.

K.

Kair, account of the hot springs near, 556.
Kanturk, account of the coal-field of, 49, 51.
Kanturk, notice of plants found in, 54.
Katesgrove, account of the plastic clay at, 127.
—— description of the shelly bed near the surface, 128, 129.
—— list of the shells, 130.
—— comparison of the fossils in the shelly bed with those found at Bognor, 130.
Kenilworth Castle, section of a quarry northwest of, 345.
Kenmare Bay, description of the lead mines of, 28.
—— heights in the neighbourhood of, 4.
Kerry county, account of the transition series in, 6.
—— carboniferous series in, 34.
—— notice of rolled debris in, 67.
Keuper, account of equivalent beds in Gloucestershire, Worcestershire, and Warwickshire, 332.
—— organic remains of, in Gloucestershire, Worcestershire, and Warwickshire, 338.
Kilbricken, notice of the mine of, 66 note.
Killala Bay, notices of trap dykes in, 164 et seq.
—— woodcut of one, 167.
—— account of a trachytic rock on the shores of, 168.
Killarney limestone, description of, 17.
Kistnah, description of the granite platform between the, and the Godavery, 544.
—— observations on the valley of the, 539.
Knockfeernagh, structure of the hill of, described, 36.
Knocknea, notice of the trap conglomerate of, 41.
Kodj-hissar, description of the salt lake of, 588.
—— country between, and Caesarea, 590.
Kotzebue, observations on his account of the Pacific coral reefs, 104 note.
Kunkur, remarks on the formation of, 554, 556.

L.

Lacustrine deposits, notice of, in Suffolk, 366.
Lake Winnipeg, notice of Orthocerata from, 704.
Laminated or upper secondary formation, account of, in Cutch, 296.
INDEX.

Laminated or upper secondary formation, apparent geological position of, with respect to the English series, 297.

— general shape of the hills belonging to the formation, 298.

— probable manner in which the hills have been formed, 299.

Land gaining on the sea, notices of, in Cutch, 305.

Langley, coal section at, 478.

— field pits, section of, 481.

La Petite Rivière, account of change of level near, 97.

Laterite, remarks on the relative age of the, and trap of India, 573.

Lavenham, section of well at, 375.

Leamington, section near, 343.

Lecka Hill, in Cutch, notice of, 316.

Lemus, elevation of the island of, by an earthquake, Nov. 1837, 605.

Lias, account of, in the north-east of Antrim, 77.

— in Worcestershire, 260.

— the Squaloria found in, 83.

— subdivisions of, on the Yorkshire coast, 237.

— distribution of fossils in, 215, 223.

Lidbrook Valley, Forest of Dean, contortions in the coal measures of, 201.

Lighthouse, woodcut of the cliff between Hoierup and the, 248.

Lightmoor wimsey pit, section of, 475.

Lignite, notice of, between the Jumna and the Ganges, 270.

Lilleshall fault, description of, 457.

— section of the carboniferous series at, 427.

Limerick, height of the limestone plain of, 6.

— notice of rolled debris in, 67.

Limestone, description of, forming the Mingin islands, 92.

— on the south coast of the St. Lawrence, 102.

— of the Bermudas, contains recent shells, preserving their colour, knee buckles, &c. 113.

— oolitic bed of, in the millstone grit of the Forest of Dean, 203.

Limestone of South Devon, characters of, 654.

— upper beds generally occur in great unconnected masses, 651.

— separated by organic remains from the mountain limestone, 652.

— interpolated between two great groups of slate rock, 652.

— transition, description of, in the south of Ireland, 7, 9, 16.

— list of fossils in, 21.

— remarks on the effects of heat on perfectly dry, 560.

— fault, Coalbrook Dale, description of, 459.

— pit, Lincoln Hill, section of, 480.

Lindley, Prof., observations by, on the fossil plants of the new red sandstone at Hadley, 340.

— remarks by, respecting the culm-plants of Devonshire, 681.

— the fossil plants from Sloly, 683.

Linnel Braes, notice of fossil wood from, 209.

Linton, remarks on the neighbourhood of, 640, 644.

Lippe Buckeberg, description of a piece of wood partially petrified from a Roman aqueduct, in the principality of, 207.

— further notice of, 213.

Little Wenlock, section of coal pit, 477.

Lizard, notice of the rocks near the, 667.

Lodge pit, Madeley, sections of coal shafts, 477.

Lodgewood, north of Donnington, coal-pit section, 479.

Lunar lake, account of the, 562.

— analysis of the waters, 563.

— description of the sesquicarbonate of soda obtained from, 563.

London clay, observations on a well dug in, on the south side of Hampstead Heath, 131.

— list of fossils found in the well, 134.

— description of the new species, 136.

— vegetable remains found in, similar to those at Sheppey and Highgate, 131.

— notice of, near Harwich, 259.

— in Suffolk, 361.
INDEX.

Longbird Island, Bermudas, notice of, 107.
Lonsdale, Mr., on the supposed scarcity of the upper valves of Crania, 251 note.
—— notices of his placing the Devonshire limestones between the carboniferous and Silurian systems, 690, 696.
—— list of Devonshire corals by, 697.
Looe, description of strata near, 665.
Lower culm measures of Devonshire, described, 670.
— contain the wavellite, 671.
— greatly altered near granite, 672.
— description of the lower division, 670.
— yields bad roofing-slates, 672 note.
— — deposited anterior to the protrusion of the granite of Dartmoor, 672.
— — description of the upper division, 673.
— — composed of black shale and beds of black limestone, 673.
— — contains Goniatites, 673.
— — no fossils resembling those of groups inferior to the culm series, 673.
— — the southern calcareous bands thicker than the northern, 674.
— — section of, north of Tavistock, 676 note.
Lower oolitic carboniferous series, characters of, on the coast of Yorkshire, 229.
— fossils of, 230.
Lower Silurian rocks, notice of, in Coalbrook Dale, 418.
Low-water beaches, description of raised, 284.
Luckput, description of the nummulitic limestone on which the town of, stands, 300.
Ludlow rocks, account of, in Coalbrook Dale, 422.
Lurgieden Mountain, structure of, 76, 78, 79, 80.
Lyden stone, south of Ireland, notice of, 7.
Lydney Park, description of a fault between, and Denbigh Lodge, 204.
Lyell, Charles, Esq., on the cretaceous and tertiary strata in Seeland and Møen, 243.
—— phenomena of earthquakes and volcanic eruptions at all epochs, account of, by quoted, 624 and note.
—— remark of, explanatory of the rare occurrence of fossil birds' bones, 175.
Lynnemouth, on the geological structure of the vicinity of, 639.
—— description of the formations in the neighbourhood of, 644 and note.
Lyne, gorge of, a valley of elevation, 640.
—— valley of, exhibits the lowest strata of the country, 641, 644 and note.
—— structure of, 644.

M.

Maclauchlan, H., Esq., notes to accompany a geological map of the Forest of Dean coal-field, 195.
Mac-Gillicuddy's Reeks, list of the highest points, 4.
Macrourous Decapods, notice of some remains of, 173.
—— account of fossil Branchiae of, 173.
Madeley, diagrams of faults in the parish of, 453.
Maestracht, notice respecting the resemblance of the beds of, with those at Stevensklien, 252.
Magnesian conglomerate, description of three fossil Saurians from, 349.
Magnetic iron ore, abounds on the north shore of the St. Lawrence, 91.
—— affected the compasses used in surveying, 92.
—— does not affect the needles of vessels sailing up the St. Lawrence, 92.
—— affected the needle of the Gullnare, when one and a half mile off Port Neuf, 92.
—— variation, notice of, at the entrance of Kenmare River, in 1756, 4 note.
—— at Ross Island, lower Lake of Killarney, 1829, 4 note.
Magpie River to Mingan Islands, account of the coast from the, 91.
Malcolmson, J. G. Esq., on the fossils of the eastern portion of the Great Basaltic District of India, 537.
Manicouagan shoals, St. Lawrence, notice of, 90.
Manitoulin islands, limestone of, very bituminous, 93 note.
Man Sands, notice of the rocks near, 660.
Mantell, Dr., on the bones of birds discovered in the strata of Tilgate Forest, 175.
Maracaybo, notice of the natron of a lake near, 563 note.
Marcet, Dr., remarks on his analysis of the waters of the Lake Ourmia, 564.
Marine forests, description of, in Cutch, 305.
Marine and freshwater strata, account of alternations of, in Coalbrook Dale coal measures, 463.
Marlstone, account of, in Easington Heights, 217.
—— characteristic fossils, 218.
—— list of fossils found in, 219.
—— section of the beds, 221.
—— distribution of fossils in, on the Yorkshire coast, 215, 224.
—— section of, between Staithes and Saltburn, 237.
Marwood quarries, list of fossils found in, 648, 695.
Mastodon Elephantoides and M. latidens, supposed to be one species, 276.
—— observations on the supposition by the referee, 276 note.
Marine shells, notice of existing species in the drift of Coalbrook Dale, 462 and note.
Mayo, notices on the geology of the north coast, 149.
Mazunderan, geological notes on part of, 577.
Meadow Pits, Madeley, sections of, 484.
—— diagram of faults in, 454.
Mellipulli, earthquake of Feb. 1835, scarcely felt at, 605.
Menaccanite, notice of its occurrence in the Bermudas, 105.
—— on the shores of Virginia, 121.
Metallic deposits, general observation on segregated, in south of Ireland, 66.
Mew Stone to Hope Cove, description of the cliffs from, 657.
Mhurr, account of the alum works near, 295.
—— the quartz rock near, 291.
—— Hills, notice of the country near the, 303.
Mica slate, description of, near Gamrie, 141.
—— in the north-east of Antrim, 70.
—— south of Fair Head, 180.
Mid-water beaches, description of raised, 284.
Millstone grit of the Forest of Dean, oolitic bed of limestone in the, 293.
Milltown, notice of mine at, 66 note.
Minerals, list of, in the coal-measures of Coalbrook Dale, 487.
—— notice of, in the igneous rocks of Coalbrook Dale, 452.
—— remarks on the origin of, in Trap, 559.
Mineral water, analysis of a, from the Island of St. Paul, 261.
—— analysis of, near Oxford, 263.
Mines, description of the Annagh, near Castlemaine, 64.
—— notice of, near Tralee, 65.
—— north of Rathkeale, 65.
—— Askeaton, 65.
—— at Ringabella, 25.
—— Doneen, 25.
—— Audley, 26.
—— Cappagh, 26.
—— Ballydebob, 26.
—— of Allihies, 27.
—— Kenmare, 28.
—— Muckruss, 29.
—— Ross Island, 30.
—— Crow Island, 34.
Mingan Islands, description of, 92.
—— formed of limestone containing Orthocerata and other fossils, 93.
INDEX.

Mingan Islands, account of the limestone columns, 93.
—— a succession of beaches, 93.
—— inferences respecting, 93.
—— effects of drift, on the columns, 95.
—— to Cape Whittle, account of the coast from the, 99.
Michell, Rev. John, extracts from his memoir on volcanos, 606 note, 613 note, 615 note, 620.
Mitchell, Dr., observations on the cliffs in the neighbourhood of Harwich, 259.
Moën, on the cretaceous and tertiary strata in the island of, 243.
—— description of the chalk and boulder formation of, 252.
—— cliffs on the coast of, 253.
—— explanation of masses of clay and sand in the chalk of, 256.
Monkey, fossil, on the remains of a, from the tertiary strata of the Seválık Hills, 499.
Moore, Dr., notice of fossils found by, 657 note.
Morris, Mr. John, notices of fossil plants described by, 327, 488 note, also description of the plates.
Morte Bay, notices of the formation composing the cliffs of, 647.
Morte slates, or fourth group of North Devon, range of, described, 642.
—— separable into two divisions, 642.
—— lower, abound in chloritic schist, 642, 647.
—— upper, abound in arenaceous beds, 642, 647.
Mould, on the formation of, 505.
Mount Argeús, structure of, and surrounding district, described, 594.
—— Batten, notice of the strata composing, 657.
—— Leinster, height of, 6.
Mountain chains, observations on the formation of, as effects of the same power by which continents are elevated, 601.
Mountain chains, observations respecting the axes of, 619.
—— theoretical considerations on the slow elevation of, 625.
—— the earthquake of Concepcion, 20th Feb., probably marked one step in the elevation of a mountain chain, 628.
Mountains, heights of the principal, in the south-east of Antrim, 69.
Moy river, notice of its course, 151.
Moyne, account of an oolitic variety of carboniferous limestone between Rathrea and, 155.
—— section of the calcareous shale and grit near, 157.
Muckruss, account of the copper mine of, 29.
Mudstone Sands, description of the strata in the cliff of, 652, 659, 660 note.
Mulatto, account of, in Antrim, 78.
Mullach-fin-ooar, notices of the hill of, 76, 80, 81.
Munster coal-fields, poor in iron ore, 66.
Murchison, R. I., Esq., notice of marine shells discovered by, in the drift of Salop, &c., 462 note.
—— reference to his account of dikes of quartz rock and calcareous grit in Scotland, 600 note.
—— and Sedgwick, Rev. Prof., description of a raised beach in Barnstable or Bideford Bay, 279.
—— and Sedgwick, Rev. Prof., on the physical structure of Devonshire, &c., 633, 688.
—— and Strickland, H. E. Esq., on the upper formations of the new-redsandstone system, in Gloucestershire, Worcestershire, and Warwickshire, 331.
Muriate of soda, notice of an efflorescence of, on the first ridge of hills stretching down from Mount Argeús, 595.
Murlogh Bay, notices of formations in, 71, 74, 76, 77, 79, 80.
Muschelkalk, probable representative of, in Shropshire, 346.
INDEX.

N.

Nagpoor, description of the vicinity of, 558, 561.

Nagpoor, description of the country between the Sichel Hills and, 553.

Natron, remarks on the formation of, 563.

Natural walls, account of, on the Grand Runn, 321.

Needham and Needham Market, sections of wells at and near, 379.

New Quay, notice of fossils found near, 667, 697.

Newton Bushel, notice of an outlying basin of culm measures south of, 670 note.

— limestone, identified with that of Babacombe and Torbay, 652.

Nelson, Lieut., on the Geology of the Bermudas, 103.

— remarks on his account of the formation of white calcareous mud from Zoophytes, 252.

Nembscheher, structure of the vicinity of, 592.

Nerbudda, remarks on the valley of the, 538.

Newent coal-field, description of, 203.

New Hadley, diagram of faults in the parish of, 455.

— section of coal-pit at, 481.

New red sandstone, description of, in the north-east of Antrim, 75.

— notice of, in the neighbourhood of Coalbrook Dale, 447.

— plants found in, at Hadley, 340.

— system, description of the upper formations of the, in Gloucestershire, Worcestershire and Warwickshire, 331, 339.

— foreign equivalents of, 331.

New-works, New Lawley, coal-pit section, 477.

New York, notice of the carboniferous limestone and old red sandstone, in the State of, 59 note.

Nicholson, Mr., syenite veins in mica-slate and chalk at Goodland Cliff and Torr Eskert, first noticed by, 179 note.

Nitre, soil near Cæsarea charged with, 595.

Nonsuch, Castle, and Goat Islands, Bermudas, notice of, 107.

North Munster, account of the carboniferous series in, 55.

— coal-field, description of, 56.

North and South Devon, comparison between the structure of, 662.

— no rocks contained in, of equal age with the rocks of Snowdonia, or green slates of Cumberland, 662.

— formations of, belong to one system, 689.

— classification of the formations to be made out only by Zoological evidence, 689.

— remarks on the first classification of, 689.

— are not to be placed below the Silurian system, 689.

— assigned to the age of the old red system, 691.

North Devon section, remarks on the fossils obtained from the inferior groups of, 696.

North Hill, on the structure of, 639, 640, 645.

Norton Hall, section at, 376.

Nucula ovum, characteristic of the beds of shale used in the manufacture of alum, 216 and note.

Nummulitic limestone and marl, description of, in Cutch, 300.

O.

Oakhampton, granite veins penetrate altered beds to the south-west of, 673.

Ogwell limestone, notice of corals found in, 697.

Old Park pits, section of, 483.

Old red sandstone, description of, in the Brown Clee Hill, 125.

— in Clare, 55.

— in Coalbrook Dale, 424.

— in counties Cork, Limerick, and Kerry, 34.

— in the Forest of Dean, 196.
Old red sandstone in the Forest of Dean, divisible into three portions, 196.
— cornstone bed, 196.
— middle or conglomerate bed, 196.
— resemblance of, to the millstone grit, 197.
— upper bed, 197.
— outliers of, 197.
— dislocations in, 198.
— description of near Gamrie, 141.
— in the northeast of Antrim, 71.
— notices respecting, in the United States, 59 note.
— remarks on its connexion with the carboniferous formations, 34 note.
— account of lead vein in, on the north face of Shallee Mountain, 60.
— and conglomerate, description of, in the north-west portions of Mayo and Sligo, 157.
Old red system, the fossiliferous slates of Cornwall and the formations below the culm-measures of Devonshire, assigned to the, 691.
Old water-pit in the Rough Park, section of, 480.
Old work at Dawley, section of, 480.
Ombersley, account of the new red sandstone near, 340.
Ooglit, notice of Orthocerata found at, 706.
Oolite of the carboniferous limestone, description of, between Moyne and Rathrea, 155.
Ophiura Egertoni, description of, 174.
Ore Point, description of the strata composing, 665.
Organics, account of, in the Bermudas, 111.
Organic Remains. See Fossils.
Ormoceras, a genus of Orthocerata, described, 709.
Orthocerata, on some species of, 705.
— remarks respecting the probability of certain of them having been internal shells, 711.
— observations on a peculiarity in the septa of the chambers, 712.
— the state of preservation of, 713.
— the forms of the animals inhabiting, and the duties performed by them, 713.
Osorno, outburst of, during the earthquake, of Feb. 1825, and in Nov. and Dec. 1835, 604. Jan. 1835, 611, 612.
Oversley Lower Lodge, section of keuper marls and sandstone at, 335.
Ourmia, account of the lake of, 564.
— analysis of the water, 564.
Outard Bay, account of sediment suspended in the upper stratum of water of, 90.
Owen, R., Esq., observations respecting the fossil birds' bones found in the Tilgate strata, 176.
— on the supposed identity of Mastodon Elephantoides and M. latidens, 276 note.
— on the dislocation of the tail at a certain point observable in the skeleton of many Ichthyosauri, 511.
— description of a specimen of the Plesiosaurus macrocephalus, in the collection of Viscount Cole, 515.
— on a bone of a Mammifer found at Hinganghât, 558 note.
Ox Mountains, account of, 149 et seq.
— description of the passes through, 150.
— carboniferous limestone of, 154.
— calcareous and argillaceous shell and grit of, 156.
— old red sandstone and conglomerate, 157.
— quartz rock, 158.
— gneiss, 159.
Ox Mountains, account of the mica slate of, 161.
Oxford, analysis of a saline spring near, 263.

P.

Padstow, remarks on peculiarities of structure in the calcareous slates west of, 655, 665 note.
—— notice of fossils found near, 667, 697.
Parish, Sir Woodbine, notice of fossils found in the Bognor rocks, 262.
Pennar, observations on the valley of the, 540.
Pentacrinites, notice of fragments of, found in a well at Hampstead, 132.
Pentland, J. Esq., reference to his observations on Indian tertiary deposits, 277.
Peperite, description of, near Caesarea, 595.
Permizen Bay, notice of calcareous slates in, 667.
Petherwin group, notices of fossils found in, 693, 694, 697.
—— agree generally with those of Barnstaple, Marwood, &c., 694.
—— placed on a parallel with the Barnstaple beds, 694.
Petrification, first ocular demonstration of progressive steps in, 214.
Petroleum springs, notice of, in Coalbrook Dale, 438.
Phillips, Prof., remarks on his opinion that rocks are imperfectly elastic in the mass, 620.
—— observations by, on the Devonshire fossils, 692, 693.
—— list by, of coal plants found near Kanturk, 54.
Pindee Hills, description of, 555.
Pinnacles, account of, in the Bermudas, 120.
Plastic clay, notice of, in a well sunk at Hampstead, 131, 133.
—— the fossils found in the bed of hard stone between the London clay and the, 133.
—— near Reading, 127.
—— in Suffolk, 361.
Plesiosaurus, exposition of the general characters of the vertebral column of, 521.
—— macrocephalus, description of, 515.
Plesiosaurus macrocephalus, comparison of, with the P. Hawkinsii, 523.
—— cervical vertebrae, 523.
—— dorsal vertebrae, 525.
—— sacral vertebrae, 526.
—— the tail, 527.
—— pectoral extremity, 529.
—— pelvic extremity, 530.
—— the head, 531.
Plymouth limestone, considered to be the equivalent of that of Berry Head, 650.
—— description of, 653.
—— not traceable west of White-sand Bay, 653, 664.
—— description of a section from Dartmoor to the, 653.
—— from the, to Bolt Head, 656.
—— corals found in, 697.
Point of Garron, notices of the neighbourhood of, 77, 79, 80.
Pointe de Monts to the Seven Islands, account of the coast from, 90.
Polparrow, description of the strata near, 665.
Poolacloger, contorted strata north of, 165.
Popple bank, North Devonshire, observations on, 282, 285.
Porlock, remarks on the neighbourhood of, 639, 645.
Pottinger, Col., notice of fossils collected in Cutch by, 717.
Porphyry, in the north-east of Antrim, described, 73.
—— dislocating effects of and changes produced by, 73.
—— newer than the old red sandstone, more ancient than the new red, 73.
—— a bed of clay porphyry, probably included in old red sandstone, at Fair Head, 74.
Porphyry, notice of, at the falls of the Manitou river, 91.

--- not previously observed in Lower Canada, 91.

--- notices respecting in South Munster, 40 et seq.

Port Vinegar, account of new red, near, 75.

Prawle Point, remarks on the crystalline schists near, 659.

Prestwich, Joseph, Esq., on the structure of the neighbourhood of Gamrie, 139.

--- on the geology of Coalbrook Dale, 413.

Priorslee, diagram of fault at, 454.

Pumiceous rocks, notices of, in part of Asia Minor, 585, 591, 592, 593.

--- section of, near Akserai, 585.

Punundrow, description of the effects of igneous action on rocks, near, 309.

Q.

Quantock Hills, notices of the geological structure of the, 638, 645.

Quarry Island, limestone perforated by Lithodomi above the ordinary reach of the tide, 94 note.

--- inferences respecting, 94 note.

Quartz resinite, notice of, to the eastward of Urgub, 594.

--- rock, notices of, in Cutch, 291.

--- in the north-west portions of Mayo and Sligo, 158.

--- dislocations in, 158.

--- south of Ireland, 7, 12.

R.

Radiata, description of some fossil, found at Lyme Regis, 171, 173.

Raised beach, description of, in Barnstaple Bay, 279, 287.

--- collateral evidence in support of the belief that the beach has been raised, 281, 282, 287.

Raised beach, account of, at La Petite Rivière, 97.

Raised beaches, description of, in Seven Islands Bay, 90.

--- the Mingin Islands, 93.

--- observations on, along the coasts of Devonshire and Cornwall, 283.

--- divided into high shingle beaches, mid-water beaches, low-water beaches, 284.

Rathkeale, notice of metalliferous deposits north of, 65.

Ravines, account of, in the Island of Moën, 255 et seq.

Reading, on the geological structure of the neighbourhood of, 127.

--- observations on the rise and fall of water in the wells in, 129.

Recent shells, account of, found in superficial beds in the Castle Hill, Gamrie, 147.

Red arenaceous beds between Mount Batten and the cliffs opposite the Meystone, stated to resemble the arenaceous rocks east of Combe Martin, 657.

--- greywacke of North Devon, described, 639 et seq.

--- mineral composition of, 645.

Red Bay, account of new red sandstone in, 77.

Redlop Cove, notice of the strata near, 661.

Red marl, notice of, in Worcestershire, 260.

--- sandstone, account of, in Cutch, 296.

Reefs, account of, in the Bermudas, 105, 116.

Renville peninsula, notice of rolled debris on the, 68.

Richardson, Dr., notices of Orthocerata collected by, 704 et seq.

Ridgeway, description of trap and slate near, 653.

Riley, H., M.D., on the Squaloraia, 83.

--- and Stutchbury, Mr. S., on three distinct fossil saurians from the Magnesian conglomerate near Bristol, 349.

Ringabella lead mine, notice of, 25.
INDEX.

Rocks of igneous origin, account of, in the Coalbrook Dale district, 449.
Rock salt, notice of, on the borders of Pontus and Galatia, 589.
Rofe, J. Esq., on the geological structure of the neighbourhood of Reading, 127.
Roman aqueduct, description of a piece of wood partially petrified from a, 207 et seq.
—— further notice of, 213.
Ross, near Killala, section of the calcareous shale and grit at, 156.
—— Island mine, description of, 30.
Roha-ke-Koss, account of disturbed beds near, 309.
Rowington, section of keuper sandstone at, 336.
Rough Park, engine pit, section at, 480.
Rushmere, sections at and near, 382.

Sacral vertebrae, comparison of, in the Plesiosaurus macrocephalus and P. Hawkinsii, 526.
Saguenay river to Pointe de Monts, account of the coast from the, 89.
Saliferous marls and sandstone, description of, in Gloucestershire, Worcestershire and Warwickshire, 332.
Saline spring, notice of, at Admaston, 449 note.
—— analysis of, near Oxford, 263.
Saltburn, section of marlstone between Staithes and, 237.
Salt mines of Hadji Bektash, notice of the, 591.
Sand drifts of Elbow Bay in the Bermudas contain concretions and layers of stone, 110.
Sand encroachments, account of, in the Bermudas, 109.
—— stopped by trees, 109.
—— advanced about 200 yards between 1807 and 1833, 110.
Sand-hills, near Alvechurch, section of, 342 note.
Sandstone, notice of recent, forming near the river St. John, 91.
—— description of the, in which the diamond breccia of India occurs, 542, 557.
—— remarks on its relative age, 568.
Sandstone formation of part of Asia Minor, description of, 584, 587, et seq.
—— and clay, with beds of coal, description of, in Cutch, 292.
Santon Down, notices of the slates and flagstones near, 643, 648.
Saurians, description of three, from the magnesian conglomerate, near Bristol, 349.
Scabbacombe Sands, description of the strata near, 660.
Scaphites gigas, remarks on, 411.
Schistose rocks, description of, near Gamrie, 140.
Scrope, G. Poulett, Esq., opinion of, respecting the trachyte of Mayo, 108.
Sea beaches, account of ancient, in the Seven Islands, 90.
Secular shrinking of the earth's crust, objection to its being supposed a primary motive power in all subterraneous disturbances, 631.
Sedgwick, Prof., and Murchison, R. I., Esq. description of a raised beach in Barnstaple or Bideford Bay, on the north-west coast of Devonshire, 279.
—— on the physical structure of Devonshire, &c., 633, 688.
Seeland, on the cretaceous and tertiary strata in, 243.
Seetabuldee Hill, structure of, 558.
Sesquicarbonate of soda, observations on the, of the Lonar lake, 563.
Serpuline reefs, distinctions between, and coral reefs, 105, 117.
Sevalik Hills, on the structure of the, and their organic remains, 267.
—— notices respecting their physical outline, 267.
—— some of the organic remains found in, identical with fossils obtained near Prome, 277.
—— fossils of, present a mixture of extinct and existing forms, 503.
INDEX.

Seven Islands, account of alluvial accumulations on the, 90.
- ancient beaches of, described, 90.
- to the Moisic, account of the coast from the, 91.
Shalee Mountain, account of lead vein in the, 61.
- description of old red sandstone of, 63.
Sharkham Point, notice of the cliffs of, 660.
- vein of iron ore at, 660.
Shelley Church, section of a chalk-pit near, 373.
Shingle, beds of, above high-water mark, contain recent shells near Gamrie, 148.
Shotover Hill, notice of fossil freshwater shells in, 261.
Shrewley Common, notice of keuper sandstone at, 336.
- notice of impressions in the keuper sandstone of, 339.
Sichel Hills, description of, 548.
- observations on the, 561.
- description of the country between the, and Nagpoor, 553.
Silicified wood, remarks on the, found near Pondicherry, 572.
Slate, description of, in the south of Ireland, 7, 12.
- notice of fossils in, 12.
- rocks of Cornwall, description of, 664.
- of the same age as the slate system of South Devon, 668, 689.
Slaty cleavage, observations on, in the cliffs of Ilfracombe Harbour, 646.
Slieve Meesh range, notices respecting the structure of the, 8, 36, 38.
Sligo, notices on the geology of the north coast, 149.
Sloey quarry, notice of vegetable remains found in, 648, 683, 695.
- remarks on, by Prof. Lindley, 683, 695.
- Henslow, 695.
- other organic remains, 648.
Smee, Capt., notice of fossils collected by, in Cutch, 715.
Smerwick Harbour, notice of rocks in the neighbourhood of, 8.
Sneds-Hill, list of coal seams and ironstone measures at, 478.
Somerset Island, Bermudas, observations respecting, 107.
Somersetshire, description of part of the northwest of, 638.
Sommerspiret, wood-cut of the ravine at, 254.
- description of the strata, 255.
South America, observations on the connexion of certain volcanic phenomena in, 601.
- nature of the earthquakes of, 615.
- remarks on their connexion with the volcanic phenomena in the West Indies and the Mississippi, 611.
- conclusions drawn from, 619.
- general conclusions deduced from the phenomena exhibited during earthquakes and volcanic eruptions in, 629.
South Devon, characters of the limestones of, 654.
- upper limestones occur generally in great unconnected masses, 651.
- observations on the fossils obtained from, 696.
- list of corals, 697.
- shells, 698.
- some of the shells resemble mountain limestone species, 698.
South of Ireland, Mr Weaver on the geological relations of, 1.
- points of difference between the memoir printed and that read June 4, 1830, 1 note.
- list of heights above the level of the sea, in the, 4.
- physical features of the, 4.
- geological constitution of, 3.
- general relations of the formations of, 6.
- transition series, description of, 6 to 24.
- metalliferous relations of the, 24 to 34.
South of Ireland, carboniferous series, description of, 34 to 50.

metalliferous relations of the, 60 to 67.

general observation on segregated metallic deposits in the, 66.

notices of diluvial action in the, 67.

South Munster, description of the carboniferous series of, 34.

Sowerby, Mr. J. de Carle, on Crioceratites and Scaphites gigas, 409.

notices by, of Devonshire fossils, 692, 693, and description of plates.

Cutch fossils, 327, 715.

Coalbrook Dale fossils, 491.

Hampstead fossils, 136.

Indian fossils, 570.

Spari, notice of the calcareous excrement of, 252 note.

Spike Island, structure of, 19.

Spilsburg, Dr., notice of his discovery of fossil freshwater shells in India, 570.

Spry, Dr., notice of fossil freshwater shells, discovered by, in India, 570.

Squalorain, description of the, 83.

observations on, by Prof. Agassiz, 85 note.

Staithes, section of Marlstone between, and Saltburn, 237.

St. Abb's Head, observations on the old red and associated strata north of, 694 note.

St. Agnes, country around, altered by granite and elvan dykes, 667.

St. Austell Bay, description of the coast section on the east side of, 665.

Granite, section from Dodman Point to the, 666.

St. David's Island, Bermudas, description of, 106.

St. Geneviève Island, notice of the country near, 99.

St. George's Island, Bermudas, description of, 106.

St. Lawrence, notes on the Geology of the north coast of the, 89.

between the Saguenay and Pointe de Monts, 89.

from Pointe de Monts to the Seven Islands, 90.

Seven Islands to the Moisie, 91.

Magpie river to Mingan, 91.

Mingan Island to Cape Whittle, 99.

account of the Mingan and Esquimaux islands, 92.

metallic minerals rare along the north coast, 99.

notices of the islands on the south shore, 110.

St. Paul, analysis of a mineral water from the island of, 261.

St. Peter's Mount, Maestricht, resemblance of its chalk to that of Stevensklint, 252.

Start Point, description of a section from Berry Head to, 659.

Steeraways, section of the carboniferous limestone at, 425.

Stevensklint, description of the white chalk and coralline limestone of, 246.

wood-cuts of a section near, 247, 248.

upper limestone, position of, with reference to the Faxoe limestone, 251 and wood-cut.

Faxoe, section (wood-cut) of the strata from, 251.

Stoke, description of the strata near, 661.

Stokes, C. Esq., notice respecting a piece of recent wood partly petrified by carbonate of lime, with some remarks on fossil wood, 207.

on some species of Orthocerata, 705.

Stowmarket, sections of wells, at and near, 376, 378.

Street, notice of reversed dip north of, 661.

Strickland, H. E. Esq., notices by, of the red marl and lias of Worcestershire, and of freshwater shells at Shotover, 260.

on some remarkable dikes of calcareous grit at Ethie in Ross-shire, 599.
I N D E X.

Taylor, John, Esq., observations on the strata penetrated in sinking a well at Diss, 137.

Teavaragh, notices of the hill of, 73, 81.

Teignmouth, notice of fossil corals found near, 697.

Teleosaurus, found only in the Jet Rock in Yorkshire, 217.

Terebratula striatula, fossil found in the London clay at Hampstead not to be distinguished from the shell so called obtained from the chalk, 132.

Tertiary deposits of the north coast of the St. Lawrence, notices of, 89 et seq.

——— not to be confounded with modern alluvial deposits, 90.

——— strata, description of, in Cutch, 302.

——— fossils found in, 304, 327.

Thessalon Island, notice of Orthocerata from, 705.

Tides, four feet six inches, average height in the Bermudas, 105.

Tilgate Forest, description of the bones of birds, discovered in the strata of, 175.

Tintagel slate, notice of the fossils contained in the, 668.

——— considered as belonging to an upper group of the slate series, 668.

Tipperary, notice of rolled debris in, 67.

——— mountains, heights in the, 6.

Torbay, description of a section from the east side of Dartmoor to, 650.

——— and Berry Head, limestones of, belong to the highest strata of the older formations in the south-east of Dartmoor, 650.

——— limestone, identified with that of Newton Bushel and Babbacombe, 652.

Tor Cross, description of the cliff near, 658, 661.

Torquay, notice of corals found near, 697.

Torr Eskert, account of the syenite veins which traverse mica slate and chalk at, 179, 182.

——— sections (wood-cut) of the veins, 183, 184.

Torr Point, notices of, 71.

Tostock, depth of gravel at, 376.

Totness, nature of the strata between, and Kingsbridge, 661 note.

Trachyte, description of, in Mayo, 168.

——— relative age of, 170.
INDEX.

Trachyte, description of, in Asia Minor, 584 et seq.
Trachytic conglomerates, descriptions of, in Asia Minor, 584 et seq.
Tralee, notice of layers of lead near, 65.
Transition limestone of the south of Ireland, metalliferous deposits in the, described, 27.
— series, account of, in Kerry, Cork and Waterford, 6.
— list of fossils contained in, in the south of Ireland, 10 and note, 15.
— list of fossils said to be common to, and the carboniferous system, 10 note.
United States, geographical distribution of Trilobites in the, 60 note, 62 note.
— tract, south of Ireland, metalliferous relations of, 24.
Trap, notice of, in Antrim, 81.
— in the Coalbrook Dale district, 449.
— rocks, description of, in Cutch, 306.
— at Gamrie, 144.
— in Mayo and Sligo, 162.
— in part of Asia Minor, 590 et seq.
— relative age of the, and laterite of India, 573.
— dykes, account of parallel, in Mayo and Sligo, 162.
— and porphyry of South Munster, notices respecting, 40 et seq.
Trees, account of action produced in, by earthquakes, 602, 603.
Trial pit, Castle Green, section of, 475.
— near Lilleshall Old Hall, 479.
Trilobites, geographical description of, in the transition series of the United States, 60 note, 62 note.
— carboniferous series, 61.

U.

Ugbrook Park, notice of complicated junctions near, 670 note.
— culm sandstone in, 673.
Ugborough, description of formations near, 650, 653.

Ullah Bund, notice of a bank in the Indus near, 319.
Ulloa, references to his account of the earthquakes in South America, 606 note, 614, 615.
United States, notice on the carboniferous series in the, by Mr. Weaver, 58 et seq. note.
Upper culm measures of Devonshire, description of, 677.
— essentially composed of sandstone and shale, 677.
— strata violently contorted, 677.
— vegetable remains abundant in, 678.
— contain thin beds of impure limestone, 678 note.
— account of the bands of culm near Bideford, 690.
— of the plants obtained from, 681.
— considered to be the equivalent of the ordinary British coal-fields, 682, 688.
— characteristic fossils, 215, 221.
— systematic list of the fossils, 219.
— section of the beds, 221.
Upper Silurian rocks, notice of, in Coalbrook Dale, 419.
Urgub, structure of the country near, 592, 593.
— conical hills near, 593.
Uch-hissar, description of the country near, 592.
— conical hills of, 592.

V.

Valdivia, motion of the ground at, during the earthquake Feb. 1835, compared to the bending of a sheet of ice, 620.
Valley of rocks, notices respecting, 640, 641, 644, 645.
Valleys, between granite hills, north coast of the St. Lawrence, occupied by beds of gravel, sand and clay, 89.
— of elevation, remarks on, 640 and note.
Vegetable organics, notice of, in the Bermudas, 115.
INDEX.

Verschoyle, Archdeacon, notices on the geology of the north coast of Mayo and Sligo, 149.

Vertebra, Mr. Owen on the composition of, 518.

Vertebral column, exposition of the general characters of the, in Plesiosauri, 521.

Veryan Bay and Looe, Killas thrown into a trough between, 666.

Villarica, volcano of, not affected during the outbursts in the Cordilleras and the earthquake, 1835, 605, 631.

—— action of, during the earthquake, 1822, 605, 631.

Volcanic eruptions, proofs of distinct periods of, in Cutch, 312.

—— recent outbursts of, in Cutch, 316.

—— have occurred at all epochs in the earth’s history, 624.

—— outbursts, considered to be effects of the same force as that which elevates continents, 606.

—— phenomena, tables of, by A. de Humboldt and Mr. Darwin, 610.

—— rocks, structure of, in part of Asia Minor, 584, 591, 592, 594, 595.

—— and trappean rocks, account of, in Cutch, 306.

Volcanos, on the formation of, as one of the effects of the same power by which continents are elevated, 601.

—— in South America, contemporaneous outbursts of, 604.

—— Osorno, Minchinmadom, Corcovado, Yantales, &c. Feb. 1835, 604, 607.

—— Osorno and Corcovado, Nov. 1835, 604.

—— Osorno, Aconcagua and Coseguina, January 1835, 611, 612.

—— not equally affected during periods of renewed energy, though situated on the same chain, 605.

—— of the Cordillera may be grouped into systems, 614.

—— the vents of each system probably united, but no proofs that the systems are, 614.

—— and earthquakes, apparent connexion of, in South America, 602, 611.

Volcanos and earthquakes, apparent connexion of, in South America; eruptions of Osorno, Corcovado, &c. and the earthquakes of Feb. and Nov. 1835, 604, 606.

—— near Valdivia, and the destruction of Valparaiso, 1822, 606 note.

—— proofs of connexion not always decisive, 611, 612.

—— observation of Ulloa respecting the connexion of, 615.

Vokey, Dr., notice of his discovery of fossil freshwater shells in India, 570.

—— by, of the country near the Taptee, 571.

—— on the rivers Kistnah and Pennar, 574.

W.

Warwick, remarks on the upper portions of the new red sandstone system near, 337.

—— sandstone of, described, 342.

—— occupies the same position as the sandstone of Ombersley and Bromsgrove, 342, 345.

—— fossils found in, 343.

—— concluding observations respecting, 345.

Warwickshire, description of the upper formations of the new red sandstone system in, 331.

Water, account of supplies in the Bermudas, 120.

Waterford, county, description of the metalliferous deposits in the transition series of, 24.

—— transition series in, 12.

—— mountains, highest point of, above the level of the sea, 6.

Waters'-meet, notices respecting the strata near, 644.

Wavellite obtained in Devonshire from the lower culm measures, 671.

—— found in coal shales in South Wales, 671 note.
INDEX.

Weaver, Thomas, Esq., on the geological relations of the South of Ireland, 1.

— notice on the carboniferous series in the United States, by, 58 et seq. note.

Wedgewood, — Esq., remarks on his explanation of the process by which cinders and other substances become buried, 507.

Weeley Barracks, section of a well at, 369.

Wenlock shale and limestone, account of, in Coalbrook Dale, 419.

Wetherell, N. Esq., observations by, on a well dug on the side of Hampstead Heath, 181.

Weal Betsey lead vein, situated in the culm measures, 670 note.

— Friendship copper vein, notice of its being situated in part in the culm measures, 670 note.

Wheal Betsey, section of a well at, 382.

White chalk, account of, at Stevensklint, 247.

— freshwater limestone, description of, in Asia Minor, 584, 589, 590, 595.

— Hills, Gamrie, notice of patches of drained peat moss around, 148.

— Nab, section of great oolite at, 231, 237.

Whitton, section at, 379.

Wickham Market, section of a well at, 377.

Williams, Rev. David, on the raised beaches in Barnstaple or Bideford Bay, 287.

— notice of his finding vegetable remains in the quarry at Sloly, 648, 683.

— collection of Devonshire and Cornish fossils, 692 note.

Williamson, W. C. Esq., on the distribution of fossil remains on the Yorkshire coast from the lower lias to the Bath oolite, 223.

Willishead, sections of wells at, 379.

Witnesham, section of well at, 379.

Won, description of the hill of, 557.

Wood, account of a piece of recent beech, partly petrified by carbonate of lime, 207.

— analysis of one of the petrified portions, 208.

— similar appearance in a specimen of silicified wood from Antigua, pointed out by Mr. R. Brown, 208.

Woodbridge, sections of wells near, 382.

Woolverstone, sections near, 381.

Woombridge, section of beds in the coal shaft at, below the flint coal, 479.

— pit, next the engine, section of, 480.

— sections at, 475.

Worcestershire, description of the upper formations of the new red sandstone system in, 331.

Wrekin, account of the faults on the flanks of, 458.

— structure of the, 449.

Wright, Romley, Esq., on the Brown Clee Hill, 125.

Y.

Yantales, phenomena presented by, Feb. 1835, 604, 607.

Yealm, notice of the beds south of the, 658.

Yew-tree pit, Calcut field, Broseley, section of, 481.

Yorkshire, on a section of the upper lias and marlstone of, 215.

— coast, on the distribution of fossils on the, from the lower lias to the Bath oolite, 223.

— systematic list of the fossils, 238.

— stratigraphical table of the formations, 237.

Youghall, account of the limestone near, 18.

Z.

Zynad, description of the country near, 553.