

INDEX TO THE PROCEEDINGS.

- Brick-earth of Sussex, 62.  
 British and foreign tertiaries, Mr. Prestwich on the, 89.  
 British species of fossil Mastodon, 322.  
 Bruxellian tertiaries, 106.  
 Buist, G., on the occurrence of crystallization in a stucco-casting, 11.  
 Bulgaria, Capt. Spratt on the geology of parts of, 72.  
 Bunbury, C., on peat-deposit, noticed, cxxxiv.  
 Calcaire grossier and Bracklesham sands, compared, 90.  
 Cambrian rocks, annelide-burrows in the, 199.  
 Campbell, R., on the occurrence of an earthquake at Rhodes, 176.  
*Cephalaspis Murchisoni*, 284.  
 — *ornatus*, 285.  
 — *Sabeyi*, 283.  
 Chalk, allophane in the, 13.  
 Chalk-flints and greensand of Aberdeenshire, fossils from the, 83.  
 Changes of level in Hants and the Isle of Wight, 64.  
 Charlton, allophane in the chalk at, 13.  
*Chemnitzia Roessleri*, 216.  
 Chile, the occurrence of bones of Mastodon in, 291.  
*Chiton Howseanus*, 216.  
 — *Lofusianus*, 216.  
 Clarke, Capt., on the mean density of the earth, noticed, cxxx.  
 Clarke, Rev. W. B., additional notice of the occurrence of volcanic bombs in Australasia, 188.  
 Cleghorn, J., on the rock-basins of Dartmoor, 231; noticed, cxxxv.  
 Coal in Siam, 188.  
 Coal-shales at Medlock Park Bridge, description of a new crustacean from the, 363.  
 Coan, Rev. T., on the volcanic eruptions in Hawaii, 170.  
 Cocchi, I., on the geology of Tuscany, noticed, cxiii.  
 Cololites, Mr. Salter on, 204.  
 Columnar rocks near Varna, 75.  
 Committee, Report of the Library and Museum, iii.  
 Concordia mine, Namaqualand, 234.  
 Conglomerates and quartzites of Northwest Scotland, 17.  
 Copperberg in Namaqualand, 234.  
 Copper-lodes at San Fernando, near Cienfuegos in Cuba, Prof. D. T. Ansted on the, 240; near Sykesville, in Maryland, North America, 242; of Ducktown, in East Tennessee, U.S., description of the, 245; map of the Ducktown mineral district, 247.  
 Copper-mines of Namaqualand, R. N. Rubidge on the, 233.  
 Correlation of the eocene tertiaries of England, France, and Belgium, Mr. Prestwich on the, 89.  
 Crag, Dr. Falconer on the age of the, 359; mammalia of the, 351; the Mastodon of the, 322, 347.  
 Cretaceous fossils of Aberdeenshire, Mr. Salter on the, 83.  
 Crete, notice of the late earthquake at, 240.  
 Crimea and Bulgaria, Capt. Spratt on the comparison of the geological features of, 79.  
 Crustacean, fossil, from the lias bone-bed, 360; from the coal-measures, 363; from the magnesian limestone, 213.  
 Crystallization in a stucco-casting, Dr. Buist on the occurrence of, 11.  
 Cuba, description of copper-lodes at San Fernando in, 240.  
*Cyprina Fergusoni*, 87.  
 Dardanelles, marine deposits at the, 81.  
 Dartmoor, the rock-basins of, 231.  
 Degouée and Laurent on the Valenciennes coal-basin, noticed, cxix.  
 De la Harpe on the English eocene flora, noticed, cviii.  
*Dentalium cœlatum*, 87.  
 Dentition of Dichodon and allied animals, 194; of Mastodon and Elephant, 312.  
 Deshayes, G., on the Paris tertiary molluscs, noticed, cv.  
 Dichobune, description of the genus, by Prof. Owen, 258.  
*Dichobune ovina*, 254.  
*Dichodon cuspidatus*, Prof. Owen on the, 190.  
 Dichodon, description of the genus, by Prof. Owen, 190.  
 Dinotherium, Dr. Falconer on the, 310.  
 Donations to the Society, ix, 135, 219, 294, 371.  
 Dorset and Hants the gravels of, 40, 45.  
 Drift-clay of Sussex, 55.  
 Ducktown in East Tennessee, U.S., description of the copper-lodes of, 244.  
 Durham, Mr. Kirkby on some Permian fossils from, 213.  
 Earthquake at Crete, 240; at Rhodes, 176.  
 Egerton, Sir P., palichthyologic notes, No. 9, on some fish-remains from the neighbourhood of Ludlow, 282.  
 Elephants occurring in the fossil state in Great Britain, Dr. Falconer on the species of, 307.  
 Elephas, Dr. Falconer's diagnosis of the genus, 317.

INDEX TO THE PROCEEDINGS.

- Eocene tertiaries of England, France, and Belgium, Mr. Prestwich on the correlation of the, 89.
- Eubœa, the coast of Greece, and Salonika, Capt. Spratt on the freshwater deposits of, 177.
- Euelephas, Dr. Falconer on the, 315.
- Falconer, Dr. H., on the species of Mastodon and Elephant occurring in the fossil state in Great Britain, Part I. Mastodon, 307; description of two species of the fossil mammalian genus *Plagiaulax* from Purbeck, 261.
- Ferguson, W., on the chalk-flints and greensand found in Aberdeenshire, 88.
- Fish-remains from the neighbourhood of Ludlow, 282, 290.
- Flustrellaria dentata*, 86.
- Forbes, E., on the tertiaries of the Isle of Wight, noticed, ciii.
- Fossil crustacean, description of a new, by Mr. C. Gould, 360; from the coal-measures, description of, by Prof. Huxley, 363.
- Fossiliferous ironstone occurring on the North Downs, Mr. Prestwich on some, 212.
- Fossils found in the chalk-flints and greensand of Aberdeenshire, 83; from Bulgaria, 82; from Varna, the Bulgarian coast, and the Dardanelles, 82; of the Barton clay, 118; of the mud-deposits of the Sussex levels, 51.
- Fossil species of Mastodon and Elephas, 307.
- vertebræ of a serpent (*Laophis crotaloides*, Ow.) discovered by Capt. Spratt in a tertiary formation at Salonika, 183, 196.
- French coast, gravels of the, 43.
- Freshwater deposits of Bulgaria, 80; of Eubœa, the coast of Greece, and Salonika, Capt. Spratt on the, 177.
- Geinitz, H. B., on the coal-formation of Saxony, noticed, cxv.
- General Meeting, Annual, i.
- Geological age of the Mastodons, 343.
- history of the north-western district of Scotland, 36.
- Geology of Namaqualand, Dr. Rubidge on the, 233; some parts of Greece, Capt. Spratt on the, 177; the Bulgarian coast, Capt. Spratt on the, 72; the N.W. Highlands, Prof. J. Nicol on the, 17; the Sussex coast, Mr. Godwin-Austen on the, 40; Varna and its vicinity, Capt. Spratt on the, 72.
- Gneiss of Namaqualand, 235; the north-west of Scotland, 17.
- Godwin-Austen, R., on the newer tertiary deposits of the Sussex coast, 40; noticed, xcvi.
- Goniodactylus* (recent), 368.
- Gossan-lodes in the Ducktown mineral district, U.S., 248.
- Gould, Charles, description of a new fossil crustacean (*Tropifer lævis*, C. Gould) from the lias bone-bed, by, 360.
- Granite of Namaqualand, 235.
- Gravels of Dorset and Hants, 40; Sussex, 41, 47.
- Greece, Capt. Spratt on the freshwater deposits of the coast of, 177.
- Greensand in Aberdeenshire, fossils of the, 85.
- Grès de Beauchamp, 107.
- Hants, the gravels of, 40.
- Harkness, R., on the Dingle Promontory, noticed, lxxxii; on the lowest sedimentary rocks of Scotland, noticed, lxxviii; on the Permian rocks of the south of Scotland, noticed, lxxxi; J. Blyth on the cleavage of the Devonian rocks in Ireland, noticed, lxxxii.
- Haughton, S., on the carboniferous and old red beds of Ireland, noticed, cxxi.
- Hawaii, the volcanic eruptions in, 164, 170, 176.
- Helminthites, Mr. Salter on, 204.
- Hennessy, on the earth's internal structure, noticed, cxxix.
- Highcliff, sections at, 45, 108.
- Hillier, C. B., and H. J. Moyle, notice of the occurrence of metalliferous ores and coal in Siam, 188.
- Hippothoa Voigtiana*, 217.
- Hopkins, W., on the internal structure of the earth, noticed, cxxix.
- Huxley, T. H., description of a new crustacean (*Pygocephalus Cooperi*, Huxley) from the coal-measures, by, 363.
- Hypsiprymnus Gaimardi* (recent), 278.
- Ice-carried boulder at Borgholm, 189.
- Ichthyodorulites from near Ludlow, 288.
- Indian Geological Survey, memoirs of the, noticed, cxxiii.
- Ironstone, fossiliferous, of the North Downs, 212.
- Isle of Wight, lower jaw and teeth of an anoplotherioid quadruped (*Dichobune ovina*) from the upper eocene marl in the, 254; *Dichodon cuspidatus* from the, 190; sectional lists of the tertiary beds at the, 109; sections of cliffs at, 108, 109; the gravels of, 46.
- Jones, T. Rupert, on *Estheria minuta*, noticed, cxxxix.

INDEX TO THE PROCEEDINGS.

- Kelly, J., on the carboniferous rocks and old red sandstone of Ireland, noticed, cxx.
- Kilauea, volcano of, 165.
- Kinahan, C. H., on the igneous rocks of the Berehaven district, noticed, cxliii.
- King, W., on the Permian formation of Ireland, noticed, cxviii.
- Kirkby, J. W., on some Permian fossils from Durham, 213; noticed, cxviii.
- Kollyrite, Mr. Morris on, 16.
- Kustenhöhe, section at, 78.
- Laekenian tertiaries, 107.
- Lake Van, analysis of the water from, 186.
- Laophis crotaloides*, 196.
- Lias bone-bed, crustacean from the, 360.
- Library Committee, Report of the, iii.
- Lima elegans*, 85.
- *Permiana*, 217.
- Limestones, fossiliferous, of the North-western Islands, 17.
- Limopsis texturata*, 86.
- Livonati Hills on the Locrian coast, section of the freshwater deposits at the, 180.
- Longmynd, Mr. Salter on annelid-burrows and surface-markings from the Cambrian rocks of the, 199; section of the, 200.
- Loxodon, Dr. Falconer on the, 315.
- Ludlow, Sir P. Egerton on some fish-remains from the neighbourhood of, 282, 290.
- Lyell, Sir C. (Vice-President), Address on handing to Sir R. Murchison the Wollaston Medal awarded to M. Joachim Barrande, xxiii.
- Mammalia of the crag, Dr. Falconer on the, 351.
- Manchester, fossil crustacea from the coal-measures near, 363.
- Maryland, copper-lodes near Sykesville in, 242.
- Mastodon and Elephant occurring in the fossil state in Great Britain, Dr. Falconer on the species of, 307.
- Mastodon, Dr. Falconer's diagnosis of the genus, 316; occurrence of the bones of, in Chili, 291.
- Mastodon (Tetralophodon) Arvernensis*, 324, 331, 333.
- *longirostris*, 324.
- (*Trilophodon*) *augustidens*, 323.
- Mauna Loa, in the island of Hawaii, volcanic eruptions at, 164, 170, 176.
- Metalliferous ores and coal in Siam, 188.
- rocks of Namaqualand, 233.
- Microlestes antiquus*, 281.
- Miller, Mr., further notice of the eruption of Mauna Loa, 176; noticed, cxlii.
- Mineral-veins of Namaqualand, 233.
- , Prof. Ansted on some remarkable, 240.
- Mineral waters from the Turko-Persian frontier, 184.
- Molecular changes, Dr. Buist on, 11.
- Moore, J. C., on the Silurian rocks of Wigtonshire, noticed, lxxiii.
- Morris, J., on the occurrence of allophane at Charlton, Kent, 13; noticed, cxlv.
- Moyle, H. J., and C. B. Hillier, notice of the occurrence of metalliferous ores and coal in Siam, 188.
- Murchison, Sir R., note on the relative position of the strata near Ludlow, containing the ichthyolites described by Sir P. Egerton, 290; reply on receiving for M. J. Barrande the Wollaston Medal, xxiv.
- Museum Committee, Report of the, iii.
- Mysis* (recent), 368.
- Namaqualand, Dr. Rubidge on the copper-mines of, 233.
- Newer tertiary deposits of the Sussex coast, 40.
- Nicol, James, on the red sandstone and conglomerate, and the superposed quartz-rocks, limestones, and gneiss of the north-west coast of Scotland, 17; noticed, lxxiv.
- North America, description of some copper-lodes in, 242.
- North Downs, some fossiliferous ironstone occurring on the, 212.
- North-west Scotland, limestone, conglomerates, and quartzites of, 17.
- Nummulitic rocks near Varna, 74.
- Oldham, T., geological survey of the Irrawaddy, noticed, cxi; on the iron-ores of Talcheer, noticed, cxv.
- Onchus Murchisoni*?, 288.
- Onchus*, on, 289.
- Ongley, H. S., notice of the late earthquake at Crete, 240.
- Oppel, A., on the Jura-formation, noticed, xcii.
- Owen, R., description of the lower jaw and teeth of an anoplotheriid quadruped (*Dichobune ovina*, Ow.) from the upper eocene marl, Isle of Wight, 254; on Gastornis Parisiensis, noticed, cxlvi; on mammalian remains from the crag, noticed, cxlvi; on the affinities of Stereognathus ooliticus (Charlesworth), a mammal from the oolitic strata of Stonesfield, 1; noticed, cxlvi; on the *Dichodon cuspidatus* (Owen), 190;

## INDEX TO THE PROCEEDINGS.

- on the fossil vertebræ of a serpent (*Laphis crotaloides*, Owen) discovered by Capt. Spratt in a tertiary formation at Salonika, 196; noticed, cxxxvii.
- Palichthyologic notes, No. 9, by Sir P. Egerton, 282.
- Paris tertiary group, 90.
- Passage-beds of the Silurian and Devonian series, 291.
- Pectunculus umbonatus*?, 86.
- Percy, J., on the manufacture of sulphate of magnesia, 187.
- Permian fossils from Durham, Mr. Kirkby on some, 213.
- Pholerite, Mr. Morris on, 16.
- Pictet and Humbert, on the Chelonians of the Swiss mollasse, noticed, cxvi.
- Plagiaulax from Purbeck, description of two species of the fossil mammalian genus, by Dr. Falconer, 261.
- Plagiaulax Becklesii*, 262, 278.  
— *minor*, 262, 281.
- Plectrodus*, species, 288.
- Poole, H., on the Dead Sea, noticed, cxxxii.
- Portlock, Col. (President), Address on presenting the proceeds of the Donation Fund to Mr. Woodward, xxv; Anniversary Address, February 20, 1857, xxvi. *Notices of Deceased Fellows*: the Rev. Dr. Buckland, xxvii; Daniel Sharpe, xlv; Sir Alexander Crichton, lxiv; Sir Benjamin Fonseca Outram, lxvi; Nathaniel John Larkin, lxviii; Archdeacon Hare, lxviii; Dr. Ure, lxix; Col. Lloyd, lxix; M. Constant Prévost, lxxi; the Rev. Mr. Image, lxxv. Notice of the death of Mr. Hugh Miller, lxxv; review of geological progress, lxxvi; M. Casiano de Prado on Almaden and the neighbouring mountains, and MM. de Verneuil and Barrande on Spanish fossils, lxxvii; Prof. Harkness on the lowest sedimentary rocks of the south of Scotland, lxxviii; on the Permian sandstones and breccias of the south of Scotland, lxxix, and Mr. Sharpe's observations thereon, lxxx; Harkness on the geology of Dingle Territory, lxxxii; Harkness and Blyth on the cleavage of the Devonian rocks of the south-west of Ireland, with Mr. Sharpe's comments thereon, lxxxii; on the Silurian rocks of Wigtownshire, by Mr. J. C. Moore, lxxxiii; Prof. J. Nicol on the red sandstones and quartzites of the north-west of Scotland, lxxxiv; Guido and Fridolin Sandberger on the Devonian fossils of the Rhenish provinces of Nassau, lxxxv; Dr. Wright on the palæontology and stratigraphical relation of the sands hitherto called sands of the inferior oolite, xci; Dr. Albert Oppel on the Jura formation, xcii; observations on the tertiary formations, xcv; Mr. Godwin-Austen on the newer tertiary deposits of the Sussex coast, xcvi; Mr. Prestwich's various papers on the tertiary formation, xcix; Mr. Prestwich on the discovery recently made of a fossiliferous ironstone on the North Downs, cii; Prof. Edward Forbes's work on the Isle of Wight Tertiaries, edited by Mr. Godwin-Austen, ciii; M. Deshayes's 'Description des Animaux sans Vertèbres découverts dans le Bassin de Paris,' cv; Dr. De la Harpe's 'Quelques Mots sur la flore tertiaire de l'Angleterre,' cviii; notice of the Museum of Economic Geology in India, and the report by Mr. Oldham on the Irrawaddy river, cxi; Capt. Spratt on the geology of Varna and the neighbouring parts of Bulgaria, cxi; Signor Cocchi on the igneous and sedimentary rocks of Tuscany, cxiii; MM. Pictet and Humbert on the chelonians of the Swiss mollasse, cxvi; Mr. Prestwich on the peculiarities of the Paris basin as distinguished from those of the London basin, cxviii; MM. Tuomey and Holmes on the pliocene fossils of South Carolina, cxix; MM. Degoussée and Laurent on the Valenciennes coal-basin, cxix; Mr. Kelly and Prof. Haughton on the coal-formation of Ireland, and its relation to the old red sandstone, cxx; Dr. C. H. Kinahan on the igneous rocks of the Berehaven district, cxxiii; the memoirs of the Geological Survey of India, relating to the Talcheer coal-field in the province of Cuttack, cxxiii; notices of the gold of Assam and of the province of Martaban, in Burmah, by Capt. E. T. Dalton and Lieut.-Col. J. F. Hannay, cxv; notice of a work on the coal-formation of Saxony, by Prof. Hanns Bruno Geinitz, cxv; Prof. King on magnesian limestone and Permian fossils in Ireland, and Mr. Binney on the extension of the limits of the Permian strata, cxviii; the opinions of Prof. Hennessy, Mr. W. Hopkins, and M. Delesse on the influence of the earth's internal structure on the

INDEX TO THE PROCEEDINGS.

- length of the day, cxxix; Col. James and Capt. Clarke on the density of the earth, cxxix; the researches made by the coast survey of the United States, and by Prof. A. D. Bache on the distribution of temperature in and near the Gulf-stream, cxxxi; notice of Mr. Poole's visit to the Dead Sea, cxxxii; the reports by Consul-General Miller on the eruption of Mauna Loa in Hawaii, cxxxii; Mr. Babbage's paper on oceanic sediments, cxxxii; Mr. Poulett Scrope's views on the formation of craters and on the nature of the liquidity of lava, cxxxii; Mr. James Gay Sawkins's visit to the Friendly Islands, cxxxiii; papers on minerals by Dr. Rubidge, Mr. Dick, the Rev. R. H. Cobbold, and the Rev. W. S. Symonds, cxxxiii; notice of the coal-formation of the neighbourhood of Sydney, by Mr. J. S. Wilson, cxxxiv; Mr. S. H. Beckles's description of a cliff-section from Hastings to Cliffend, cxxxiv; Mr. Bunbury on a peat-deposit near Wretham Hall, Norfolk, cxxxiv; analysis by Dr. Richardson and Mr. Browell of mineral waters brought from the borders of Persia by Mr. W. K. Loftus, cxxxv; Mr. J. Wolley's notice of an ice-carried boulder at Borgholm, cxxxv; Mr. Cleghorn on the origin of the potholes on the surface of the rocks of Wick, cxxxv; Mr. H. G. Bowen's sketch of the geology of Trinidad, cxxxv; Mr. H. J. Moyle's notice of the occurrence in Siam of various metalliferous ores, cxxxv; the Rev. W. B. Clarke's note on volcanic bombs in the alluvial drift of Victoria and Tasmania, cxxxv; Mr. Morris on allophane at Charlton, Kent, cxxxv; Prof. Owen's papers on the *Stereognathus ooliticus* from the Stonesfield slate, cxxxvi; *Gastornis Parisiensis* from the lower eocene of Meudon, near Paris, cxxxvi; mammalian fossils from the red crag of Suffolk, cxxxvi; a large serpent from Capt. Spratt's collection of Greek freshwater tertiary, cxxxvii; Mr. Salter on organic remains found in the Longmynd, cxxxvii; on *Diploceras*, cxxxviii; on a new species of *Ascoceras* from Ludlow, cxxxviii; Mr. Salter's and Mr. W. H. Baily's notice of the fossils found in the chalk-flints and greensand of Aberdeenshire, cxxxviii; Mr. J. W. Kirkby on the occurrence of a minute malacostracous crustacean and other fossils in the magnesian limestone of Durham, cxxxviii; Mr. S. P. Woodward's description of the appearance of some *Orthocerata* from China, cxxxviii; Mr. Binney on footprints in the millstone-grit of Tintwistle, Cheshire, cxxxix; Mr. Rupert Jones's notice that some of the minute species of *Posidonomya* should be removed from the mollusca, and classed with the bivalved phylloporous entomostraca, cxxxix; observations on the Museum of Practical Geology and the School of Mining Science associated with it, cxl; thoughts on creation, and conclusion, cxliii.
- Pot-holes at Wick, 231.
- Prado, C. de, on the Geology of Spain, noticed, lxxvii.
- Prestwich, J., on some fossiliferous ironstone occurring on the North Downs, 212; on the correlation of the eocene tertiaries of England, France, and Belgium; Part II. The Paris group continued, 89; noticed, xcix.
- Proboscidea, Dr. Falconer on the, 310.
- Prosoponiscus problematicus*, 214.
- Purbeck, Dr. Falconer's description of two species of the fossil mammalian genus *Plagiaulax* from, 261.
- Pygocephalus Cooperi*, 363.
- Quartzites of the north-west of Scotland, 17.
- Rain-prints* in the Cambrian rocks, 201.
- Recent and fossil ophidian vertebræ, 197.
- Red sandstone and conglomerate, and the superposed quartz-rocks, limestones, and gneiss of the N.W. coast of Scotland, Prof. Nicol on the, 17.
- Report, Annual, of the Council, i; of the Library and Museum Committee, iii.
- Rhodes, Mr. Campbell on the occurrence of an earthquake at, 176.
- Richardson, T., and E. J. J. Browell, on the analysis of waters from the Turkish-Persian frontier, 184.
- Ripple-marks* in the Cambrian rocks, 201.
- Rock-basins of Dartmoor, 231.
- Rubidge, R. N., on the copper-mines of Namaqualand, 233; noticed, cxxxiii.
- Sables moyens, 107.
- Salonika, Capt. Spratt on the freshwater deposits of, 177; fossil vertebræ of a serpent (*Laophis crocaloides*, Ow.) discovered by Capt. Spratt at, 183, 196.
- Salter, J. W., on annelide-burrows and surface-markings from the Cambrian

INDEX TO THE PROCEEDINGS.

- rocks of the Longmynd, 199; noticed, cxxxvii; on *Diploceras*, noticed, cxxxviii; on the cretaceous fossils of Aberdeenshire, 83; noticed, cxxxviii; on two Silurian species of *Acidaspis* from Shropshire, 210.
- Sandberger, G. and F., on the Devonian fossils of Nassau, noticed, lxxxv.
- San Fernando, near Cienfuegos, in Cuba, Prof. D. T. Ansted on the copper-lodes at, 240.
- Sawkins, J. G., on the Friendly Islands, noticed, cxxxvi.
- Scarbroite, Mr. Morris on, 16.
- Scolithus and Scolites, Mr. Salter on, 204.
- Scotland, Dr. Thomson on some species of *Acidaspis* from the lower Silurian beds of the south of, 206.
- , Prof. Nicol on the red sandstone and conglomerate, and the superposed quartz-rocks, limestones, and gneiss of the north-west coast of, 17.
- Scrope, P., on volcanos, noticed, cxxxii.
- Section at Kustenjeh, Black Sea, 78; at Paghram creek, 68.
- Sections in Bulgaria, 72; in the north-west of Scotland, 18.
- Section of gravels near Cowes, 46; Portsmouth harbour, 65; cliff at Alum bay, Isle of Wight, 109; at White Cliff bay, Isle of Wight, 109; from High Cliff to Barton on the coast of Hampshire, 108; the freshwater deposits at the Livonati hills on the Locrian coast, 180; the Hampshire coast, 45; the Longmynd, 200.
- Section of the copper-lodes in Maryland, 244; Tennessee, 248; the tertiaries in Oise, 110.
- Semieschariptora mumia*, 86.
- Serpent (*Laophis crotaloides*, Owen), fossil vertebræ of a, 196.
- Shropshire, Mr. Salter on two Silurian species of *Acidaspis* from, 210.
- Siam, notice of the occurrence of metalliferous ores and of coal in, 188.
- Silurian species of *Acidaspis*, 206, 210.
- Skye, section in the southern part of, 31.
- South Africa, copper district of, 233.
- Spektakel mine in Namaqualand, 234.
- Spratt, T. A. B., additional observations on the geology of Bulgaria, 176; on the freshwater deposits of Eubœa, the coast of Greece, and Salonika, 177; on the geology of Varna and the neighbouring parts of Bulgaria, 72; noticed, cxi.
- Springbok Fontein mine in Namaqualand, 234.
- Stegodon, Dr. Falconer on the, 314.
- Stereognathus ooliticus*, a mammal from the oolitic slate of Stonesfield, Prof. Owen on the affinities of, 1.
- Stonesfield, Prof. Owen on the *Stereognathus ooliticus* from, 1.
- Sun-cracks* in the Cambrian rocks, 201.
- Surface-markings in the Cambrian rocks, 199.
- Surf-ripple* on the Cambrian rocks, 202.
- Sussex coast, Mr. Godwin-Austen on the newer tertiary deposits of, 40.
- levels, deposits of the, 48.
- Sykesville in Maryland, North America, copper-lodes near, 242.
- Symonds, W. S., on burnt syenite, noticed, cxxxiii.
- Synoptical table of the species of mastodon and elephant, 319.
- Table of Barton fossils, 118; synchronous strata of the Paris tertiary group, 133; the fossil shells at Bracklesham, which occur also in the Paris tertiaries, 93; range and distribution of the mollusca of the Bracklesham sands and Barton clay in the English and French eocene marine series, 134; species of mastodon and elephant, 319; times of appearance of the permanent teeth in the ox, sheep, and hog, 195.
- Tennessee, copper-lodes of, 245.
- Tertiaries, Mr. Prestwich on the British and foreign, 89.
- , newer, of the Sussex coast, 40.
- Tertiary formation at Salonika, fossil vertebræ of a serpent discovered in a, 183, 196.
- Tetralophodon*, Dr. Falconer on the, 313.
- Theobald, W., on the Talcheer coal-field, noticed, cxxxiii.
- Thomson, Wyville, on some species of *Acidaspis* from the lower Silurian beds of the south of Scotland, 206.
- Tritophodon*, Dr. Falconer on the, 313.
- Taxaster*, sp., 86.
- Tropifer levis*, 361.
- Tuomey and Holmes on the pliocene fossils of South Carolina, cxix.
- Turko-Persian frontier, analysis of waters from the, 184.
- Varna and its vicinity, Capt. Spratt on the geology of, 72.
- Verneuil, E. de, on Spanish fossils, noticed, lxxvii.
- Visits to the crater of Mauna Loa, 164, 172.
- Volcanic bombs in Australasia, the occurrence of, 188.

INDEX TO THE PROCEEDINGS.

- Volcano of Mauna Loa in Hawaii, notices of the recent eruptions from the, 164, 170, 176.
- Waters from the Turko-Persian frontier, analysis of, 184.
- Wave-marks* in the Cambrian rocks, 201.
- Weld, F. A., on the volcanic eruption at Hawaii in 1855-56, 163.
- Wick, Mr. Cleghorn on pot-holes at, 231.
- Wilson, J. S., on the geology of some parts of Australia, noticed, cxxxiv.
- Wollaston Donation Fund, award of the proceeds of, xxv.
- Wollaston medal, award of the, xxiii.
- Wolley, John, notice of an ice-carried boulder at Borgholm, 189.
- Woodward, S. P., on an *Orthoceras* from China, noticed, cxxxviii; reply on being presented with the proceeds of the Donation Fund, xxv.
- Wright, T., on the so-called sands of the inferior oolite, noticed, xci.
- Xiphodon, description of the genus, by Prof. Owen, 257.

END OF VOL. XIII.