

ALPHABETICAL INDEX

TO THE

PROCEEDINGS OF THE GEOLOGICAL SOCIETY.

[The fossils referred to are described, and those of which the names are printed in italics are also figured.]

- Abbey Wood, sections near, 101, 107.
Acton Scott flags, 66.
Æchmodus, Sir P. Egerton on the genus, 367.
Æschnidium Bubas, 394.
Age of the Farringdon gravels, Mr. Sharpe on the, 176.
Agglestone, the, near Studland, 126.
Agrilium Cyllabacus, 395.
— *Cyllarus*, 395.
— *Stomphax*, 395.
— *Strombus*, 395.
Agronidium Ætna, 396.
Albion coal-measures, Mr. Dawson and Mr. Poole on the, 42.
Alexander, Capt., on the remains of fish in flint, 334.
Alfred's Hill, sands of, 177.
Alpine limestone, the lower, 347; the upper, 351.
Alps, Bavarian, M. Schlagintweit on the geology of the, 346.
Alzey, tertiaries near, 262.
Ampullaria subdepressa, 155.
Analysis of coals from Albion mines, 43.
Anniversary Address of the President, xxii. See also Forbes, Prof. E.
Annual General Meeting, i.
Ants, fossil giant, from Purbeck, 388, 390.
Archæoniscus Edwardsii, 393.
Archiac, Vicomte d', and M. J. Haime, British Devonian corals, noticed, lix; fossils of the nummulitic rocks of India, noticed, l, lxiv.
Archiac, Vicomte d', History of the progress of Geology, noticed, lii, lxxvi.
Artisia, 36.
Auricula pygmaea, 159.
Auriferous drift in California, 312, 314, 317; Victoria, 302; New Zealand, 323; N. Wales, 247.
Auriferous quartz in Australia, 301, 306; California, 314, 316; Cornwall, 247.
Auriferous rocks of Cornwall, 247; New Zealand, 322; North Wales, 242; Victoria, 302, 324.
Austen, R. G., on the palæozoic rocks of the Boulonnais, noticed, liii.
Australia, gems and gold-crystals from, 303; gold rocks of, 302, 324.
Aveline, W. T., and J. W. Salter, on the Caradoc sandstone of Shropshire, 62.
Award of the Donation Fund, xxi; Wollaston Medal, xix.
Badbury Hill, sands of, 177.
Bagshot Hill, section at, 85.
— sand in the Isle of Sheppey, Mr. Weston on the, 399; Mr. Prestwich on the, 406.
Ballarat, gold and gems from, 305.
Baphetes planiceps, 207.
Barrande, J., on the Silurian system of Bohemia, noticed, xxix.
Basalt of Victoria, 301.
Bavarian Alps, Dr. Schlagintweit on the, 346.
Baxo, Sir C. Lyell on the geology of, 328.
Beckles, S. H., on the ornithoidichnites of the Wealden, 456.
Beetle, fossil, from Stonesfield, 379.
Beetles, fossil, from Purbeck, 382.
Belgian tertiaries, 455.
Belgium and Mayence, comparison of the tertiaries of, 289.
Bell, T. L., on the geology of Kotah in the Deccan, 374.
Bellerophon nodosus, 73.
—, sulcatinus, 74.
Bexhill, coast-sections at, 174, 458; foot-tracks in the Wealden rocks at, 456; fossil insects at, 174.
Bigsby, J. J., on the geology of Rainy Lake, South Hudson Bay, 215.
Binfield, W. R. and H., on the occurrence of fossil insects in the Wealden strata of the Sussex coast, 171.
Bird-remains from Counter Hill, 157.

INDEX TO THE PROCEEDINGS.

- Bituminous limestones of the Joggins coal-measures, 15; shales at the Joggins, 10.
- Blackheath, section at, 104.
- Blackwall, sections at, 152, 434.
- Blanford, W. T., on a section lately exposed at the West India Docks, 433.
- Blapsium Egertoni*, 393.
- Blattidium Achelous*, 396.
- *Molossus*, 394.
- *Nogaus*, 396.
- *Symyrus*, 396.
- Bognor, fossils from, 418.
- Boughton, section at, 109.
- Boulder-deposits in the Isle of Man, 214; at Rainy Lake, 221; in the Bavarian Alps, 356.
- Brachyops laticeps, 474.
- Bracklesham beds, fossils of the, 450; and the London Clay, compared, 435.
- Brodie, P. B., on the insect-beds of the Purbeck formation in Wilts and Dorset, 475.
- Bromley, well-section at, 151.
- Bromsgrove, fossil fish from the New Red Sandstone of, 367.
- Brown-coal clay of the Mayence Basin, 271.
- Buch, L. von, notice of, xxii.
- Buckman, J., on the Cornbrash, noticed, xli.
- Euprestium Bolbus*, 395.
- *Dardanus*, 395.
- *Gorgus*, 394.
- *Slygnus*, and var., 395.
- *Teleas*, 393.
- *Valgus*, 395.
- *Woodlei*, 393.
- Calamites, 34.
- California, Mr. Wilson on the gold regions of, 308; quicksilver mines in, 320.
- Candona Richardsoni*, 162.
- Canterbury, section near, 110; swallow-holes near, 222.
- Cape Breton, coal-seams at, 23.
- Carabidium Dejeanium*, 396.
- Caradoc sandstone of Shropshire, Mr. Salter and Mr. Aveline on the, 62.
- Cardium Laytoni*, 157.
- Castlebear Hill, well-section at, 94.
- Castle Hill, section of, 83; fossils from, 84.
- Cawsand Bay, Mr. Horner on some intrusive rocks in, 359.
- Cecidomium grandævum*, 394.
- Central India, fossils from, 371, 471, 472, 473; geology of, 55, 470.
- Cercopidium Hahnii*, 396.
- *Mimas*, 394.
- Cercopidium Schaefferi*, 396.
- *Signoretii*, 396.
- *Telesphorus*, 394.
- Cerithium Bowerbanki*, 159.
- *gracile*, 159.
- *Lunnii*, 159.
- Cerithium limestone of the Mayence Basin, 266.
- Chalk, Mr. Prestwich on some swallow-holes in, 222; sand-pipes in the, 231, 241, 474.
- Chambers, R., on the drift of Scotland, noticed, xlvi.
- Chelmsford, well-section at, 154.
- Chenendopora fungiformis, 194.
- Cheney Longville, section at, 70.
- Chesham, section at, 90.
- Chiswick, well-section at, 147.
- Chonetes comoides*, 202.
- Church Preen grits, 68.
- Cicadellium Dipsas*, 394.
- *Psocus*, 394.
- Cimicidium Dallasii*, 395.
- Cinnabar mines in California, 320.
- Clapham Common, well-section near, 141.
- Claremont, well-section at, 146.
- Clarendon Hill, section at, 85.
- Classification of the lower palæozoic rocks, noticed, xxxviii.
- Clay-beds of the Joggins coal-measures, 13.
- Coal, analyses of the Pictou, 43.
- , at Oomrait, India, 55.
- , fossil shells in the, 21, 39.
- measures, Cape Breton, 23; Nova Scotia, 1, 42.
- , Prof. Owen on a fossil reptile in a seam of, 207.
- seams at the Joggins, 13.
- Colney Hatch, well-section at, 145.
- Committee, Report of the Library and Museum, iii.
- Coniferous tree, erect, in the coal, 26, 34.
- Copenhagen fields, London Clay fossils from, 415.
- Corbula Arnouldii*, 155.
- *Regulbiensis*, 157.
- Corethrium Pertinax*, 394.
- Corfe, fossil insects from, 381.
- Cornwall, Mr. Pattison on auriferous quartz in, 247; porphyritic rocks of, 361.
- Coromandel gold-diggings, New Zealand, 322.
- Council, Report of, i.
- Counter Hill, fossils from, 104.
- Cressage shales, 64.
- Cretaceous rocks of Persia, 468; the Bavarian Alps, 352.

INDEX TO THE PROCEEDINGS.

- Cretaceous series, Mr. Prestwich on its relation to the lower tertiaries, 443.
- Croydon, section at, 99.
- Crustacean tracks in the Lingula flags, 208.
- Crystallized gold from Australia, 303.
- Ctenicerium Blissus*, 395.
- *Hylastes*, 395.
- Cumming, J. G., on the superior limits of the glacial deposits in the Isle of Man, 21.
- Curculium Syrichthus*, 393.
- Cwm-eisen gold-works, 244.
- Cyllonium Boisduvalianum*, 395.
- *Hewitsonianum*, 396.
- Cyrena-clay of the Mayence Basin, 265.
- Cyrena cordata*, 158.
- *intermedia*, 155.
- Cythere Kostelensis*, 161.
- *Wetherelli*, 161.
- Cythereis angulatozona*, 162.
- *plicata*, 162.
- Cytheridea Mulleri*, 160.
- Dapedius, Sir P. Egerton on the genus, 367.
- Davidson, T., classification of the Palæobranchiata, noticed, lxii; observations on the Chonetes comoides, 202.
- Davidstowe, auriferous quartz at, 248.
- Dawson, J. W., on the coal-measures of the South Joggins, Nova Scotia, 1; on the structure of the Albion coal-measures, Nova Scotia, 42.
- Deccan, fossil fish from the, 371; geology of parts of the, 55, 470.
- Delesse, A., on the pegmatite of Ireland, 397; on the structure of rocks, noticed, lxxv.
- Dentalium*, fossil, from Herne Bay, 155.
- Description of a fossil mammal from Purbeck, by Prof. Owen, 426; plant by Dr. Hooker, 199; of some fossil fish by Sir P. Egerton, 367; insects by Mr. Westwood, 378; palæobranchiata by Mr. Davidson, 202; reptiles by Prof. Owen, 207, 420, 473; of some fossils from the Woolwich and Reading series by Mr. Morris, 157; of some of the Farringdon fossils by Mr. Sharpe, 194; of some Silurian fossils by Mr. Salter, 73; of the entomostraca of the Woolwich and Reading series by Mr. R. Jones, 160.
- Diamond sandstone of India, 470.
- Diamonds from Australia, 305.
- Dianchora? guttata*, 197.
- Diaperidium Mithrax*, 394.
- Dieppe, Woolwich clay near, 129.
- Dipteronotus cyphus*, 369.
- Diss, fish-remains in flints near, 334.
- Dogmersfield Park, well-section at, 97.
- Dol-y-frwynog gold-works, 245.
- Donation Fund, Award of the, xxi.
- Donations, vi, 57, 225, 335, 483.
- Dorchester, insect-remains from near, 384, 481.
- Dorsetshire, insect-remains from, 381, 481; Rev. Mr. Brodie on the Purbeck insect-beds of, 477.
- Dragon-fly, fossil, from Stonesfield, 380; from Purbeck, 383, 390.
- Drift deposits of California, 317; of Rainy Lake, 221; of the Bavarian Alps, 356; of the Isle of Man, 211; of the Isle of Wight, 51; of the Nene Valley, 343; of Victoria, 302; of Yedmandale, 329.
- Druid sandstones, Mr. Prestwich on the, 123.
- Durdlestone Bay, fossil insects from, 385; fossil reptiles and mammals from, 420.
- Edwards, F. E., list of Bracklesham fossils, 450.
- Egerton, Sir P., Palichthyologic Notes, No. 6, 367; No. 7, 371; No. 8, 374; Postscript to Palichthyologic Note, No. 4, 367.
- Egypt, fossil fish from, 374.
- Elaterium Pronœus*, 393.
- *Triopas*, 395.
- *Barypus*, 395.
- Elevation of the Bavarian Alps, Mr. Schlagintweit on the, 353; of the Himalaya, Captain Strachey on the, 250.
- Elvan rocks of Cornwall, 361.
- England, tertiaries of, compared with those of France and Belgium, 455.
- Entomostraca, fossil, of the Woolwich and Reading series, 160.
- Epsom, section at, 98.
- Erect Calamites, 35; trees in the coal-measures, 26.
- Erratics of the Bavarian Alps, 356.
- See also Drift.
- Ewhurst, section at, 97.
- Excavation of Valleys, Mr. Sorby on the, 328.
- Farringdon fossils, description of some, by Mr. Sharpe, 194; gravels, Mr. Sharpe on the age of the, 176; table of the fossils from the, 189.
- Fern-leaf*, fossil, from Counter Hill, 156.
- Fernham, fossiliferous gravel of, 178.
- Fir-cone*, fossil, from the Reculvers, 156.
- Fish, fossil, from Mokattam, Egypt, 374;

INDEX TO THE PROCEEDINGS.

- from the Deccan, 371; from the New Red Sandstone, 367.
- Fish-remains* from the Woolwich and Reading series, 156.
- Fish-remains* in flint, 334.
- Flint, *fish-remains* in, 334.
- Foot-tracks in the rocks at Hastings, 456.
- Forbes, Prof. E. (President), Address on presenting the Wollaston Medal to Dr. Griffith, xix; Address on presenting the Donation Fund Award to Mr. S. P. Woodward, xxi; Anniversary Address, xxii. *Notices of Deceased Fellows*: Baron Leopold von Buch, xxii; Mr. H. E. Strickland, xxv; Mr. C. Stokes, xxvi; Mr. A. Robertson, xxviii; Mr. H. W. Taylor, xxviii; M. Barrande's work on the Silurian system of Bohemia, xxix; the Silurian rocks of Bohemia, xxx; their classification, and their fauna compared with that of the British, American, and other Silurian strata, xxxi; M. Barrande and Mr. Salter on the metamorphosis of Trilobites, xxxvii; geology of the British Isles, xxxvii; classification of the lower palæozoic rocks, by Profs. Sedgwick and McCoy, xxxvii; and by the Geological Surveyors, xxxviii; Prof. Ramsay's researches in the Permian and New Red rocks, xl; Prof. Morris's researches in the oolites, xl; Prof. Buckman's researches in the cornbrash, xli; Mr. Sharpe's researches in the Farringdon sands, xlii; Mr. Prestwich's researches in the Woolwich and Reading series, xlii; Prof. E. Forbes's and the Marchioness of Hastings' researches in the fluvio-marine series of the Isle of Wight, xlii; Mr. Trimmer's researches in the superficial deposits, xlviii; Rev. Mr. Thorpe's researches in the gravels of Yorkshire and Nottinghamshire, xlv; Prof. Phillips's researches in the Yorkshire drift, xlv; The Duke of Argyll's researches in the crystalline rocks of the Highlands, xlv; Prof. Harkness's researches in the Silurians of South Scotland, xlv; Mr. R. Chambers's researches in the drift of Scotland, xlvi; the researches of Mr. Willson, Mr. Kelly, Mr. Medicott, Prof. Haughton, Mr. Jukes, Mr. Wyley, and Dr. Griffith, in Ireland, xlvii; Geology of British Colonies and Possessions, xlviii; papers on India, W. Indies, Labuan, Canada, Nova Scotia, Arctic coasts, and Victoria gold-fields, in the Journal of the Society, xlviii; geology of the W. Indies, xlix; researches in India, by Dr. Fleming, Capt. Young, Dr. Kelaart, and the Rev. Messrs. Hislop and Hunter, xlix; Count d'Archiac's and M. J. Haime's work on the fossils of the nummulitic rocks of India, noticed, 1; Dr. Hooker's Himalayan Journals, noticed, 1; geological surveys of the Colonies, li; progress of geology abroad, li; M. d'Archiac's 'Progrès de la Géologie,' noticed, lii; M. C. Ribeiro's researches in Portugal, lii; MM. De Verneuil's and Colomb's researches in Spain, lii; Mr. Austen's researches in the palæozoic rocks of the Boulonnais, liii; MM. Steininger's and Sandberger's researches in the Devonian rocks of the Rhenish Provinces, liv; M. Hébert's researches in the calcaire pisolitique, liv; Mr. Prestwich's researches in the Rilly limestone, lv; M. Sandberger's researches in the Mayence tertiaries, lvi; organic remains, lvi; Prof. Morris's Catalogue of British Fossils, noticed and analysed, lvi; British fossil plants, lvi; amorphozoa, lvi; foraminifera, lvii; zoophyta, lviii; bryozoa, lvii; echinodermata, lvii; annelida, lvii; cirripedia, lvii; crustacea, lviii; insecta, lviii; palliobranchiata, lviii; monomyaria, lviii; the publications of the Palæontographical Society, lviii; MM. M.-Edwards and J. Haime on British Devonian corals, noticed, lix; Mr. D. Sharpe on the mollusca of chalk, noticed, lx; MM. Morris and Lycett on the great oolite mollusca, noticed, lxi; Prof. Owen on the Purbeck and Wealden chelonia, noticed, lxi; Mr. S. Wood on the crag mollusca, noticed, lxi; Mr. Davidson on the palliobranchiata, noticed, lxii; MM. d'Archiac's and J. Haime's monograph on nummulites, noticed, lxiv; their species, lxiv; the history of their study, lxv; their zoological relations, lxvi; their geological value, lxvii; discovery of a land-shell in the coal, lxviii; discovery of labyrinthodont reptiles in the coal, lxix; permian palæontology (Germany), lxi; Dr. Hörnes' monograph on the miocene mollusca of the Vienna Basin, noticed, lxi; researches in fossil botany, lxx; by Göppert, lxxi; by MM. Ettingshausen, Heer, and de Zigno, lxxii; by MM.

INDEX TO THE PROCEEDINGS.

- Dawson, Poole, and Tate, lxxiii; petrological inquiries, lxxiii; Mr. Sorby on slaty cleavage, noticed, lxxiii; on the evidence of the drift currents in sandstone, noticed, lxxiv; on the structure of limestones, noticed, lxxv; M. Delesse on granites and the rocks of the Vosges, noticed, lxxv; M. d'Archiac on petrological changes, noticed, lxxvi; Mr. Tylor on changes of the sea-level, noticed, lxxvi; text-books, lxxvi; conclusion, lxxvii; the manifestation of polarity in time, the relation between the palæozoic and the neozoic faunas being that of polarity, lxxviii.
- Formicium Brodiei*, 393.
- Fossil animal remains from the Joggins coal-measures, 37.
- fish from the Deccan, 371; from the New Red Sandstone of Bromsgrove, 367.
- insects in the Wealden, Messrs. Binfield on the discovery of, 171; Mr. Westwood's description of some, 378.
- Isopods from Dorset and Wilts, 385, 480.
- plants, foreign researches in, noticed, lxx; from India, 471, 472; from Madeira, 326; from Reading, Dr. Hooker on the, 163; from the coal, Mr. Dawson on the, 30; Dr. Hooker on the, 201.
- reptile from Central India, 473; from Nova Scotia, 207; reptiles and mammals from the Purbeck, 420.
- Fossils from Acton Scott and Cheney Longville, 67; Bishopstone Ravine, 111; Boughton, 109; Bracklesham, 450; Castle Hill, Newhaven, 84; Counter Hill, 104; Horderley, 66; Minton, Bogmine, &c., 69; near Woolwich, 102; New Cross, 104; Richborough, 113; Shineton and Harnage, 64; Sundridge Park, 100; Upnor, 108; the Farringdon gravels, 189; the Hoar Edge grits, 65; the lower greensand of Furze Hill, Farringdon, 178.
- from the mammaliferous gravels at Orton, 346; Pentamerus limestone, 70; Trinucleus shales, 68; the Victoria Docks, 435; Wenlock shale, 71; West India Docks, 432; Woolwich and Reading series, 155.
- of the Bracklesham series, 450; Mayence tertiaries, 274; London Clay, 411.
- oolitic, from the Farringdon gravels, 180; of the Bavarian Alps, 349.
- Fossils, secondary, from Nagpur, 472; from Persia, 468.
- , Silurian, description of some, by Mr. Salter, 73.
- , tertiary, from Nagpur, 471; from Persia, 465.
- France, tertiaries of, 455.
- Furrows and sand-pipes, Mr. Trimmer on, 231, 474.
- Furze Hill, Farringdon, lower greensand of, 178.
- Gelatinous silica in the mottled clays, 123.
- Gems from Australia, Mr. Stephen on, 303.
- Geology of California, Mr. Wilson on the, 308; Nagpur, MM. Hislop and Hunter on the, 470; part of India, Lieut. Sankey on the, 55; parts of Madeira, Sir C. Lyell on the, 325; Rainy Lake, Dr. Bigsby on the, 215; the Bavarian Alps, Dr. Schlagintweit on the, 346; Himalaya, Capt. Strachey on the physical, 249; Mayence Basin, Mr. Hamilton on the, 254; Merioneth gold-district, Prof. Ramsay on the, 242; Mount Alexander district, Mr. Selwyn on the, 299; Turko-Persian frontier, Mr. Loftus on the, 464; Victoria, Mr. E. Hopkins on the, 324.
- Glacial deposits in the Isle of Man, Rev. Mr. Cumming on the, 211.
- scratchings in the Alps, 358; in the Isle of Man, 213.
- Gold-bearing quartz in Cornwall, 247; rocks of California, 308; of New Zealand, 322; of North Wales, 242; of Victoria, 299, 324.
- Gold-crystals from Australia, 303.
- Gold diggings in California, 308; New Zealand, 322; Victoria, 299, 324.
- Granite of Mount Alexander, 299.
- Gravels and sands of Farringdon, 176.
- Gravels, mammaliferous, of the Nene Valley, 343.
- Green sand in the Woolwich and Reading series, Mr. Prestwich on the, 122.
- Grey-wethers of Wiltshire, 125.
- Griffith, Dr. R., reply to the President on the awarding of the Wollaston Medal, xx.
- Gryllidium Oweni*, 395.
- Gypsiferous rocks of Persia, 465.
- Halsted, well-section at, 154.
- Hamilton, W. J., on the geology of the Mayence Basin, 254.
- Hampshire district, Woolwich and Reading series in the, 80.
- Hampstead, London Clay fossils from, 415.

INDEX TO THE PROCEEDINGS.

- Hanwell, well-section at, 94.
Harpalidium Anaetus, 393.
 — *Nothrus*, 395.
- Hastings, Marchioness of, researches, noticed, xliii.
- Hastings, discovery of fossil insects at, 171; ichnites on the rocks at, 456; section of the coast at, 174.
 — sands, fossil insects from the, 382.
- Haverstock Hill, fossils from, 415.
- Headon Hill, Mr. Prestwich's correction of his list of shells from, 138.
- Heaphy, C., on the Coromandel gold-diggings in New Zealand, 322.
- Hébert, M., on the calcaire pisolitique, noticed, liv.
- Helopidium Neoridas*, 395.
Helopium Agabus, 393.
- Herne Bay, section near, 111.
- Hertford, section near, 92.
- Hertfordshire pudding-stone, Mr. Prestwich on the, 125.
- Heterocerca fish, Sir P. Egerton on, 368.
- Highclere, section at, 96.
- Highgate, fossils from, 414.
- Himalaya, Capt. Strachey on the physical geology of the, 249.
- Hippuritidæ, Mr. Woodward on the, 397.
- Hislop, S., and R. Hunter, on the geology of the neighbourhood of Nagpur, 470.
- Historical sketch of the Joggins coal-measures, 15.
- Hoar Edge grits, 62.
- Hoddesden, well-section at, 146.
- Holloway, fossils from, 415; well-section at, 144.
- Homocerca fish, Sir P. Egerton on, 368.
- Hooker, J. D., Himalayan Journals, noticed, 1; on a new species of *Volkmannia*, 199; on the fossil plants from Reading, 163.
- Hopkins, E., on the geological formation and gold-bearing rocks of Victoria, 324.
- Hordeley flags, 65.
- Horner, L., on fossil fish from Egypt, 377; on some intrusive igneous rocks in Cawsand Bay, near Plymouth, 359.
- Hornsey, fossils from, 415; well-section at, 145.
- Hoxton, well-section at, 144.
- Hunter, R., and S. Hislop, on the geology of Nagpur, 470.
- Hydrate of alumina in the Woolwich and Reading series, 84, 123.
- Hydrobia Parkinsoni*, 160.
 — *Websteri*, 160.
- Hymenocaris vermicauda*, tracks of, in the Lingula flags, 210.
- Ichthyolites from Bromsgrove, 367; from Mokattam, 374; from the Decan, 371.
- Igneous rocks in California, Mr. Wilson on, 315, 319; in Cawsand Bay, Mr. Horner on, 359; in Victoria, Mr. Selwyn on, 301.
- India, fossils from, 371, 470, 473; geology of parts of, 55, 249, 470.
- Insect-beds of the Purbecks, Rev. Mr. Brodie on the, 475.
- Insect-remains from the Hastings sand, 382; from the lias, 381; from the Purbecks, 382; from the Stonesfield slate, 379; from the tertiary clay at Corfe, 381; in the Wealden, 171, 382.
- Ireland, the pegmatite of, 357.
- Isle of Man, glacial deposits in the, 211.
- Isle of Sheppey, Mr. Prestwich on the, 404; Mr. Weston on the, 399.
- Isle of Wight, Mr. Prestwich on the tertiaries of the, 137; Mr. Trimmer on the superficial deposits of the, 51; tertiaries of the, noticed, xlii.
- Isleworth, well-section at, 146.
- Islington, London Clay fossils from, 415.
- Isopods, fossil, from the Purbecks, 385, 480.
- Joggins, Mr. Dawson on the coal-measures of the, 1.
- Jones, T. R., on the entomostraca of the Woolwich and Reading series, 160.
- Jurassic rocks of the Bavarian Alps, 349.
- Kamptee, coal deposits of, 55.
- Kembridge, section at, 82.
- Kensington, well-section at, 147.
- Kinley grits, 68.
- Kotah, Dr. Bell on the geology of, 374.
- Labyrinthont reptile from Mangali, India, 473; in Pictou coal, Prof. Owen on a, 207.
- Lake La Pluie, geology of, 215.
- Lambeth, well-section at, 141.
- Lava rocks of Victoria, 301; of Madeira, 327.
- Leighton shales, 64.
- Lepidoptera, fossil, from Purbeck, 387, 390.
- Lepidosteus*, fossil remains of, 156.
- Lepidotus breviceps*, 372.
 — *longiceps*, 371.
- Lias, fossil insect from the, 381; of the Bavarian Alps, 347.
- Libellulum Agrias*, 394.
 — *Kaupii*, 395.
- Library Committee, Report of, iii.
- Lignite in the Woolwich and Reading series, 123.

INDEX TO THE PROCEEDINGS.

- Lima Farringtonensis*, 198.
 Lingula flags, auriferous, in Merionethshire, 243; Mr. Salter on crustacean tracks in the, 208.
 List of the organic remains of the Bracklesham series, 450; the Bognor rocks, 418; the London Clay, 411; the Mayence Basin, 274; the Woolwich and Reading series, 117. *See also* Table.
 Lithological structure of the Woolwich and Reading series, 121.
 Little Coxwell, fossiliferous gravels of, 178.
 Littorinella-limestone of the Mayence Basin, 268.
 Loftus, W. K., on the geology of the Turko-Persian frontier, 464.
 Logan's, Mr., section of the coal-measures at the Joggins, 39.
 Longlane flags, 65.
 London Clay and Bracklesham Sands, compared, 435; fossils of the, 411; Mr. Prestwich on the, 401.
 — district, Woolwich and Reading series in the, 84.
 — Tertiaries, Mr. Prestwich on the, 437.
 —, well-sections at, 142, 143, 149.
Lopholepis Hagenovii, 196.
 Lower London Tertiaries, Mr. Prestwich on the, 77.
 Lyell, Sir C., on the geology of some parts of Madeira, 325.
Macellodus Brodiei, 422.
 Madeira, Sir C. Lyell on the geology of, 325.
 Magdeburg tertiaries, 292.
 Mammalian remains from the Purbecks, 420; from the Valley of the Nene, 343.
 Mammaliferous deposits near Peterborough, 343.
 Mangali, fossil reptile from, 473.
Manon Farringtonense, 196.
 — *macropora*, 195.
 — *peziza*, 194.
 — *porcatum*, 196.
 Map, geological, of the Mayence Basin, 256; of Upper California, 309.
 Marine sands of the Mayence Basin, 260.
 Marlborough Downs, Druid sandstones of the, 128.
 Mayence Basin, Mr. Hamilton on the geology of the, 254.
 May Hill sandstone, Prof. Sedgwick on the, 366.
 Medal, Award of the Wollaston, xix.
 Merioneth gold district, 242.
 Metamorphic rocks of Mount Alexander, 300.
 Microscopical structure of wood from the Joggins coal-measures, 27, 37.
 Mineral character of the Joggins coal deposits, 10.
 Minerals from Australia, 305.
 Mitcham, well-section at, 139.
Modiola dorsata, 158.
 — *Mitchelli*, 158.
 Modiolæ in the coal, 39.
 Mokattam, Sir P. Egerton on fossil fish from, 374.
 Moorlands of Yorkshire, 328.
 Morris, Prof. J. (and J. Lycett), Mollusca of the great oolite, noticed, lxi; Catalogue of British Fossils, noticed, lvi; description of some new species of fossil shells from the Woolwich and Reading series, 157; on the structure of the oolites, noticed, xl.
 Mortlake, well-section at, 147.
 Mount Alexander, Mr. Selwyn on the geology of, 299.
 Murphy's gold-diggings, 316.
 Muschelkalk of the Bavarian Alps, 347.
 Museum Committee, Report of, iii.
Myrmicium Heerii, 396.
 Nagpur, Central India, MM. Hislop and Hunter on the geology of, 470.
Nautilus Farringtonensis, 198.
 Nene Valley, mammaliferous gravels of the, 343.
Nepidium Stolones, 396.
 Nettlebed, section at, 89.
 Newbury, gravels near, 129; section near, 87.
 New Cross, fossils, from, 104; section at, 104.
 Newhaven, section at, 83.
 New Red Sandstone, fish from the, 367.
 New Zealand, Mr. Heaphy on the gold-diggings in, 322.
 Norfolk, fish-remains in the flints of, 334; sand-pipes in, 236.
 North Wales, Prof. Ramsay on the gold-district of, 242; Prof. Sedgwick on the palæozoic rocks of, 366.
 Notting Dale, well-section at, 96.
 Nova Scotia, fossil reptile in coal from, 207; coal-measures of, 1.
Nucula varicosa, 75.
 Nummulites, zoology and geology of, noticed, lxiv.
 Nummulitic limestone, fossil fish from the, 374; rocks of Persia, 466.
Nuthetes destructor, 420.
 Nymph stone, the, at Silchester, 124.
 Onny, River, section at, 70.
 Oomrait, coal at, 55.
 Organic remains of the Woolwich and Reading series, Mr. Prestwich on the, 113, 133. *See also* Fossils.

INDEX TO THE PROCEEDINGS.

- Ormithoidichnites of the Wealden, Mr. Beckles on the, 456.
- Orpington, section at, 100.
- Orton, mammaliferous gravels at, 343.
- Ossiferous sand of the Mayence Basin, 272.
- Owen, Prof., description of the cranium of a Labyrinthodont reptile from Mangali, Central India, 473; on a fossil imbedded in a mass of Pictou coal from Nova Scotia, 207; on some fossil reptilian and mammalian remains from the Purbecks, 420; Purbeck and Wealden Chelonia, noticed, lxi.
- Pachmurrra, coal-deposits of, 56.
- Palæozoic system, Prof. Sedgwick on the, 366.
- Paludina lenta*, 160.
- Panorpidium tessellatum*, 394.
- *tessellatum*, var., 395.
- Patella*, fossil, from Sundridge, 155.
- Patmore Heath, section at, 92.
- Pattison, S. R., on auriferous quartz in North Cornwall, 247.
- Pebble Hill, section at, 85.
- Peel River, gems from, 305.
- Pegmatite of Ireland, 397.
- Pentamerus limestone, 69.
- Permian palæontology, noticed, lxi.
- Persian frontier, Mr. Loftus on the geology of the, 464.
- Perwick Bay, coast-section at, 213.
- Peterborough, Mr. Trimmer on mammaliferous gravels near, 343.
- Phryganæidivum Pytho*, 396.
- Physical features of the Woolwich and Reading series, 78.
- Physical geology of the Himalaya, 249.
- Pictou, fossil reptile in the coal of, 207; coal-measures, 42.
- Pinner, section at, 95.
- Pipes and furrows, Mr. Prestwich on, 241; Mr. Trimmer on, 237, 474.
- Plants, fossil, from India, 471, 472. See also Fossil plants.
- Plicatula inæquidens*, 197.
- Plymouth, Mr. Horner on some igneous rocks near, 309.
- Poacites, 36.
- Polished rock-surfaces on the Bavarian Alps, 358.
- Poole, H., Journals of the Exploratory works at the Albion coal-mines; Nova Scotia, 42.
- Porphyritic rocks of Cornwall, 361.
- Port Hood, coal-seams at, 23.
- Port St. Mary, coast-section at, 213.
- Porto Santo, Sir C. Lyell on the geology of, 328.
- Precious stones from Australia, 305.
- President, Anniversary Address of the, xxii. See also Forbes, Prof. E.
- Prestwich, J., on some swallow-holes on the chalk hills near Canterbury, 222; on the correlation of the lower tertiaries of England with those of France and Belgium, 454; on the distinctive physical and palæontological features of the London clay and the Bracklesham sands, and on the independence of these two groups of strata, 435; on the lacustrine limestone of Rilly, noticed, lv; on the origin of the sand and gravel pipes in the chalk of the Loudon tertiary district, 241; on the structure of the strata between the London clay and the chalk, part ii., 75; on the thickness of the London clay, on the relative position of the fossiliferous beds of Sheppey, &c., and on the probable occurrence of the Bagshot sands in Sheppey, 401; on the Reading and Woolwich series, noticed, lxii.
- Primrose Hill, fossils from, 415.
- Proceedings at a Special General Meeting, 397; at the Annual General Meeting, xix.
- Productus giganteus*?, 206.
- *horridus*, 206.
- *longispinus*, 206.
- Psammobia*? *Condamini*, 158.
- Pudding-stone of Hertfordshire, Mr. Prestwich on the, 125.
- Purbeck, insect-remains from, 382, 480; Prof. Owen on reptilian and mammalian remains from, 420.
- Quartz, auriferous, in Australia, 301; in California, 314, 316; in Cornwall, 247.
- Quicksilver in California, 320.
- Radiolite, Mr. Woodward on the, 398.
- Rainy Lake, Dr. Bigsby on the geology of, 215.
- Ramsay, A. C., on the geology of the gold-bearing district of Merionethshire, North Wales, 242; on the palæozoic rocks, noticed, xl.
- Range of the Woolwich and Reading series, 78.
- Raphidium Brepfos*, 395.
- Reading and Woolwich series, 75.
- , fossil plants from, 163; sections near, 87, 88.
- Relations of the London and Hampshire tertiary systems, 137.
- Reptile, fossil, from Central India, 473; in the coal of Pictou, 207; in the coal of the Joggins, 22.
- Reptilian remains from the Purbecks, 420.

INDEX TO THE PROCEEDINGS.

- Report of Council, i.
 Report of Library and Museum Committee, iii.
 Rhine Valley, Mr. Hamilton on the ancient drainage of the, 298.
 Richborough, fossils from, 113.
 Ridgway, fossil insects from, 384, 481.
 Ripple-mark in the Cape Breton coal-measures, 23; in the Hastings sand-rock, 458.
 Robertson, A., notice of, xxviii.
 St. Leonard's, fossil insects at, 173; section at, 174.
 Salisbury Plains, Druid sandstones of, 128.
 Salter, J. W. (and W. T. Aveline), on the Caradoc sandstone of Shropshire, 62; description of some Silurian fossils, 73; on the tracks of a crustacean in the Lingula flags, 208.
 Sand-pipes, Mr. Prestwich on, 241; Mr. Trimmer on, 231, 474.
 Sands and gravels of Farringdon, Mr. Sharpe on the age of the, 176.
 Sandstones of the Joggins coal-measures, 11.
 San Francisco, Bay of, 320.
 Sankey, Lieut., on the geology of some parts of Central India, 55; noticed, l.
 Sarsen sandstones, 123.
 Schlagintweit, A., on the geological structure of part of the Bavarian Alps, with remarks on the erratic phenomena, 346.
 Sectional list of the coal-strata of the Joggins, 2.
 Section across California, 310; at Gaytonthorpe, 239; at the Victoria Docks, 435; at the West India Docks, 433; general, of the Caradoc sandstones, 73; near Dartford, 235; of Mount Alexander, 300; of the auriferous rocks in Merioneth, 243; of the Hastings coast, 174; of the insect-beds in Wilts, 476; of the main-coal at Pictou, 47; of the Mayence tertiaries, 265; of the Purbeck insect-beds in Dorset, 478.
 Sections at the trial-pits of the Albion coal-mines, 47; of sand-pipes in Norfolk, 236; of the Isle of Sheppey, 400, 405; of the London clay, 404; of the valley of Yedmandale, 331.
 Sedgwick, Prof. A., on the May Hill sandstone and the palæozoic system of the British Isles, 366; on the palæozoic rocks, noticed, xl.
 Seed-vessel, fossil, from Counter Hill, 156.
 Selwyn, A. R. C., on the geology and mineralogy of Mount Alexander, 299.
Serpula, fossil, from Sundridge, 156.
 Shales of the Joggins coal-measures, 10.
 Sharpe, D., mollusca of the chalk, noticed, lx; notes on some of the Farringdon fossils and descriptions of some new species of the zoophytes and molluscs, 194; on the age of the fossiliferous sands and gravels of Farringdon, 176; noticed, xlii.
 Sheppey, Isle of, fossils of the, 411; Mr. Prestwich on the, 404; Mr. Weston's notice of the, 399.
 Shropshire, Caradoc sandstone of, 62.
Sialium Sipyhus, 396.
 Sibdon flags, 65.
 Sigillaria, 30.
 Silica, soluble, in the Woolwich and Reading clays, 123.
 Silurian fossils, description of some, 73.
 — limestone at Rainy river, 221.
 — rocks of Bohemia, noticed, xxxi.
Simulidium priscum, 394.
 Siwalik Hills, physical geology of the, 253.
 Sonning Hill, section at, 89.
 Sonora, gold-diggings at, 308, 312, 316.
 Sorby, H., on slaty cleavage, deposition of sandstone, and structure of limestones, noticed, lxxiii; on Yedmandale, as illustrating the excavation of some valleys in the eastern part of Yorkshire, 328.
 Southwark, well-section at, 141.
Spalacotherium tricuspidentis, 426.
 Special General Meeting, 397.
 Stanislaus river diggings, 311.
 Stephen, G. M., on the gems and gold-crystals of the Australian colonies, 303.
 Stigmara, 30.
 Stokes, C., notice of, xxvi.
 Stonesfield, insect-remains from, 379.
 Strachey, R., on the physical geology of the Himalaya, 249.
 Striated rock-surfaces in the Bavarian Alps, 358; in the Isle of Man, 212.
 Strickland, H. E., notice of, xxv.
 Strophomena bipartita, 74.
 Structure of wood in the coal, 37.
 Sullivan's Creek diggings, 308.
 Sulphate of lime in the Woolwich and Reading series, 123.
 Sundridge, fossils from, 100.
 Superficial deposits of the Isle of Wight, 51.
 Sussex, insect-remains in the Wealden of, 171.
 Swallow-holes near Canterbury, Mr. Prestwich on some, 222.
 Swanage, fossil insects from, 382; fossil reptiles and mammals from, 420.

INDEX TO THE PROCEEDINGS.

- Switzerland and Mayence, comparison of the tertiaries of, 289.
- Table of the fossils of the Cerithium-limestone near Mayence, 282; of the Cyrena-clay of the Mayence Basin, 280; of the Littorinella-limestone near Mayence, 284; of the London clay of the Bracklesham beds, 441; of the Mayence freshwater limestone, 281; of the Magdeburg tertiaries, 292; of the marine sands of the Mayence Basin, 274; of the ossiferous sand of the Mayence Basin, 285.
- Tables of the distribution of the species of the Farringdon fossils, 180, 189.
- Tabular Hills of Yorkshire, 328.
- Taylor, H. W., notice of, xxviii.
- Telephorium Abgarus*, 395.
- Tentylidium Peleus*, 393.
- Termitidium ignotum*, 394.
- Tertiaries, lower, Mr. Prestwich on their relation to the cretaceous series, 443. — of England, France, and Belgium, compared, 454.
- Tertiary deposits in England, xlii, 75, 211, 343, 399, 401, 433, 435, 454; of California, 319; of Mayence, 260; of Persia, 465. — insect-remains, 381.
- Tetragonolepis, Sir P. Egerton on the genus, 367.
- Thorp, Rev. W., on the gravels of Yorkshire and Nottinghamshire, noticed, xliv.
- Tolland's Bay, Isle of Wight, superficial deposits at, 53.
- Tracks of a crustacean on the Lingula flags, Mr. Salter on the, 208.
- Trial-pits of the Albin coal-mines, sections at the, 47.
- Trimmer, J., additional observations on sand-pipes, 474; on pipes and furrows in calcareous and non-calcareous strata, 231; on some mammaliferous deposits in the Valley of the Nene, near Peterborough, 343; on the superficial deposits of the Isle of Wight, 51.
- Trinucleus shales, 68.
- Turko-Persian frontier, geology of the, 464.
- Twyford, well-section at, 95.
- Under-clays at the Joggins, 13.
- Uniones in the coal, 39.
- Upnor, fossils from, 108; sections at, 107.
- Valleys, Mr. Sorby on the formation of, 328.
- Vegetable remains* from Counter Hill, 156.
- Verticillipora anastomosans*, 195.
- Victoria Docks, section at the, 435.
- Victoria, gems and gold from, 305; gold district of, 299; Mr. Hopkins on the geology of, 324; Mr. Selwyn on the geology of part of, 299.
- Vienna and Mayence Basin, comparison of the tertiaries of the, 291.
- Vienna Basin, miocene molluscs of, noticed, lxix.
- Volkmania, Dr. Hooker on a new species of, 199.
- Volkmania Morrisii*, 199.
- Waltham Cross, well-section at, 145.
- Wandsworth, well-sections near, 139, 140.
- Watford, section near, 91.
- Wealden rocks, insects in the, 171, 378, 382; ichnites in the, 456.
- Websterite in the Woolwich and Reading series, 84, 123.
- Weinheim, tertiary beds near, 261.
- Well-sections in the London tertiaries, 139.
- Westbourne Grove, well-section near, 96.
- West Ham, well-section at, 152.
- West India Docks, Mr. Blanford on a section at the, 433; well-section at the, 152.
- Westminster, well-sections in, 148.
- Weston, C. H., geological notices of the Isle of Wight, and of its outlier of Bagshot sand, 399.
- Westwood, J. O., contributions to fossil entomology, 378.
- Whetstone, London Clay fossils from, 415.
- Wickham, section at, 86.
- Wilson, J., on the gold-regions of California, 308.
- Wiltshire, Mr. Prestwich on the Druid sandstones of, 125; Rev. Mr. Brodie on the Purbeck insect-beds of, 475.
- Winchmore Hill, well-section at, 145.
- Wollaston Medal, Award of the, xix.
- Wood in the coal, structure of, 37.
- Wood, S., mollusca of the Crag, noticed, lxi.
- Woodward, S. P., reply to the President on the awarding of the Donation Fund, xxi; on the structure and affinities of the Hippuritidæ, 397.
- Woolwich and Reading series, Mr. Prestwich on the, 75.
- , fossils from, 102; section near, 101.
- Yedmandale, Mr. Sorby on, 328.
- Yorkshire, Mr. Sorby on the formation of valleys in eastern, 328.