

4

GEOLOGICAL LITERATURE

ADDED TO THE

57

GEOLOGICAL SOCIETY'S LIBRARY

DURING THE

Year ended December 31st, 1896.

COMPILED BY

THE ASSISTANT-LIBRARIAN

[*Compilation closed Dec. 21st, 1896*]]

AND EDITED BY

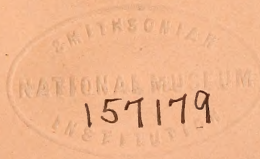
THE ASSISTANT-SECRETARY.



GEOLOGICAL SOCIETY,
BURLINGTON HOUSE,
LONDON.

1897.

Price 2s.





GEOLOGICAL LITERATURE

ADDED TO THE SOCIETY'S LIBRARY DURING THE
YEAR ENDED DECEMBER 1896.

* indicates that the work has been purchased by the Society.

All the other works in the list have either been presented to the Society by the Authors, Editors, or Publishers; or have been obtained in exchange for the Society's publications.

(A.C.=Author's copy.)

- Abh. k.-k. geol. Reichsanst.* Abhandlungen der kaiserlich-königlichen geologischen Reichsanstalt. Vienna.
- Abh. k.-preuss. Akad. Wissensch.* Abhandlungen der königlich-preussischen Akademie der Wissenschaften. Berlin.
- **Abh. k.-preuss. geol. Landesanst.* Abhandlungen der königlich-preussischen geologischen Landesanstalt. Berlin.
- Abh. math.-phys. Cl. k. bayer. Akad. Wiss.* Abhandlungen der mathematisch-physikalischen Classe der königlich-bayerischen Akademie der Wissenschaften. Munich.
- **Abh. schweiz. paläont. Gesell.* Abhandlungen der schweizerischen paläontologischen Gesellschaft. Basel, &c.
- Abh. senckenb. naturf. Gesell.* Abhandlungen herausgegeben von der senckenbergischen naturforschenden Gesellschaft. Frankfurt-am-M.
- Actes Soc. Linn. Bordeaux.* Actes de la Société Linnéenne de Bordeaux. Bordeaux.
- Actes Soc. sci. Chili.* Actes de la Société scientifique du Chili. Santiago.
- Alabama Geol. Surv.* Alabama Geological Survey. Montgomery (Ala.).
- **Am. Geol.* American Geologist. Minneapolis.
- Am. Journ. Sci.* American Journal of Science. New Haven (Conn.).
- Am. Meteorol. Journ.* American Meteorological Journal. Boston (Mass.).
- Am. Nat.* American Naturalist. Philadelphia.
- An. Mus. La Plata.* Anales del Museo de La Plata. La Plata.
- An. Mus. Nac. Buenos Aires.* Anales del Museo Nacional de Buenos Aires. Buenos Aires.
- An. Soc. cient. Argent.* Anales de la Sociedad científica Argentina. Buenos Aires.
- Analyst.* Analyst (Society of Public Analysts). London.
- Ann. Botany.* Annals of Botany. Oxford.
- Ann. Géol. et Paléont., Palerme.* Annales de Géologie et de Paléontologie. Palermo.
- Ann. géol. min. Russie.* Annuaire géologique et minéralogique de la Russie. Warsaw.
- Ann. géol. univ.* Annuaire géologique universel. Paris.
- Ann. k.-k. naturhist. Hofmus. Wien.* Annalen des k.-k. naturhistorischen Hofmuseums. Vienna.
- **Ann. Mag. Nat. Hist.* Annals and Magazine of Natural History. London.
- Ann. Mines. Paris.* Annales des Mines. Paris.
- Ann. Mus. Roy. Hist. nat. Belg.* Annales du Musée Royal d'Histoire naturelle de Belgique. Brussels.
- Ann. New York Acad. Sci.* Annals of the New York Academy of Sciences. New York.
- Ann. Progr. Rep. Geol. Surv. Queensland.* Annual Progress Report of the Geological Survey of Queensland. Brisbane.

- Ann. Rep. Depart. Geology Indiana.* Annual Report of the Department of Geology and Natural Resources. Indianapolis.
- Ann. Rep. Depart. Lands, N.S.W.* Annual Report of the Department of Lands, New South Wales. Sydney.
- Ann. Rep. Depart. Mines, N.S.W.* Annual Report of the Department of Mines and Agriculture, New South Wales. Sydney.
- Ann. Rep. Geol. Surv. Canada.* Annual Report of the Geological Survey of Canada. Ottawa.
- Ann. Rep. Geol. Surv. New Jersey.* Annual Report of the Geological Survey of New Jersey. Trenton (N.J.).
- Ann. Rep. Michigan Mining School.* Annual Report of the Director of the Michigan Mining School. Houghton (Mich.).
- Ann. Rep. Notts Nat. Soc.* Annual Report and Transactions of the Nottingham Naturalists' Society. Nottingham.
- Ann. Rep. Smiths. Inst. Rep. U.S. Nat. Mus.* Annual Report of the Board of Regents of the Smithsonian Institution. Report of the U.S. National Museum. Washington (D.C.).
- Ann. Rep. State Geologist, New York.* Annual Report of the State Geologist for New York. Albany.
- Ann. Rep. U.S. Geol. Surv.* Annual Report of the United States Geological Survey. Washington (D.C.).
- Ann. Rep. Wellington Coll. Nat. Sci. Soc.* Annual Report of the Wellington College Natural Science Society. Wellington College (Berks).
- Ann. Rep. Yorks Phil. Soc.* Annual Report of the Yorkshire Philosophical Society. York.
- **Ann. Sci. nat. (Zool. & Palé.).* Annales des Sciences naturelles. Zoologie et Paléontologie. Paris.
- Ann. Soc. géol. Belg. Liège.* Annales de la Société géologique de Belgique. Liège.
- Ann. Soc. géol. Nord.* Annales de la Société géologique du Nord. Lille.
- Ann. Mus. Geol. & Pale., Bucarest.* Anuarulŭ Museului de Geologiã si de Paleontologiã. Bucharest.
- **Arch. f. Anthr. & Geol. Schleswig-Holsteins.* Archiv für Anthropologie und Geologie Schleswig-Holsteins und der benachbarten Gebiete. Kiel.
- **Arch. Mus. Hist. nat. Lyon.* Archives du Muséum d'Histoire naturelle. Lyon.
- Arch. Naturk. Liv-, Ehst- u. Kurlands.* Archiv für die Naturkunde Liv-, Ehst- und Kurlands. (Naturforscher-Gesellschaft bei der Universität Jurjew.) Dorpat.
- Arch. naturw. Landesd. Böhmen.* Archiv der naturwissenschaftlichen Landesdurchforschung von Böhmen. Prague.
- Arch. néerland. Sci.* Archives néerlandaises des Sciences exactes et naturelles, publiées par la Société hollandaise des Sciences à Harlem. Harlem.
- Arch. Sci. phys. et nat. Genève.* Archives des Sciences physiques et naturelles. Geneva.
- Atti R. Acc. Lincei, Rendic.* Atti della Reale Accademia dei Lincei, Rendiconti. Rome.
- Atti R. Acc. Sci. Padova.* Atti e Memorie della Reale Accademia di Scienze, Lettere ed Arti. Padua.
- Atti R. Acc. Sci. Torino.* Atti della Reale Accademia delle Scienze di Torino. Turin.
- Atti R. Ist. veneto Sci.* Atti del Reale Istituto di Scienze, Lettere ed Arti. Venice.
- Atti Soc. tosc. Sci. nat.* Atti della Società toscana di Scienze naturali. Pisa.
- Beitr. geol. Karte Schweiz.* Beiträge zur geologischen Karte der Schweiz. (Geologische Kommission.) Bern.
- Berg-hütt. Jahrb. Wien.* Berg- und hüttenmännisches Jahrbuch der k.-k. Bergakademien zu Leoben und Příbram und der königlich-ungarischen Bergakademie zu Schemnitz. Vienna.
- Ber. naturf. Gesell. Freiburg i. B.* Berichte der naturforschenden Gesellschaft. Freiburg i. B.
- Ber. physiograph. Comm. Krakow.* Berichte [Sprawozdanie] der physiographischen Commission (Akademie der Wissenschaften). Cracow.
- Ber. senckenberg. naturf. Gesell.* Bericht über die senckenbergische naturforschende Gesellschaft. Frankfurt-am-Main.
- Bihang. K. svenska Vet.-Akad. Handl.* Bihang till Kongliga svenska Vetenskaps-Akademiens Handlingar. Stockholm.
- Bol. Acad. Nac. Córdoba.* Boletín de la Academia Nacional de Ciencias de Córdoba. Buenos Aires.
- Bol. Com. Mapa geol. España.* Boletín de la Comisión del Mapa geológico de España. Madrid.

- Bol. Inst. geogr. Argent.* Boletín del Instituto geográfico Argentino. Buenos Aires.
- Bol. Inst. geol. México.* Boletín del Instituto geológico de México. Mexico.
- Bol. Soc. Geogr. Lisbõa.* Boletín da Sociedade de Geographia de Lisbõa. Lisbon.
- Bol. Soc. Nac. Minería, Santiago.* Boletín de la Sociedad Nacional de Minería. Santiago de Chile.
- Boll. R. Com. geol. Ital.* Bollettino del Comitato geologico d'Italia. Rome.
- Boll. Soc. geol. ital.* Bollettino della Società geologica italiana. Rome.
- Bull. Acad. Imp. Sci. St.-Petersb.* Bulletin de l'Académie Impériale des Sciences. St. Petersburg.
- Bull. Calif. State Mining Bur.* Bulletin of the California State Mining Bureau. San Francisco.
- Bull. Com. géol. Russie.* Bulletin du Comité géologique. St. Petersburg.
- Bull. Comm. géol. Finlande.* Bulletin de la Commission géologique de la Finlande. Helsingfors.
- Bull. Geol. Inst. Univ. Upsala.* Bulletin of the Geological Institute of the University of Upsala. Upsala.
- Bull. Geol. Soc. Am.* Bulletin of the Geological Society of America. Rochester (N.Y.).
- Bull. Geol. Surv. Queensland.* Bulletin of the Geological Survey of Queensland. Department of Mines. Brisbane.
- Bull. Geol. Univ. Cal.* Bulletin of the Department of Geology, University of California. Berkeley (Cal.).
- Bull. Ill. State Mus. Nat. Hist.* Bulletin of the Illinois State Museum of Natural History. Springfield (Ill.).
- Bull. Intern. Acad. Sci. Cracovie.* Bulletin International de l'Académie des Sciences. Cracow.
- Bull. Mus. Harvard Coll.* Bulletin of the Museum of Comparative Zoology at Harvard College. Cambridge (Mass.).
- Bull. Mus. Hist. nat. Paris.* Bulletin du Muséum d'Histoire naturelle. Paris.
- Bull. Nat. Hist. Soc. New Brunswick.* Bulletin of the Natural History Society of New Brunswick. St. John (N.B.).
- Bull. N.Y. State Museum.* Bulletin of the New York State Museum. Albany (N.Y.).
- Bull. Phil. Soc. Washington.* Bulletin of the Philosophical Society of Washington. Washington (D.C.).
- Bull. séismol. Observ. Nat. Athènes.* Bulletin mensuel séismologique. Observatoire National d'Athènes. Athens.
- Bull. Serv. Carte géol. France.* Bulletin des Services de la Carte géologique de la France et des Topographies souterraines. Paris.
- Bull. Soc. belge Géol. Brux.* Bulletin de la Société belge de Géologie, de Paléontologie et d'Hydrologie. Brussels.
- Bull. Soc. Études sci. Angers.* Bulletin de la Société d'Études scientifiques d'Angers. Angers.
- Bull. Soc. franç. Min.* Bulletin de la Société française de Minéralogie. Paris.
- Bull. Soc. géol. France.* Bulletin de la Société géologique de France. Paris.
- Bull. Soc. géol. Norm.* Bulletin de la Société géologique de Normandie. Havre.
- Bull. Soc. Hist. nat. Toulouse.* Bulletin de la Société d'Histoire naturelle. Toulouse.
- Bull. Soc. Imp. Nat. Moscou.* Bulletin de la Société Impériale des Naturalistes de Moscou. Moscow.
- Bull. Soc. jersiaise.* Bulletin de la Société jersiaise. Jersey.
- Bull. Soc. Linn. Norm.* Bulletin de la Société Linnéenne de Normandie. Caen.
- Bull. Soc. neuchâtel. Géogr.* Bulletin de la Société neuchâteloise de Géographie. Neuchâtel.
- Bull. Soc. oural. Sci. nat.* Bulletin de la Société ouralienne d'Amateurs des Sciences naturelles. Ekaterinburg.
- Bull. Soc. Sci. nat. Neuchâtel.* Bulletin de la Société des Sciences naturelles de Neuchâtel. Neuchâtel.
- Bull. Soc. vaud. Sci. nat.* Bulletin de la Société vaudoise des Sciences naturelles. Lausanne.
- Bull. U.S. Geol. Surv.* Bulletin of the United States Geological Survey. Washington (D.C.).
- Bull. U.S. Nat. Mus. Washington.* Bulletin of the United States National Museum. Washington (D.C.).
- Canad. Rec. Sci.* Canadian Record of Science. (Natural History Society of Montreal.) Montreal.

- Chem. News.* Chemical News. London.
- Coll. Engin.* Colliery Engineer and Metal Miner. Scranton (Pa.). 1896.
- Coll. Guard.* Colliery Guardian. London.
- Comm. Dir. Trab. geol. Portugal.* Comunicações da Direcção dos Trabalhos geologicos de Portugal. Lisbon.
- C. R. Acad. Sci. Paris.* Comptes-rendus hebdomadaires des Séances de l'Académie des Sciences. Paris.
- **C. R. Assoc. franç. Av. Sci.* Comptes-rendus de l'Association française pour l'Avancement des Sciences. Paris.
- C. R. Soc. géol. France.* Compte-rendu sommaire des Séances de la Société géologique de France. Paris.
- Congr. cient. jeneral Chileno.* Congreso científico jeneral Chileno de 1894. Santiago de Chile.
- Danske Vidensk. Selskab. Nat.-Math. Afh.* Danske Videnskabernes Selskab. Naturvidenskabelige og matematiske Afhandlinger. Copenhagen.
- Depart. Agric., Victoria (Aust.).* Department of Agriculture, Victoria. Melbourne.
- Depart. Mines, Queensland.* Department of Mines, Queensland. Brisbane.
- Denkschr. k. Acad. Wissen. Wien.* Denkschriften der kaiserlichen Akademie der Wissenschaften. Mathematisch-naturwissenschaftliche Classe. Vienna.
- Dir. Trav. géol. Portugal. Mém.* Direction des Travaux géologiques du Portugal. Mémoires. Lisbon.
- Eclogæ Geol. Helv.* Eclogæ Geologicae Helvetiae. Lausanne.
- Engineering.* Engineering. London.
- Erläut. geol. Specialkarte, Sachsen.* Erläuterungen zur geologischen Specialkarte des Königreichs Sachsen. Leipzig.
- Fennia.* Fennia (Société de Géographie de Finlande). Helsingfors.
- Festschr. Naturf. Ver. Riga.* Festschrift des Naturforscher-Vereins zu Riga in Anlass seines 50-jährigen Bestehens am 27. März (8 April) 1895. Riga.
- '*Field*' *Columbian Mus.* 'Field' Columbian Museum Publications. Chicago.
- Final Rep. Geol. Surv. Penn.* Final Report of the Geological Survey of Pennsylvania. Harrisburg.
- Finlands geol. Undersökn.* Finlands geologiska Undersökning. (Kuopio) Helsingfors.
- Földt. Közl.* Földtani Közlöny. [Geological Magazine.] Budapest.
- Geogn. Jahresh. München.* Geognostische Jahreshefte. Munich (Cassel).
- Geogr. Journ.* Geographical Journal (Royal Geographical Society). London.
- Geol. Atlas U.S. Geol. Surv.* Geologic Atlas of the United States. United States Geological Survey. Washington (D.C.).
- Geol. Fören. Stockh. Förh.* Geologiska Föreningens i Stockholm Förhandlingar. Stockholm.
- Geol. Mag.* Geological Magazine. London.
- Geol. Soc. Washington.* Geological Society of Washington. Washington (D.C.).
- Geol. Surv. Canada.* Geological Survey of Canada. Ottawa.
- **Glac. Mag.* Glacialists' Magazine. London.
- Hist. Berwicks. Nat. Club.* History of the Berwickshire Naturalists' Club. Alnwick.
- Ibis.* The Ibis. London.
- Ingeg. sanit.* L'Ingegneria sanitaria. Turin.
- Iowa Geol. Surv.* Iowa Geological Survey. Des Moines (Iowa).
- **Irish Naturalist.* Irish Naturalist. Dublin.
- Jaarb. Mijnw. Ned. O.-Ind.* Jaarboek van het Mijnwezen in Nederlandsch Oost-Indië. Amsterdam.
- **Jahrb. f. Berg- & Hüttenw. Sachsen.* Jahrbuch für das Berg- und Hüttenwesen im Königreiche Sachsen. Freiberg.
- Jahrb. k.-k. geol. Reichsanst.* Jahrbuch der kaiserlich-königlichen geologischen Reichsanstalt. Vienna.
- Jahrb. k.-preuss. geol. Landesanst.* Jahrbuch der königlich-preussischen geologischen Landesanstalt. Berlin.
- Jahrb. nassauisch. Ver. f. Naturk.* Jahrbücher des nassauischen Vereins für Naturkunde. Wiesbaden.
- **Jahrb. Schw.-Alpenclub.* Jahrbuch des Schweizer-Alpenclub. Bern.
- Jahresb. k.-ung. geol. Anst.* Jahresbericht der königlich-ungarischen geologischen Anstalt. Budapest.
- Jahresb. Ver. Erdk. Dresden.* Jahresbericht des Vereins für Erdkunde zu Dresden. Dresden.
- Jahresh. Ver. Naturk. Württ.* Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg. Stuttgart.

- Journ. Acad. Nat. Sci. Philad.* Journal of the Academy of Natural Sciences. Philadelphia (Pa.).
- Journ. Asiat. Soc. Bengal.* Journal of the Asiatic Society of Bengal. Calcutta.
- Journ. Ceylon Branch R. Asiat. Soc.* Journal of the Ceylon Branch of the Royal Asiatic Society. Colombo.
- Journ. Chem. Soc.* Journal of the Chemical Society. London.
- Journ. Cinc. Soc. Nat. Hist.* Journal of the Cincinnati Society of Natural History. Cincinnati (Ohio).
- Journ. City of London Coll. Sci. Soc.* Journal of the City of London College Science Society. London.
- Journ. Coll. Sci. Tokyo.* Journal of the College of Science, Imperial University, Japan. Tokyo.
- **Journ. Conch., Leeds.* Journal of Conchology (Conchological Society). Leeds.
- **Journ. de Conch. Paris.* Journal de Conchyliologie. Paris.
- Journ. East India Assoc.* Journal of the East India Association. London.
- Journ. Geol. Chicago.* Journal of Geology. Chicago.
- Journ. Hamilton Assoc. (Canada).* Journal and Proceedings of the Hamilton Association. Hamilton (Canada).
- Journ. Iron & Steel Inst.* Journal of the Iron and Steel Institute. London.
- Journ. Linn. Soc.* Journal of the Linnean Society. London.
- Journ. Northants Nat. Hist. Soc.* Journal of the Northamptonshire Natural History Society. Northampton.
- Journ. N. Staffs F. C.* Journal of the Proceedings of the North Staffordshire Naturalists' Field Club and Archaeological Society. Stoke-upon-Trent.
- Journ. R. Agricult. Soc.* Journal of the Royal Agricultural Society. London.
- **Journ. R. Asiat. Soc. Gt. B.* Journal of the Royal Asiatic Society of Great Britain and Ireland. London.
- Journ. R. I. B. A.* Journal of the Royal Institute of British Architects. London.
- Journ. R. Inst. Cornwall.* Journal of the Royal Institution of Cornwall. Truro.
- Journ. R. Micr. Soc.* Journal of the Royal Microscopical Society. London.
- Journ. Soc. Arts.* Journal of the Society of Arts. London.
- Journ. Trinidad Field Nat. Club.* Journal of the Trinidad Field Naturalists' Club. Port-of-Spain.
- Journ. Vict. Inst. London.* Journal of the Transactions of the Victoria Institute, London.
- Journ. & Proc. Roy. Soc. N.S.W.* Journal and Proceedings of the Royal Society of New South Wales. Sydney.
- K.-k. geol. Reichsanst.* Kaiserlich-königliche geologische Reichsanstalt. Vienna.
- Kansas Univ. Quarterly.* Kansas University Quarterly. Lawrence (Kansas).
- Knowledge.* Knowledge. London.
- K. svenska Vet.-Akad. Handl.* Kongliga svenska Vetenskaps-Akademiens Handlingar. Stockholm.
- Kosmosu.* Kosmosu. Cracow.
- Lond. Edinb. Dubl. Phil. Mag.* London, Edinburgh, and Dublin Philosophical Magazine and Journal of Science. London.
- **Meddel. Grönland.* Meddelelser om Grönland, udgivne af Commissionen for Ledelsen af de geologiske og geographiske Undersøgelser i Grönland. Copenhagen.
- Meddel. Upsala Univ. Min.-Geol. Inst.* Meddelanden från Upsala Universitets Mineralogisk-Geologiska Institution. [A. C. Geol. Fören. Stockh. Förhandl.] Stockholm.
- Mem. Acad. Stanislas.* Mémoires de l'Académie de Stanislas. Nancy.
- Mem. Boston Soc. Nat. Hist.* Memoirs of the Boston Society of Natural History. Boston (Mass.).
- Mem. Com. Mapa geol. España.* Memorias de la Comisión del Mapa geológico de España. Madrid.
- Mém. Comité géol. Russie.* Mémoires du Comité géologique. St. Petersburg.
- Mem. descr. Carta geol. Italia.* Memorie descrittive della Carta geologica d'Italia. Rome.
- Mem. Geol. Surv. Engl. & Wales.* Memoirs of the Geological Survey of England and Wales. London.
- Mem. Geol. Surv. India. Palæont. Indica.* Memoirs of the Geological Survey of India. Palæontologia Indica. Calcutta.
- Mem. Geol. Surv. Scotland.* Memoirs of the Geological Survey of Scotland. Edinburgh.

- **Mem. Manch. Lit. Phil. Soc.* Memoirs of the Literary and Philosophical Society. Manchester.
- Mem. R. Acc. Sci. Ist. Bologna.* Memorie della Reale Accademia delle Scienze dell'Istituto di Bologna. Bologna.
- Mem. R. Acc. Sci. Torino.* Memorie della Reale Accademia delle Scienze. Turin.
- Mem. R. Astron. Soc.* Memoirs of the Royal Astronomical Society. London.
- Mem. R. Ist. lomb. Sci.* Memorie del Reale Istituto lombardo di Scienze e Lettere. Milan.
- Mém. Soc. géol. du Nord.* Mémoires de la Société géologique du Nord. Lille.
- Mém. Soc. géol. France (Paléont.).* Mémoires de la Société géologique de France. Paléontologie. Paris.
- Mém. Soc. Linn. Norm.* Mémoires de la Société Linnéenne de Normandie. Caen.
- Mém. Soc. palé. suisse.* Mémoires de la Société paléontologique suisse. Geneva.
- Min. Mag.* Mineralogical Magazine and Journal of the Mineralogical Society. London.
- **Min. petr. Mitth.* Mineralogische und petrographische Mittheilungen. Vienna.
- Mining Journ.* Mining Journal. London.
- Minutes of Proc. Inst. C.E.* Minutes of Proceedings of the Institution of Civil Engineers. London.
- Mitth. nat. Ver. Steiermark.* Mittheilungen des naturwissenschaftlichen Vereines für Steiermark. Graz.
- Monogr. Palæont. Soc.* Monographs of the Palæontographical Society. London.
- Mus. Lundii Afhandl.* E Museo Lundii. Afhandlingar. Copenhagen.
- Nachr. k. Gesell. Wiss. Göttingen.* Nachrichten der k. Gesellschaft der Wissenschaften zu Göttingen. Göttingen.
- Nat. Geogr. Mag. Washington.* National Geographical Magazine. Washington (D.C.).
- Nat. Hist. Journ. & Sch. Rep. York.* Natural History Journal and School Reporter. York.
- **Nat. Sci.* Natural Science. London.
- Naturalist, Leeds.* The Naturalist. Leeds & London.
- Natur. sicil.* Il Naturalista siciliano. Palermo.
- Nature.* Nature. London.
- N. J. f. Min.* Neues Jahrbuch für Mineralogie, Geologie und Palæontologie. Stuttgart.
- Norges geol. Undersög.* Norges geologiske Undersögelse. Christiania.
- Novit. Zool.* Novitates Zoologica. Tring.
- Nouv. Arch. Mus. Hist. nat. Paris.* Nouvelles Archives du Muséum d'Histoire naturelle. Paris.
- Nyt Mag. f. Naturvid.* Nyt Magazin for Naturvidenskaberne. Christiania.
- Occ. Papers. Nat. Hist. Soc. New Brunswick.* Occasional Papers of the Natural History Society of New Brunswick. St. John (N.B.).
- Öfvers. K. Vet.-Akad. Förh.* Öfversigt af Kongl. Vetenskaps-Akademiens Förhandlingar. Stockholm.
- Ottawa Naturalist.* Ottawa Naturalist. Ottawa.
- Overs. K. Danske Vidensk. Sels. Forh.* Oversigt over det Kongelige Danske Videnskabernes Selskabs Forhandlingar. Copenhagen.
- **Palæontographia italica.* Palæontographia italica. Memorie di Paleontologia. Pisa.
- **Palæontographica.* Palæontographica. Beiträge zur Naturgeschichte der Vorzeit. Stuttgart.
- Palæont. Abh. Jena.* Palæontologische Abhandlungen. Jena.
- Papers & Proc. Roy. Soc. Tasmania.* Papers and Proceedings of the Royal Society of Tasmania. Hobart.
- Papers & Rep. Min. & Mining, N.Z.* Papers and Reports relating to Minerals and Mining, New Zealand. Wellington (N.Z.).
- Perak Gov. Gazette.* Perak Government Gazette. Taiping.
- **Peterm. Mitth.* Petermann's Mittheilungen. Gotha.
- Phil. Trans. Roy. Soc.* Philosophical Transactions of the Royal Society. London.
- Proc. Acad. Nat. Sci. Philad.* Proceedings of the Academy of Natural Sciences. Philadelphia (Pa.).
- Proc. Am. Acad. Arts & Sci.* Proceedings of the American Academy of Arts and Sciences. Boston (Mass.).
- Proc. Am. Micr. Soc.* Proceedings of the American Microscopical Society. Washington (D.C.).
- Proc. Am. Phil. Soc.* Proceedings of the American Philosophical Society. Philadelphia (Pa.).
- Proc. Asiat. Soc. Bengal.* Proceedings of the Asiatic Society of Bengal. Calcutta.

- Proc. Bath Nat. Hist. F. C.* Proceedings of the Bath Natural History and Antiquarian Field Club. Bath.
- Proc. Boston Soc. Nat. Hist.* Proceedings of the Boston Society of Natural History. Boston (Mass.).
- Proc. Bristol Nat. Soc.* Proceedings of the Bristol Naturalists' Society. Bristol.
- Proc. Calif. Acad. Sci.* Proceedings of the California Academy of Sciences. San Francisco.
- Proc. Cotteswold Nat. F. C.* Proceedings of the Cotteswold Naturalists' Field Club. Gloucester.
- Proc. Dorset Nat. Hist. F. C.* Proceedings of the Dorset Natural History and Antiquarian Field Club. Dorchester.
- Proc. Geol. Assoc.* Proceedings of the Geologists' Association. London.
- Proc. Inst. Mining & Metall.* Abstract of Proceedings of the Institution of Mining and Metallurgy. London.
- Proc. Linn. Soc. London.* Proceedings of the Linnean Society. London.
- Proc. Linn. Soc. N.S.W.* Proceedings of the Linnean Society of New South Wales. Sydney.
- Proc. Lit. Phil. Soc. Liverpool.* Proceedings of the Literary and Philosophical Society. Liverpool.
- Proc. Liverp. Geol. Soc.* Proceedings of the Liverpool Geological Society. Liverpool.
- Proc. Malac. Soc. London.* Proceedings of the Malacological Society. London.
- Proc. Midland Inst. M. E.* Proceedings of the Midland Institute of Mining, Civil, and Mechanical Engineers. Newcastle-upon-Tyne.
- Proc. Phys. Soc.* Proceedings of the Physical Society. London.
- Proc. Rochester (N.Y.) Acad. Sci.* Proceedings of the Rochester Academy of Science. Rochester (N.Y.).
- Proc. Roy. Inst. Great Britain.* Proceedings of the Royal Institution of Great Britain. London.
- Proc. R. Irish Acad.* Proceedings of the Royal Irish Academy. Dublin.
- Proc. R. Phys. Soc. Edinb.* Proceedings of the Royal Physical Society. Edinburgh.
- Proc. Roy. Soc.* Proceedings of the Royal Society. London.
- Proc. Roy. Soc. Edinb.* Proceedings of the Royal Society of Edinburgh. Edinburgh.
- Proc. Roy. Soc. Queensland.* Proceedings of the Royal Society of Queensland. Brisbane.
- Proc. S. Wales Inst. Engin.* Proceedings of the South Wales Institute of Engineers. Cardiff.
- Proc. Soc. Bibl. Arch.* Proceedings of the Society of Biblical Archæology. London.
- Proc. U.S. Nat. Mus. Washington.* Proceedings of the United States National Museum. Washington (D.C.).
- Proc. Warwick. Field Club.* Proceedings of the Warwickshire Naturalists' and Archæologists' Field Club. Warwick.
- Proc. Yorks Geol. Soc.* Proceedings of the Yorkshire Geological and Polytechnic Society. Halifax.
- Proc. Zool. Soc. London.* Proceedings of the Zoological Society. London.
- Proc. & Trans. Nova Scotian Inst. Sci.* Proceedings and Transactions of the Nova Scotian Institute of Science. Halifax (N.S.).
- Proc. & Trans. Roy. Soc. Canada.* Proceedings and Transactions of the Royal Society of Canada. Ottawa.
- Procès-verb. Soc. R. malacol. Belg.* Procès-verbaux des Séances de la Société Royale malacologique de Belgique. Brussels.
- Q. J. G. S.* Quarterly Journal of the Geological Society. London.
- Q. J. Iron & Steel Inst.* Quarterly Journal of the Iron and Steel Institute. London.
- Q. J. R. Meteor. Soc.* Quarterly Journal of the Royal Meteorological Society. London.
- Rec. Geol. Surv. India.* Records of the Geological Survey of India. Calcutta.
- Rendic. R. Ist. lomb. Sci.* Reale Istituto lombardo di Scienze e Lettere. Rendiconti Milan.
- Rep. Australasian Assoc. Adv. Sci.* Report of the Australasian Association for the Advancement of Science. Sydney.
- Rep. Australian Mus. N.S.W.* Reports, Australian Museum, New South Wales. Sydney.
- Rep. Brit. Assoc. Adv. Sci.* Report of the British Association for the Advancement of Science. London.

- Rep. Depart. Mines, Nova Scotia.* Report of the Department of Mines, Nova Scotia. Halifax (N.S.).
- Rep. Felsted School Sci. Soc.* Report of the Felsted School Scientific Society. Chelmsford.
- Rep. Mining Conference, N.S.W.* Report of the Proceedings of the Mining Conference, held at Sydney (N.S.W.) 1896. Sydney.
- Rep. Rugby School Nat. Hist. Soc.* Report of the Rugby School Natural History Society. Rugby.
- Rev. Mus. La Plata.* Revista del Museo de La Plata. La Plata.
- Rev. Sci. Paris.* Revue Scientifique. Paris.
- Rev. Sci. nat. e soc. Porto.* Revista de Sciencias naturaes e sociaes. Oporto.
- Rev. suisse de Zool.* Revue suisse de Zoologie et Annales du Musée d'Histoire naturelle de Genève. Geneva.
- Rev. univ. Mines.* Revue universelle des Mines, &c. Paris.
- Riv. ital. Paleont. Bologna.* Rivista italiana di Paleontologia. Bologna.
- *Riv. Min. e Crist. ital. Padova.* Rivista di Mineralogia e Cristallografia italiana. Padua.
- Rozpr. Akad. Umiej. Krakow.* Rozprawy Akademii Umiejetności w Krakow. Wydział matematyczno-przynodniczy. Cracow.
- *Samml. geol. Reichs-Mus. Leiden.* Sammlungen des geologischen Reichs-Museums. Leiden.
- *Schriften physik.-ökonom. Gesell. Königsberg.* Schriften der physikalisch-ökonomischen Gesellschaft. Königsberg in Pr.
- Science.* Science. New York.
- Sci. Proc. R. Dublin Soc.* Scientific Proceedings of the Royal Dublin Society. Dublin.
- *Sci. Progr.* Science Progress. London.
- Sci. Trans. R. Dublin Soc.* Scientific Transactions of the Royal Dublin Society. Dublin.
- Scot. Geogr. Mag.* Scottish Geographical Magazine. (Royal Scottish Geographical Society.) Edinburgh.
- Serv. Carte Géol. France.* Services de la Carte géologique de la France et des Topographies souterraines. Paris.
- Sitz. Gesell. naturf. Freunde, Berlin.* Sitzungsberichte der Gesellschaft naturforschender Freunde. Berlin.
- Sitz. Gesell. Naturw. Marburg.* Sitzungsberichte der Gesellschaft zur Beförderung der gesammten Naturwissenschaften. Marburg.
- Sitz. k. Akad. Wissensch. Wien.* Sitzungsberichte der kaiserlichen Akademie der Wissenschaften in Wien. Vienna.
- Sitz. k.-bayr. Akad.* Sitzungsberichte der mathematisch-physikalischen Classe der königlich-bayerischen Akademie der Wissenschaften. Munich.
- Sitz. k.-preuss. Akad. Wissensch. Berlin.* Sitzungsberichte der königlich-preussischen Akademie der Wissenschaften. Berlin.
- Sitz. Naturf.-Gesell. Dorpat.* Sitzungsberichte der Naturforscher-Gesellschaft bei der Universität Jurjew. Dorpat.
- Sitz. u. Abh. nat. Gesell. 'Isis.'* Sitzungsberichte und Abhandlungen der naturwissenschaftlichen Gesellschaft 'Isis' in Dresden. Dresden.
- Smithsonian Contrib. Knowledge.* Smithsonian Contributions to Knowledge. (Smithsonian Institution.) Washington, D.C. (8vo. & 4to.).
- Smithsonian Miscell. Coll.* Smithsonian Miscellaneous Collections. (8vo.) Washington (D.C.).
- South Eastern Nat.* South Eastern Naturalist. Transactions of the Associated Natural History Societies of the South East of England. Canterbury.
- Spelunca.* Spelunca. Bulletin de la Société de Spéléologie. Paris.
- Stonyhurst Mag.* Stonyhurst Magazine. Stonyhurst (Lanes).
- Sver. geol. Undersök. Afh.* Sveriges geologiska Undersökning. Afhandlingar. Stockholm.
- *Trans. Acad. Sci. St. Louis.* Transactions of the Academy of Science of St. Louis. St. Louis (Mo.).
- Trans. Am. Inst. M. E.* Transactions of the American Institute of Mining Engineers. New York.
- Trans. Am. Phil. Soc. Philad.* Transactions of the American Philosophical Society. Philadelphia (Pa.).
- Trans. Canadian Inst.* Transactions of the Canadian Institute. Toronto.
- Trans. Cardiff Nat. Soc.* Transactions of the Cardiff Naturalists' Society. Cardiff.
- Trans. Cumberland Assoc. Adv. Sci.* Transactions of the Cumberland Association for the Advancement of Literature and Science. Carlisle.

- Trans. Devon. Assoc. Adv. Sci.* Report and Transactions of the Devonshire Association for the Advancement of Science, Literature, and Art. Plymouth.
- Trans. Edinb. Geol. Soc.* Transactions of the Edinburgh Geological Society. Edinburgh.
- Trans. Fed. Inst. M. E.* Transactions of the Federated Institution of Mining Engineers. Newcastle-upon-Tyne.
- Trans. Geol. Soc. S. Africa.* Transactions of the Geological Society of South Africa. Johannesburg.
- Trans. Herts. Nat. Hist. Soc.* Transactions of the Hertfordshire Natural History Society and Field Club. Hertford.
- Trans. Kansas Acad. Sci.* Transactions of the Kansas Academy of Science. Topeka (Kan.).
- Trans. Leicester Lit. Phil. Soc.* Transactions of the Leicester Literary and Philosophical Society. Leicester.
- Trans. Linn. Soc. London.* Transactions of the Linnean Society. London.
- Trans. Liverpool Geol. Assoc.* Transactions of the Liverpool Geological Association. Liverpool.
- Trans. Manch. Geol. Soc.* Transactions of the Manchester Geological Society. Manchester.
- Trans. Mining Assoc. & Inst. Cornwall.* Transactions of the Mining Association and Institute of Cornwall. Falmouth.
- Trans. Nat. Hist. Soc. Glasgow.* Transactions of the Natural History Society. Glasgow.
- Trans. N. Engl. Inst. M. E.* Transactions of the North of England Institute of Mining and Mechanical Engineers. Newcastle-upon-Tyne.
- Trans. N.Y. Acad. Sci.* Transactions of the New York Academy of Sciences. New York.
- Trans. N.Z. Inst.* Transactions and Proceedings of the New Zealand Institute. Wellington (N.Z.).
- Trans. R. Geol. Soc. Cornwall.* Transactions of the Royal Geological Society of Cornwall. Penzance.
- Trans. R. Irish Acad.* Transactions of the Royal Irish Academy. Dublin.
- Trans. R. Soc. Canada.* Transactions of the Royal Society of Canada. Ottawa.
- Trans. R. Soc. Edinb.* Transactions of the Royal Society of Edinburgh. Edinburgh.
- Trans. R. Soc. S. Aust.* Transactions of the Royal Society of South Australia. Adelaide.
- Trans. R. Soc. Victoria.* Transactions of the Royal Society of Victoria. Melbourne.
- Trans. S. African Phil. Soc.* Transactions of the South African Philosophical Society. Cape Town.
- Trans. Wagner Free Inst. Philad.* Transactions of the Wagner Free Institute of Science. Philadelphia (Pa.).
- Trans. Wisconsin Acad. Sci.* Transactions of the Wisconsin Academy of Sciences, Arts, and Letters. Madison (Wis.).
- Trans. Zool. Soc. London.* Transactions of the Zoological Society. London.
- Travaux Sec. géol. Cab. Sa Majesté, St.-Pétersbourg.* Travaux de la Section géologique du Cabinet de Sa Majesté. St. Petersburg.
- Tufts Coll. Studies.* Tufts College Studies. Tufts College (Mass.).
- Utah Univ. Quart.* Utah University Quarterly. Salt Lake City.
- Verh. k.-k. geol. Reichsanst.* Verhandlungen der kaiserlich-königlichen geologischen Reichsanstalt. Vienna.
- Verh. k.-k. zool.-bot. Gesell. Wien.* Verhandlungen der kaiserlich-königlichen zoologisch-botanischen Gesellschaft in Wien. Vienna.
- Verh. k. Leop.-Carol. deutsch. Akad. Naturf.* Verhandlungen [Nova Acta] der kaiserlichen Leopoldinisch-Carolinischen deutschen Akademie der Naturforscher. Halle.
- **Verh. naturh. Ver. preuss. Rheinl.* Verhandlungen des naturhistorischen Vereins der preussischen Rheinlande, Westfalens und des Regierungs-Bezirks Osnabrück. Bonn.
- Verh. russ.-k. min. Gesell.* Verhandlungen der russisch-kaiserlichen mineralogischen Gesellschaft. St. Petersburg.
- Verh. siebenbürg. Vereins f. Naturw.* Verhandlungen und Mittheilungen des siebenbürgischen Vereins für Naturwissenschaften. Hermannstadt.
- Vet.-Meddel. geogr. Fören. Finland.* Vetenskapiga Meddelanden af geografiska Föreningarna i Finland. Helsingfors.
- Vidensk.-Selsk. Forh. Christiania.* Videnskabs-Selskabs Forhandlinger. Christiania.
- Vidensk. Skrifter. I. Math.-nat. Kl.* Videnskabs-selskabets Skrifter. I. Mathematisk-naturv. Klasse. Christiania.
- Vortr. Ver. Verbr. naturw. Kenntn. Wien.* Vorträge des Vereines zur Verbreitung naturwissenschaftlicher Kenntnisse in Wien. Vienna.

- '*Yn Lioar Manninagh.*' 'Yn Lioar Manninagh,' Journal of the Isle of Man Natural History and Antiquarian Society. Douglas (I. of M.).
- Zeitschr. deutsch. geol. Gesell.* Zeitschrift der deutschen geologischen Gesellschaft. Berlin.
- Zeitschr. f. Berg-, Hütt.-Salin.* Zeitschrift für das Berg-, Hütten- und Salinenwesen im preussischen Staate. Berlin.
- Zeitschr. f. Kryst.* Zeitschrift für Krystallographie und Mineralogie. Leipzig.
- Zeitschr. f. naturw. Leipzig.* Zeitschrift für Naturwissenschaften. Organ des naturwissenschaftlichen Vereins für Sachsen und Thüringen. Leipzig.
- Zeitschr. f. prakt. Geol.* Zeitschrift für praktische Geologie. Berlin.
- Zeitschr. oesterr. Ingenieur- u. Architekten-Ver.* Zeitschrift des oesterreichischen Ingenieur- und Architekten-Vereines. Vienna.
- Zool. Anz.* Zoologischer Anzeiger. Leipzig.
-
- ABBE, CLEVELAND. Remarks on the Cuspate Capes of the Carolina Coast. *Proc. Boston Soc. Nat. Hist.* xxvi. 500. 1895.
- ABBOTT, W. J. LEWIS. An Ancient Kitchen-midden at Hastings. *Rep. Brit. Assoc. Adv. Sci.* 1895, 500. 1895.
- ADAMS, FRANK D. On the Norian or 'Upper Laurentian' Formation of Canada. *Canad. Rec. Sci.* vi. 169, 277, 416. 1894.
- 2. The Gold Deposits of Mount Morgan, Queensland. *Canad. Rec. Sci.* vi. 329. 1895.
- . See ELLS, R. W.
- & B. J. HARRINGTON. On a new Alkali Horblende and a Titaniferous Andradite from the Nepheline-syenite of Dunganon, Hastings County, Ontario. *Am. Journ. Sci.* ser. 4, i. 210. 1896.
- , — 2. — . *Canad. Rec. Sci.* vii. 88. 1896.
- ADAMS, G. J. Extinct Felidæ of North America. *Am. Journ. Sci.* ser. 4, i. 419. 1896.
- ADÁN DE YARZA, RAMÓN. Rocas hipogénicas de la Isla de Cuba. *Bol. Com. Mapa geol. España*, 1893, xx. 71. 1895.
- 2. Roca eruptiva de Fortuna (Murcia). *Bol. Com. Mapa geol. España*, 1893, xx. 349. 1895.
- AGASSIZ, ALEXANDER. A Visit to the Great Barrier Reef of Australia. *Am. Journ. Sci.* ser. 4, ii. 240. 1896.
- 2. On Underground Temperatures at Great Depths. *Am. Journ. Sci.* ser. 3, 1. 503. 1895.
- 3. — . *Lond. Edinb. Dubl. Phil. Mag.* ser. 5, xli. 78. 1896.
- ALBE, EDMOND. Igues d'Hermet et des Alysses, Causse de Gramat (Lot). *Spelunca*, ii. 90. 1896.
- 2. Nouvelles Igues [tel est le nom patois des Abimes du Quercy] explorées sur le Causse de Gramat (Lot). *Spelunca*, i. 129. 1896.
- ALESSANDRI, GIULIO DE. See DE-ALESSANDRI, G.
- ALLEN, W. Rotuma (Pacific Ocean). *Rep. Australasian Assoc. Adv. Sci.* 1895, vi. 569. 1896.
- ALMERA, JAIME. Étude stratigraphique du Massif crétacé du littoral de la Province de Barcelone. *Bull. Soc. géol. France*, ser. 3, xxiii. 564. 1896.
- ALTHANS, E. Ueber muthmaasliche Endmoränen eines Gletschers vom Rehorn-Gebirge und Kobenkamme bei Liebau i. Schl. *Zeitschr. deutsch. geol. Gesell.* xlvi. 401. 1896.
- AMBROSETTI, JUAN B. Un Paseo á los Andes. *Ann. Soc. cient. Arg.* xlii. 264. 1896.
- AMEGHINO, FLORENTINO. Notas sobre Cuestiones de Geología y Paleontología argentinas. *Bol. Inst. geogr. Argent.* xvii. 87. 1896 & A.C.
- 2. Sur l'Évolution des Dents des Mammifères. *Bol. Acad. Nac. Córdoba*, xiv. 381. 1896. A.C.
- AMI, HENRY M. The Utica Terrane in Canada. *Canad. Rec. Sci.* v. 166. 1892.
- 2. Notes on Canadian Fossil Bryozoa. *Canad. Rec. Sci.* vi. 222. 1894.
- 3. Notes on a Collection of Silurian Fossils From Cape George, Antigonish Co. (N.S.). *Proc. & Trans. Nova Scotian Inst. Sci.* viii. 411. 1895.
- AMICIS, G. A. DE. Sopra alcune Forme nuove di Foraminiferi del Pliocene inferiore. *Atti Soc. tosc. Sci. nat.* xiv. Mem. 18, 1895.

- ANDERSSON, JOHAN GUNNAR. Till Frågan om de baltiska postarkäiska Eruptivens Ålder. *Geol. Fören. Stockh. Förh.* xviii. 58, 1896, & *Medd. Upsala Univ. min.-geol. Inst.* no. 21, 1. 1896.
- 2. Om Konservering af kvartära Växtlämningar. *Geol. Fören. Stockh. Förh.* xviii. 492. 1896.
- 3. Hvad är *Folliculites* och *Paradoxocarpus*? *Geol. Fören. Stockh. Förh.* xviii. 538. 1896.
- 4. Om Ölandska Raukar. *Bihang k. svenska Vet.-Akad. Handl.* xxi. afdel. ii. no. 4. 1, 1896.
- 5. Ueber cambrische und silurische, phosphoritführende Gesteine aus Schweden. [Map S. Sweden $\frac{1}{3,50,000}$] *Bull. Geol. Inst. Univ. Upsala*, ii. 133. 1896. And A.C.
- ANDREE, TH. Ein Beitrag zur Geologie des Ostrau-Karwiner Steinkohlenreviers. *Verh. k.-k. geol. Reichsanst.* 1896, 288. 1896.
- ANDREWS, CHARLES W. Note on the Pelvis of *Cryptoclidus oxoniensis*, Phillips. *Geol. Mag.* dec. 4, iii. 145. 1896.
- 2. Note on a nearly-complete Skeleton of *Aptornis defossor*, Owen. *Geol. Mag.* dec. 4, iii. 241. 1896.
- 3. Note on the Skeleton of *Diaphorapteryx Hawkinsi*, Forbes, a large extinct Rail from the Chatham Islands. *Geol. Mag.* dec. 4, iii. 357. 1896.
- 4. On a Skull of *Orycteropus Gaudryi*, Forsyth Major, from Samos. *Proc. Zool. Soc. Lond.* 1896, 296. 1896.
- 5. On the Extinct Birds of the Chatham Islands. Part I.—The Osteology of *Diaphorapteryx Hawkinsi*. *Novit. Zool.* iii. 73. 1896. A.C.
- 6. — Part II.—The Osteology of *Palæolimnas chathamensis* and *Nesolimnas Dieffenbachii*. *Novit. Zool.* iii. 260. 1896.
- 7. On the Structure of the Plesiosaurian Skull. *Q. J. G. S.* lii. 247. 1896.
- 8. Remarks on the Stereornithes, a group of Extinct Birds from Patagonia. *Ibis*, ser. 7, ii. 1. 1896. A.C.
- 9. On the Skull, Sternum, and Shoulder-girdle of *Æpyornis*. *Ibis*, ser. 7, ii. 376. 1896. A.C.
- *— 10. Recent Discoveries in Avian Palæontology. *Sci. Progr.* v. 398. 1896.
- ANDREWS, WILLIAM. On a New Water Supply at Kenilworth. *Proc. Warwick. Field Club*, 1895, 54. 1896.
- ANGELIS D'OSSAT, G. DE. Addizioni alla Ittiofauna fossile del Monte Titano, Territorio della Repubblica di San Marino. *Riv. ital. Paleont. Bologna*, i. 250. 1896.
- *— 2. Il *Trigonodon Oweni*, E. Sism., e l'*Umbrina Pecchiolii*?, Lawl., nel Miocene di Sardegna. *Riv. ital. Paleont. Bologna*, ii. 100. 1896.
- ANON. A View of Kilauea, *Nature*, liii. 490. 1896.
- 2. [Brief History of the Palæontographical Society.] *Monogr. Palæont. Soc.* 1. 32. 1896.
- 3. Coal in Hungary. *Coll. Guard.* lxxii. 1125. 1896.
- 4. Excursion to Dunstable and Totternhoe. *Trans. Herts. Nat. Hist. Soc.* viii. p. lxxvii. 1896.
- 5. Fifeshire Coalfield. *Coll. Guard.* lxxii. 721, 774, 963. 1896.
- 6. Geology at the British Association. *Nature*, liv. 595. 1896.
- *— 7. Glacial Geology at the British Association. *Glac. Mag.* iii. 94. 1895.
- *— 8. Glacial Work of the Geological Survey. *Glac. Mag.* iv. 14. 1896.
- 9. Légende de la Carte géologique de la Belgique à l'échelle du 40,000^e dressée par ordre du Gouvernement. *Ann. Soc. géol. Belg. Liège*, xxiii. p. xc. 1896.
- 10. Les Cavernes des Iles Lipari. *Spelunca*, ii. 62. 1896.
- 11. Manganese Ore in Sweden. *Coll. Guard.* lxxi. 545. 1896.
- 12. Notes on the South Wales Coalfield. *Coll. Guard.* lxxi. 1015. 1896.
- 13. On the Industrial Products of the Geological Formations of the United Kingdom. *Coll. Guard.* lxxi. 1124, 1171, 1204; lxxii. 18, 65, 112. 1896.
- 14. Report of the Meeting held for the Presentation to Professor Bonney, D.Sc., LL.D., F.R.S., F.G.S., F.S.A., of his Portrait, presented by his former Pupils. 8vo. London, 1896.
- 15. Royal Commission on Land in Wales and Monmouthshire. Supplemental Notes on the Bibliography of the Natural History of Wales. 4to. London, 1896.
- 16. Salt Production in Russia [Bardymkul, Turkestan]. *Journ. Soc. Arts*, xliv. 909. 1896.
- 17. The Boulder Drift in North Staffordshire and Derbyshire. *Coll. Guard.* lxxi. 461. 1896.

- ANON. 18. The Caermarthenshire Coalfield. *Coll. Guard.* lxx. 1163, 1212. 1895; lxxi. 207, 497. 1896.
- 19. The Derbyshire Coalfield. *Coll. Guard.* lxxi. 923, lxxii. 353. 1896.
- *— 20. The Determination of Fossils. *Nat. Sci.* ix. 361. 1896.
- 21. The Durham Coalfield. *Coll. Guard.* lxxi. 823, lxxii. 439. 1896.
- 22. The Earthquake Wave in Japan. *Nat. Hist. Journ. & Sch. Rep. York.* xx. 113. 1896.
- 23. The Geology of Barry Island. *Coll. Guard.* lxxi. 256. 1896.
- 24. The Geology of Whikmore, Staffordshire. *Coll. Guard.* lxxi. 513. 1896.
- 25. The Glamorganshire Coalfield. *Coll. Guard.* lxx. 1067. 1895; lxxi. 17, 63, 111, 161, 207, 256, 303, 399. 1896.
- 26. The Great Seismic Wave of Japan. *Nature*, liv. 449. 1896.
- 27. The Iron Ores of Mexico. *Coll. Guard.* lxxi. 657. 1896.
- *— 28. The Lake Basins of Lakeland. [Abstract of paper by J. E. MARR.] *Glac. Mag.* iv. 21. 1896.
- 29. The Lanarkshire Coalfield. *Coll. Guard.* lxxii. 1110. 1896.
- 30. The Lancashire Coalfield. *Coll. Guard.* lxxi. 546, 592, 639, 687, 731, 872. 1896.
- 31. The Leicestershire Coalfield. *Coll. Guard.* lxxii. 538; 584, 631. 1896.
- 32. The Lothian Coalfield. *Coll. Guard.* lxxi. 702; lxxii. 882, 915, 1013, 1061. 1896.
- 33. The Millstone Grits of North Staffordshire. *Coll. Guard.* lxxi. 112. 1896.
- 34. The Nord and Pas-de-Calais Coalfield of France. *Coll. Guard.* lxxi. 125. 1896.
- 35. The Palæontographical Society of London. *Geol. Mag.* dec. 4, iii. 385. 1896. *Aud A.C.*
- 36. The Pembrokeshire Coalfield. *Coll. Guard.* lxxi. 353. 1896.
- 37. The Rate of Increase of Temperature with the Depth of Subterranean Operations. *Coll. Guard.* lxxii. 224, 255, 317. 1896.
- 38. The Transvaal Coal Deposits. *Coll. Guard.* lxxii. 552. 1896.
- 39. The Warwickshire Coalfield. *Coll. Guard.* lxxii. 393, 490. 1896.
- 40. Trap Dykes in the Haunchurch Hills. *Coll. Guard.* lxxi. 413. 1896.
- 41. Venezuela. Short Sketch of its History, Geography, and Industries. *Scot. Geogr. Mag.* xii. 184. 1896.
- (EARTHWORM). Our New Fossil [*Palæacis*]. *Stonyhurst Mag.* vi. 283. 1896. *A.C.* [See HINDE, G. J.]
- ARCTOWSKI, H. Observations sur l'Intérêt que présente l'Exploration géologique des Terres australes. *Bull. Soc. géol. France*, ser. 3, xxiii. 589. 1896.
- 2. Observations sur l'Intérêt scientifique que présente l'Expédition antarctique. *Ann. Soc. géol. Belg. Liège*, xxiii. p. lxii. 1896.
- ARGYLL, DUKE OF. Two Glens and the Agency of Glaciation. *Trans. Roy. Soc. Edinb.* xxxviii. 193. 1896.
- ARMACHEWSKY, P. Compte-rendu préliminaire sur les Recherches géologiques dans le Gouvernement de Mohilew. *Bull. Com. géol. Russie*, 1895, xiv. 51. 1896.
- ARNAUD, H. Sur quelques Echinides à tubercules crénelés et imperforés du Crétacé supérieur. *Actes Soc. Linn. Bordeaux*, xlviii. 231. 1895.
- ARNOLD-BEMROSE, H. H., & R. M. DEEBLEY. Discovery of Mammalian Remains in the Old River-gravels of the Derwent near Derby. [Map, $\frac{1}{62500}$] *Q. J. G. S.* lii. 497. 1896.
- ARSLANIAN, D. The Mines of Angora (Anatolia). *Journ. Soc. Arts*, xlv. 798. 1896.
- ARTHABER, G. vox. Einige Bemerkungen über die Fauna der Reiflinger Kalke. *Verh. k.-k. geol. Reichsanst.* 1896, 120. 1896.
- 2. Vorläufige Mittheilung über neue Aufsammlungen in Judicarien, und Berichtigung, den *Ceratites nodosus* aus dem Tretto betreffend. *Verh. k.-k. geol. Reichsanst.* 1896, 265. 1896.
- *ARTINI, ETTORE. Appunti petrografici sopra alcune Rocce del Veneto.—1. Basalti del Veronese. *Riv. Min. e Crist. ital. Padova*, xv. 33. 1896.
- *— 2. Baritina di Vassera. *Riv. Min. e Crist. ital. Padova*, xvi. 10. 1896.
- *— 3. Apatite dell' Elba. *Riv. Min. e Crist. ital. Padova*, xvi. 15. 1896.
- *— 4. Su alcuni Minerali di Gorno [Calamine, Sphalerite, Galena, Smithsonite, Wulframite, Calcite.] *Riv. Min. e Crist. ital. Padova*, xvi. 19. 1896.
- *— 5. Intorno alla Composizione mineralogica di due Sabbie del Litorale Adriatico. *Riv. Min. e Crist. ital. Padova*, xvi. 90. 1896.
- ARZRUNI, A. Künstlicher Kassiterit. *Zeitschr. f. Kryst.* xxv. 467. 1895.
- 2. Forsterit vom Monte Somma. *Zeitschr. f. Kryst.* xxv. 471. 1895.
- ASHLEY, GEORGE HALL. The Neocene of the Santa Cruz Mountains.—I. Stratigraphy. *Proc. Calif. Acad. Sci.* ser. 2, v. 273. 1895. *A.C.*

- ASTON, MISS E. On an Alpine Nickel-bearing Serpentine, with Fulgurites; with Petrographical Notes by T. G. BONNEY. *Q. J. G. S.* lii. 452. 1896.
- ATHERSTONE, W. GUYBON. Kimberley and its Diamonds. *Trans. Geol. Soc. S. Africa*, i. 76. 1896.
- ATKINSON, J. B., &c. Home Department. Mines. List of Mines in the United Kingdom of Great Britain and Ireland, and the Isle of Man for the year 1895, prepared by Her Majesty's Inspectors of Mines. 4to. London, 1896.
- 2. Mines and Quarries. Mineral Statistics of the United Kingdom of Great Britain and Ireland, with the Isle of Man, for the year 1895. 4to. London, 1896.
- 3. Mines and Quarries. 1896. Summaries of Statistics relating to the Mines and Quarries in the United Kingdom and the Isle of Man. 4to. London, 1896.
- 4. List of the Plans of Abandoned Mines deposited in the Home Office under the Coal and Metalliferous Mines Regulation Acts, including Plans transferred from the late 'Mining Record Office.' 4to. London, 1896.
- ATKINSON, W. N. See ATKINSON, J. B., &c.
- BABU, L. Les Mines d'or de l'Australie (province de Victoria) et le gîte d'argent de Broken Hill (Nouvelle-Galles du Sud). [Maps of Ballarat & Bendigo.] *Ann. Mines, Paris*, ser. 9, ix. 315. 1896.
- BÄCKSTRÖM, HELGE. Tvenne nypuppackta svenska Klotgraniter. *Sver. Geol. Undersökn. Afh.* ser. C, no. 137. 1894.
- 2. Ueber leucitführende Gesteine von den liparischen Inseln. *Geol. Fören. Stockh. Förh.* xviii. 155. 1896.
- 3. Manganandalusit från Vestaná. *Geol. Fören. Stockh. Förh.* xviii. 386. 1896.
- BAIKOV, A. Analyses chimiques de quelques Spécimens de la Houille du Bassin de Kousnetz. *Travaux Sec. géol. Cab. Sa Majesté, St.-Petersb.* i. 88. 1895.
- BAILEY, E. H. S., & MARY A. RICE. On the Composition of the Water from a Mineral Spring in the Vicinity of 'the Great Spirit Spring,' Mitchell County, Kansas. *Trans. Kansas Acad. Sci.* xiv. 40. 1896.
- BAILEY, L. W. Notes on the Geology and Botany of Digby Neck (N.S.). *Proc. & Trans. Nova Scotian Inst. Sci.* ix. 68. 1896.
- BAIN, H. FOSTER. Geology of Keokuk County (Iowa). *Iowa Geol. Surv.* iv. 254. 1895.
- 2. Geology of Mahaska County (Iowa). *Iowa Geol. Surv.* iv. 313. 1895.
- 3. Notes on Iowa Building Stones. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 500. 1895.
- BALFOUR, LEWIS. See OFFICER, G.
- BALL, CLINTON M. The Magnetic Separation of Iron Ore. *Trans. Am. Inst. M. E.* xxv. 533. 1896.
- BALL, V. On the Gold Nuggets hitherto found in the County Wicklow. *Sci. Proc. R. Dublin Soc.* n.s. viii. 311. 1895.
- BALTZ, CARL. Die Siedesalz-Erzeugung von ihren Anfängen bis auf ihren gegenwärtigen Stand, nebst einem Anhang über Seesalinen. *Zeitschr. f. Berg-, Hütt.-Salin.* xlv. 207. 1896.
- BALTZER, A. Beiträge zur Kenntniss der interglacialen Ablagerungen. [Pianico, Lombardy.] *N. J. f. Min.* 1896, i. 159. 1896.
- BARATTA, MARIO. Sul Terremoto vogherese del 17 Ottobre, 1894, e sulla attività sismica nell' Appennino pavese. *Rendic. R. Ist. lomb. Sci.* ser. 2, xxviii. 178. 1895.
- 2. Il Terremoto sentito in Lombardia il 27 Novembre, 1894. Contribuzione allo Studio dell' Attività sismica nell' Italia settentrionale. *Atti Soc. tosc. Sci. nat., Proc. verb.* x. 41. 1896.
- BARBOT, J. La Grotte des Capéians (Lozère). *Spelunca*, ii. 32. 1896.
- BARLOW, A. E. See ELLS, R. W.
- BARLOW, WILLIAM. On Homogeneous Structures and the Symmetrical Partitioning of them, with application to Crystals. *Min. Mag.* xi. 119. 1893.
- BARNES, J. See HOLROYD, W. F.
- , & W. F. HOLROYD. On the Mountain Limestone Caverns of Tray Cliff Hill, Castleton, Derbyshire, with some of their contained Minerals. *Trans. Manch. Geol. Soc.* xxiv. 215. 1896.
- BARROIS, CHARLES. Faune du Calcaire d'Erbray (Loire-Inférieure). *Mém. Soc. géol. du Nord*, ii. 1. 1896.
- 2. Feuille de St.-Nazaire. *Bull. Serv. Carte géol. France.* viii. (no. 53) 47. 1896.

- BARROIS, CHARLES. 3. Sur l'Origine de la Grande-Brière (Loire-Inférieure). *Ann. Soc. géol. Nord*, xxiii. 194. 1896.
- 4. See MICHEL-LÉVY, A., &c.
- BARRON, T. On a new British Rock containing Nepheline and Riebeckite. *Geol. Mag.* dec. 4, iii. 371. 1896.
- BARROW, G., H. H. HOWELL, W. TOPLEY, & G. A. LEBOUR. Geological Survey of England and Wales. 1-inch map. Sheet 105 N.W. (N.S. Sheet 14), Morpeth. (New edition.) Solid and Drift. 1896.
- *BARTHOLIN, C. T. Nogle i den bornholmske Juraformation forekommende Planteforsteninger. 8vo. Copenhagen, 1892-94.
- BASCOM, FLORENCE. A Pre-tertiary Nepheline-bearing Rock. *Journ. Geol. Chicago*, iv. 160. 1896. And A.C.
- 2. Perido-Steatite and Diabase. *Proc. Acad. Sci. Philad.* 1896, 220. 1896. A.C.
- 3. The Ancient Volcanic Rocks of South Mountain, Pennsylvania. [Map, Monterey District, 3¼ inches=1 mile.] *Bull. U.S. Geol. Surv.* no. 136, 1. 1896.
- BASHORE, HARVEY B. Notes on Glacial Gravels in the Lower Susquehanna Valley. *Am. Journ. Sci.* ser. 4, 1. 281. 1896.
- *BASSANI, FR. La Ittiofauna della 'Dolomia principale' di Giffoni (Prov. di Salerno). *Palaeontographia italica*, 1895, i. 169. 1896.
- BATHER, F. A. The Recapitulation Theory in Palæontology, and F. BERNARD'S 'Éléments de Paléontologie.' *Nat. Sci.* ii. 275. 1893. A.C.
- 2. Natural Science at the Chicago Exhibition. *Nat. Sci.* iii. 336. 1893. A.C.
- 3. Natural Science in Japan. *Nat. Sci.* iv. 19. 1894. A.C.
- 4. Cephalopod Beginnings. *Nat. Sci.* v. 422. 1894. A.C.
- 5. *Meurocrinus Salopia*, n. sp., and another Crinoid, from the Middle Ordovician of West Shropshire. *Geol. Mag.* dec. 4, iii. 71. 1896. And A.C.
- 6. On *Uintacrinus*: a Morphological Study. *Proc. Zool. Soc. London*, 1895, 974. 1896. And A.C.
- 7. The Search for *Uintacrinus* in England and Westphalia. *Geol. Mag.* dec. 4, iii. 443. 1896.
- 8. The Term 'Syzygy' in the Description of Crinoids. *Zool. Anz.* xix. 57. 1896. A.C.
- 9. See BUCKMAN, S. S.
- 10. See LYDEKKER, R., &c.
- *BAUDISCH, H. Ueber die Beschaffung von Druckluft bei den Werken des Zwickauer Brückenberg-Steinkohlenbauvereins. *Jahrb. f. Berg- & Hüttenw. Sachsen.* 1895, 10. 1895.
- BAUER, KARL. Petrographische Untersuchungen an Glimmerschiefern und Pegmatiten der Koralle. *Mitth. nat. Ver. Steiermark*, 1895, 206. 1896.
- *BAUER, MAX. Edelsteinkunde. Lief. 5-11. 8vo. Leipzig, 1895-96.
- 2. Der Jadeit und die anderen Gesteine der Jadeitlagerstätte von Tammaw in Ober-Birma. *N. J. f. Min.* 1896, i. 18. 1896.
- 3. Jadeit von Tibet. *N. J. f. Min.* 1896, i. 85. 1896.
- 4. Ueber das Vorkommen der Rubine in Birma. *N. J. f. Min.* 1896, ii. 197. 1896.
- BAUMBERGER, E. See SCHARDT, H.
- BAUMHAUER, H. Ueber den Rathit, ein neues Mineral aus dem Binnenthaler Dolomit. *Zeitschr. f. Kryst.* xxvi. 593. 1896.
- *BAY, E. Den östgrönlandske Expedition udförts i Aarene 1891-92. *Meddel. Grönland*, no. 19, 145. 1896.
- BAYLEY, WILLIAM SHIRLEY. The Basic Massive Rocks of the Lake Superior Region. IV. The Peripheral Phases of the Great Gabbro Mass of North-eastern Minnesota. *Journ. Geol. Chicago*, ii. 814, 1894; iii. 1, 1895. A.C.
- 2. Spherulitic Volcanics at North Haven, Maine. *Bull. Geol. Soc. Am.* vi. 474. 1895. A.C.
- 3. A Summary of Progress in Petrography in 1895. 8vo. Waterville (Me.) 1896. [A.C. from *Am. Nat.*]
- 4. See VAN HISE, C. R., &c.
- BEASLEY, H. C. An Attempt to Classify the Footprints from the Trias of this District [Liverpool]. *Proc. Liverp. Geol. Soc.* vii. 391. 1896.
- BECK, R. Section Sebnitz-Kirmitschthal. Blatt 85. *Erläut. geol. Specialkarte, Sachsen*, Blatt 85. 1895. And Map $\frac{1}{25,000}$.
- 2. Einige Beobachtungen im Gebiete der Altenberg-Zinnwalder Zinnerz-lagerstätten. *Zeitschr. f. prakt. Geol.* 1896, 148. 1896.
- , & J. HIBSCH. Section Grosser Winterberg-Tetschen, Blatt 104. *Erläut. geol. Specialkarte, Sachsen*, Blatt 104. 1895. And Map $\frac{1}{25,000}$.

- *BECKE, F. Gesteine der Columbretes. *Min. petr. Mitth.* n. F. xvi. 155, 309. 1896.
- 2. Ueber Beziehungen zwischen Dynamometamorphose und Molecularvolumen. *N. J. f. Min.* 1896. 182. 1896.
- BECKER, GEORGE F. Distribution of Gold Deposits in Alaska. *Journ. Geol. Chicago*, iii. 960. 1895.
- 2. Gold-fields of the Southern Appalachians. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iii. 251. 1895.
- 3. Schistosity and Slaty Cleavage. *Journ. Geol. Chicago*, iv. 429. 1896. And A.C.
- BECKER, H. Grigna und Brianza. *Zeitschr. f. prakt. Geol.* 1896, 367. 1896.
- BÉCLARD, FERD. Les Spirifères du Coblenzien belge. *Bull. Soc. belge Géol. Brux.* ix. *Mém.* 129. 1896. And A.C.
- BEECHER, C. E. James Dwight Dana. *Am. Geol.* xxiii. 1. 1896. And A.C.
- 2. On a supposed Discovery of the Antennæ of Trilobites by Linnaeus in 1759. *Am. Geol.* xvii. 303. 1896. And A.C.
- *— 3. On the Validity of the Family Bohemillidæ, Barrande. *Am. Geol.* xvii. 360. 1896. And A.C.
- *— 4. On the Occurrence of Silurian Strata in the Big Horn Mountains, Wyoming, and in the Black Hills, South Dakota. *Am. Geol.* xviii. 31. 1896.
- 5. The Morphology of *Triarthrus*. *Am. Journ. Sci.* ser. 4. i. 251. 1896.
- 6. —. *Geol. Mag.* dec. 4. iii. 193. 1896.
- BELL, DUGALD. On the Orientation of Boulders. *Trans. Edinb. Geol. Soc.* vii. 108. 1895.
- 2. Notes on Professor Bonney's 'Ice-work'—Glen Roy. *Geol. Mag.* dec. 4. iii. 319. 1896.
- 3. A Visit to Glen Roy. *Geol. Mag.* dec. 4. iv. 7. 1896.
- BELL, ROBERT. Proofs of the Rising of the Land around Hudson Bay. *Am. Journ. Sci.* ser. 4. i. 219. 1896.
- BELL, THOMAS. See ATKINSON, J. B., &c.
- *BELLOC, EMILE. Seuls et Barrages lacustres. *C. R. Assoc. franç. Av. Sci.* xxiv. pt. 1, 268; pt 2, 552. 1896.
- BEMMELEN, J. M. VAN. Sur la Composition, les Gisements et l'Origine de la Sidérose et de la Vivianite, dans le Derri inférieur des Hautes-tourbières du sud-est de la Province de Drenthe. *Arch. néerland. Sci.* xxx. 25. 1896.
- BENECKE, E. W. Bemerkungen über die Gliederung der oberen alpinen Trias und über alpinen und auseralpinen Muschelkalk. *Ber. naturf. Gesell. Freiburg i. B.* ix. 221. 1895.
- BENOIT, —. See GREGORIO, MARQUIS A. DE.
- BENSAUDE, ALFREDO. Alguns Topicos de uma Theoria das Anomalias opticas dos Crystaes. *Rev. Sci. nat. e soc. Porto*, iv. 73. 1896.
- 2. Note sur la Corrosion d'un Alun biréfringent. *Comm. Dir. Trab. géol. Portugal*, iii. 13. 1896.
- BENT, J. THEODORE. A Visit to the Northern Soudan. *Geogr. Journ.* viii. 335. 1896.
- BERENDT, G. Mittheilung über Ergebnisse seiner Aufnahmen in der Colberger Gegend. *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv. p. lxx. 1895.
- 2. Vier weitere Theilstücke der grossen südlichen baltischen Endmoräne. *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv. 222. 1895.
- , & K. KEILHACK. Endmoränen in der Provinz Posen. [Map $\frac{1}{600,000}$] *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv. 235. 1895.
- BERGÉAT, ALFRED. Der Stromboli als Wetterprophet. *Zeitschr. deutsch. geol. Gesell.* xlvi. 153. 1896.
- BERGERON, J. Observations relatives aux deux dernières Notes de M. Miquel. [Montagne Noire, Hérault.] *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. pp. lxxv, xcvi. 1895.
- 2. Notes Paléontologiques. [Crustacés: *Calymenopsis*, *Dictyocephalites*, *Amphion*, *Dicelloccephalus*, *Asaphelina*, *Ogygia*, & *Æglina*.] *Bull. Soc. géol. France*, ser. 3, xxiii. 465. 1895.
- 3. Remarques relatives à deux Notes de M. Miquel [Sur la Géologie des Terrains primaires du Département de l'Hérault. Le Cambrien et l'Arenig.—Stratigraphie générale]. *Bull. Soc. géol. France*, ser. 3, 1895, xxiii. 337. 1895.
- 4. Montagne Noire. *Bull. Serv. Carte géol. France*, viii. (no. 53) 95. 1896.
- 5. See ROUVILLE, P. G. DE, &c.

- BERGHELL, HUGO. Beskrifning till Kartbladet no. 29, Lavansaari. [Map $\frac{1}{250,000}$] *Finlands geol. Undersökn.* 1896.
- 2. Bidrag till Kännedomen om södra Finlands kvartära Nivåförändringar. [Map, S. Finland & St. Petersburg District, $\frac{1}{300,000}$] *Bull. Comm. géol. Finlande*, no. 5, 1, 1896; & *Fennia*, xiii. no. 2, 1, 1896. A.C.
- , & BENJ. FROSTERUS. Beskrifning till Kartbladet no. 28, Sakkijärvi [Map $\frac{1}{250,000}$]. *Finlands geol. Undersökn.* 1896.
- BERNARD, FÉLIX. Note préliminaire sur le Développement et la Morphologie comparée de la Charnière des Lamellibranches. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. xxxvii. 1895.
- 2. Première Note sur le Développement et la Morphologie de la Coquille chez les Lamellibranches. *Bull. Soc. géol. France*, ser. 3, 1895, xxiii. 104. 1895.
- 3. Deuxième Note sur le Développement et la Morphologie de la Coquille chez les Lamellibranches (Taxodontes). *Bull. Soc. géol. France*, ser. 3, xxiv. 54. 1896.
- BERNARD, H. M. See LYDEKKER, R., &c.
- BERTHELOT, —. Sur les Mines de Cuivre du Sinaï, exploitées par les anciens Égyptiens. *C. R. Acad. Sci. Paris*, cxxiii. 365. 1896.
- BERTOLIO, S. Sur le Massif volcanique de Siliqua (Sardaigne méridionale). *Bull. Soc. géol. France*, ser. 3, 1895, xxiii. 437. 1895.
- BERTRAND, C. EG. Nouvelles Remarques sur le Kerosene Shale de la Nouvelle-Galles du Sud. *C. R. Acad. Sci. Paris*, cxxiii. 615. 1896.
- BERTRAND, MARCEL. Sur les Plis des Environs de Rians, en Provence. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. xcii. 1895.
- 2. La Tarentaise au Nord de l'Isère. *Bull. Serv. Carte géol. France*, viii. (no. 53) 145. 1896.
- 3. Essai de Reconstitution de la Géographie des Temps carbonifères. *Bull. Soc. géol. France*, ser. 3, xxiv. 24. 1896.
- 4. Sur les Schistes du Mont Jovet. *Bull. Soc. géol. France* [Maps], ser. 3, xxiv. 140. 1896.
- 5. See MICHEL-LÉVY, A., &c.
- , & ETIENNE RITTER. Sur la Structure du Mont Joly, près Saint-Gervais (Haute-Savoie). *C. R. Acad. Sci. Paris*, cxxii. 289. 1896.
- BERWERTH, F. See RAIMANN, E.
- BEUGRAND, CH. La Boléite. *Bull. Soc. géol. Norm.* xvi. 68. 1896.
- BEUSHAUSEN, L. Vorläufige Mittheilung über Aufnahmen auf dem Blatte Zellerfeld. *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv. p. xxv. 1895.
- 2. Ueber die Aufnahmen der Blätter Polssen, Passow und Cunow. *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv. p. lxii. 1895.
- 3. Ueber einige Ergebnisse seiner vorjährigen Aufnahmen im Oberharze. *Zeitschr. deutsch. geol. Gesell.* xlviii. 223. 1896.
- , & A. DENCKMANN. Schalsteinbreccie bei Langenaubach. *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv. *Abh. Mitarb.* 182. 1895.
- BEYER, E. Beitrag zur Kenntniss der Fauna des Kalkes von Haina bei Waldgirmes (Wetzlar). *Ver. naturh. Ver. preuss. Rheinl.* liii. 56. 1896. A.C.
- BEYNON, RICHARD. Emery. *Knowledge*, xix. 210. 1896.
- BEYRICH, E., W. HAUCHECORNE, &c. Carte géologique internationale de l'Europe (49 feuilles à l'échelle de $\frac{1}{1,500,000}$.) Livraison I, contenant les feuilles A i, A ii, B i, B ii, C iv, D iv, et Gamme des couleurs. [Iceland, Northern Germany & Schleswig-Holstein, Holland, Belgium, Western Russia, Northern Austria.] Berlin, 1894.
- BEYSCHLAG, F. Das Montanwesen auf der Millenniums-Ausstellung zu Budapest. *Zeitschr. f. prakt. Geol.* 1896, 461. 1896.
- , — HELLRIEGEL, & — OHLMÜLLER. Versalzung der Saale und Elbe. [Abstract, with Maps.] *Zeitschr. f. prakt. Geol.* 1896, 69. 1896.
- BIGGER, FRANCIS JOSEPH. Prehistoric Settlements at Portnateadog, in the Parish of Moyrus, Connemara. *Proc. R. Irish Acad.* ser. 3, iii. 727. 1896.
- BIGOT, A. Contributions à l'Étude de la Faune jurassique de Normandie. 2e Mémoire. Sur les Opis. *Mém. Soc. Linn. Norm.* xviii. 153. 1895.
- 2. Compte-rendu des Excursions géologiques [Valognes (Manche)]. *Bull. Soc. Linn. Norm.* ser. 4, ix. p. lii. 1896.
- 3. Feuille des Pieux (Région dévonienne). *Bull. Serv. Carte géol. France*, viii. (no. 53) 53. 1896.
- 4. Nérimaïdées du Séquanien de Cordebugle (Calvados). *Bull. Soc. géol. France*, ser. 3, xxiv. 29. 1896.
- 5. Note sur des Reptiles jurassiques du Calvados. *Bull. Soc. géol. France*, ser. 3, xxiv. 234. 1896.

- BIRKINBINE, JOHN. The Production of Iron Ores in various parts of the World. [Maps of occurrence of Iron Ores, North America, 1 inch = 425 miles; South America, 1 inch = 600 miles; Europe, 1 inch = 300 miles; Asia, 1 inch = 650 miles; Africa, 1 inch = 625 miles; Oceania, 1 inch = 700 miles.] *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iii. 21. 1895.
- BITTNER, A. Lamellibranchiaten der Alpenen Trias. I. Revision der Lamellibranchiaten von Sct. Cassian. *Abh. k.-k. geol. Reichsanst.* xviii. 1. 1895.
- 2. Ueber zwei ungenügend bekannte brachyure Crustaceen des Vicentinischen Eocäns. *Sitz. k. Akad. Wissen. Wien, civ. Math.-naturw. Cl.* 247. 1895.
- 3. Ein von Dr. E. Böse neuentdeckter Fundpunkt von Brachiopoden in den norischen Hallstätter Kalken des Salzkammergutes, zwischen Rossmoos- und Hütteneckalpe. *Verh. k.-k. geol. Reichsanst.* 1895, 367. 1895.
- 4. Neubearbeitung der Lamellibranchiaten von Sct. Cassian. *Verh. k.-k. geol. Reichsanst.* 1895, 369. 1895.
- 5. Bemerkungen zur neuesten Nomenclatur der alpinen Trias. 8vo. Vienna, 1896. A.C.
- 6. Dachsteinkalk und Hallstätter Kalk. 8vo. Vienna, 1896. A.C.
- 7. Eine neue Form der triadischen Terebratulidengruppe der Neocentronellien oder Juvavellinen. *Verh. k.-k. geol. Reichsanst.* 1896, 131. 1896. And A.C.
- 8. Neue Brachiopoden und eine neue *Halobia* der Trias von Balia in Kleinasien. *Jahrb. k.-k. geol. Reichsanst.* 1896, 249. 1896.
- 9. Ueber das Auftreten von *Oncophora*-Schichten bei Sct. Pölten und Traismauer in Niederösterreich. *Verh. k.-k. geol. Reichsanst.* 1896, 323. 1896.
- 10. Ueber die geologischen Aufnahmearbeiten im Gebiete der Traisen, der steyrischen Salza und der Pielach während des Sommers 1896. *Verh. k.-k. geol. Reichsanst.* 1896, 331. 1896.
- BIZET, PAUL. Feuille de la Flèche. *Bull. Serv. Carte géol. France*, viii. (no. 53) 54. 1896.
- 2. Note sur les limites du Terrain callovien dans le Nord-Ouest de la France. *Bull. Soc. géol. Norm.* xvi. 120. 1896.
- BJÖRLYKKE, K. O. Gausdal. Fjeldbygningen in den rektangelkartet Gausdals omraade. *Norges geol. Undersög.* no. 13, 1. 1893.
- 2. Höifjeldskvartsens nordöstligste Udbredelse. *Norges geol. Undersög.* no. 14, 60. 1894.
- BLAAS, J. Ueber Serpentin und Schiefer aus dem Brennergebiete. *Verh. k. Leop.-Carol. deutsch. Akad. Naturf.* lxiv. 1. 1895.
- 2. Ueber die geologische Position einiger Trinkwasserquellen in den Alpen. *Zeitschr. f. prakt. Geol.* 1896, 59, 194, 217. 1896.
- 3. Ueber eine neue Methode der Bezeichnung und Darstellung geologischer Ebenen. *Zeitschr. f. prakt. Geol.* 1896, 365. 1896.
- 4. Ueber Terrainbewegungen bei Bruck und Imming im vorderen Zillerthale. *Verh. k.-k. geol. Reichsanst.* 1896, 226. 1896.
- 5. Vom Eggenhal. *Verh. k.-k. geol. Reichsanst.* 1896, 227. 1896.
- BLACK, J. S. Journey round Siam. *Geogr. Journ.* viii. 429. 1896.
- BLACKMORE, H. P. Some Notes on the *Aptychi* from the Upper Chalk. *Geol. Mag.* dec. 4, iii. 529. 1896.
- BLAKE, J. H., & HORACE W. MONCKTON. Excursion to Reading. *Proc. Geol. Assoc.* xiv. 411. 1896. And A.C.
- BLAKE, WILLIAM P. Cinnabar in Texas. *Trans. Am. Inst. M. E.* xxv. 68. 1896.
- 2. Notes and Recollections concerning the Mineral Resources of Northern Georgia and Western North Carolina. *Trans. Am. Inst. M. E.* xxv. 796. 1896. And A.C.
- BLANCKENHORN, MAX. Theorie der Bewegungen des Erdbodens. *Zeitschr. deutsch. geol. Gesell.* xlvi. 352. 1896.
- 2. Nachtrag zu dem Aufsätze "Ueber Bewegungen des Erdbodens." *Zeitschr. deutsch. geol. Gesell.* xlvi. 421. 1896.
- BLANFORD, W. T. On the Papers by Dr. Kossmat and Dr. Kurtz, and on the ancient Geography of "Gondwana-land." *Rec. Geol. Surv. Ind.* xxix. 52. 1896.
- BLANKETT, H. Om Vålímäki Malmfält, jämte några andra geologiska Data från Sordavala Socken i Östra Finland. [Map, 1-200,000.] *Geol. Fören. Stockh. Förh.* xviii. 201. 1896.
- *BLATCHLEY, W. S. A Preliminary Report on the Clays and Clay Industries of the Coal-bearing Counties of Indiana. *Ann. Rep. Depart. Geol. Indiana*, xx. 1895, 24. 1896.
- BLAYAC, JOSEPH. Sur l'Extension de la Zone à Phosphate de Chaux de l'Éocène inférieur en Algérie. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. clxxv. 1895.
- *— 2. Généralités sur le Suessonien à Phosphate de Chaux d'Algérie. *C. R. Assoc. franç. Av. Sci.* xxiv. pt. 1, 268. 1896.

- BLAYAC, J. 3. Sur le Crétacé inférieur de la Vallée de l'Oued Cherf (Province de Constantine). *C. R. Acad. Sci. Paris*, cxxiii. 958. 1896.
— See RÉPELIN, —.
- *BLEICHER, —. Coloration des Plaques minces de Roches sédimentaires calcaires. [*Lithothamnium*.] *C. R. Assoc. franç. Av. Sci.* xxiv. pt. 2, 505. 1896.
— 2. Sur la découverte d'un Gisement de Terrain tertiaire terrestre fossilifère dans les Environs de Liverdun (Meurthe-et-Moselle). *C. R. Acad. Sci. Paris*, cxxii. 149. 1896.
- BLOMBERG, ALBERT. Beskrifning till Kartbladet Vittsjö. [Map, $\frac{1}{50,000}$.] *Sver. Geol. Undersökn.* ser. Aa, no. 113, 1. 1895.
— 2. Praktiskt geologiska Undersökningar inom Gefleborgs Län. [Map, $\frac{1}{10,000,000}$.] *Sver. geol. Undersökn. Afh.* ser. C, no. 152, 1. 1895.
- BOCHET, L. See MICHEL-LÉVY, A., &c.
- BÖCKH, JOHANN. Directions-Bericht. *Jahresb. k.-ung. geol. Anst.* 1893, 5. 1895.
- BODENBENDER, GUILLERMO. Sobre la Edad de algunas Formaciones carboníferas de la República Argentina. *Rev. Mus. La Plata*, vii. 129. 1895.
— 2. Ueber Silur, Devon, Carbon und die *Glossopteris*-Stufe in der Gegend von Jachal im nordwestlichen Argentinien. *Zeitschr. deutsch. geol. Gesell.* xlviii. 183. 1896.
- BOEHM, JOH. Ein Ausflug in's Plessurgebirge. *Zeitschr. deutsch. geol. Gesell.* xlvii. 548. 1895.
- BOGDANOWITSCH, K. See SUSS, E.
- BOISSELLIER, A. See MICHEL-LÉVY, A., &c.
- BOISTEL, —. Sur le Miocène supérieur de la Bordure du Jura des Environs d'Ambérieu. *Bull. Soc. géol. France*, ser. 3, 1894, xxii. 628. 1895.
— 2. Sur la Structure géologique de la Lisière Tertiaire du Jura aux Environs d'Ambérieu (Ain). *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. vi. 1895.
- BOLDT, R. Djupkarta öfver Lojo Sjö. Östra halften. [Map, $\frac{1}{350,000}$.] *Vet. Meddel. geogr. Fören. Finland*, iii. 112. 1896.
- BOLTON, HERBERT. On the Occurrence of the Genus *Listracanthus* in the English Coal-measures. *Geol. Mag.* dec. 4, iii. 425. 1896.
— 2. The Geology of North-east Lancashire in its relation to the Physical Geography. *Trans. Manch. Geol. Soc.* xxiv. 56. 1896.
— 3. —. *Coll. Guard.* lxxi. 226. 1896.
- BONAPARTE, PRINCE ROLAND. Mesures des Variations de Longueur des Glaciers de la Région française. *C. R. Acad. Sci. Paris*, cxxii. 1153. 1896.
- BONARELLI, GUIDO. Fossili domeriani della Brianza. *Rendic. R. Ist. lomb. Sci.* ser. 2, xxviii. 326, 415. 1895.
— 2. Nuovi Affioramenti aleniani dell' Apennino centrale. *Boll. Soc. geol. ital.* xv. 277. 1896.
*— 3. Sulla Presenza del Caloviano nell' Apennino centrale. *Riv. ital. Paleont. Bologna*, ii. 85. 1896.
*— 4. Sulla Età dei Calcari marnoso-arenacei varicolori di Pietracutale e Bocchigliero in Calabria. *Riv. ital. Paleont. Bologna*, ii. 259. 1896.
— See PARONA, S. C. C. F.
- BONILLA, JOSÉ A. Y. See BREZINA, A.
- BONNEAU, —. Les nouveaux Avens de Saint-Cristol (Vaucluse). *Spelunca*, i. 98. 1895.
- BONNEY, T. G. Ice-work, present and past. 8vo. London, 1896.
— 2. On a Pebbly Quartz-Schist from the Val d'Anniviers (Pennine Alps). *Geol. Mag.* dec. 4, iii. 400. 1896.
— 3. The Serpentine, Gneisso d, and Hornblende-Rocks of the Lizard District. *Q. J. G. S.* li. 17. 1896. And A.C.
— See ASTON, Miss E.
— See FEILDEN, H. W.
— See HYNDMAN, H. H. F.
- *BONOMI, IVANOE. Contributo alla Conoscenza dell' Ittiofauna miocenica di Mondaino. *Riv. ital. Paleont. Bologna*, ii. 199. 1896.
- BORCHGREVINK, C. E. A Voyage to the Antarctic Sea. *Rep. Brit. Assoc. Adv. Sci.* 1895, 750. 1895.
— See DAVID, T. W. E.
- BORDEAUX, A. Die Erzlagerstätten Bosniens. *Zeitschr. f. prakt. Geol.* 1896, 443. 1896.
- BÖSE, E. Zur Geologie der Monti Picentini bei Neapel. *Zeitschr. deutsch. geol. Gesell.* xlviii. 202. 1896.
—, & G. DE LORENZO. Per la Geologia della Calabria settentrionale. *Atti R. Acc. Lincei*, ser. 5, *Rendic.* v. ser. 2, 114. 1896.

- *BOSSHARD, A. Das züricherische Oberland. *Jahrb. Schw.-Alpenclub*, xxxi. 267. 1896.
- BOULE, MARCELLIN. Révision du Cantal au 320,000°. *Bull. Serv. Carte géol. France*, viii. (no. 53) 62. 1896.
- 2. Feuille de Privas. *Bull. Serv. Carte géol. France*, viii. (no. 53) 109. 1896.
- 3. Feuilles de Tarbes et St.-Gaudens. *Bull. Serv. Carte géol. France*, viii. (no. 53) 126. 1896.
- 4. Le Cadurcotherium. *C. R. Acad. Sci. Paris*, cxvii. 1150. 1896.
- 5. Note sur le Cadurcotherium. *Bull. Soc. géol. France*, ser. iii. xxiv. 286. 1896.
- BOULENGER, G. A. On a Nothosaurian Reptile from the Trias of Lombardy apparently referable to *Lariosaurus*. *Trans. Zool. Soc. London*, xiv. 1. 1896.
- BOULTBEE, J. W. See HUTCHINSON, F., &c.
- BOURDAKOV, V. J., & J. M. HENDRIKHOV. Description de l'Exploitation de Platine, située dans l'Arrondissement minier de Goroblagodat (Kouchva), avec un court Aperçu historique de l'Industrie du Platine en Russie. *Bull. Soc. oural. Sci. nat.* xiv. 1. 1896.
- BOURGEAT, —. Quelques Observations nouvelles sur les Lapiez, le Glaciaire et la Mollasse dans le Jura. *Bull. Soc. géol. France*, ser. 3, 1895, xxiii. 414. 1895.
- BOURGEOIS, R. Sur la Région de Diego Suarez (Madagascar). *C. R. Acad. Sci. Paris*, cxvii. 1507. 1896.
- *BRADLEY, L. An Inquiry into the Deposition of Lead Ore in the Mineral Veins of Swaledale, Yorkshire. 8vo. London, 1862.
- BRADY, F., G. P. SIMPSON, & NATH. R. GRIFFITH. The Kent Coalfield. [Map, S. England & Belgium, 1 inch=13 miles.] *Trans. Fed. Inst. M. E.* xi. 540. 1896.
- , —, — 2. —. *Coll. Guard.* lxxii. 116. 1896.
- BRANNER, JOHN C. Decomposition of Rocks in Brazil. *Bull. Geol. Soc. Am.* vii. 255. 1896.
- 2. Thickness of the Palæozoic Sediments in Arkansas. [Map, 1 inch=60 miles.] *Am. Journ. Sci.* ser. 4, ii. 229. 1896.
- BRASIL, LOUIS. Céphalopodes nouveaux ou peu connus des Étages jurassiques de Normandie. *Bull. Soc. géol. Norm.* xvi. 27. 1896.
- 2. Remarques sur la Constitution du Toarcien supérieur dans le Calvados. *Bull. Soc. Linn. Norm.* ser. 4, ix. 147. 1896.
- BRAUER, A. The Seychelles. *Geogr. Journ.* viii. 372. 1896.
- *BRAUNS, REINHARD. Chemische Mineralogie. 8vo. Leipzig, 1896.
- BRAY, A. H. The Deep Alluvial Leads in Corowa District, &c. *Rep. Mining Conference N.S.W.* 1896, 75. 1896.
- BRESSON, —. Feuille de Cahors. *Bull. Serv. Carte géol. France*, viii. (no. 53) 105. 1896.
- BREWER, WILLIAM M. The Gold-Regions of Georgia and Alabama. *Trans. Am. Inst. M. E.* xxv. 569. 1896.
- 2. See SMITH, E. A.
- BREZINA, ARISTIDES. Die Meteoritensammlung des k.-k. naturhistorischen Hofmuseums am 1. Mai 1895. Mit zwei Anhängen: 1. Berichte des Directors der Sternwarte Zacatecas. Prof. José A. y Bonilla, über den Meteoritenfall von Mazapil. 2. Die Meteoritensammlung der Universität Tübingen. *Ann. k.-k. nat.-hist. Hofmus. Wien*, x. 231. 1896.
- BRIART, A. Note sur la Légende du Calcaire carbonifère. *Ann. Soc. géol. Nord*, xxiii. 146. 1896.
- BRICE, ARTHUR MONTEFIORE. The Jackson-Harmsworth Polar Expedition. *Geogr. Journ.* viii. 543. 1896.
- BRIERLEY, HARWOOD. The Yorkshire Gypsey-springs. *Nature*, liii. 177. 1896.
- 2. A Yorkshire Aerolite. *Nature*, liii. 230. 1896.
- BRIVE, A. Note sur les Terrains pliocènes du Dahra (Algérie). *Bull. Soc. géol. France*, ser. 3, xxiii. 592. 1896.
- 2. Réponse aux Observations de M. Welsch au sujet de ma Note sur le Pliocène du Dahra. *Bull. Soc. géol. France*, ser. 3, xxiv. 283. 1896.
- See WELSCH, J.
- BROADHEAD, G. C. The Devonian of North Missouri, with notice of a new fossil [*Pleurotomaria*]. *Am. Journ. Sci.* ser. 4, ii. 237. 1896.
- BROCARD, —. Spéléologie de la Meuse. *Spelunca*, ii. 14. 1896.
- BROCK, R. W. See MILLER, W. G.
- BRODIE, P. B. Presidential Address, 1895. *Proc. Warwick. Field Club*, 1895, 3. 1896. And A.C.

- BRODIE, P. B. 2. The Reign of Dinosaurs. *Proc. Warwick. Field Club*, 1895, 20. 1896. And A.C.
- 3. Notes on a Section of the Upper Keuper on the Railway Line from Rowington to Henley-in-Arden. *Proc. Warwick. Field Club*, 1895, 58. 1896. And A.C.
- 4. On the Sandstones in the Upper Keuper in Warwickshire. *Geol. Mag.* dec. 4, iii. 154. 1896.
- BRÜGGER, W. C. Lagfølgen på Hardangervidda og den såkaldte "Højfjeldskvarts." *Norges geol. Undersøg.* no. 11, 1. 1893.
- 2. Die Eruptivgesteine des Kristianiagebietes.—II. Die Eruptionsfolge der triadischen Eruptivgesteine bei Predazzo in Südtirol. *Vidensk. Skrifter Krist. I. Math.-nat. Kl.* 1895, no. 7, 1. 1895. A.C.
- BROOKE, J. P. Natural Features of Israelite Bay [near Esperance Bay, Western Australia]. *Rep. Australasian Assoc. Adv. Sci.* 1895, vi. 561. 1896.
- *BROOKS, W. K. Lamarck and Lyell: a short way with Lamarckians. *Nat. Sci.* viii. 89. 1896.
- *— 2. Lyell and Lamarckism. *Nat. Sci.* ix. 115. 1896.
- See CUNNINGHAM, J. T.
- BROOM, R. Report on a Bone Breccia Deposit near the Wombeyan Caves (N.S.W.); with Descriptions of some new Species of Marsupials. *Proc. Linn. Soc. N.S.W.* xxi. 48. 1896.
- 2. On a small fossil Marsupial with large grooved Premolars. *Proc. Linn. Soc. N.S.W.* ser. 2, x. 563. 1896.
- BROUGH, BENNETT H. Mining at Great Depths. *Journ. Soc. Arts*, xlv. 57. 1896. And A.C.
- 2. —. *Coll. Guard.* lxxii. 1170. 1896.
- BROWN, AMOS P. The Crystallization of Molybdenite. *Proc. Acad. Nat. Sci. Philad.* 1896, 210. 1896.
- BROWN, C. BARRINGTON, & JOHN W. JUDD. The Rubies of Burma and Associated Minerals: their Mode of Occurrence, Origin, and Metamorphoses. A Contribution to the History of Corundum. *Phil. Trans. Roy. Soc.* 1896, clxxxvii. A. 151. 1896. A.C.
- BROWN, HORACE T. On a Recent Boring in the Trias at Stratford-on-Avon. *Geol. Mag.* dec. 4, iii. 54. 1896.
- BROWN, NICOL. The Necessity for Competent Geological Surveys of Gold Mines. *Proc. Geol. Assoc.* xiv. 212. 1896.
- 2. The Succession of the Rocks in the Pilgrims' Rest District. *Trans. Geol. Soc. S. Africa*, ii. 3. 1896.
- BROWN, W. FORSTER. The Transvaal Coalfield. [Map, 1 inch=16 miles.] *Proc. S. Wales Inst. Eng.* xx. 134. 1896.
- 2. —. *Coll. Guard.* lxxii. 837. 1896.
- BROWNE, FRANK. Japanese Coal. [Tubari Coal, Yezo.] *Chem. News*, lxxiv. 76. 1896.
- BROWNE, MONTAGU. Preliminary Notice of an Exposure of Rhætic Beds, near East Leake, Nottinghamshire. *Rep. Brit. Assoc. Adv. Sci.* 1895, 688. 1895.
- BRUCE, WILLIAM S. Cruise of the 'Balæna' and the 'Active' in the Antarctic Seas, 1892-93. I. The 'Balæna.' *Geogr. Journ.* vii. 502. 1896. [See DONALD, C. W.]
- *BRÜCKNER, EDUARD. Veränderungen der Erdoberfläche im Umkreis des Kantons Zürich seit der Mitte des 17. Jahrhunderts. *Peterm. Mitt.* xlii. 232. 1896.
- See HANN, J.
- BRUGNATELLI, L. Beiträge zur Kenntniss der Krystallform optisch activer Substanzen. Ueber Santonin und einige seiner Derivate. *Zeitschr. f. Kryst.* xxvii. 78. 1896.
- BRUMELL, H. P. H. See INGALL, E. D.
- BRUSH, GEORGE J. Manual of Determinative Mineralogy: with an Introduction on Blowpipe Analysis. Revised and enlarged by SAMUEL L. PENFIELD. 14th edition. 8vo. New York, 1896.
- *BUCHRÜCKER, L. Die Montanindustrie im Grossherzogthum Baden. *Zeitschr. f. prakt. Geol.* 1896, 6. 1896.
- BÜCKING, H. Die Lagerungsverhältnisse im Grundgebirge des Spessarts. *Zeitschr. deutsch. geol. Gesell.* xlviii. 372. 1896.
- 2. Neues Vorkommen von Kalifeldspat, Turmalin, Apatit und Topas im Granit des Fichtelgebirges. *Ber. senckenberg. naturf. Gesell.* 1896. 145. 1896.
- BUCKMAN, S. S. Notes on Jurassic Ammonites. *Geol. Mag.* dec. 4, iii. 420. 1896.

- BUCKMAN, S. S., & F. A. BATHER. Can the Sexes in Ammonites be distinguished? *Nat. Sci.* iv. 427. 1894. A.C.
- , & E. WILSON. Dundry Hill, its Upper Portion, or the Beds marked as Inferior Oolite (g 5) in the Maps of the Geological Survey. [Map, 2 inches = 1 mile.] *Q. J. G. S.* lii. 669. 1896.
- BUELL, IRA M. Boulder Trains from the Outcrops of the Waterloo Quartzite Area. [Maps.] *Trans. Wisconsin Acad. Sci.* x. 485. 1895.
- BUKOWSKI, GEJZA VON. Ueber den geologischen Bau des nördlichen Theiles von Spizza in Süddalmatien. *Verh. k.-k. geol. Reichsanst.* 1896, 95. 1896. And A.C.
- 2. Cephalopodenfunde in dem Muschelkalk von Braič in Süddalmatien. *Verh. k.-k. geol. Reichsanst.* 1895, 319. 1895.
- 3. Werfener Schichten und Muschelkalk in Süddalmatien. *Verh. k.-k. geol. Reichsanst.* 1896, 325. 1896.
- BUNKELL, H. B. Notes on the Venterskroon Goldfields, South African Republic. [Map, 1 inch = 4000 Cape roods.] *Trans. Fed. Inst. M. E.* xii. 186. 1896.
- BURCKHARDT, CARL. Monographie der Kreideketten zwischen Klönthal, Sihl und Linth. [Map, scale $\frac{1}{50,000}$.] *Beitr. geol. Karte Schweiz*, n. F. v. 1. 1896.
- BUREAU, ED. Sur quelques Palmiers fossiles d'Italie. *Bull. Mus. Hist. nat. Paris*, 1896, 280. 1896.
- BUREAU, LOUIS. See MICHEL-LÉVY, A., &c.
- BURRELL, B. A. Analyses of the Water from the Dropping Well at Knaresborough, in Yorkshire. *Journ. Chem. Soc.* lxi. 536. 1896.
- BURROWS, H. W. On the Stratigraphy of the Crag, with especial reference to the Distribution of the Foraminifera. *Rep. Brit. Assoc. Adv. Sci.* 1895, 677. 1895.
- See JONES, T. R.
- * —, & R. HOLLAND. Foraminifera of the Chalk and of To-day. *Nat. Sci.* viii. 101. 1896.
- BUTTGENBACH, H. Relation entre le Prisme hexagonal de la Tridymite et le Rhomboèdre du Quartz. *Ann. Soc. géol. Belg. Liège*, xxiii. p. cxix. 1896.
- 2. Sur un Groupement de Cristaux de Stibine. *Ann. Soc. géol. Belg. Liège*, xxiii. 3. 1896.
- 3. Sur les Figures inverses de Dureté de la Barytine. *Ann. Soc. géol. Belg. Liège*, xxiii. 29. 1896.
- 4. Sur le Réseau cristallin des Pyroxènes et des Amphiboles. *Ann. Soc. géol. Belg. Liège*, xxiii. 33. 1896.
- 5. Note sur la Christianite. *Ann. Soc. géol. Belg. Liège*, xxiii. 61. 1896.
- 6. Sur le Rutile, l'Anatase et la Brookite, et sur la Pseudobrookite. *Ann. Soc. géol. Belg. Liège*, xxiii. 75. 1896.
- BUSZ, K. On the Occurrence of Corundum produced by Contact-metamorphism on Dartmoor. *Geol. Mag.* dec. 4, iii. 492. 1896.
- 2. Ueber einige Eruptivgesteine aus Devonshire in England. *N. J. f. Min.* 1896, i. 57. 1896.
- CADELL, HENRY M. Gold-mining in the Hauraki District, New Zealand. [Map, 26,000 feet to 1 inch.] *Trans. Fed. Inst. M. E.* x. 389. 1896.
- 2. Notes on the Section in the new Haymarket Tunnel. *Trans. Edinb. Geol. Soc.* vii. 119. 1895.
- * — 3. The Geology and Scenery of Sutherland. 2nd edition. 8vo. Edinburgh, 1896.
- CADMAN, A. J. New Zealand. Mines Statement by the Minister of Mines, 1895. *Papers & Rep. Min. & Mining. N.Z.* 1895. (C. 2) 1. 1895.
- 2. Mines Statement, New Zealand. 1896. *Papers & Rep. Min. & Mining, N.Z.* (C. 2) 1. 1896.
- CALDERON, SALVADOR. Estructura del Terreno terciario del Guadalquivir en la Provincia de Sevilla. *Bol. Com. geol. España*, 1893, xx. 313. 1895.
- 2. Explosion d'un Bolide à Madrid. *Bull. Soc. géol. France*, ser. 3, xxiv. 117. 1896.
- * CALKER, F. T. P. VAN. A Scheme for perfecting the Determination of Boulders. *Glac. Mag.* iii. 132. 1895.
- 2. Ueber das Vorkommen von Erdpyramiden im Schwarzwalde. *N. J. f. Min.* 1896, i. 83. 1896.
- CALLAWAY, C. A Sketch of the Process of Metamorphism in the Malvern Crystallines. *Proc. Liverp. Geol. Soc.* vii. 453. 1896.
- 2. Notes on the Superficial Deposits of North Shropshire. *Geol. Mag.* dec. 4, iii. 482. 1896.
- CALOJERAS, J. P. Diamantlager von Agua Suja, Brasilien. *Zeitschr. f. prakt. Geol.* 1896, 413. 1896.

- CALVIN, SAMUEL. Third Annual Report of the State Geologist. *Iowa Geol. Surv.* iv. 19. 1895.
- 2. Geology of Allamakee County (Iowa). *Iowa Geol. Surv.* iv. 35. 1895.
- *— 3. The Buchanan Gravels: An Interglacial Deposit in Buchanan County, Iowa. *Am. Geol.* xvii. 76. 1896.
- *— 4. Apparent Anomalies of Stratification in the Postville Well (Iowa). *Am. Geol.* xvii. 195. 1896.
- CALVO, LEANDRO. Geologia de los Alrededores de Albarracin (Teruel). [Map, scale $\frac{1:100,000}{}$] *Bol. Com. Mapa geol. España*, 1893, xx. 319. 1895.
- CAMPBELL, H. D. See HOWE, J. L.
- CAMPBELL, MARIUS R. Drainage Modifications and their Interpretation. *Journ. Geol. Chicago*, iv. 567, 657. 1896.
- CAMPBELL, W. The Island of Formosa: its Past and Future. *Scot. Geogr. Mag.* xii. 385. 1896.
- CANAVARI, M. La Zona con *Aspidoceras acanthicum* nell' Apennino centrale. *Atti Soc. tosc. Sci. nat. Proc.-verb.* x. 117. 1896.
- CANTRILL, T. CROSBEE. The Wyre Forest Coalfield. *Coll. Guard.* lxxi. 351. 1896.
- CAPELLINI, GIOVANNI. Resti di Mastodonti nei Depositi marini pliocene della Provincia di Bologna. *Mem. R. Acc. Sci. Ist. Bologna*, ser. 5, iii. 363. 1893. A.C.
- 2. Litossilo con Lavori di Insetti già illustrati come Fichi fossili. [*Cycadeoidea*.] *Mem. R. Acc. Sci. Ist. Bologna*, ser. 5, lii. 426. 1893. A.C.
- 3. Nuovi Resti di Zifoidi in Calabria e in Toscana. *Atti R. Acc. Lincei*, ser. 5, *Rendic.* ii. sem. 1, 283. 1893. A.C.
- 4. Discorso di Apertura della xiii. Adunanza estiva tenuta in Massa Marittima nel Settembre, 1894. *Boll. Soc. geol. ital.* xiii. 132. 1894. A.C.
- 5. *Rhizocrinus Santagatai* e *Bathysiphon filiformis*. *Atti R. Acc. Lincei*, ser. 5, *Rendic.* ii. sem. 1, 211. 1894. A.C.
- 6. Rinoceronti fossili del Museo di Bologna. *Mem. R. Acc. Sci. Ist. Bologna*, ser. 5, iv. 337. 1894. A.C.
- 7. Rubble-Drift e Breccia ossifera nell' Isola Palmaria e nei Dintorni del Golfo di Spezia. *Mem. R. Acc. Sci. Ist. Bologna*, ser. 5, v. 245. 1895. A.C.
- 8. Di una Caverna ossifera presso Pegazzano nei Dintorni di Spezia. *Atti R. Acc. Lincei*, ser. 5, *Rendic.* 1896, sem. 1, v. 78. 1896. And A.C.
- , & Conte E. SOLMS-LAUBACH. I Tronchi di Bennettite dei Musei italiani. [*Cycadeoidea*.] *Mem. R. Acc. Sci. Ist. Bologna*, ser. 5, ii. 161. 1892.
- CARD, GEORGE W. Mineralogical and Petrological Notes, no. 4. [Pickeringite, Tetradymite, Diamond, Stolzite, Nantokite, Gold, Silver Ores, Trachytic Tuff; N.S.W. Rocks.] *Rec. Geol. Surv. N.S.W.* v. 6. 1896.
- 2. Ottrelite-Phyllite from near Wattle Flat. *Rec. Geol. Surv. N.S.W.* v. 31. 1896.
- 3. The Occurrence of Copper at the Dottswood Mine, Queensland. [Map, 200 feet to 1 inch.] *Rec. Geol. Surv. N.S.W.* v. 39. 1896.
- CAREZ, L. Annuaire géologique universel. France. *Ann. géol. univ.* 1894, xi. 1. 1896.
- 2. Feuilles de Foix, Bagnères-de-Luchon, Luz et Tarbes. *Bull. Serv. Carte géol. France*, viii. (no. 53) 126. 1896.
- 3. Sur l'Âge des Schistes ardoisiers des Environs de Bagnères-de-Bigorre (Hautes-Pyrénées) et de Saint-Lary (Ariège) et sur l'Époque d'Apparition de diverses Roches éruptives dans la Région pyrénéenne. *Bull. Soc. géol. France*, ser. 3, xxiv. 379. 1896.
- , & A. PERON. Annuaire géologique universel, 1895, xii. 8vo. Paris, 1896.
- CARNE, JOSEPH E. Progress Report for 1895. [Chrome Deposits of the Gundagai and Tumut Districts; Toolong and Bogong Gold-fields; Bywong Gold-field; Batlow Auriferous Deposit; Big Hill Reefs near Bateman's Bay; Lionsville Cinnabar Deposit; Coramba and Bucca Creek Reefs; Esk River Auriferous Sands.] [Maps, Gundagai and Tumut Districts Chromite Deposits, $\frac{1}{63,360}$, Bywong Gold Diggings $\frac{1}{63,360}$.] *Ann. Rep. Depart. Mines, N.S.W.* 1895, 124. 1896.
- 2. Report on the Auriferous Beach Sands of the Esk River and Jerusalem Creek, in the Parish of Esk, Richmond Co. (N.S.W.). *Rep. Mining Conference, N.S.W.* 1896, 86. 1896.
- CARNOT, ADOLPHE. Sur le Mode de Formation des Gites sédimentaires de Phosphate de Chaux. *C. R. Acad. Sci. Paris*, cxxiii. 724. 1896.
- 2. Sur les Variations observées dans la Composition des Apatites, des Phosphorites et des Phosphates sédimentaires. Remarques sur le Gisement et le Mode de Formation de ces Phosphates. *Ann. Mines, Paris*, ser. 9, x. 137. 1896.

- CARNOT, ADOLPHE. 3. Sur les Variations observées dans la Composition des Apatites. *Bull. Soc. franç. Min.* xix. 135. 1896.
 — 4. —. *C. R. Acad. Sci. Paris*, cxvii. 1375. 1896.
- CARR, J. W. See COKE, G. E.
- CARTHAUS, EMIL. Die Sandberger'sche Erzgangtheorie. *Zeitschr. f. prakt. Geol.* 1896, 107. 1896.
- CARTON, —. Variations du Régime des Eaux dans l'Afrique du Nord. *Ann. Soc. géol. Nord*, xxiv. 29. 1896.
- CASE, E. C. Experiments in Ice Motion. *Journ. Geol. Chicago*, iii. 918. 1895.
 — 2. On the Analysis of the Deposit from a Chalybeate Water. *Trans. Kansas Acad. Sci.* xiv. 36. 1896.
- CASSETTI, M. Osservazioni geologiche eseguite l'anno 1894 in alcune Parti dell' Apennino meridionale. *Boll. R. Com. geol. Ital.* xxvi. 329. 1895.
- CAYEUX, L. De l'Existence de nombreux Radiolaires dans le Tithonique supérieur de l'Ardèche. *Ann. Soc. géol. Nord*, xxiv. 19. 1896.
 — 2. Feuille d'Alais. *Bull. Serv. Carte géol. France*, viii. (no. 53) 110. 1896.
 — 3. Structure bréchoïde du Tithonique supérieur du Sud de l'Ardèche. *C. R. Acad. Sci. Paris*, cxvii. 1560. 1896.
 — 4. Sur la Constitution des Phosphates de Chaux suessoniens du Sud de la Tunisie. *C. R. Acad. Sci. Paris*, cxviii. 273. 1896.
 —. See KILIAN, W., &c.
- CAZIOT, —. Étude sur le Tongrien inférieur des Environs de Nîmes. *Bull. Soc. géol. France*, ser. 3, xxiv. 34. 1896.
- CERULLI, IRELLI S. Molluschi fossili del Pliocene nella Provincia di Teramo. *Boll. Soc. geol. ital.* xv. 9. 1896.
- CESARO, G. Groupement octuple dans le Rutile. *Ann. Soc. géol. Belg. Liège*, xxiii. p. lxxx. 1896.
- CHAIGNON, H. DE. Carte des Environs de Condal (Saône-et-Loire). *Bull. Soc. géol. France*, ser. 3, 1894, xxii. 659. 1895. [Map.]
 — 2. Sur la Présence de Dépôts calcaires provenant de l'Altération des Basaltes de la Butte de Marcoux-Gouttetas, près Boën (Loire). *Bull. Soc. géol. France*, ser. 3, 1895, xxiii. 421. 1895.
- CHALMERS, DAVID P. British Guiana. *Scot. Geogr. Mag.* xii. 125. 1896.
- CHALMERS, ROBERT. Report on the Surface Geology of Eastern New Brunswick, North-western Nova Scotia, and a portion of Prince Edward Island, to accompany $\frac{1}{4}$ sheet Maps, no. 2 S.E., no. 5 S.W., and no. 4 N.W., scale ($\frac{1}{500,000}$). *Ann. Rep. Geol. Surv. Canada*, n. s. vii. pt. M, 1. 1896.
 — 2. Pleistocene Marine Shore-Lines on the South side of the St. Lawrence Valley. *Am. Journ. Sci.* ser. 4, i. 302. 1896.
- CHAMBERLIN, T. C. Glacial Studies in Greenland, ix. *Journ. Geol. Chicago*, iv. 582. 1896.
- CHAPMAN, FREDERICK. On some Pleistocene Ostracoda from Fulham. *Proc. Geol. Assoc.* xiv. 299. 1896.
 — 2. On some Pliocene Ostracoda from near Berkeley (Cal.). *Bull. Geol. Univ. Cal.* ii. 93. 1896.
 — 3. The Foraminifera of the Gault of Folkestone. VIII. *Journ. R. Micr. Soc.* 1896, 1. 1896.
 —. See JONES, T. R.
 —. See STRAHAN, A.
- CHAPUY, —. Constitution of the Southern Portion of the Valenciennes Coal-field. *Coll. Guard.* lxxi. 983. 1896.
- CHARLTON, A. G. The Indian Gold-fields. *Trans. Fed. Inst. M. E.* xi. 345. 1896.
- CHARTRON, —, & J. WELSCH. Sur la Succession des Faunes du Lias supérieur et du Bajocien dans les Environs de Luçon (Vendée). *C. R. Acad. Sci. Paris*, cxviii. 132. 1896.
- CHASE, HARVEY S. Southern Magnetites and Magnetic Separation. *Trans. Am. Inst. M. E.* xxv. 551. 1896.
- CHAUVEL, G., & E. RIVIÈRE. Le Gisement quaternaire de la Micoque (Dordogne). *C. R. Acad. Sci. Paris*, cxviii. 401. 1896.
- CHELIUS, C. Der Marmor von Auerbach an der Bergstrasse. *Zeitschr. f. prakt. Geol.* 1896, 467. 1896.
- CHELUSSI, ITALO. Contribuzioni petrografiche. *Boll. Soc. geol. ital.* xv. 85. 1896.
 — 2. Le Rocce del Vallone di Valmontey in Val di Cogne. *Boll. Soc. geol. ital.* xv. 166. 1896.

- CHEVROT, —. Exploration de la Caborne à Fréquent (Jura). *Spelunca*, i. 24. 1895.
- 2. Première Exploration du Gouffre de Pierrefeu [Commune de Publy] (Jura). *Spelunca*, i. 115. 1896.
- CHOFFAT, PAUL. Coup d'œil sur la Géologie de la Province d'Angola. *Comm. Dir. Trab. geol. Portugal*, iii. 84. 1895. And A.C.
- 2. Promenade au Gerez. *Bol. Soc. Geogr. Lisboa*, ser. 14, no. 4, 385. 1895.
- 3. Notes sur l'Érosion en Portugal. *Comm. Dir. Trab. geol. Portugal*, iii. 17. 1896.
- 4. Note sur les Tufs de Condeixa et la Découverte de l'Hippopotame en Portugal. *Comm. Dir. Trab. geol. Portugal*, iii. 1. 1896.
- CHRISTOMANOS, —. Sur la Greenockite amorphe du Laurium. *C. R. Acad. Sci. Paris*, cxxiii. 62. 1896.
- CHUARD, E., &c. Université de Lausanne. Index bibliographique de la Faculté des Sciences. 8vo. Lausanne, 1896.
- CIENFUEGOS, —. Fenómenos volcánicos submarinos observados en la Bahía de Talcahuano. *Actes Soc. sci. Chili*, v. p. ciii. 1895.
- CLAGUE, D. Further Notes on the Geology of the Isle of Man. *Journ. Liverpool Geol. Assoc.* xv. 19. 1895.
- CLAR, KONRAD. Tektonische Betrachtung. *Mitth. nat. Ver. Steiermark*, 1895, 198. 1896.
- 2. Ueber den Verlauf der Gleichenberger Hauptquellspalte. *Mitth. nat. Ver. Steiermark*, 1895, 201. 1896.
- CLARK, ED. V. Geology of the Ninety-Mile Desert. *Trans. Roy. Soc. S. Aust.* xx. 110. 1896.
- CLARK, T. Notes on Basaltic Columns in West Devon. *Journ. R. Inst. Cornwall*, xiii. 128. 1896.
- CLARK, WILLIAM BULLOCK. Correlation Papers. Eocene. *Bull. U.S. Geol. Surv.* no. 83, 1. 1891. A.C.
- 2. A Preliminary Report on the Cretaceous and Tertiary Formations of New Jersey, with especial reference to Monmouth and Middlesex Counties. *Ann. Rep. Geol. Surv. New Jersey*, 1892, 169. 1893. A.C.
- 3. Certain Climatic Features of Maryland. *Am. Meteorol. Journ.* 1894 (1). 1894. A.C.
- 4. Cretaceous Deposits of the Northern Half of the Atlantic Coastal Plain. *Bull. Geol. Soc. Am.* vi. 479. 1894. A.C.
- 5. Origin and Classification of the Greensands of New Jersey. *Journ. Geol. Chicago*, ii. 161. 1894. A.C.
- * — 6. The Structure of Certain Palæozoic Barnacles. *Am. Geol.* xvii. 137. 1896.
- 7. The Potomac River Section of the Middle Atlantic Coast Eocene. *Am. Journ. Sci.* ser. 4, i. 365. 1896. And A.C.
- CLARKE, FRANK WIGGLESWORTH. The Constitution of the Silicates. *Bull. U.S. Geol. Surv.* no. 125, 7. 1895.
- CLARKE, J. M. List of the Original and Illustrated Specimens in the Palæontological Collections.—Part I. Crustacea. *Ann. Rep. State Geologist, New York*, 1891, xi. 57. 1892.
- 2. On *Cordania*, a Proposed New Genus of Trilobites. *Ann. Rep. State Geologist, New York*, 1891, xi. 124. 1892.
- 3. Report of the Assistant Palæontologist, State of New York [*Cyrtoneella horrida*, *Dalmanites Dolphi*]. *Ann. Rep. State Geologist, New York*, 1892, xii. 45. 1893.
- 4. The Succession of the Fossil Faunas in the Section of the Livonia Salt Shaft. *Ann. Rep. State Geologist, New York*, 1893, xiii. vol. i. 131. 1894.
- 5. New or rare Species of Fossils from the Horizons of the Livonia Salt Shaft. *Ann. Rep. State Geologist, New York*, 1893, xiii. vol. i. 159. 1894.
- 6. Report on Field-work in Chenango County (N. Y.). *Ann. Rep. State Geologist, New York*, 1893, xiii. vol. i. 529. 1894.
- 7. Publications relating to the Geology and Palæontology of the State of New York, 1876-93. *Ann. Rep. State Geologist, New York*, 1893, xiii. vol. i. 559. 1894.
- See HALL, JAMES.
- CLARKE, W. J. Probable Continuity of the Shropshire, South Staffordshire, and Forest of Wyre Coal-fields. *Coll. Guard.* lxxi. 938. 1896.
- CLAY, W. G. See DICKSON, F.

- CLAYPOLE, E. W. The Upper Devonian Fishes of Ohio. *Geol. Mag.* dec. 3, x. 443. 1893. A.C.
- 2. On the Structure of the Teeth of the Devonian Cladodont Sharks. *Proc. Am. Micr. Soc.* 1894, 191. 1895 (?). A.C.
- 3. The Cladodonts of the Upper Devonian of Ohio. *Rep. Brit. Assoc. Adv. Sci.* 1895, 694. 1895.
- 4. The Great Devonian Placoderms of Ohio. *Rep. Brit. Assoc. Adv. Sci.* 1895, 695. 1895.
- *— 5. A New *Titanichthys*. *Am. Geol.* xvii. 166. 1896.
- *— 6. The Ancestry of the Upper Devonian Placoderms of Ohio. *Am. Geol.* xvii. 349. 1896.
- *— 7. *Dinichthys Prentis-Clarki*. *Am. Geol.* xviii. 199. 1896.
- *— 8. Human Relics in the Drift of Ohio. *Am. Geol.* xviii. 302. 1896.
- CLEMENTS, J. MORGAN. The Volcanics of the Michigamme District of Michigan. *Journ. Geol. Chicago*, iii. 801. 1895. A.C.
- See SMITH, E. A.
- CLERICI, ENRICO. Alcune Notizie di Geologia romana. *Boll. Soc. geol. ital.* xv. 12. 1896.
- 2. Sopra un caso di Pietrificazione artificiale dei Tessuti vegetali. *Atti R. Acc. Lincei*, ser. 5, *Rendic.* v. sem. 1, 401. 1896.
- CLOUGH, C. T. See GUNN, W., &c.
- CODINGTON, E. W. The Florida Pebble Phosphates. *Trans. Am. Inst. M. E.* xxv. 423. 1896.
- 2. —. *Coll. Guard.* lxxi. 32. 1896.
- COGHLAN, T. A. The Wealth and Progress of New South Wales, 1894. Vol. 1. 8vo. Sydney, 1895.
- COHEN, E. Meteoreisen-Studien, IV. *Ann. k.-k. naturhist. Hofmus. Wien*, x. 81. 1895.
- *— 2. Zusammenstellung petrographischer Untersuchungsmethoden nebst Angabe der Literatur. 3rd edition. 8vo. Stuttgart, 1896.
- COKE, G. E. Southern Limit of the Nottinghamshire Coal-field. [Map, Nottingham District, 1 inch = 3 miles.] *Trans. Fed. Inst. M. E.* xi. 339. 1896.
- 2. Southern Limit of the Nottinghamshire Coal-field. [Map, $\frac{1}{21,120}$.] *Coll. Guard.* lxxi. 1111. 1896.
- 3. Boring below the Blackshale Coal-seam at Apperknowle, near Sheffield. *Trans. Fed. Inst. M. E.* x. 483. 1896.
- , J. W. CARR, & W. W. WATTS. Excursion to Nottingham and Leicester. *Proc. Geol. Assoc.* xiv. 430. 1896.
- COLCHESTER-WEMYSS, M. W. Annual Address to the Cotteswold Naturalists' Field Club, May 1896. [Excursions.] *Proc. Cotteswold Nat. F. C.* xii. 1. 1896.
- COLE, GRENVILLE A. J. On Derived Crystals in the Basaltic Andesite of Glasdrumman Port, Co. Down. *Sci. Trans. R. Dublin Soc.* ser. 2, v. 239. 1894; & *Sci. Proc. R. Dublin Soc.* n. s. viii. 279. 1894.
- *— 2. Open-air Studies: An Introduction to Geology Out-of-doors. 8vo. London, 1895.
- *— 3. Geological Studies in the North. *Irish Naturalist*, v. 48. 1896.
- *— 4. *Oldhamia* in America. *Irish Naturalist*, v. 254. 1896.
- 5. Phyllade, Phyllite, and Ottrelite. *Geol. Mag.* dec. 4, iii. 79. 1896.
- COLLIE, GEORGE L. The Geology of Conanicut Island (R. I.). [Map.] *Trans. Wisconsin Acad. Sci.* x. 199. 1895.
- COLLINS, J. H. Four Centuries of Copper Production in the West of England. *Trans. Mining Assoc. & Inst. Cornwall*, 1895 (1). 1895. A.C.
- 2. Notes on Cornish Fossils. III.—The Crinoids. *Trans. R. Geol. Soc. Cornwall*, xii. 73. 1896. And A.C.
- 3. Specimens of Tinstone from Durango. *Journ. R. Inst. Cornwall*, xiii. 129. 1896.
- COLLOT, —. Feuille de Châtillon (sur l'Oxfordien et le Rauracien). *Bull. Serv. Carte géol. France*, viii. (no. 53) 21. 1896.
- 2. Feuille de Beaune (sur les Environs d'Arnay-le-Duc). *Bull. Serv. Carte géol. France*, viii. (no. 53) 23. 1896.
- See MICHEL-LÉVY, A.
- COLOMBA, LUIGI. Osservazioni mineralogiche su alcune Sabbie della Collina di Torino. *Atti R. Acc. Sci. Torino*, xxxi. 993. 1896.
- *CONWENTZ, H. On English Amber and Amber generally. *Nat. Sci.* ix. 99, 161. 1896.

- COOKE, JOHN H. Contributions to the Stratigraphy and Palæontology of the *Globigerina*-limestones of the Maltese Islands. *Q. J. G. S.* lii. 461. 1896.
- 2. Notes on the "Pleistocene Beds" of the Maltese Islands. *Geol. Mag.* dec. 4, iii. 201. 1896. And A.C.
- 3. Notes on the *Globigerina*-limestones of the Maltese Islands. *Geol. Mag.* dec. 4, iii. 502. 1896. And A.C.
- COOKE, MARTIN W. The Figure of the Earth. *Proc. Rochester (N. Y.) Acad. Sci.* ii. 213. 1894.
- COPE, E. D. On Proboscidea. *Geol. Mag.* dec. 3, vi. 438. 1889. A.C.
- 2. The Fossil Vertebrata from the Fissure at Port Kennedy, Pa. [Irwin's Cave]. [*Uncia, Smilodon, & Crocuta.*] *Proc. Acad. Nat. Sci. Philad.* 1895, 446. 1896. And A.C.
- 3. Second Contribution to the History of the Cotylosauria. *Proc. Am. Phil. Soc.* xxxiv. 122. 1896. And A.C.
- 4. Sixth Contribution to the Knowledge of the Marine Miocene Fauna of North America. *Proc. Am. Phil. Soc.* xxxiv. 139. 1896. And A.C.
- 5. The Reptilian Order Cotylosauria. *Proc. Am. Phil. Soc.* xxxiv. 436. 1896. And A.C.
- 6. On some Pleistocene Mammalia from Petite Anse (La.). *Proc. Am. Phil. Soc.* xxxiv. 458. 1896. And A.C.
- CORCELLE, J. Grottes du Jura méridional (autour de Culoz). *Spelunca*, i. 119. 1896.
- CORNISH, VAUGHAN. The Rippling of Sand by Water and by Wind. *Geol. Mag.* dec. 4, iii. 521. 1896.
- 2. Waves. XII.—Earthquakes, &c. *Knowledge*, xix. 265. 1896.
- CORTÉS, ORREGO, & LORENZO SUNDT. El Oro de Carelmapu, en la Provincia de Llanquihue i Chiloé. *Bol. Soc. Nac. Minería, Santiago*, ser. 2, vii. 229. 1895.
- CORTÈSE, E. Descrizione geologica della Calabria. [Carta geologica della Calabria, $\frac{1}{500,000}$.] *Mem. descr. Carta geol. Italia*, ix. 1. 1895.
- CORTI, BENEDETTO. Ricerche micropaleontologiche sul Deposito glaciale di Re in Val Vegezzo. *Rendic. R. Ist. lomb. Sci.* ser. 2, xxviii. 498. 1895.
- COSSMANN, MAURICE. Contribution à la Paléontologie française des Terrains jurassiques. Études sur les Gastropodes des Terrains jurassiques. *Mém. Soc. géol. France (Paléont.)*, v. *Mém.* 14, 1. 1895.
- 2. —. *Mém. Soc. géol. France (Paléont.)*, vi. *Mém.* 14, 113. 1896.
- *— 3. Sur quelques Formes nouvelles ou peu connues des Faluns du Bordelais. *C. R. Assoc. franç. Av. Sci.* xxiv. pt. 1, 267; pt. 2, 508. 1896.
- COSTA-SENA, J. C. DA. Note sur un Gisement d'Actinolite, aux Environs d'Ouro Preto, à Minas-Geraes (Brésil). *Bull. Soc. franç. Min.* xix. 65. 1896.
- 2. —. *Actes Soc. Sci. Chili*, vi. 11. 1896.
- COSTE, —. Note sur la Grande Couche de Villars et la Faille de la République du Bassin Houiller de Saint-Étienne. [Maps $\frac{1}{40,000}$ & $\frac{1}{2,500}$.] *Ann. Mines, Paris*, ser. 9, ix. 608. 1896.
- *COSTE, F. H. PERRY. A New Method in Soil-Analysis. *Nat. Sci.* viii. 312. 1896.
- COTTEAU, GUSTAVE. Description des Échinides recueillis par M. LOVISATO dans le Miocène de la Sardaigne. *Mém. Soc. géol. France (Paléont.)* v. *Mém.* 13, 1. 1895.
- COURTENAY, —. Marmoles Onyx. *Bol. Soc. Nac. Minería, Santiago*, xiii. 19. 1896.
- COURTENAY, CHARLES FREDERICK. Mining and Treatment of Copper Ore at Tharsis, Spain. *Min. of Proc. Inst. C. E.* cxxv. 126. 1896.
- COWPER, H. S. Notes on a Journey in Tarhuna and Gharian, Tripoli. *Geogr. Journ.* vii. 150. 1896.
- COX, E. T. Geological Sketch of Florida. *Trans. Am. Inst. M. E.* xxv. 28. 1896.
- 2. The Albion Phosphate District (Fla.). *Trans. Am. Inst. M. E.* xxv. 36. 1896.
- CRANE, W. R. "Horsebacks" in the Kansas Coal Measures. *Kansas Univ. Quarterly*, iv. 145. 1896.
- CRAWFORD, J. Cerro Viejo and its Volcanic Cones. *Proc. Boston Soc. Nat. Hist.* xxvi. 546. 1895.
- CREMA, CAMILLO. Addizioni agli Echinodermi del Muschelkalk di Recoaro. *Atti R. Ist. veneto Sci.* ser. 7, vii. 856. 1896. A.C.
- 2. Ricerche sulla Facoltà d'Imbibizione di alcune Rocce. *Ingeg. sanit.* vii. (1). 1896. A.C.

- CRICK, G. C. On a Collection of Jurassic Cephalopoda from Western Australia—obtained by Harry Page Woodward—with Descriptions of the Species. *Geol. Mag.* dec. 4, i. 386, 433. 1894. A.C.
- 2. Note on some Fragments of Belemnites from Somali-land. *Geol. Mag.* dec. 4, iii. 296. 1896.
- 3. On *Goniatites evolutus*, Phillips, and *Nautilus tetragonus*, Phillips; with a list of the Species belonging to the Genus *Subclymenia*. *Geol. Mag.* dec. 4, iii. 413. 1896.
- 4. On a Specimen of *Cocconeuthis hastiformis*, Rüppell, sp., from the Lithographic Stone, Solenhofen, Bavaria. *Geol. Mag.* dec. 4, iii. 439. 1896.
- CRONISE, ADELBERT. The Pitch Lake of Trinidad. *Proc. Rochester (N. Y.) Acad. Sci.* ii. 278. 1894.
- CROOKES, W. On the Effect of Molecular Bombardment on the Diamond. *Chem. News*, lxxiv. 39. 1896.
- *CROSBY, W. O. Englacial Drift. *Am. Geol.* xvii. 203, 1896.
- CROSFIELD, MARGARET C., & ETHEL G. SKEAT. On the Geology of the Neighbourhood of Caermarthen. [Map, $\frac{1}{63,360}$.] *Q. J. G. S.* lii. 523. 1896.
- CROSS, WHITMAN, & R. A. F. PENROSE, JUN. Geology and Mining Industries of the Cripple Creek District, Colorado. [Maps, $\frac{1}{25,000}$, &c.] *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. ii. 13. 1895.
- CRUTTWELL, C. T. Notes on the Distribution of certain Species of Lepidoptera in South Norfolk and North Suffolk. [Map of Norfolk Soils.] *Trans. Leicester Lit. Phil. Soc.* n. q. ser. iv. 219. 1896.
- CULVER, G. E. The Erosive Action of Ice. *Trans. Wisconsin Acad. Sci.* x. 339. 1895.
- CUMENGE, E. Sur un Mode de Formation hypothétique des Conglomérats aurifères du Transvaal. *C. R. Acad. Sci. Paris*, cxxii. 346. 1896.
- CUMMING, L. The Functions of a School Natural History Museum. *Rep. Rugby School Nat. Hist. Soc.* 1895, xxix. 6. 1896.
- *CUNNINGHAM, J. T. Lyell and Lamarckism: a Reply to Professor W. K. BROOKS. *Nat. Sci.* viii. 326. 1896.
- See BROOKS, W. K.
- CURIE, —. Feuille de Mende. *Bull. Serv. Carte géol. France*, viii. (no. 53) 65. 1896.
- 2. Feuille de Séverac. *Bull. Serv. Carte géol. France*, viii. (no. 53) 70. 1896.
- CURRAN, J. MILNE. Geological Laboratory Notes, No. 1. *Journ. & Proc. Roy. Soc. N.S.W.* xxix. 404. 1896.
- CURRIE, JAMES, JUN. On an Iona Erratic containing Withamite. *Trans. Edinb. Geol. Soc.* vii. 115. 1895.
- CURZON, GEORGE N. The Pamirs and the Source of the Oxus. *Geogr. Journ.* viii. 15. 1896.
- CUSHING, H. P. Report on the Geology of Clinton County (N.Y.). *Ann. Rep. State Geologist, New York*, 1893, xiii. vol. i. 473. 1894.
- CVIJIĆ, J. La Grand Grotte de Douboca, dans la Serbie orientale. *Spelunca*, i. 81. 1895.
- 2. Les Glacières naturelles de Serbie. *Spelunca*, ii. 64. 1896.
- *CZYSZKOWSKI, S. The Deposition of Gold in South Africa. *Am. Geol.* xvii. 306. 1896.
- DAINS, F. B. On the Composition of a Natural Oil from Wilson County, Kansas. *Trans. Kansas Acad. Sci.* xiv. 38. 1896.
- DAKYN, J. R., A. STRAHAN, & W. GIBSON. Geological Survey 1-inch Map. N. S. Sheet 232. Abergavenny. 1896. Solid & Drift.
- *DALE, ELIZABETH. On the Glaciation of the Neighbourhood of Buxton. *Glac. Mag.* iii. 122. 1895.
- DALL, WILLIAM HEALEY. Alaska as it was and is, 1865-1895. *Bull. Phil. Soc. Washington*, xiii. 123. 1895. A.C.
- *DAL PIAZ, G. Studi geologici petrografici intorno ai Colli Euganei. *Riv. Min. e Crist. ital. Padova*, xvi. 49. 1896.
- DALMER, K. Ueber das Alter der jüngeren Gangformationen des Erzgebirges. *Zeitschr. f. prakt. Geol.* 1896, 1. 1896.
- *DAMBERGIS, A. K. Die neuen heissen Quellen von Ædipos und Gialtra, entstanden beim Lokrischen Erdbeben, 1894. *Min. petr. Mitth.* n. F., xv. 385. 1896.
- DAMES, W. Die Plesiosaurier der süddeutschen Liasformation. *Abh. k.-preuss. Akad. Wissensch.* 1895 (1). 1895. A.C.
- 2. Ueber die Ichthyopterygier der Triasformation. *Sitz. k.-preuss. Akad. Wissensch. Berlin*, 1895, 1045. 1895.

- DAMES, W. 3. Ueber eine von Menschenhand bearbeitete Pferde-Scapula aus dem Interglacial von Berlin. *N. J. f. Min.* 1896, i. 224. 1896.
- DANNEBERG, A. Reisenotizen aus Sardinien. *Zeitschr. f. prakt. Geol.* 1896, 252. 1896.
- DARTON, N. H. Report on the Helderberg Limestones. *Ann. Rep. State Geologist, New York*, 1893, xiii. vol. i. 197. 1894.
- 2. Report on the Geology of Albany County (N.Y.). *Ann. Rep. State Geologist, New York*, 1893, xiii. vol. i. 229. 1894.
- 3. Report on the Geology of Ulster County (N.Y.). *Ann. Rep. State Geologist, New York*, 1893, xiii. vol. i. 289. 1894.
- 4. Geology of the Mohawk Valley (N.Y.). *Ann. Rep. State Geologist, New York*, 1893, xiii. vol. i. 407. 1894.
- 5. Examples of Stream-robbing in the Catskill Mountains. *Bull. Geol. Soc. Am.* vii. 505. 1896.
- 6. Notes on Relations of Lower Members of the Coastal Plain Series in South Carolina. *Bull. Geol. Soc. Am.* vii. 512. 1896.
- DATHE, E. Das nordische Diluvium in der Grafschaft Glatz. [Maps, $\frac{1}{50,000}$.] *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv. 252. 1895.
- DAVID, T. W. EDGEWORTH. Evidences of Glacial Action in Australia in Permo-Carboniferous Time. *Q. J. G. S.* lii. 289. 1896.
- 2. Presidential Address to Section C, Geology and Mineralogy. [Recent Geological Work and on Evidences of Glacial Action in Australia and Tasmania.] *Rep. Australasian Assoc. Adv. Sci.* 1895, vi. 58. 1896.
- 3. Note on the Occurrence of Diatomaceous Earth in the Warrumbungle Mountains, New South Wales. *Proc. Linn. Soc. N.S.W.* xxi. 261. 1896.
- , W. F. SMEETH, & J. A. SCHOFIELD. Notes on Antarctic Rocks collected by Mr. C. E. Borchgrevink. *Journ. & Proc. Roy. Soc. N.S.W.* xxix. 461. 1896.
- See TATE, R., &c.
- DAVID-MARTIN, —. Comparaison des Terrains Fluvio-glaciaires de la Région de Lyon avec les Formations similaires de la Vallée de la Durance. *Bull. Soc. géol. France*, ser. 3, 1894, xxii. 664. 1895.
- DAVIDSON, A. D. See WELLER, S.
- DAVIES, J. SANGER. Dolomites. *South Eastern Nat.* i. 153. 1896.
- DAVIS, JAMES W. On the Fossil Fish-remains of the Coal-measures of the British Islands. Part 2. Acanthodidæ. *Sci. Trans. R. Dublin Soc.* ser. 2, v. 249. 1894; *Sci. Proc. R. Dublin Soc.* n. s. viii. 279. 1894.
- DAVIS, W. M. Bearing of Physiography on Uniformitarianism. *Bull. Geol. Soc. Am.* vii. 8. 1896.
- 2. Large Scale Maps as Geographical Illustrations. *Journ. Geol. Chicago*, iv. 489. 1896.
- 3. Plains of Marine and Subaerial Denudation. *Bull. Geol. Soc. Am.* vii. 377. 1896.
- 4. The Quarries in the Lava Beds at Meriden (Conn.). *Am. Journ. Sci.* ser. 4, i. 1. 1896.
- DAVISON, CHARLES. Earth Tremors [in Great Britain]. *Rep. Brit. Assoc. Adv. Sci.* 1895, 184. 1895.
- 2. On the Effect of the Glacial Period in Changing the Underground Temperature Gradient. *Geol. Mag.* dec. 4, ii. 356. 1895. A.C.
- 3. How to observe an Earthquake. *Knowledge*, xix. 189. 1896.
- 4. On the Comrie Earthquake of July 12th, 1895, and on the Hade of the Southern Border Fault of the Highlands. *Geol. Mag.* dec. 4, iii. 75. 1896. And A.C.
- 5. On the Diurnal Periodicity of Earthquakes. *Proc. Roy. Soc.* lix. 305. 1896; *Lond. Edinb. Dubl. Phil. Mag.* ser. 5, xlii. 463. 1896.
- 6. On the Straining of the Earth resulting from Secular Cooling. *Lond. Edinb. Dubl. Phil. Mag.* ser. 5, xli. 133. 1896. And A.C.
- 7. On the Exmoor Earthquake of January 23, 1894, and on its Relation to the Northern Boundary Fault of the Morte Slates. *Geol. Mag.* dec. 4, iii. 553. 1896.
- * — 8. The Constantinople Earthquake of July 10, 1894. *Nat. Sci.* viii. 27. 1896. And A.C.
- 9. The Horizontal Pendulum. *Nat. Sci.* viii. 233. 1896. And A.C.
- 10. The Surface-dimensions of an Earthquake-pulsation. *Nature*, liii. 548. 1896.
- 11. The Relative Lengths of Post-Glacial Time in the Two Hemispheres. *Nature*, liv. 137. 1896.

- DAVISON, JOHN M. Wardite, a new Hydrous Basic Phosphate of Alumina. *Am. Journ. Sci.* ser. 4, 154. 1896.
- DAWSON, GEORGE M. Summary Report of the Operations of the Geological Survey for the Year 1894. *Ann. Rep. Geol. Surv. Canada*, n. s. vii. A 1. 1896.
- 2. Report on the Area of the Kamloops Map-sheet (No. 12, $\frac{1}{253,440}$), British Columbia. *Ann. Rep. Geol. Surv. Canada*, n. s. vii. B 1. 1896.
- 3. —. Map-sheet, British Columbia, Sheet No. 12. [No. 556, Geology; No. 557, Topography, Economic Minerals, and Glacial Striae.] Scale 4 miles to 1 inch ($\frac{1}{253,440}$). *Ann. Rep. Geol. Surv. Canada*, n. s. vii. pt. B. 1895.
- , & R. G. McCONNELL. Glacial Deposits of South-western Alberta in the vicinity of the Rocky Mountains. *Bull. Geol. Soc. Am.* vii. 31. 1896. And A.C.
- DAWSON, SIR J. WILLIAM. Notes on the Bivalve Shells of the Coal-formation of Nova Scotia. *Canad. Rec. Sci.* v. 117. 1894.
- 2. Notes on a Specimen of *Beluga Catodon* from the Leda-clay, Montreal. *Canad. Rec. Sci.* vi. 351. 1895.
- 3. On Collections of Tertiary Plants from the vicinity of the City of Vancouver, B.C. *Proc. & Trans. Roy. Soc. Canada*, ser. 2, i. sec. iv. 137. 1895.
- 4. Additional Report on Erect Trees containing Animal Remains in the Coal-formation of Nova Scotia. *Proc. Roy. Soc.* lix. 362. 1896.
- 5. Pre-cambrian Fossils. *Geol. Mag.* dec. 4, iii. 513. 1896.
- 6. Review of the Evidence for the Animal Nature of *Eozöon canadense*. *Canad. Rec. Sci.* vi. 470. 1896.
- 7. —. *Canad. Rec. Sci.* vii. 62. 1896.
- DAY, D. T. Mineral Resources of the United States, 1894. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pts. iii. & iv. 1895.
- 2. Quicksilver, Nickel, Chromium, Tungsten, and Platinum. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iii. 598, 605, 608, 615, 628. 1895.
- DAY, WILLIAM C. Stone. [Granite, Marble, Slate, Sandstone, Limestone.] *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 436. 1896.
- DE ALESSANDRI, GIULIO. Contribuzione allo Studio dei Pesci terziarii del Piemonte e della Liguria. *Mem. R. Acc. Sci. Torino*, ser. 2, xlv. 262. 1896.
- 2. Ricerche sui Pesci fossili di Paraná (Repubblica Argentina). *Atti R. Acc. Sci. Torino*, xxxi. 715. 1896.
- DE AMICIS, G. A. See AMICIS, G. A. DE.
- DE ANGELIS D'OSSAT, G. See ANGELIS D'OSSAT, G. DE.
- DE GEER, GERARD. Om Strandliniens Förskjutning vid Våra Insjöar. *Sver. geol. Undersökn. Afh.* ser. C, no. 141, 1. 1894.
- 2. Om kvartära Nivåförändringar vid Finska Viken. *Sver. geol. Undersökn. Afh.* ser. C, no. 141, p. 17. 1894.
- 3. Till Frågan om Lommalerans Ålder. *Sver. geol. Undersökn. Afh.* ser. C, no. 155, 1. 1895. [See HOLST, N. O., & J. C. MOBERG.]
- 4. Annu ett Ord om Lommaleran. *Geol. Fören. Stockh. Förh.* xviii. 45. 1896.
- DE LAPPARENT, A. See LAPPARENT, A. DE.
- DE LAUNAY, L. See LAUNAY, L. DE.
- DE RANCE, CHARLES E. The Circulation of Underground Waters. *Rep. Brit. Assoc. Adv. Sci.* 1895, 393. 1895.
- 2. The Rate of Erosion of the Sea-coasts of England and Wales, and the Influence of the Artificial Abstraction of Shingle or other Material in the Action. *Rep. Brit. Assoc. Adv. Sci.* 1895, 352. 1895.
- 3. The Depth to Productive Coal-measures between the Warwickshire and Lancashire Coal-fields. *Trans. Fed. Inst. M. E.* x. 244. 1896.
- 4. Notes on the Geological Features of the Coast of North Wales from Liverpool to Menai Bridge. *Trans. Fed. Inst. M. E.* xi. 552. 1896.
- 5. —. *Coll. Guard.* lxxii. 178. 1896.
- DE ROUVILLE, P. G. DE. See ROUVILLE, P. G. DE.
- DE STEFANI, C. See STEFANI, C. DE.
- *DEAN, BASHFORD. Sharks as Ancestral Fishes. *Nat. Sci.* viii. 245. 1896.
- DEGRANGE-TOUZIN, A. Compte-rendu géologique de l'Excursion trimestrielle du 22 avril, 1894, à Galgon. *Actes Soc. Linn. Bordeaux*, xlvii. p. xxviii. 1894.
- 2. Étude préliminaire des Coquilles fossiles des Faluns des Environs d'Orthez et de Salies-de-Béarn (Basses-Pyrénées). *Actes Soc. Linn. Bordeaux*, xlvii. 333. 1894.

- DEGRANGE-TOUZIN, A. 3. Liste supplémentaire de Fossiles recueillis à La Saubotte (commune de Noailles). *Actes Soc. Linn. Bordeaux*, xlvii. p. xxxi. 1894.
- 4. Les Scaliariidæ fossiles des Terrains tertiaires supérieurs du Sud-Ouest. *Actes Soc. Linn. Bordeaux*, xlviii. 313. 1895.
- 5. Note sur les Documents paléontologiques de ma Collection. *Actes Soc. Linn. Bordeaux*, xlviii. p. xxxix. 1895.
- 6. Compte-rendu géologique de l'Excursion faite à Castets-en-Dorthe, Bieujac et Langon. *Actes Soc. Linn. Bordeaux*, xlviii. p. xlviii. 1895.
- 7. Note sur un Gisement de Falun découvert par M. Brochon dans la Commune de Cabanac. *Actes Soc. Linn. Bordeaux*, xlviii. p. lxiii. 1895.
- 8. Note sur deux Affleurements de Falun situés dans le Voisinage du Château du Thil, à Léognan. *Actes Soc. Linn. Bordeaux*, xlviii. p. lxiv. 1895.
- DELAGE, A., & F. MOURGUES. La Limburgite de Grabels, près Montpellier. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. xix. 1895.
- 2. See ROUVILLE, P. G. DE.
- DELEBECQUE, ANDRÉ. Feuilles de Lons-le-Saunier, St.-Claude et Nantua. *Bull. Serv. Carte géol. France*, viii. (no. 53) 197. 1896.
- 2. Sur les Lacs du Littoral landais et des Environs de Bayonne. *C. R. Acad. Sci. Paris*, cxxii. 49. 1896.
- 3. Sur l'Étang de Berre et les Étangs de la Côte de Provence situés dans son Voisinage. *C. R. Acad. Sci. Paris*, cxxiii. 845. 1896.
- . See HOLLANDE, —.
- . See MARTEL, E. A.
- DELGADO, J. F. NERY. Note sur l'Existence d'anciens Glaciers dans la Vallée du Mondégo (Beira). *Comm. Dir. Trab. géol. Portugal*, iii. 55. 1895. And A.C.
- 2. Sur l'Existence de la Faune primordiale dans l'Alto Alemtejo. *Comm. Dir. Trab. géol. Portugal*, iii. 97. 1896. And A.C.
- DEMARET, —. El Oro en Africa del Sur. *Bol. Soc. Nac. Minería, Santiago*, ser. 2, viii. 83. 1896.
- DENCKMANN, A. Zur Stratigraphie des Oberdevon im Kellerwalde und in einigen benachbarten Devon-Gebieten. [Map, $\frac{1}{20,000}$.] *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv. *Abh. Mitarb.* 8. 1895.
- 2. Ueber wissenschaftliche Ergebnisse seiner Aufnahmsarbeiten im Sommer 1895 [Kellerwald (Harz)]. *Zeitschr. deutsch. geol. Gesell.* xlviii. 227. 1896.
- . See BEUSHAUSEN, L.
- DENNANT, J. See TATE, RALPH.
- DEPERET, CHARLES. Observations à propos de la Note sur la Nomenclature des Terrains sédimentaires par MM. MUNIER-CHALMAS et DE LAPPARENT. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. pp. xxxiii & xlvii. 1895.
- 2. Réunion extraordinaire dans les Régions de Lyon (Rhône) et de Bollène (Vaucluse). Allocution présidentielle. [Map.] *Bull. Soc. géol. France*, ser. 3, 1894, xxii. 591, 599. 1895.
- 3. Comptes-rendus des Excursions à St. Fons; Heyrieu, St.-Quentin et La Grive-St.-Alban; Meximieux, Mollon, et Pont-d'Ain; Sathonay, Trévoux, et Villefranche; St.-Ferréol, près Bollène; Barri, St.-Paul-Trois-Châteaux, et de la Garde Adhémar; et à Visan. *Bull. Soc. géol. France*, ser. 3, 1894, xxii. 606, 609, 616, 623, 668, 672, 679. 1895.
- 4. Note sur les Groupes Éocène inférieur et moyen de la Vallée du Rhône. *Bull. Soc. géol. France*, ser. 3, 1894, xxii. 683. 1895.
- 5. Note paléontologique complémentaire sur les Terrains tertiaires de la Bresse. *Bull. Soc. géol. France*, ser. 3, 1894, xxii. 711. 1895.
- 6. Sur l'Âge de la Terrasse quaternaire de Villefranche (Rhône). *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. exc.
- 7. Ueber die Fauna von miocänen Wirbelthieren aus der ersten Mediteranstufe von Eggenburg. *Sitz. k. Akad. Wissen. Wien*, civ. *Math.-naturw. Cl.* 395. 1895.
- 8. Feuille de Bédarieux. *Bull. Serv. Carte géol. France*, viii. (no. 53) 101. 1896.
- 9. Feuille de Valence. *Bull. Serv. Carte géol. France*, viii. (no. 53) 114. 1896.
- *— 10. Feuilles paléontologiques dans le Miocène supérieur de la Colliue de Montredon, près Bize (Aude). *C. R. Assoc. franç. Av. Sci.* xxiv. pt. 1, 267; pt. 2, 530. 1896.

- DEPÉRET, CHARLES. 11. Note sur les Dinosauriens sauropodés et théropodes du Crétacé supérieur de Madagascar. [Map.] *Bull. Soc. géol. France*, ser. 3, xxiv. 176. 1896.
- 12. Sur l'existence de Dinosauriens sauropodés et théropodes dans le Crétacé supérieur de Madagascar. *C. R. Acad. Sci. Paris*, cxxii. 483. 1896.
- , et A. DONNEZAN. Les Animaux Pliocènes du Roussillon.—Chersites ou Tortues terrestres. *Mém. Soc. géol. France (Paléont.)*, v. no. 3 (*Suite*). 1895.
- , W. KILLIAN, & — RÉVIL. Lignites interglaciaires de Chambéry. *Bull. Soc. géol. France*, ser. 3, xxiv. 90. 1896.
- DERBY, ORVILLE A. Decomposition of Rocks in Brazil. *Journ. Geol. Chicago*, iv. 529. 1896. [See BRANNER, J. C.]
- DEREIMS, —. Feuille d'Albi. *Bull. Serv. Carte géol. France*, viii. (no. 53) 72. 1896.
- DESTINEZ, P. Quelques nouveaux Fossiles du Calcaire carbonifère de Paire (Clavier). *Ann. Soc. géol. Belg. Liège*, xxiii. p. xxxii. 1896.
- 2. Quelques nouveaux Fossiles siluriens à Ombret. *Ann. Soc. géol. Belg. Liège*, xxiii. p. cxxviii. 1896.
- 3. Découverte de *Syringopora* dans le Calcaire carbonifère supérieur de Visé. *Ann. Soc. géol. Belg. Liège*, xxiii. p. cxxvi. 1896.
- DEWALQUE, G. Mélanges Géologiques. Sixième Série. [Wéris Conglomerate (Luxemburg); Waters, Environs, and Tertiaries of Spa (Liège); Eocene of Copenhagen; *Dreissensia*; Water of 'Trou du Pouhon,' La Reid (Liège); Caverns of La Méhaigne (Liège); Dinant (Namur).] 8vo. Brussels & Liège. 1836-1890. A.C.
- 2. Sur le Calcaire carbonifère de la Carrière de Paire (Clavier). *Ann. Soc. géol. Belg. Liège*, xx. p. lxxiii. 1893. A.C.
- 3. Découverte de l'Or en Ardenne. *Ann. Soc. géol. Belg. Liège*, xxiii. p. xliii. 1896.
- 4. Pourquoi j'ai donné ma démission de Membre et Vice-Président du Conseil de direction de la Commission de la Carte géologique de la Belgique. *Ann. Soc. géol. Belg. Liège*, xxiii. p. xxi. 1896. And A.C.
- 5. Pourquoi j'ai donné ma Démission. Réponse à M. MOURLON. *Ann. Soc. géol. Belg. Liège*, xxiii. p. xlvi. 1896. And A.C.
- 6. Sur la Faune des Calcschistes de Tournai. *Tournaisien d.* *Ann. Soc. géol. Belg. Liège*, xxiii. 19. 1896. And A.C.
- 7. Sur l'Âge des Fossiles trouvés à Bouffiuoux. *Ann. Soc. géol. Liège*, xxiii. 67. 1896. And A.C.
- See MOURLON, M.
- DI-STEFANO, G. Lo Scisto marnoso con *Myophoria vestita* della Punta delle Pietre Nere in Provincia di Foggia. *Boll. R. Com. geol. Ital.* xxvi. 4. 1895.
- DICKINSON, JOSEPH. On River Valleys. *Trans. Manch. Geol. Soc.* xxiv. 137. 1896.
- 2. The Geological Formations traversed by the Principal Rivers of England. *Coll. Geol.* lxxii. 173, 212. 1896.
- DICKSON, E. Notes on the Excavations for the Preston Docks. *Proc. Liverpool Geol. Soc.* v. 369. 1887. A.C.
- 2. Geological Notes on the Preston Dock Works and Ribble Development Scheme. *Proc. Liverpool Geol. Soc.* v. 369. 1888. A.C.
- 3. Note on Section at Skillaw Clough, near Parbold. *Proc. Liverpool Geol. Soc.* vii. 106. 1893. A.C.
- 4. The Ribble Estuary, with Notes on the Formation of Sand and the Disposal of Dissolved Matter in River Water. *Proc. Liverpool Geol. Soc.* vii. 135. 1894. A.C.
- 5. Chemistry as an Aid to Geology. *Proc. Liverpool Geol. Soc.* vii. 244. 1894. A.C.
- 6. Notes on the Geology of the Country between Preston and Blackburn. *Proc. Liverpool Geol. Soc.* vii. 276. 1895. A.C.
- See HOLLAND, P.
- , & W. G. CLAY. Observations on Moraines and Glacial Streams in the Valley of the Rhone, and near Grindelwald. *Proc. Liverpool Geol. Soc.* vi. 259. 1892. A.C.
- , & P. HOLLAND. An Examination of some Volcanic Rocks of the Isle of Man. *Proc. Liverpool Geol. Soc.* vi. 206. 1890. A.C.
- , — 2. Notes on Shell Breccia dredged off the Coast of the Isle of Man; and on the Source of the Carbonate of Lime of the Shells of Marine Organisms. *Proc. Liverpool Geol. Soc.* vii. 164. 1894. A.C.

- DICKSON, E., & P. HOLLAND. 3. Notes on the Analyses of Triassic Rocks from the Neighbourhood of Liverpool. *Proc. Liverp. Geol. Soc.* vii. 443. 1896.
- DIENER, CARL. Der geologische Bau der Sedimentärzone des Central-Himalaya. Zwischen Milam und dem Niti-Pass. *Verh. k.-k. geol. Reichsanst.* 1895, 371. 1895.
- 2. Ergebnisse einer geologischen Expedition in den Central-Himalaya von Johár, Hundés und Painkándá. [Map 63.300.] *Denkschr. k. Akad. Wissen. Wien.* lxii. 533. 1895.
- 3. Himalayan Fossils. Vol. II. Trias. Part 2. The Cephalopoda of the Muschelkalk. *Mem. Geol. Surv. India, Palaeont. Indica*, ser. 15, ii. pt. 2, 1. 1895.
- 4. Mittheilungen über triadische Cephalopodenfaunen von der Ussuri-Bucht und der Insel Russkij in der ostsibirischen Küstenprovinz. *Sitz. k. Akad. Wissen. Wien*, civ. *Math.-naturw. Cl.* 268. 1895.
- See MOJSISOVICS von MOJSVÁR, E. von, &c.
- DINGELSTEDT, V. The Igneous Rocks of the Caucasus. *Scot. Geogr. Mag.* xii. 458. 1896.
- DITTUS. — Ueber einen erratischen Block aus abnormen Gneiss gefunden 1894 bei Kisslegg. *Jahresh. Ver. Naturk. Württ.* lii. Abh. 417. 1896.
- DOBLHOFF, BAR. J. Aus dem Salzburger Museum. [Cretaceous Plants.] *Verh. k.-k. geol. Reichsanst.* 1895, 361. 1895.
- 2. —. *Verh. k.-k. geol. Reichsanst.* 1896, 277. 1896.
- DOELTER, C. Anwendung der Röntgen'schen X-Strahlen auf die Unterscheidung von Diamant, Bergkrystall und Strass. *N. J. f. Min.* 1896, i. 211. 1896.
- 2. Das Krystallinische Schiefergebirge zwischen Drau- und Kainachthal. *Mitth. nat. Ver. Steiermark*, 1895, 241. 1896.
- 3. Influence des Rayons de M. Röntgen sur les Minéraux. *Bull. Soc. franç. Min.* xix. 88. 1896.
- 4. Ueber das Verhalten der Mineralien zu den Röntgen'schen X-Strahlen. *Mitth. nat. Ver. Steiermark*, 1895, 263. 1896.
- 5. Ueber künstliche Darstellung von Gesteinen unter Zugabe von Schmelzmitteln. *N. J. f. Min.* 1896, i. 211. 1896.
- 6. Verhalten der Mineralien zu den Röntgen'schen X-Strahlen. *N. J. f. Min.* 1896, ii. 87. 1896.
- DOLL, ED. Limonit nach Breunnerit: eine neue Pseudomorphose; Magnetit nach Eisenglimmer und Pyrolusit nach Calcit von neuen Fundorten. *Verh. k.-k. geol. Reichsanst.* 1895, 456. 1895.
- 2. Neue Mineralfundorte im Gebiete der Liesing und Palfen in Obersteiermark. *Verh. k.-k. geol. Reichsanst.* 1895, 457. 1895.
- DOLLFUS, GUSTAVE F. Probable Extension of the Seas during Upper Tertiary Times in Western Europe. *Rep. Brit. Assoc. Adv. Sci.* 1895, 690. 1895.
- 2. Quelques Mots sur le Tertiaire supérieur de l'Est de l'Angleterre. *Procès-verb. Soc. R. malacol. Belg.* xxiv. p. cxviii. 1895. A.C.
- 3. [Services de la Carte géologique du Danemark.] *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. xli. 1895.
- 4. Révision de la Feuille de Rouen. *Bull. Serv. Carte géol. France*, viii. (no. 53) 6. 1896.
- 5. Feuille de Mézières au 320,000^e. *Bull. Serv. Carte géol. France*, viii. (no. 53) 11. 1896.
- DOLLO, LOUIS. Sur la Phylogénie des Dipneustes. *Bull. Soc. belge Géol. Brux.* ix. *Mém.* 70. 1896.
- DONAGHY, J. A. Notes on the Pipestone District, Manitoba. *Journ. Hamilton Assoc. (Canada)*, xii. 164. 1896.
- DONALD, CHARLES W. Cruise of the 'Balæna' and the 'Active' in the Antarctic Seas, 1892-93.—II. The 'Active.' *Geogr. Journ.* vii. 625. 1896. See also BRUCE, WILLIAM S.
- DONALD, JANE. Notes on some Carboniferous Gasteropoda from Penton and elsewhere. *Trans. Cumberland Assoc. Adv. Sci.* ix. 127. 1895. A.C.
- 2. Descriptions of some new Species of Carboniferous Gasteropoda. *Q. J. G. S.* xlv. 619. 1889. A.C.
- 3. Notes on some New and Little-known Species of Carboniferous *Murchisonia*. *Q. J. G. S.* xlvi. 562. 1892. A.C.
- 4. Notes on the Genus *Murchisonia* and its Allies; with a Revision of the British Carboniferous Species, and Descriptions of some new Forms. *Q. J. G. S.* li. 210. 1895. A.C.
- DONAT, F. M. von. The Pontine Marshes. 8vo. London, 1895. A.C.

- DONNEZAN, A. See DEPÉRET, C.
- DORLODOT, H. DE. Le Calcaire carbonifère de la Belgique et ses Relations stratigraphiques avec celui du Hainaut français. *Ann. Soc. géol. Nord*, xxiii. 201. 1896.
- DOSS, BRUNO. Die geologische Natur der Kanger im Riga'schen Kreise, unter Berücksichtigung ihrer weiteren Umgebung. [Maps.] *Festschr. Naturf.-Ver. Riga*, 1895, 161. 1895.
- 2. Ueber das Vorkommen von Drumlins in Livland. [Map, Wenden $\frac{1}{200,000}$.] *Zeitschr. deutsch. geol. Gesell.* xlvi. 1. 1896.
- DOUVILLÉ, H. Études sur les Rudistes.—Les Hippurites de la Catalogne. *Mém. Soc. géol. France (Paléont.)*, v. no. 6 (Suite). 1895.
- 2. Sur la belle Coupe des Martigues (Bouches du Rhône). *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. vii. 1895.
- 3. Les Couches à Hippurites dans la Partie moyenne de la Vallée du Rhône. *C. R. Acad. Sci. Paris*, cxxii. 339. 1896.
- 4. Sur la Constitution géologique des Environs d'Héraclée (Asie Mineure). *C. R. Acad. Sci. Paris*, cxxii. 678. 1896.
- 5. La Craie à Hippurites de la Province orientale. [Tyrol, Austria, &c.] *C. R. Acad. Sci. Paris*, cxxii. 1431. 1896.
- 6. Observations sur la Charnière des Lamellibranches hétérodontes. *Bull. Soc. géol. France*, ser. 3, xxiv. 26. 1896.
- 7. The Geological Characteristics of Heraclea (Asia Minor). *Coll. Guard.* lxxi. 1080. 1896.
- DOUXAMI, H. Le Tertiaire des Environs de Sainte-Croix (Jura-Vaudois). *Bull. Soc. vaud. Sci. nat.* ser. 4, xxxi. 289. 1896.
- 2. —. *Ecologæ géol. Helv.* iv. 417. 1896.
- 3. Tertiaire de la Savoie, Feuilles de Chambéry et Albertville, Révision de Nantua, Annecy et Thonon. *Bull. Serv. Carte géol. France*, viii. (no. 53) 151. 1896.
- 4. Nummulitique des Baugés, avec la Collaboration de M. MAURICE LUGEON. *Bull. Serv. Carte géol. France*, viii. (no. 53) 154. 1896.
- See RÉVIL, J.
- DOWLING, D. B. Report on the Country in the Vicinity of Red Lake and Part of Berens River, Keewatin. [Map, $\frac{1}{500,000}$.] *Ann. Rep. Geol. Surv. Canada*, n. s. vii. F 1. 1896.
- DRAGHICENU, MATH. M. Les Tremblements de Terre de la Roumanie et des Pays environnants. 8vo. Bucharest, 1896.
- DRAPER, DAVID. The Auriferous Conglomerates of South Africa, with special reference to the Extension of the Main Reef westward of Johannesburg. 8vo. London, 1896. A.C.
- 2. The Primary Systems of South Africa with special reference to the Conglomerate Beds of the Witwatersrand. [Map.] *Trans. Geol. Soc. S. Africa*, i. 12. 1896.
- 3. The Dwyka Conglomerate. [Map.] *Trans. Geol. Soc. S. Africa*, i. 90. 1896.
- 4. The Extension of the Main Reef, westward of the Farm Witpoortje. [Map.] *Trans. Geol. Soc. S. Africa*, ii. 5. 1896.
- DRAYSON, A. W. Important Facts and Calculations for the Consideration of Astronomers and Geologists. 8vo. London, 1896.
- DREGER, J. Geologische Mittheilungen aus dem Bachergebirge in Südsteiermark. *Verh. k.-k. geol. Reichsanst.* 1896, 84. 1896.
- 2. Reiseberichte aus der Gegend östlich von Storè in Untersteiermark. *Verh. k.-k. geol. Reichsanst.* 1896, 291. 1896.
- DRIOTON, CLÉMENT. Le Creux de Soucy, Francheville (Côte-d'Or). *Spelunca*, i. 140. 1896.
- DRON, ROBERT W. The Southern Ayrshire Coalfields. [Map, 1 mile to $\frac{3}{8}$ inch.] *Trans. Fed. Inst. M. E.* x. 379. 1896.
- 2. —. *Coll. Guard.* lxxi. 260. 1896.
- DRUMMOND, A. T. The Rideau Lakes. *Canad. Rec. Sci.* vi. 230. 1895.
- DU PASQUIER, L. See FOREL, F. A.
- DUBOIS, EUGÈNE. On *Pithecanthropus erectus*: a Transitional Form between Man and the Apes. *Sci. Trans. R. Dublin Soc.* ser. 2, vi. 1. 1896.
- *DUNKER, EDUARD. Ueber die Wärme im Innern der Erde und ihre möglichst fehlerfreie Ermittlung. 8vo. Stuttgart, 1896.
- 2. —. *Zeitschr. f. prakt. Geol.* 1896, 417. 1896.
- DUNLOP, ANDREW. On some Jersey Peat Beds. *Bull. Soc. jersiaise*, xxi. (1). 1896. A.C.

- DUNS, —. Stone Folk-lore. *Journ. Vict. Inst. London*, xxviii. 200. 1896.
- DUPARC, LOUIS. Le Mont-Blanc au Point de Vue géologique et pétrographique. *Arch. Sci. phys. et nat. Genève*, ci. (1). 1896. A.C.
- 2. Notices pétrographiques. *Arch. Sci. phys. et nat. Genève*, ci. (1). 1896. A.C.
- 3. Sur les Roches éruptives de la Chaîne de Belledonne. *C. R. Acad. Sci. Paris*, cxxii. 634. 1896. And A.C.
- . See VALLOT, J.
- , & W. KILIAN. Note sur une Collection de Roches recueillies par G. Tardieu dans les Alluvions actuelles de la Durance. [Avec des Notes de P. TERMIER.] *Bull. Soc. géol. France*, ser. 3, xxiii. 349. 1895. A.C.
- , & L. MRAZEC. Nouvelles Recherches sur le Massif du Mont-Blanc. *Arch. Sci. nat. et phys. Genève*, xxxiv. (1). 1895. A.C.
- , & F. PEARCE. Sur les Microgranulites du Val Ferret. *C. R. Acad. Sci. Paris*, cxxiii. 617. 1896.
- , & E. RITTER. A propos du Grès de Taveyannaz. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. lxxxvii. 1895.
- , — . Étude pétrographique des Schistes de Casanna du Valais. *Arch. Sci. phys. et nat. Genève*, ci. (1). 1896. A.C.
- DURANDIÈRE, A. DE LA. Note sur un Gisement d'Otrélite à Saint-Barthélemy (Orne). *Bull. Soc. franç. Min.* xviii. 398. 1896.
- DURÈGNE, —. Sur les Dunes primaires des Côtes de Gascogne. *Actes Soc. Linn. Bordeaux*, xlviii. p. lxxvi. 1895.
- DURNFORD, H. ST. JOHN. Notes on the Sinking of the No. 1 Pit at the Ackton Hall Colliery [Featherstone (Yorks)], with Special Reference to the Thinning Out of the Silkstone and Beeston Coal-seams. *Trans. Fed. Inst. M. E.* x. 444. 1896.
- 2. — . *Coll. Guard.* lxx. 1165. 1895.
- *DWERRYHOUSE, A. R. Notes on a Striated Surface at Little Mollington, Cheshire. *Glac. Mag.* ii. 146. 1895.
- * — 2. Notes on the Glacial Deposits on the Cheshire Shore of the Dee Estuary. *Glac. Mag.* ii. 150. 1895.
- * — 3. On a Terminal Curvature in the Isle of Man. *Glac. Mag.* ii. 164. 1895.
- * — 4. On the Glacial Deposits of the Wrekin. [Map, 6 inches=1 mile.] *Glac. Mag.* iii. 49. 1895.
- EARLE, CHARLES. See OSBORN, H. F.
- EASTMAN, CHARLES R. Preliminary Note on the Relations of certain Body-plates in the Dinichthyids. *Am. Journ. Sci.* ser. 4, ii. 46. 1896.
- 2. Remarks on *Petalodus alleghaniensis* [Carboniferous, Illinois]. *Journ. Geol. Chicago*, iv. 174. 1896.
- ECKERT, MAX. Das Karrenproblem und die Geschichte seiner Lösung. *Zeitschr. f. Naturw. Leipzig*, lxxviii. 321. 1895.
- EICHLEITER, C. F. Chemische Analyse des Natrolith von Palzendorf in Mähren. *Verh. k.-k. geol. Reichsanst.* 1895, 485. 1895.
- 2. Ueber die chemische Zusammensetzung mehrerer Teschenite und Pikrite aus Mähren. *Verh. k.-k. geol. Reichsanst.* 1896, 70. 1896.
- ELDRIDGE, GEORGE H. A Geological Reconnaissance across Idaho. [Maps.] *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. ii. 217. 1895.
- ELIAS, —. Turquoise Mining in Persia. *Coll. Guard.* lxxii. 583. 1896.
- ELLES (MISS) G. L., & (MISS) E. M. R. WOOD. On the Llandovery and Associated Rocks of Conway (North Wales). [Map, scale 1 inch=430 feet.] *Q. J. G. S.* lii. 273. 1896.
- ELLIOTT, A. C. Note on the crushing strength of certain Building Stones [Sandstones, Limestones, Granite] and Bricks. *Proc. S. Wales Inst. Engin.* xix. 310. 1895.
- ELLS, R. W. The Apatite-bearing Rocks of the Ottawa District. *Canad. Rec. Sci.* v. 213. 1894.
- 2. Notes on Recent Sedimentary Formations on the Bay of Fundy Coast. *Proc. & Trans. Nova Scotian Inst. Sci.* viii. 416. 1895.
- 3. Report on a Portion of the Province of Quebec comprised in the South-west Sheet of the 'Eastern Townships'; with a Chapter on the Laurentian, north of the St. Lawrence, by F. D. ADAMS, p. 93. [Map, Montreal District, $\frac{1}{250,000}$.] *Ann. Rep. Geol. Surv. Canada*, n. s. vii. J 1. 1896.
- , & A. F. BARLOW. The Physical Features and Geology of the Route of the proposed Ottawa Canal between the St. Lawrence River and Lake Huron. [Map, 1 inch=45 miles.] *Proc. & Trans. Roy. Soc. Canada*, ser. 2, i. sec. iv. 163. 1895.

- EMERSON, BENJAMIN KENDALL. Notes upon Two Boulders of a very Basic Eruptive Rock from the West Shore of Canandaigua Lake; and their Contact Phenomena upon the Trenton Limestone. *Ann. Rep. State Geologist, New York*, 1892, xii. 105. 1893.
- 2. A Mineralogical Lexicon of Franklin, Hampshire, and Hampden Counties, Massachusetts. *Bull. U.S. Geol. Surv.* no. 126, 9. 1895.
- EMMONS, S. F. Review of the Geological Literature of the South African Republic. *Journ. Geol. Chicago*, iv. 1. 1896.
- See SPURR, J. E.
- *ENGEL, THEODOR. Geognostischer Wegweiser durch Württemberg. 2nd edition. [Map, $\frac{1}{1,000,000}$.] 8vo. Stuttgart, 1896.
- 2. Ueber einige neue Ammonitenformen des schwäbischen Jura. *Jahresh. Ver. Naturk. Württ.* lii. p. lxiv. 1896.
- ENGELHARDT, H. Ueber neue Tertiärpflanzen Süd-Amerikas. *Abh. senckenb. naturf. Gesell.* xix. 1. 1895.
- ERDMANN, EDUARD. Beskrifning till Kartbladet Grisslehamn. [Map, $\frac{1}{50,000}$.] *Sver. geol. Undersökn.* ser. A a, no. 111, 1. 1895.
- ERDMANN, HUGO. On the Occurrence of Ammoniacal Nitrogen in Primitive Rocks. *Chem. News*, lxxiv. 64. 1896.
- ESCH, ERNST. See REISS, W., & A. STÜBEL.
- ETHERIDGE, ROBERT, JUN. Additional Plant Remains from the Leigh Creek Coalfield, Central Australia. *Trans. R. Soc. S. Aust.* xix. 138. 1895.
- 2. Palæontologia Novæ Cambriæ Meridionalis.—Occasional Descriptions of New South Wales Fossils, no. 2. [*Platyceras, Euomphalus, and Mourlonia.*] *Rec. Geol. Surv. N.S.W.* v. 14. 1896.
- , & JOHN MITCHELL. The Silurian Trilobites of New South Wales, with References to those of other Parts of Australia. Part III. The Phacopidæ. *Proc. Linn. Soc. N.S.W.* ser. 2, x. 486. 1895.
- ETTINGSHAUSEN, CONSTANTIN, FREIH. VON. Die Formelemente der europäischen Tertiärbüche (*Fagus feroniæ*, Ung.). *Denkschr. k. Akad. Wissen. Wien*, lxi. 1. 1894.
- 2. Zur Theorie der Entwicklung der jetzigen Floren der Erde aus der Tertiärflora. *Sitz. k. Akad. Wissen. Wien*, ciii. Abth. 1, 303. 1894.
- 3. Beiträge zur Kenntniss der Kreideflora Australiens. *Denkschr. k. Akad. Wissen. Wien*, lxii. 1. 1895.
- 4. Ueber die Kreideflora der südlichen Hemisphäre. *Mitth. nat. Ver. Steiermark*, 1895, 155. 1896.
- EVANS, C. JEWEL. See JEWEL-EVANS, C.
- EVANS, SIR JOHN. Obituary Notice of Sir Joseph Prestwich. *Proc. Roy. Soc.* lx. p. xii. 1896. And A.C.
- 2. On some Palæolithic Implements found in Somaliland. *Proc. Roy. Soc.* lx. 19. 1896.
- 3. The Stone Age in Hertfordshire. *Trans. Herts Nat. Hist. Soc.* viii. 169. 1896. And A.C.
- EVERETT, ARTHUR. Map of Continental Australia. Geologically coloured. Scale, 1 inch=50 statute miles. 6 sheets. *Department of Mines, Melbourne*, 1887.
- EVERETT, J. D. Underground Temperature. *Rep. Brit. Assoc. Adv. Sci.* 1895, 75. 1895.
- EWEN, C. A. On the Discovery of Moa-remains on Riverton Beach. *Trans. N.Z. Inst.* xxviii. 651. 1896.
- EXTON, HUGH. Inaugural Address. [South African Geology.] *Trans. Geol. Soc. S. Africa*, i. 1. 1896.
- *EYERMAN, JOHN. The Genus *Temnocyon* and a New Species thereof, and the New Genus *Hypotemnodon*, from the John Day Miocene of Oregon. *Am. Geol.* xvii. 267. 1896. And A.C.
- FABRE, G. Feuilles d'Alais, de Séverac, de St.-Affrique et de Mende. *Bull. Serv. Carte géol. France*, viii. (no. 53) 73. 1896.
- 2. Glaciers pliocènes dans les Montagnes d'Aubrac. *C. R. Acad. Sci. Paris*, cxxii. 95. 1896.
- FABRINI, EMILIO. Sopra due *Felis* di Romagnano (Verona) [*Felis spelæa, F. antiqua*]. *Boll. Soc. geol. ital.* xiv. 164. 1896.
- FAGOT, PAUL. Mollusques quaternaires des Environs de Toulouse et de Villefranche (Haute-Garonne). *Bull. Soc. Hist. nat. Toulouse*, xii. 282. 1879. A.C.
- *FAIRBANK, HAROLD W. Notes on the Geology of Eastern California. *Am. Geol.* xvii. 63. 1896.
- *— 2. The Mineral Deposits of Eastern California. *Am. Geol.* xvii. 144. 1896.

- FAIRBANK, HAROLD W. 3. The Age of the Californian Coast Range. *Am. Geol.* xviii. 271. 1896.
- 4. The Coal-beds of California. *Coll. Guard.* lxxii. 228. 1896.
- 5. The Geology of Point Sál. [Map, $\frac{1}{63,360}$] *Bull. Geol. Univ. Cal.* ii. 1. 1896.
- FAIRCHILD, HERMAN LE ROY. The Evolution of the Ungulate Mammals. *Proc. Rochester (N.Y.) Acad. Sci.* ii. 215. 1894.
- 2. The Geological History of Rochester (N.Y.). *Proc. Rochester (N.Y.) Acad. Sci.* ii. 215. 1894.
- 3. The Length of Geologic Time. *Proc. Rochester (N.Y.) Acad. Sci.* ii. 263. 1894.
- 4. The Kame-Moraine at Rochester, N.Y. *Am. Geol.* xvi. 39. 1895. A.C.
- 5. Kame Areas in Western New York south of Irondequoit and Sodus Bay. *Journ. Geol. Chicago*, iv. 129. 1896. And A.C.
- 6. Glacial Genesee Lakes [N.Y.]. [Map, scale about 1 inch=10 miles.] *Bull. Geol. Soc. Am.* vii. 423. 1896. And A.C.
- FAIRLEY, W. The Practice and Science of Mining Engineering. 8vo. Chester-le-Street (Co. Durham), 1896.
- FALLOT, E. Note sur l'Aquitainien des Environs de Saint-Avit (Landes). *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. lviii. 1895.
- *— 2. Sur une Carte géologique des Environs de Bordeaux et spécialement sur l'Étage aquitainien. *C. R. Assoc. franç. Av. Sci.* xxiv. pt. 1, 266. 1896.
- FANTAPPÌE, LIBERTO. La Danburite ed altri Minerali: in alcuni Pezzi notevoli di Rocce antiche, tra i 'Blocchi erratici' della Regione Cimina. *Atti R. Acc. Lincei*, ser. 5, *Rendic.* v. sem. 2, 108. 1896.
- *— 2. —. *Riv. Min. e Crist. ital. Padova*, xvi. 82. 1896.
- *— 3. Sul Peridoto in Paragenesi con Magnetite e Pirosseno nel Giacimento del Monte delle Croci, presso Montefiascone. *Riv. Min. e Crist. ital. Padova*, xvii. 3. 1896.
- FARR, MARCUS S. Notes on the Osteology of the White River Horses. *Proc. Am. Phil. Soc.* xxxv. 147. 1896.
- *FARRINGTON, OLIVER C. Phenomena of Falling Meteorites. *Am. Geol.* xvii. 82. 1896.
- FEDOROW, E. von. Universalmethode und Feldspathstudien. *Zeitschr. f. Kryst.* xxiv. 225, 337. 1896.
- *FEILDEN, H. W. Subaqueous Deposition of Boulder-clay. *Glac. Mag.* ii. 114. 1895.
- *— 2. The Formation of Gravel Ridges by Lake-Ice. *Glac. Mag.* ii. 147. 1895.
- 3. Notes on the Glacial Geology of Arctic Europe and its Islands. Part I. Kolguev Island. With Appendix: Report on the Erratic Boulders from the Kolguev Beds, by T. G. BONNEY. *Q. J. G. S.* lii. 52. 1896.
- 4. Notes on the Glacial Geology of Arctic Europe and its Islands. Part II. Arctic Norway, Russian Lapland, Novaya Zemlya, and Spitsbergen. With Appendix: Report on Specimens collected, by T. G. BONNEY. *Q. J. G. S.* lii. 721. 1896.
- FELIX, JOHANNES. Untersuchungen über den inneren Bau westfälischer Carbonpflanzen. II. Stück. *Földt. Közl.* xxvi. 165. 1896. And A.C.
- 2. Untersuchungen über fossile Hölzer. *Zeitschr. deutsch. geol. Gesell.* xlviii. 249. 1896. And A.C.
- FENNEMA, R. De Uitbarsting van dem Vulkaan 'Galoenggoeng,' op 18 en 19 October 1894. [Map, $\frac{1}{10,000}$] *Jaarb. Mijnw. Ned. O.-Ind.* 1895, xxiv. 58. 1896.
- FERRIER, W. F. Erythrite; Stilpnomelane, var. Chalcodeite; Crystallized Monazite; and Pleochroic Apatite from some Canadian Localities. *Ottawa Naturalist*, ix. 193. 1896. A.C.
- 2. Petrographical Characters of some Rocks from the Area of the Kamloops Map-sheet (B. C.). *Ann. Rep. Geol. Surv. Canada*, n. s. vii. B 349. 1896.
- *FICHEUR, E. Les Terrains éocènes dans la Chaîne des Mouias (Constantine). [Map, Djebel Msid-el-Aicha, $\frac{1}{400,000}$] *C. R. Assoc. franç. Av. Sci.* xxiv. pt. 1, 270; pt. 2, 565. 1896.
- 2. Sur le Renversement des Plis sur les deux Versants de l'Atlas de Blida (Algérie). *C. R. Acad. Sci. Paris*, cxvii. 548. 1896.
- , & E. HANG. Sur les Dômes liasiques du Zaghoun et de Bou-Kourin (Tunisie). *C. R. Acad. Sci. Paris*, cxvii. 1354. 1896.
- FIEBELKORN, —. Zur Systematik der Braunkohlen zwischen Weissenfels und Zeitz und zur Entstehung des Pyropissits. *Zeitschr. f. prakt. Geol.* 1895, 496. 1895.

- FINLAY, J. RALPH. See SMYTH, H. L.
- FISHER, O. Vertical Tertiaries at Bincombe, Dorset. *Geol. Mag.* dec. 4, iii. 246. 1896.
- FITZGERALD, EDWARD A. The First Crossing of the Southern Alps of New Zealand. *Geogr. Journ.* vii. 482. 1896.
- FLETCHER, L. Mineral Department, British Museum (Natural History). An Introduction to the Study of Rocks. 8vo. London, 1895.
- FLIEGEL, G. Ueber *Goniatites everus*, v. Buch, und *Goniatites lateseptatus*, Beyrich. *Zeitschr. deutsch. geol. Gesell.* xlviii. 414. 1896.
- *FLOCK, ANDREAS. An Introduction to Chemical Crystallography. Translated and edited by WILLIAM J. POPE, with a Preface by N. STORY-MASKELYNE. 8vo. Oxford, 1895.
- 2. Zur Theorie der Krystallstruktur. *Zeitschr. f. Min.* xxv. 565. 1896.
- FLORES, E. See JOHNSTON-LAVIS, H. J.
- FLOT, LÉON. Note sur les Cétacés fossiles de l'Aquitaine. *Bull. Soc. géol. France*, ser. 3, xxiv. 270. 1896.
- FLOYER, E. L'Âge du Grès nubien et Note sur l'Érosion par le Vent et l'Eau. 8vo. Cairo, 1896. A.C.
- FOERSTE, AUGUSTUS F. An Account of the Middle Silurian Rocks of Ohio and Indiana, including the Niagara, and Ohio Clinton, and the Bed at the Top of the Lower Silurian Strata, formerly considered the Medina. *Journ. Cinc. Soc. Nat. Hist.* xviii. 161. 1896.
- FOLEY, MARY C. On Enclosures of Glass in a Basalt near Bertrich, in the Eifel. *Geol. Mag.* dec. 4, iii. 242. 1896.
- FONTAINE, WILLIAM M. Notes on some Mesozoic Plants from near Oroville, California. *Am. Journ. Sci.* ser. 4, ii. 273. 1896.
- FOOTE, H. W. Occurrence of Pollucite, Manganocolumbite and Microlite at Rumford, Maine. *Am. Journ. Sci.* ser. 4, i. 457. 1896.
- 2. Ueber das Vorkommen von Pollucit, Mangano-Columbit und Mikrolith bei Rumford in Maine. *Zeitschr. f. Kryst.* xxvii. 60. 1896.
- FOOTE, WARREN M. Preliminary Note on a New Alkali Mineral. *Proc. Acad. Nat. Sci. Philad.* 1895, 408. 1896.
- FORBES, E. H. On the Epidote from Huntington, Mass., and the Optical Properties of Epidote. *Am. Journ. Sci.* ser. 4, i. 26. 1896.
- 2. Ueber den Epidot von Huntington, Mass., und über die optischen Eigenschaften des Epidots. *Zeitschr. f. Kryst.* xxvi. 138. 1896.
- See PENFIELD, S. L.
- FORBES, HENRY O. The Submerged Forests of the Wirral, in Cheshire. *Knowledge*, xix. 145. 1896.
- FOREL, F. A. See CHUARD, E., &c.
- *—, & L. DU PASQUIER. Les Variations périodiques des Glaciers. *Jahrb. Schw.-Alpenclub*, xxxi. 249. 1896.
- FORÏR, H. Sur la Bande dévonienne de la Vesdre. *Ann. Soc. géol. Belg. Liège*, xx. 111. 1893. A.C.
- 2. Nouvelles Découvertes relatives aux Terrains paléozoïques de la Gileppe et de la Meuse. *Ann. Soc. géol. Belg. Liège*, xxii. p. xxvi. 1895. A.C.
- 3. Quelques Rectifications et Additions aux Listes de Fossiles des Terrains paléozoïques de Belgique. *Ann. Soc. géol. Belg. Liège*, xxiii. p. xxxiv. 1896.
- 4. *Rhynchonella Dumonti* et *Cyrtia Murchisoniana* dans les Schistes de Matagne. *Ann. Soc. géol. Nord*, xxiv. 7. 1896.
- 5. Sur la Présence de *Rhynchonella Dumonti* et de *Cyrtia Murchisoniana* dans les Schistes de Matagne. *Ann. Soc. géol. Belg. Liège*, xxiii. p. xxv. 1896. And A.C.
- 6. Sur la Série rhénane des Planchettes de Felenne de Vencimont et de Pondrôme. *Ann. Soc. géol. Belg. Liège*, xxiii. 123. 1896.
- See HÖFER, H.; see LOHEST, M.
- , & M. LOHEST. Découverte du Niveau à Paléchinides dans la Bande carbonifère de la Meuse. *Ann. Soc. géol. Belg. Liège*, xxii. p. lxxi. 1895. A.C.
- *FORNASINI, CARLO. A proposito della Figura 11, Tavola XXI. della 'Paleontologia del Regno di Napoli, parte 2^a.' [*Planorbulina*, *Truncatulina*.] *Riv. ital. Paleont. Bologna*, ii. 95. 1896.
- *— 2. Sull' Accrescimento anormale di un Esemplare di *Crustellaria* e sulla *Cr. auris*, Sold. *Riv. ital. Paleont. Bologna*, ii. 129. 1896.
- *— 3. La *Phialina oviformis* di O. G. Costa. *Riv. ital. Paleont. Bologna*, ii. 162. 1896.
- *— 4. Fossile problematico. *Riv. ital. Paleont. Bologna*, ii. 258. 1896.

- *FORNASINI, CARLO. 5. La *Glandulina acuminata* e la *Gl. elongata* di O. G. Costa. *Riv. ital. Paleont. Bologna*, ii. 263. 1896.
- *— 6. Bibliografia del Bolognese, 1648-1896. *Riv. ital. Paleont. Bologna*, ii. 278. 1896. And A.C.
- *— 7. Foraminiferi della Marna del Vaticano, illustrati da O. G. COSTA. *Palaeontographica italica*, i. 141. 1896.
- FORSYTH-MAJOR, C. J. Preliminary Notice on Fossil Monkeys from Madagascar. *Geol. Mag.* dec. 4, iii. 433. 1896.
- FÖRTSCH, —. Die Bodensenkungen in Graefentonna und Burgtonna. *Zeitschr. f. Naturw. Leipzig*, lxxviii. 445. 1895.
- FOSTER, C. LE NEVE. Home Department. Mines. Reports of H.M. Inspector of Mines for the North Wales, &c., and Isle of Man District (No. 9), to Her Majesty's Secretary of State. . . For the year 1895. Fol. London, 1896. A.C.
- 2. Home Department. Mines and Quarries. Second Annual General Report upon the Mining Industry of the United Kingdom of Great Britain and Ireland. For the year 1895. Fol. London, 1896.
- See ATKINSON, J. B., &c.
- FOULLON, H. B. VON. Ueber ein Asbestvorkommen in Bosnien. *Verh. k.-k. geol. Reichsanst.* 1895, 265. 1895.
- FOURNIER, A. Feuille de Bressuire. *Bull. Serv. Carte géol. France*, viii. (no. 53) 32. 1896.
- 2. Note sur le Banc pourri et le Bajocien en quelques Points des Deux-Sèvres. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. cxxiii. 1895.
- 3. Observations à propos du Mémoire de M. GLANGEAUD sur le Lias et le Jurassique moyen en Bordure à l'Ouest du Plateau central. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. pp. c, clxxi. 1895.
- See GLANGEAUD, P.
- FOURNIER, DOM. G. Liste des Fossiles du Récif de Sosoye. *Ann. Soc. géol. Belg. Liège*, xxiii. p. xlv. 1896.
- 2. Note sur une Météorite tombée à Lesves. *Ann. Soc. géol. Belg. Liège*, xxiii. p. lxxxviii. 1896.
- FOURNIER, EUGÈNE. Études stratigraphiques sur le Massif d'Allauch. *Bull. Soc. géol. France*, ser. 3, xxiii. 508. 1895.
- 2. Le Permien, le Trias et le Jurassique de la Feuille de Cahors. *Bull. Serv. Carte géol. France*, viii. (no. 51) 1. 1896.
- 3. Feuille de Cahors. *Bull. Serv. Carte géol. France*, viii. (no. 53) 107. 1896.
- 4. Note sur la Tectonique de la Chaîne de l'Étoile et de Notre-Dame-des-Anges. *Bull. Soc. géol. France*, ser. 3, xxiv. 255. 1896.
- 5. Sur les Plis et les Dômes à Déversement périphérique. *Bull. Soc. géol. France*, ser. 3, xxiv. 94. 1896. [See HAUG, E.]
- See VASSEUR, G.
- FOX, HOWARD. On a Soda-Felspar Rock at Dinas Head, near Padstow. *Journ. R. Inst. Cornwall*, xii. 183. 1896.
- 2. The Radiolarian Cherts of Cornwall; with Notes and Sketches by Miss GULIELMA LISTER, and Notes by G. J. HINDE. *Trans. R. Geol. Soc. Cornwall*, xii. 39. 1896. [Map, scale 4 miles = 1 inch.]
- 3. Supplementary Notes on the Cherts and Associated Rocks of Roundhole Point, Cataclews Point, and Dinas Head. *Trans. R. Geol. Soc. Cornwall*, xii. 71. 1896.
- See HINDE, G. J.
- FOX-STRANGWAYS, C. Glacial Phenomena near York. *Proc. Yorks. Geol. Soc.* xiii. 15. 1895. And A.C. [Map, scale 4 miles = 1 inch.]
- FRAAS, EBERHARD. Neue Schalcher-Reste aus dem oberen Lias von Holzmaden in Württemberg. I. *Hybodus Hauffianus*, Eb. Fraas (= *Hybodus reticulatus*, Quenstedt non Agassiz). II. *Palarospinax Smith-Woodwardii*, Eb. Fraas. *Jahresh. Ver. Naturk. Württ.* lii. Abb. 1. 1896.
- 2. Ueber die Höhlenbewohner der Alb und ihr Verhältniss zur oberschwäbischen Eiszeit. *Jahresh. Ver. Naturk. Württ.* lii. p. civ. 1896.
- FRAMES, M. E. [The Extension of the Main Reef, westward of the Farm Witpoortje.] *Trans. Geol. Soc. S. Africa*, ii. 26. 1896.
- FRANCHI, S. Prasinitide ed Amfiboliti sodiche provenienti dalla Metamorfosi di Rocce diabasiche presso Pegli, alle Isole Giglio e Gorgona ed al Capo Argentario. *Boll. Soc. geol. ital.* xv. 8, 169. 1896.
- & V. NOVARESE. Appunti geologici e petrografici sui Dintorni di Pinerolo. *Boll. R. Com. geol. Ital.* xxvi. 385. 1895.

- FRANCIS, JOSEPH. On the Dip of the Underground Palaeozoic Rocks at Ware and Cheshunt. *Rep. Brit. Assoc. Adv. Sci.* 1895, 441. 1895.
- FRANCKE, H. Ueber das Kalkspathvorkommen von Nieder-Rabenstein bei Siegmars, westl. Chemnitz in Sachsen. *Sitz. u. Abh. nat. Gesell. 'Isis,'* 1895, Sitz. 32. 1896.
- 2. Bemerkungen über den Calcit von Nieder-Rabenstein in Sachsen und über Galenit und Dolomit von Óradna in Siebenbürgen. *Sitz. u. Abh. nat. Gesell. 'Isis,'* 1896, Abh. 23. 1896.
- FRANÇOIS, CH. Lettre sur le Régime hydrologique et les Puits du Calcaire. *Bull. Soc. belge géol. Brux.* viii. *Proc.-verb.* 247. 1896.
- *FRANKLAND, E. The Past, Present, and Future Water-Supply of London. *Sci. Progr.* v. 163. 1896.
- FRANTZEN, W. Der Zechstein in seiner ursprünglichen Zusammensetzung und der Untere Buntsandstein in den Bohrlöchern bei Kaiseroda. *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv. *Abh. Mitarb.* 65. 1895.
- 2. Ueber neue Erfahrungen beim Kalibergbau in der Salzunger Gegend. *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv. p. lx. 1895.
- FRAZER, PERSIFOR. Two supposed new Trap Dykes in Chester Co., Penn. *Proc. Acad. Nat. Sci. Philad.* 1896, 206. 1896.
- FRECH, FRITZ. Ueber unterdevonische Korallen aus den Karnischen Alpen. *Zeitschr. deutsch. geol. Gesell.* xlviii. 199. 1896.
- See SUSS, E.
- *—, & WILHELM VOLZ. Die Korallenfauna der Triass. II. Die Korallen der Schichten von St. Cassian in Süd-Tirol, von WILHELM VOLZ. *Palaeontographica*, xxxiv. 1. 1896.
- FRENCH, J. See ROWE, A. W.
- FRESENIUS, R., & ERNST HINTZ. Chemische Untersuchung der Thermalquelle des Augusta-Victoria-Bades zu Wiesbaden. *Jährb. nassauisch. Ver. Naturk.* xlix. 3. 1896.
- *FRIC, ANTON. The Natural History Departments of the Bohemian Museum at Prague. [Barrande Collection, &c.] *Nat. Sci.* viii. 168. 1896.
- , & GUSTAV C. LAUBE. Geologische Karte von Böhmen. Section II. Umgebung von Teplitz bis Reichenberg. [Map, scale $\frac{1}{200,000}$] *Arch. naturw. Landesd. Böhmen*, x. no. 1, p. 1. 1895.
- , —. Section III. Umgebung von Eisenbrod, Jičín, bis Braunau und Nachod. [Map, scale $\frac{1}{200,000}$] *Arch. naturw. Landesd. Böhmen*, ix. no. 6, p. 1. 1895.
- FRIEDEL, GEORGES. Sur un nouveau Silicate artificiel. [From Muscovite Mica.] *Bull. Soc. franç. Min.* xix. 5. 1896.
- 2. Sur l'Alcalime. *Bull. Soc. franç. Min.* xix. 14. 1896.
- 3. Sur des Figures de Corrosion du Mica et sur l'Orientation des Fissures de Glissement produites par la Perforation. *Bull. Soc. franç. Min.* xix. 18. 1896.
- 4. Sur quelques Propriétés nouvelles de Zéolithes. *Bull. Soc. franç. Min.* xix. 93. 1896.
- 5. Sur les Zéolithes et la Substitution de diverses Substances à l'Eau qu'elles contiennent. *C. R. Acad. Sci. Paris*, cxxii. 948, 1006. 1896.
- *FRIEDLANDER, BENEDICT. Der Vulkan Kilaua auf Hawaii. Mit einigen Bezugnahmen auf die Vulkane Italiens. 8vo. Berlin, 1896.
- FRIS, J. P. Udvinding af Feldspat og Glimmer i Smaalenene. *Norges geol. Undersög.* no. 14, 76. 1894.
- FROSTERUS, BENJ. Ueber einen neuen Kugelgranit von Kangasniemi in Finland. *Bull. Com. géol. Finlande*, no. 4, 1. 1896.
- See BERGHELL, H.
- FRYAR, WILLIAM. The Development and Progress of Mining and Geology in Queensland. *Rep. Australasian Assoc. Adv. Sci.* 1895, vi. 361. 1896.
- FUCHS, ALEXANDER. Zur Geologie der Loreleigegend. *Jährb. nassauisch. Ver. Naturk.* xlix. dec. 4, iii. 43. 1896.
- FUCHS, THEODOR. Ueber die Natur und Entstehung der Styolithen. *Sitz. k. Akad. Wissen. Wien*, ciii. Abth. 1, 673. 1894.
- 2. Studien über Fucoiden und Hieroglyphen. *Denkschr. k. Akad. Wissen. Wien*, lxii. 369. 1895.
- 3. Ueber eine fossile *Halimeda* aus dem eocänen Sandstein von Greifenstein. *Sitz. k. Akad. Wissen. Wien*, ciii. Abth. 1, 200. 1894.
- FUCINI, A. Fauna dei Calcarei bianchi ceroidi con *Phylloceras cylindricum*, Sow. sp., del Monte Pisano. *Atti Soc. tosc. Sci. nat.* xiv. mem. 125. 1895.
- 2. Faunula del Lias medio di Spezia. *Boll. Soc. geol. ital.* xv. 123. 1896.

- FUCINI, A. 3. Il Lias medio nei Monti di Campiglia Marittima. *Atti Soc. tosc. Sci. nat., Proc. verb.* x. 70. 1896.
- *FUTTERER, K. Ueber einige Versteinerungen aus der Kreideformation der karischen Voralpen. *Paläont. Abh. Jena*, n. F. ii. 241. 1896.
- *GABELLI, LUCIO. Sulla Diagnosi delle Fucoidi e delle Filliti, e sulle Anomalie fogliari in rapporto colla Diagnosi delle Filliti. *Riv. ital. Paleont. Bologna*, iii. 88. 1896.
- GAEBLER, C. Das Oberschlesische Steinkohlenbecken und die Verjüngungsverhältnisse seiner Schichten. *Zeitschr. f. prakt. Geol.* 1896, 457. 1896.
- 2. Die Sattelflöze und die hangenden Schichten auf der nördlichen Erhebungsfalte des Oberschlesischen Steinkohlenbeckens. [Maps $\frac{1}{50,000}$ & $\frac{1}{100,000}$.] *Zeitschr. f. Berg-, Hütt.-Salin.* xlv. 102. 1896.
- GAGEL, C. B. Bericht über die Aufnahme-Arbeiten auf Blatt Passenheim. *Jahrb. k. preuss. geol. Landesanst.* 1894, xv. p. lxxv. 1895.
- GALE, J. S. Notes of Travels in Corea. *Rep. Australasian Assoc. Adv. Sci.* 1895, vi. 495. 1896.
- GALLOWAY, ROBERT L. Annals of Coal-mining and the Coal Trade. [Map, River Tyne District.] *Coll. Guard.* lxxi. 967, 1013, 1059, 1105, 1155, 1201. 1896.
- 2. —. *Coll. Guard.* lxxii. 15, 61, 111, 157, 207, 303, 349, 394, 440, 502, 535, 581, 642, 723, 772, 819, 867, 918, 961, 1009, 1059, 1107, 1153. 1896.
- GANDER, S. Un Gisement de Fossiles au-dessus de Grandevent et quelques Erratiques du Haut-Jura. *Bull. Soc. vaud. Sci. nat.* ser. 3, xxxi. 197. 1895.
- GANONG, W. F. Notes on the Natural History of New Brunswick. No. 2. The Outlet Delta of Lake Utopia. *Occ. Papers Nat. Hist. Soc. New Brunswick*, no. 1, 1. 1896.
- GARDINER, C. J. See REYNOLDS, S. H.
- GARLAND, JOSEPH. Presidential Address. [Colar Goldfield, India, &c.] *Proc. Inst. Mining & Metall.* iv. (1). 1896. A.C.
- *GARNIER, JULES. L'Aluminium et le Nickel. *C. R. Assoc. franç. Av. Sci.* xxiv. pt. 1, 18. 1896.
- GARRARD, J. JERVIS. Report on the Mining Industry of Zululand for the year 1895. 8vo. Pietermaritzburg, 1896.
- GARRIGOU, F. La Matière organique de l'Eau minérale de Tulle-Haute, Commune de Tilh (Haute-Garonne). *C. R. Acad. Sci. Paris*, cxxiii. 831. 1896.
- GARWOOD, E. J. Zonal Divisions of the Carboniferous System. *Rep. Brit. Assoc. Adv. Sci.* 1895, 696. 1895.
- , & J. W. GREGORY. The Geological Work of the Conway Spitzbergen Expedition. *Geol. Mag.* dec. 4, iii. 437. 1896.
- GASPERINI, F. Ricerche e Studi per la Salubrità dell' Acqua potabile di Pisa. *Atti Soc. tosc. Sci. nat., Proc. verb.* x. 75. 1896.
- GAUBERT, P. Revue des Espèces Minérales nouvelles. *Bull. Soc. franç. Min.* xviii. 431. 1895.
- 2. —. *Bull. Soc. franç. Min.* xix. 29, 119, 208. 1896.
- 3. Sur la Formation des Faces de Cristaux. *Bull. Mus. Hist. nat. Paris*, 1896, 203. 1896.
- GAUDRY, ALBERT. Essai de Paléontologie philosophique. 8vo. Paris, 1896.
- 2. Sur les Cornes des Dinocératidés. *Actes Soc. sci. Chili*, v. p. cxlii. 1896.
- GAUTIER, FERDINAND. Observations sur la Formation des Filons d'Étain. *Actes Soc. sci. Chili*, v. 82. 1895.
- 2. Sur une certaine Argile Blanche que mangent les Indiens de Bolivie. *Actes Soc. sci. Chili*, v. 85. 1895.
- 3. Documentos suplementarios relativos á la Formacion de los Criaderos auríferos. *Bol. Soc. Nac. Minería, Santiago*, ser. 2, viii. 147. 1896.
- GEER, G. DE. See DE GEER, G.
- GEIKIE, SIR ARCHIBALD. The Tertiary Basalt-plateaux of North-western Europe. *Q. J. G. S.* lii. 331. 1896.
- 2. On some Crush-Conglomerates in Anglesey. *Geol. Mag.* dec. 4, iii. 481. 1896.
- (Director-General) 3. Geological Survey of Great Britain. Annual Report of the Geological Survey and Museum of Practical Geology for the Year ending December 31, 1895. 8vo. London, 1896.
- (—) 4. —. *Coll. Guard.* lxxi. 747, 798. 1896.
- (—) 5. Geological Survey of England and Wales. Index Map, Sheets 7, 8, 10, 11, and 12. 4 miles to 1 inch ($\frac{1}{553,440}$). 1896.
- GEINITZ, H. B. Die Fortschritte der geologischen Landesaufnahme in den Vereinigten Staaten Nordamerikas. *Sitz. u. Abh. nat. Gesell. 'Isis'*, 1895, Abh. 68. 1896.

- GENTIL, L. Matériaux pour la Minéralogie de l'Algérie. *Bull. Soc. franç. Min.* xviii. 399. 1896.
- 2. —. *Bull. Soc. franç. Min.* xix. 22. 1896.
- 3. Note sur quelques Gisements ophitiques de l'Algérie. *Bull. Soc. géol. France*, ser. 3, xxiv. 296. 1896.
- 4. Sur l'Âge des Éruptions ophitiques de l'Algérie. *C. R. Acad. Sci. Paris*, cxxii. 1014. 1896.
- 5. Sur le Bassin tertiaire de la Vallée inférieure de la Tafna. *C. R. Acad. Sci. Paris*, cxxii. 802. 1896.
- * — 6. Sur les Gîtes calaminaires de l'Ouarsensis (Dép. d'Alger). *C. R. Assoc. franç. Av. Sci.* xxiv. pt. 2, 542. 1896.
- 7. Sur les Gypses métamorphiques de l'Algérie. *C. R. Acad. Sci. Paris*, cxxii. 958. 1896.
- 8. Sur les Minéraux du Cratère ancien de Ben Ganah (Algérie). *Bull. Mus. Hist. nat. Paris*, 1896, 109. 1896.
- 9. Sur un Gisement de Hornblende basaltique à Beni-Saf (Oran). *Bull. Mus. Hist. nat. Paris*, 1896, 157. 1896.
- GERRARD, JOHN. See ATKINSON, J. B., &c.
- GESELL, ALEXANDER. Montangeologische Aufnahme der Gegend von Oláhláposbánya (Szolnok-Doboka). *Jahresb. k.-ung. geol. Anst.* 1893, 135. 1895.
- GEYER, GEORG. Ein neues Vorkommen fossilführender Silur-Bildungen in den Karnischen Alpen. *Verh. k.-k. geol. Reichsanst.* 1895, 308. 1895.
- 2. Ueber die marinen Aequivalente der Permformation zwischen dem Gailthaler und dem Canalthal in Kärnten. *Verh. k.-k. geol. Reichsanst.* 1895, 392. 1895.
- 3. Aus der Gegend von Pontafel. *Verh. k.-k. geol. Reichsanst.* 1896, 313. 1896.
- 4. Ueber die geologischen Verhältnisse im Pontafeler Abschnitt der Karnischen Alpen. [Map, $\frac{1}{75,000}$.] *Jahrb. k.-k. geol. Reichsanst.* 1896, 127. 1896.
- GIACOSA, PIERO. Waters of Monte Rosa (Pennine Alps). *Nature*, liv. 358. 1896.
- GIBSON, WALCOT. See DAKYNS, J. R., &c.
- See STRAHAN, A.
- GILBERT, GROVE KARL. Laccolites in South-eastern Colorado. *Journ. Geol. Chicago*, iv. 816. 1896.
- 2. Presidential Address to the Geological Society of Washington. The Origin of Hypotheses. Illustrated by the Discussion of a Topographic Problem [Coon Butte, Arizona]. 8vo. Washington, 1896. A.C. [*Science*, n. s. iii. 1. 1896.]
- GILCHRIST, J. R. Chopwell Colliery, Durham. *Coll. Guard.* lxxii. 1028. 1896.
- GILL, DEEMSTER. Report on the Meeting of the British Association at Ipswich. 'Yn Lioar Manninagh,' iii. 87. 1896.
- GILL, WILLIAM. The Present Position of the Iron Ore Industries of Biscay. *Coll. Guard.* lxxii. 504. 1896.
- *GILLOT, X. Relations entre la Constitution minéralogique et hydrologique du Sol et la Végétation. *C. R. Assoc. franç. Av. Sci.* xxiv. pt. 2, 575. 1896.
- GILPIN, EDWIN, JUN. Notes on the Sydney Coalfield. *Proc. & Trans. Nova Scotian Inst. Sci.* viii. 435. 1895.
- 2. Report of Commission to enquire into the Cause, History, and Effects of Fires in Pictou Coal Mines. 8vo. Halifax, N.S., 1896.
- 3. Report on the Mines of Nova Scotia. *Rep. Depart. Mines, Nova Scotia*, 1895, 3. 1896.
- 4. The Iron Ores of Nictaux (N.S.), and Notes on Steel Making in Nova Scotia. *Proc. & Trans. Nova Scotian Inst. Sci.* ix. 10. 1896.
- GIOVANNONZI, G., P. E. VINASSA DE REGNY, & V. PIMPINELLI. Nota preliminare sui Terremoti fiorentini. *Atti Soc. tosc. Sci. nat., Proc. verb.* ix. 268. 1895.
- GLANGEAUD, P. Communication en Réponse aux Observations de MM. FOURNIER et WELSCH. [Sur le Lias et le Jurassique moyen, en Bordure à l'Ouest du Plateau central.] *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. cxv. 1895.
- 2. Le Jurassique à l'Ouest du Plateau central. Contributions à l'Histoire des Mers jurassiques dans le Bassin de l'Aquitaine. *Bull. Serv. Carte géol. France*, viii. (no. 50) l. 1896.
- 3. Le Jurassique à l'Ouest du Plateau central. *Bull. Serv. Carte géol. France*, viii. (no. 53) 39. 1896.
- 4. Le Jurassique supérieur des Environs d'Angoulême. *C. R. Acad. Sci. Paris*, cxxiii. 1025. 1896.

- GLANGEAUD, P. 5. Les Formations tertiaires au sud du Déroit poitevin. *Bull. Mus. Hist. nat. Paris*, 1896, 288. 1896.
- 6. Les Poissons et les Reptiles du Jurassique des Environs de Poitiers, d'Angoulême et de La Rochelle. *Bull. Soc. géol. France*, ser. 3, xxiv. 155. 1896.
- See FOURNIER, A.; see WELSCH, J.
- GLASS, J. H. The Great Landslip at Gohna, in Garhwal, and the Measures adopted to prevent serious Loss of Life. *Journ. Soc. Arts*, xlv. 431. 1896.
- GLENN, WILLIAM. Chrome in the Southern Appalachian Region. *Trans. Am. Inst. M. E.* xxv. 481. 1896.
- 2. The Form of Fissure-Walls as affected by Sub-Fissuring. *Trans. Am. Inst. M. E.* xxv. 499. 1896.
- GMEHLING, ANDRES. Huanchaca, Bolivia. *Bol. Soc. Nac. Minería, Santiago*, ser. 2, viii. 128. 1896.
- GOLDSCHMIDT, V. Ueber krumme Flächen (Uebergangsfächen). Mit Beobachtungen am Phosgenit. *Zeitschr. f. Kryst.* xxvi. 1. 1896.
- GOLLIEZ, H. See CHUARD, E., &c.
- GONNARD, FERDINAND. Sur quelques Formes nouvelles ou rares de la Calcite des Géodes du Calcaire à Entroques de Couzon (Rhône). *C. R. Acad. Sci. Paris*, cxxii. 348. 1896.
- *GOODCHILD, J. G. Glacial Furrows. *Glac. Mag.* iv. 1. 1896.
- GORDON, C. H. Geology of Van Buren County (Iowa). *Iowa Geol. Surv.* iv. 197. 1895.
- 2. Syenite-gneiss (Leopard Rock) from the Apatite Region of Ottawa County, Canada. *Bull. Geol. Soc. Am.* vii. 95. 1896.
- GORDON, HENRY A. Hysteromorphous Auriferous Deposits of the Tertiary and Cretaceous Periods in New Zealand. *Trans. Am. Inst. M. E.* xxv. 292. 1896.
- 2. The Goldfields of New Zealand. *Papers & Rep. Min. & Mining, N. Z.* 1896, Cz. 1. 1896.
- 3. Inspection of Coal-mines Report. *Papers & Rep. Min. & Mining, N. Z.* 1896, CzB. 1896.
- & ALEXANDER MCKAY. The Goldfields of New Zealand. [Coal, Coal-mining, &c. Map of Urewera Co. (North Island), 5 miles to 1 inch; Plan of Ohaeawai Quicksilver Mines (N. I.).] *Papers & Rep. Min. & Mining, N. Z.* 1895, Cz. 1. 1895.
- 2. Report on the Mining Reserves within the Northern District of Westland and Nelson (N.Z.) [Map, 1 inch=5 miles.] *Papers & Rep. Min. & Mining, N. Z.* 1896, Cz. 1. 1896.
- GOSSELET, JULES. Études sur les Variations du *Spirifer Verneuili*. *Mém. Soc. géol. Nord*, iv. 1. 1894.
- 2. Coup d'œil sur le Calcaire Grossier du Nord du Bassin de Paris—Sa Comparaison avec les Terrains de Cassel et de la Belgique. *Ann. Soc. géol. Nord*, xxiii. 160. 1895. And A.C.
- 3. Des Conditions dans lesquelles s'est fait le Dépôt du Phosphate de Chaux de la Picardie. *C. R. Acad. Sci. Paris*, cxxiii. 290. 1896.
- 4. Note sur des Troncs d'Arbres verticaux dans le Terrain houiller de Lens. *Ann. Soc. géol. Nord*, xxiii. 171. 1896.
- 5. Sondages aux Environs de Lille. *Ann. Soc. géol. Nord*, xxiii. 197. 1896.
- 6. Note sur la Terminaison méridionale du Massif cambrien de Stavelot et sur le Grès de Samré. *Ann. Soc. géol. Nord*, xxiv. 10. 1896.
- 7. Sur les Cartes agronomiques. *Ann. Soc. géol. Nord*, xxiv. 19. 1896.
- 8. Constant Prévost—Coup d'œil rétrospectif sur la Géologie en France pendant la première Moitié du xix^e Siècle. *Ann. Soc. géol. Nord*, xxv. 1. 1896.
- *GRABER, HERMANN VEIT. Ueber Auswürflinge in den tephritischen Brockentuffen der Umgebung von Tetschen a. d. Elbe. *Min. petr. Mitth.* n. F. xv. 291. 1895. [See HIBSCH, J. E.]
- 2. Die Aufbruchzone von Eruptivgesteinen in Südkärnten. *Verh. k.-k. geol. Reichsanst.* 1896, 120. 1896.
- GRÄEFF, FR. Geologische und petrographische Studien in der Montblanc-Gruppe. I. Die geologischen Verhältnisse des Mont Catogne und der Südostflanke des Montblancmassivs. [Map, Mont Catogne, $\frac{1}{50,000}$.] *Ber. naturf. Gesell. Freiburg i. B.* ix. 71. 1894.

- GRANGENEUVE, MAURICE. Note sur un Tableau synoptique de Minéralogie dressé d'après la Méthode de M. de Lapparent. *Actes Soc. Linn. Bordeaux*, xlviii. p. xxxii. 1895.
- GRANT, C. C. Geological Notes. *Journ. Hamilton Assoc. (Canada)*, xii. 140. 1896.
- 2. Additional Notes regarding our local Graptolites. *Journ. Hamilton Assoc. (Canada)*, xii. 159. 1896.
- GRANT, U. S. See WINCHELL, N. H.
- GRATZL, AUGUST. Der Besuch der Inseln Jan Mayen und Spitzbergen im Sommer des Jahres 1892. *Denkschr. k. Akad. Wissen. Wien*, lxi. 297. 1894.
- GRAY, W. See HOGGEN, G.
- GRECO, B. Il Lias superiore nel Circondario di Rossano Calabro. *Atti Soc. tosc. Sci. nat., Proc. verb.* x. 67. 1896.
- 2. —. *Boll. Soc. geol. ital.* xv. 92. 1896.
- *GREENLEE, W. B. The Amount of Water in the Earth's Crust. *Am. Geol.* xviii. 33. 1896.
- GREENLY, EDWARD. Notes on the Sutherland Goldfield. *Trans. Edinb. Geol. Soc.* vii. 100. 1895.
- 2. On the Occurrence of Sillimanite Gneisses in Central Anglesey. *Geol. Mag.* dec. 4, iii. 494. 1896.
- 3. On Quartzite Lenticles in Schists of South-eastern Anglesey. *Geol. Mag.* dec. 4, iii. 551. 1896.
- 4. The Geology of the Eastern Corner of Anglesey. *Q. J. G. S.* lii. 618. 1896.
- See HORNE, J.
- GREGORIO, MARQUIS ANTOINE DE. Description de quelques Fossiles Tertiaires (surtout Miocènes) de Malte. *Ann. Géol. et Paléont. Palerme*, livr. 19, 1. 1895.
- 2. Description des Faunes Tertiaires de la Vénétie. Fossiles de Lavacille, près de Bassano, des Assises de S. Goini à *Conus diversiformis*, Desh., *Ancillaria anomala*, Schloth., *Eburna Caronis*, Brongn. *Ann. Géol. et Paléont. Palerme*, livr. xx. 1. 1895.
- 3. Fondo del Mare dietro Monte Gallo. *Natur. sicil.* xiv. no. 12 (1). 1895. A.C.
- 4. Intorno a un nuovo Deposito quaternario terrestre. *Natur. sicil.* xiv. no. 12 (1). 1895. A.C.
- 5. Terza Nota su talune Conchiglie mediterranee viventi e fossili. *Natur. sicil.* xiv. no. 12 (1). 1895. A.C.
- 6. Appunti su talune Conchiglie Estramarine di Sicilia viventi e fossili con la Spiegazione delle Tavole dell' opera di BENOIT. *Natur. sicil.* xiv. nos. 10-11-12 (1). 1896. A.C.
- GREGORY, A. C. The Geographical History of the Australian Continent during its Successive Phases of Geological Development. *Rep. Australasian Assoc. Adv. Sci.* 1895, vi. 1. 1896.
- GREGORY, J. W. Catalogue of the Fossil Bryozoa in the Department of Geology, British Museum (Natural History).—The Jurassic Bryozoa. 8vo. London, 1896.
- 2. *Archæodiadema*, a new Genus of Liassic Echinoidea. *Geol. Mag.* dec. 4, iii. 317. 1896.
- *— 3. A Revision of the British Jurassic Bryozoa. Part III.—The Genus *Berenicea*. *Ann. Mag. Nat. Hist.* ser. 6, xvii. 41. 1896.
- *— 4. —. Part IV.—The Genera *Reptomultisparsa* and *Diastopora*. *Ann. Mag. Nat. Hist.* ser. 6, xvii. 151. 1896.
- *— 5. —. Part V.—The Families Idmoniidæ and Entalophoridæ. *Ann. Mag. Nat. Hist.* ser. 6, xvii. 194. 1896.
- *— 6. —. Part VI.—The Fascigeridæ, Theonoidæ, Dactylethrata, and Trepostomata. *Ann. Mag. Nat. Hist.* ser. 6, xvii. 287. 1896.
- 7. A Note on the Geology of Somaliland, based on Collections made by Mrs. E. Lort-Phillips, Miss Edith Cole, and Mr. G. P. V. Aylmer. *Geol. Mag.* dec. 4, iii. 289. 1896.
- *— 8. *Pseudodiadema Jessoni*, sp. n., an Echinoid from the English Oxford Clay. *Ann. Mag. Nat. Hist.* ser. 6, xviii. 465. 1896.
- *— 9. The Arctic Work of 1896. *Nat. Sci.* ix. 233. 1896.
- *— 10. The Great Rift Valley, being the Narrative of a Journey to Mount Kenya and Lake Baringo; with some Account of the Geology, Natural History, Anthropology, and Future Prospects of British East Africa. [Maps.] 8vo. London, 1896.

- GREGORY, J. W. 11. The Conway Expedition to Spitzbergen. *Nature*, liv. 437. 1896.
- 12. The 'Schistes lustrés' of Mont Jovet (Savoy). [Map, $\frac{1}{80,000}$]. *Q. J. G. S.* lii. 1. 1896.
- See GÆRWOOD, E. J.; see JOHNSTON-LAVIS, H. J.
- GRENADE, H. Sur le Hervien de Stembert. *Ann. Soc. géol. Belg. Liège*, xxiii. p. lxxvii. 1896.
- GRËNSTED, FRED. F. A Contribution to the Dynamical Theory of the Craven Highlands. *Proc. Liverp. Geol. Soc.* vii. 377. 1896.
- *GRESLEY, W. S. Observations regarding the Occurrence of Anthracite, with a new Theory of its Origin. *Am. Geol.* xviii. 1. 1896. And A.C.
- 2. Organic Markings in Lake Superior Iron Ores. *Science*, n. s. iii. 622. 1896. A.C.
- 3. The Occurrence of Anthracite. *Coll. Guard.* lxxii. 273. 1896.
- 4. The Yorkshire and Nottingham Coal-field: Geological Suggestions Relative to its Eastward Extension beneath the Permian and Secondary Strata into Lincolnshire. *Trans. Fed. Inst. M. E.* xi. 143. 1896. And A.C.
- GREVÉ, CARL. Die geographische Verbreitung der jetzt lebenden Raubthiere. *Verh. k. Leop.-Carol. deutsch. Akad. Naturf.* lxiii. 1. 1895.
- GREVILLIUS, A. Y. Studier öfver Vegetationen i vissa Delar af Jemtlands och Vesternorrlands Län, med Hansyn till det geologiska Underlaget. *Sver. geol. Undersökn. Afh.* ser. C, no. 144, 1. 1895.
- GRIESBACH, C. L. Annual Report of the Geological Survey of India for the year 1895. *Rec. Geol. Surv. India*, xxix. 1. 1896.
- GRIFFIN, C., &c. Year-book of the Scientific and Learned Societies of Great Britain and Ireland: comprising Lists of the Papers read during 1895. 8vo. London, 1896.
- GRIFFITH, R. See BRABY, F.
- GRIMSLEY, G. PERRY. Mineral Synthesis & Rock Synthesis. *Journ. Cinc. Soc. Nat. Hist.* xviii. 58. 1895.
- GRISWOLD, L. S. The Origin of the Arkansas Novaculites. *Proc. Boston Soc. Nat. Hist.* xxvi. 414. 1895.
- 2. Origin of the Lower Mississippi. *Proc. Boston Soc. Nat. Hist.* xxvi. 474. 1895.
- GRÖNWAL, K. A. Kritblock från sydöstra Skåna. *Geol. Fören. Stockh. Förh.* xviii. 180. 1896.
- GROSSMANN, KARL. Observations on the Glaciation of Iceland. *Glac. Mag.* i. 33. 1893. A.C.
- 2. The Crater Hverfjall. *Glac. Mag.* i. 85. 1893. A.C.
- 3. Across Iceland. *Geogr. Journ.* iii. 261. 1894. A.C.
- 4. The Faroes. *Geogr. Journ.* vii. 1. 1896. And A.C.
- *— & J. LOMAS. On the Glaciation of the Farøe Islands. [Map.] *Glac. Mag.* iii. 1. 1895. And A.C.
- GROSSOUVRE, A. DE. Feuille de Metz au 320,000'. *Bull. Serv. Carte géol. France*, viii. (no. 53) 13. 1896.
- 2. Feuille de St.-Jean d'Angély. *Bull. Serv. Carte géol. France*, viii. (no. 53) 36. 1896.
- 3. Sur le Genre *Neoptychites*. *Bull. Soc. géol. France*, ser. 3, xxiv. 86. 1896.
- *GRUBENMANN, U. Ueber einige Ganggesteine aus der Gefolgschaft der Tonalite. *Min. petr. Mitth.* xvi. 185. 1896.
- GRUNDY, JAMES. Report of the Inspection of Mines in India for the year ending the 30th June, 1894. Fol. Calcutta, 1894.
- 2. —, 1895. Fol. Calcutta, 1896.
- GRUNER, E. The Nord and Pas-de-Calais Coalfield of France. *Coll. Guard.* lxxi. 125. 1896.
- 2. The Loire, Gard, and Creuzot-Blanzy Coalfields of France. *Coll. Guard.* lxxi. 255. 1896.
- 3. The Belgian Coalfields. *Coll. Guard.* lxxi. 1076. 1896.
- *GRUNER, H. Grundriss der Gesteins- und Bodenkunde zum Gebrauch an landwirtschaftlichen und technischen Hochschulen. 8vo. Berlin, 1896.
- GRZYBOWSKI, JÓZEFA. Die Mikrofauna der Karpatenbildungen. I.—Die Foraminiferen der rothen Thone von Wadowice. *Bull. internat. Acad. Sci. Cracovie*, 1895, 305. 1895.
- 2. Mikrofauna karpackiego piaskowca z pod Dukli. *Rozpr. Akad. umiej. Krakow*, ser. 2, ix. 180. 1895.
- GULLIVER, F. P. Cuspate Forelands. *Bull. Geol. Soc. Am.* vii. 399. 1896.

- GÜMBEL, C. VON. Neuere Aufschlüsse in Pfalz-Saarbrücker Steinkohlengebirge auf bayerischem Gebiete. *Zeitschr. f. prakt. Geol.* 1896, 169. 1896.
- GÜMBEL, WILHELM VON. Tertiary Pitch Coal at Wirtatobel, near Bregenz. *Coll. Guard.* lxxi. 594. 1896.
- 2. Vorläufige Mittheilung über Flyschalgen. *N. J. f. Min.* 1896, i. 227. 1896.
- GUNN, W., & C. T. CLOUGH. The Geology of Part of Northumberland, including the Country between Wooler and Coldstream; with Petrological Notes by W. W. WATTS. *Mem. Geol. Surv. Engl. & Wales.* 8vo. 1895.
- GUPPY, R. J. LECHMERE. On a Specimen of *Pleurotomaria* from Tobago. *Proc. Zool. Soc. London*, 1891, 484. 1891. A.C.
- 2. The Microzoa of the Tertiary and other Rocks of Trinidad and the West Indies. *Journ. Trinidad Field Nat. Club*, i. no. 11 (2). 1893. A.C.
- 3. On some Foraminifera from the Microzoic Deposits of Trinidad, West Indies. *Proc. Zool. Soc. London*, 1894, 647. 1894. A.C.
- GURLEY, R. R. North American Graptolites. *Journ. Geol. Chicago*, iv. 63, 291. 1896.
- GURLEY, W. F. E. See MILLER, S. A.
- GUTHRIE, F. B. Soil Analysis. *Rep. Australasian Assoc. Adv. Sci.* 1895, vi. 288. 1896.
- GWILLIM, J. C. Gold and Silver Ores of the Slocan, B.C. *Canad. Rec. Sci.* vi. 494. 1896.
- HACKMAN, VICTOR. Petrographische Beschreibung des Nephelinsyenites vom Umptek und einiger ihn begleitenden Gesteine. 8vo. Kuopio, 1894. [*Fennia*, 11, no. 2, 101. 1894.] A.C.
- 2. Marina Gränsar i östra Finland. *Bull. Comm. géol. Finlande*, no. 3, 31. 1896.
- See KRAATZ-KOSCHLAU, K. VON.
- HAGUE, A. The Age of the Igneous Rocks of the Yellowstone National Park. *Am. Journ. Sci.* ser. 4, i. 445. 1896.
- HALAVÁTS, JULIUS. Die östliche Umgebung von Resicza. *Jahresb. k.-ung. geol. Anst.* 1893, 111. 1895.
- *HALBFASS, WILH. Der Arendsee in der Altmark. *Peterm. Mitt.* xlii. 173. 1896.
- HALL, EDGAR. Note on the Origin of Malachite—Observations made in an abandoned Copper Mine. *Journ. & Proc. Roy. Soc. N.S.W.* xxix. 416. 1896.
- HALL, HENRY. See ATKINSON, J. B., &c.
- HALL, JAMES. Eleventh Annual Report of the State Geologist for New York. *Ann. Rep. State Geologist, New York*, 1891, xi. 1. 1892.
- 2. Twelfth —. *Ann. Rep. State Geologist, New York*, 1892, xii. 1. 1893.
- 3. Thirteenth —. *Ann. Rep. State Geologist, New York*, 1893, xiii. vols. i. & ii. 1. 1894.
- 4. The Livonia Salt Shaft, its History and Geological Relations. *Ann. Rep. State Geologist, New York*, 1893, xiii. vol. i. 9. 1894.
- & JOHN M. CLARKE. An Introduction to the Study of the Brachiopoda, intended as a Hand-book for the use of Students. Part I. *Ann. Rep. State Geologist, New York*, 1891, xi. 133. 1892.
- 2.—Part II. *Ann. Rep. State Geologist, New York*, 1893, xiii. vol. ii. 749. 1894.
- 3. Geological Survey of the State of New York. Palæontology. Vol. viii. An Introduction to the Study of the Genera of Palæozoic Brachiopoda. Part 2. 4to. Albany, N.Y. 1894.
- HALSE, EDWARD. The Quicksilver Mines and Reduction-works at Huitzucó, Guerrero, Mexico. *Trans. N. Engl. Inst. M. E.* xlv. 72. 1895.
- 2. —. *Trans. Fed. Inst. M. E.* x. 354. 1896.
- HAMBERG, AXEL. Studien über Meereis und Gletschereis. *Bihang k. svenska Vet.-Akad. Handl.* xxi. Afdel. ii. no. 2, 1. 1896.
- HAMILTON, A. On the Rise and Progress of our Knowledge of the Oceanic Areas. *Trans. N. Z. Inst.* xxviii. 163. 1896.
- HAMMARSTRÖM, R. Iakttagelser öfver Lappajärvi Sjö, speciellt öfver dess Djupförhållanden. [Map, $\frac{1}{100,000}$.] *Vet.-Meddel. geogr. Fören. Finland*, iii. 97. 1896.
- HANG, E. See FICHEUR, E.
- HANKS, HENRY G. Milling of Gold Quartz.—Ancient and Modern compared. 8vo. San Francisco, 1896. A.C.
- *HANN, J., ED. BRÜCKNER, & A. KIRCHHOFF. Allgemeine Erdkunde. I. Abtheilung. Die Erde als Ganzes, ihre Atmosphäre und Hydrosphäre, von J. HANN. 8vo. Vienna, 1896.

- HANSEN, A. M. Om Beliggenheten af Bræskillet og Forskjellen mellem Kyst-og Kontinental hos den Skandinaviske Storbræ. *Nyt Mag. f. Naturvid.* xxxiv. 193. 1895.
- HARKER, ALFRED. On certain Granophyres, modified by the Incorporation of Gabbro-Fragments, in Strath (Skye). [Map, scale 3 inches=1 mile.] *Q. J. G. S.* lii. 320. 1896.
- * — 2. The Classification of Igneous Rocks. *Sci. Progr.* iv. 469. 1896.
- * — 3. Petrology in America. *Sci. Progr.* v. 459. 1896.
- * — 4. The Natural History of Igneous Rocks: I. Their Geographical and Chronological Distribution. *Sci. Progr.* n. s. i. 12. 1896.
- 5. Report on a Block of Stone trawled in the English Channel, and on two Erratics near the Prawle, South Devon. *Trans. Devon. Assoc. Adv. Sci.* xxviii. 531. 1896.
- HARLÉ, ÉDOUARD. Fouilles à l'Entrée primitive de la Grotte de Montsaunés (Haute-Garonne). *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. ci. 1895.
- 2. Faune malacologique de la Brèche d'Es-Taliens à Bagnères-de-Bigorre (Hautes-Pyrénées). *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. cxvii. 1895.
- 3. Gisements d'Origine des Cailloux de l'Adour. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. cxiv. 1895.
- 4. Observations sur les Alluvions de la Garonne dans la Région de Toulouse. *Bull. Soc. géol. France*, ser. 3, xxiii. 490. 1895. A.C.
- 5. Le Chamois quaternaire des Pyrénées. *C. R. Soc. géol. France*, 1896, no. 16, p. cxviii. 1896. A.C.
- HARMER, F. W. The Southern Character of the Molluscan Fauna of the Coralline Crag tested by an Analysis of its Characteristic and Abundant Species. *Rep. Brit. Assoc. Adv. Sci.* 1895, 675. 1895.
- 2. —. *Geol. Mag.* dec. 4, iii. 27. 1896.
- 3. On the Derivative Shells of the Crag. *Rep. Brit. Assoc. Adv. Sci.* 1895, 676. 1895.
- 4. On the Importance of Extending the Work of the Geological Survey of Great Britain to the Deep-seated Rocks by means of Boring. *Rep. Brit. Assoc. Adv. Sci.* 1895, 693. 1895.
- 5. On the Pliocene Deposits of Holland and their Relation to the English and Belgian Crags, with a Suggestion for the Establishment of a New Zone 'Amstelian,' and some Remarks on the Geographical Conditions of the Pliocene Epoch in Northern Europe. [Maps, Anglo-Dutch Pliocene, 1 inch=about 80 miles; East Anglian Crag District, 1 inch=4 miles.] *Q. J. G. S.* lii. 748. 1896.
- HARRINGTON, B. J. On some of the Advances in Mineralogical Chemistry. *Proc. & Trans. Roy. Soc. Canada*, ser. 2, i. sec. iii. 3. 1895.
- 2. The Chemical Composition of Andradite from two Localities in Ontario. *Canad. Rec. Sci.* vi. 479. 1896.
- See ADAMS, F. D.
- HARRISON, B. High-level Flint-drift of the Chalk. *Rep. Brit. Assoc. Adv. Sci.* 1895, 349. 1895.
- * HARRISON, W. JEROME. On the Glaciation of the Yorkshire Coast (chiefly near Whitby). *Glac. Mag.* iii. 67. 1895.
- HARTLEY, W. N., & HUGH RAMAGE. On the Occurrence of the Element Gallium in the Clay-Ironstone of the Cleveland District of Yorkshire. *Proc. Roy. Soc.* lx. 19. 1896.
- * HARTZ, N. Planteforsteninger fra Cap Stewart i Östgrönland. *Meddel. Grönland*, no. 19, 215. 1896.
- HARVIE-BROWN, J. A. Rockall. *Proc. R. Phys. Soc. Edinb.* 1894-95, 63. 1895.
- HATCH, FREDERICK H. The Auriferous Conglomerates of the Witwatersrand, Transvaal. *Rep. Brit. Assoc. Adv. Sci.* 1895, 691. 1895.
- HATCHER, J. B. Recent and Fossil Tapirs. *Am. Journ. Sci.* ser. 4, i. 161. 1896.
- HAUCHECORNE, W. See BEYRICH, E., &c.
- HAUG, ÉMILE. Étude sur la Tectonique des hautes Chaînes calcaires de Savoie. *Bull. Serv. Carte géol. France*, vii. no. 47, 1. 1895. [Map, $\frac{1}{300,000}$.]
- 2. Sur le Synclinal de Serraval et la Montagne de Sulens. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. xxvi. 1895.
- 3. Sur les hautes Chaînes calcaires de la Suisse. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. cxi. 1895.
- 4. Feuille de Digne. *Bull. Serv. Carte géol. France*, viii. (no. 53) 159. 1896.

- HAUG, ÉMILE. 5. Observations sur la Division des Alpes occidentales en Zones et sur certains Points de la Tectonique des Zones externes. Réponse à M. Pierre Lory. *Bull. Soc. géol. France*, ser. 3, xxiv. 34. 1896.
- 6. Sur les Plis à Déversement périphérique. *Bull. Soc. géol. France*, ser. 3, xxiv. 39. 1896.
- See KILLIAN, W., FOURNIER, E., & LORY, P.
- HAUTHAL, RODOLFO. Exámen topográfico y geológico de los Departamentos de San Carlos, San Rafael y Villa Beltran, Provincia de Mendoza (Distritos carboníferos, etc.) Notas sobre algunas Observaciones geológicas. [Plano geológico de la Region minera del 'Rafaelita,' Departamento de San Rafael, Provincia de Mendoza (República Argentina), por E. WOLFF & R. HAUTHAL.] *Rev. Mus. La Plata*, vii. 69. 1895.
- 2. Primera Ascension al Nevado Colorado de Famatina (6150 m.), (Provincia de la Rioja). *Rev. Mus. La Plata*, vii. 169. 1895.
- HAWES, G. W. See SMITH, E. A.
- HAWORTH, ERASMUS. Local Deformation of Strata in Meade County (Kansas) and Adjoining Territory. *Am. Journ. Sci.* ser. 4, ii. 368. 1896.
- HAY, ROBERT. Water Resources of a portion of the Great Plains. [Map, $\frac{1}{1,257,200}$.] *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. ii. 535. 1895.
- 2. On the Eastern Extension of the Cretaceous Rocks in Kansas and the Formation of Certain Sandhills. *Trans. Kansas Acad. Sci.* xiv. 227. 1896.
- 3. The River Counties of Kansas. Some Notes on their Geology and Mineral Resources. *Trans. Kansas Acad. Sci.* xiv. 230. 1896.
- 4. A Bibliography of Kansas Geology, with some Annotations. *Trans. Kansas Acad. Sci.* xiv. 261. 1896.
- HAYDEN, H. H. On some Igneous Rocks from the Tochi Valley [Waziristan]. *Rec. Geol. Surv. India*, xxix. 63. 1896.
- HAYES, CHARLES WILLARD. Bauxite. [Map, Bauxite Deposits in Georgia, 1 inch=4 $\frac{1}{2}$ miles.] *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iii. 547. 1895.
- 2. The Tennessee Phosphates. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 610. 1895.
- 3. The White Phosphates of Tennessee. *Trans. Am. Inst. M. E.* xxv. 19. 1896.
- HAZARD, J. Section Löbau-Reichenbach. Blatt 56. *Erläut. geol. Specialkarte, Sachsen*, Blatt 56, 1895, and Map, $\frac{1}{25,000}$. 1895.
- Section Rumburg-Seiffenhersdorf. Blatt 87. *Erläut. geol. Specialkarte, Sachsen*, Blatt 87, 1895, and Map, $\frac{1}{25,000}$. 1895.
- HEAD, JEREMIAH. The Manganese Ore Deposits of Northern Spain [Asturias]. *Coll. Geol.* lxvii. 554. 1896.
- HEBERDEY, PH. Krystallmessungen. *Sitz. k. Akad. Wissen. Wien*, ciii. Abth. 1. 604. 1894.
- 2. Künstliche Antimonit- und Wismuth-krystalle aus der k.-k. Hütte in Příbram. *Sitz. k. Akad. Wissen. Wien*, civ. Abth. 1. 254. 1895.
- 3. Gehlenit- und Wollastonit-Krystalle in Schlacken von Příbram. *Zeitschr. f. Kryst.* xxvi. 19. 1896.
- 4. Ueber Wachsthumerscheinungen an Quarzkrystallen aus Pisek. *Zeitschr. f. Kryst.* xxvi. 267. 1896.
- HECTOR, SIR JAMES. Note on the Geology of the Outlying Islands of New Zealand. *Trans. N.Z. Inst.* xxviii. 736. 1896.
- See WARD, C. D., &c.
- HEDIN, SVEN. A Journey through the Takla-Makan Desert, Chinese Turkestan. *Geogr. Journ.* viii. 264, 356. 1896.
- *— 2. Ein Versuch zur Darstellung der Wanderung des Lop-nor-Beckens in neuerer Zeit. *Peterm. Mitt.* xlii. 201. 1896.
- 3. Lop-nor-bäckens Vandrign. *Geol. Fören. Stockh. Förh.* xviii. 499. 1896.
- HEDLEY, J. L. See ATKINSON, J. B., &c.
- HEDSTRÖM, HERMAN. Studier öfver Bergarter från Morän vid Visby. *Sver. geol. Undersök. Afh.* ser. C, no. 139, 1. 1894.
- 2. Geologiska Notiser från Dalarna. *Geol. Fören. Stockh. Förh.* xviii. 65. 1896.
- HEILPRIN, ANGELO. The Port Kennedy Deposit [Irwin's Cave]. *Proc. Acad. Nat. Sci. Philad.* 1895, 451. 1896.
- HELLAND, AMUND. Tagskifere, Heller og Vekstene. *Norges geol. Undersög.* no. 10, 1. 1893.
- 2. Dybderne i nogle Indsjöer i Jotunfjeldene og Thelemarken. *Norges geol. Undersög.* no. 14, 95. 1894.
- 3. Opdyrkning af Lerfaldet i Værdalen. *Norges geol. Undersög.* no. 14, 122. 1894.

- HELLAND, AMUND. 4. Jordbunden i Jarlsberg og Larviks Amt. *Norges geol. Undersög.* no. 16, 1. 1894.
- HELLRIEGEL, —. See BEYSCHLAG, F.
- HELLSING, GUSTAF. Notes on the Structure and Development of the Turfmoor Stormur in Gestrikland. *Bull. Geol. Inst. Univ. Upsala*, ii. 345. 1896 and A.C.
- HENDERSON, J. McC. Der Glimmersyenit von Rothschönberg bei Deutschenbora im Königreich Sachsen. *Zeitschr. deutsch. geol. Gesell.* xlvii. 534. 1895.
- 2. Der Glimmersyenit von Rothschönberg bei Deutschenbora im Königreich Sachsen. 8vo. Jena, 1895.
- HENDRIKOV, J. M. See BOURDAKOV, V. J.
- HENNIG, ANDERS. Om Åhussandstenen. *Sver. geol. Undersök. Afh.* ser. C, no. 143, 1. 1894.
- HENNING, ERNST. Studier öfver Vegetations-förhållandena i Jemtland. *Sver. geol. Undersök. Afh.* ser. C, no. 145, 1. 1895.
- HENRICH, CARL. The Ducktown Ore-Deposits and the Treatment of the Ducktown Copper-Ores. *Trans. Am. Inst. M. E.* xxv. 173. 1896.
- HERBERTSON, ANDREW J. The History of the Great Lakes and Niagara. *Knowledge*, xix. 223. 1896.
- HÉRENT, J. Observations sur la Colline de Mons-en-Pévèle. *Ann. Soc. geol. Nord*, xxiii. 186. 1896.
- HERLIN, RAFAEL. Paläontologisk-växtgeologiska Studier i norra Satakunta. [Map, $\frac{1}{400,000}$] *Vet.-Meddel. geogr. Fören. Finland*, iii. 112. 1896. And A.C.
- *HERRICK, C. L. The so-called Socorro Tripoli. *Am. Geol.* xviii. 135. 1896.
- HERRIES, R. S. Long Excursion to West Somerset and North Devon. *Proc. Geol. Assoc.* xiv. 433. 1896.
- , & H. W. MONCKTON. Excursion to the Tertiary Beds of the Isle of Wight. *Proc. Geol. Assoc.* xiv. 99. 1896.
- HERRMANN, O. Die Steinbruchindustrie auf dem Rochlitzer Berg in Sachsen. *Zeitschr. f. prakt. Geol.* 1896, 442. 1896.
- *HERSHEY, OSCAR H. Early Pleistocene Deposits of Northern Illinois. *Am. Geol.* xvii. 287. 1896.
- *— 2. Preglacial Erosion Cycles in North-western Illinois. *Am. Geol.* xviii. 72. 1896.
- 3. The Silveria Formation. *Am. Journ. Sci.* ser. 4, ii. 324. 1896.
- HERZ, W. Ueber Salvadorit, einen neuen Kupfereisenvitriol. *Zeitschr. f. Kryst.* xxvi. 16. 1896.
- HESS, EDMUND. J. F. C. Hessel. Zur Säcularfeier seines Geburtstages (27 April, 1796). *N. J. f. Min.* 1896, ii. 107. 1896.
- HIBSCH, J. See BUCK, R.
- *HIBSCH, J. E. Erläuterungen zur geologischen Spezialkarte des böhmischen Mittelgebirges. Blatt I. Umgebung von Tetschen. [Map, $\frac{1}{25,000}$] *Min. petr. Mitth.* n. F. xv. 201. 1895. [See GRABER, H. V.]
- 2. Das körnige Gestein von Rongstock. *Min. petr. Mitth.* n. F. xv. 486. 1896.
- HICK, THOMAS. On a Sporangiferous Spike from the Middle Coal Measures, near Rochdale. *Mem. Manch. Lit. Phil. Soc.* ser. 4, x. 73. 1896.
- 2. On some Recent Advances in British Palæobotany. *Proc. Yorks. Geol. Soc.* 1895, n. s. xiii. 43. 1896.
- HICKS, HENRY. On some Life Zones in the Lower Palæozoic Rocks of the British Areas, as defined mainly by Researches during the past Thirty Years. *Geol. Mag.* dec. 4, i. 368, 399, 441. 1894. A.C.
- 2. The Evidences of Ice-action in North-west Pembrokeshire. *Glac. Mag.* i. 191. 1894. A.C.
- 3. The Homes and Migrations of the Earliest Known Forms of Animal Life, as indicated by Recent Researches. *Nat. Sci.* v. 417. 1894. A.C.
- 4. On the Genus *Plutonides* (non *Plutonia*) from the Cambrian Rocks of St. David's. *Nat. Sci.* v. 230. 1894. A.C.
- 5. On the Morte Slates, and Associated Beds in North Devon and West Somerset. Part I. [Map, North Devon, 1 inch = 2 miles.] *Q. J. G. S.* lii. 254. 1896. And A.C.
- 6. On the Pre-Cambrian and Cambrian Rocks of South Wales. *Trans. Cardiff Nat. Soc.* xxvii. (1). 1896. A.C.
- 7. The Palæozoic Rocks of West Somerset and North Devon. [Map, 1 inch = 7 miles.] *Proc. Geol. Assoc.* xiv. 357. 1896.
- 8. The Palæozoic Rocks of West Somerset and North Devon; with a List of Fossils from the Pickwell Down, Baggy, and Pilton Beds, by the Rev. G. F. WHIDBORNE, and Notes on the Trias, Rhætic, and Lias of West Somerset, by the Rev. H. H. WINWOOD. 8vo. London, 1896. A.C. [Geologists' Association Excursion.]

- HIKI, T. Notes on the Topaz from Mino. *Journ. Coll. Sci. Tokyo*, ix, 69. 1895.
- HILBER, V. Geologische Reise in Nordgriechenland und Makedonien, 1893 & 1894. *Sitz. k. Akad. Wissen. Wien*, ciii. Abth. 1, 575 & 616. 1894.
- HILGARD, E. W. The Geologic Efficacy of Alkali Carbonate Solution. *Am. Journ. Sci.* ser. 4, 100. 1896.
- HILL, EDWIN. Observations on East Anglian Boulder Clay. *Rep. Brit. Assoc. Adv. Sci.* 1895, 679. 1895.
- 2. Indications of Ice-raft Action through Glacial Times. *Rep. Brit. Assoc. Adv. Sci.* 1895, 679. 1895.
- 3. On Traces of an Ancient Watercourse. *Rep. Brit. Assoc. Adv. Sci.* 1895, 679. 1895.
- 4. On Transported Boulder Clay. [Yarmouth, Gorleston, Corton, Cockfield, & Lowestoft.] *Q. J. G. S.* lii. 302. 1896.
- HILL, H. Denudation as a Factor of Geological Time. *Trans. N.Z. Inst.* xxviii. 666. 1896. And A.C.
- 2. Ruapehu and the Volcanic Zone in 1895. *Trans. N.Z. Inst.* xxviii. 681. 1896. And A.C.
- HILL, WILLIAM. See JUKES-BROWNE, A. J.
- , & HORACE W. MONCKTON. Excursion to Hitchin. *Proc. Geol. Assoc.* xiv. 415. 1896. And A.C.
- HILL-TOUT, CHARLES. Later Prehistoric Man in British Columbia. *Proc. & Trans. Roy. Soc. Canada*, ser. 2, i. sec. ii. 103. 1895.
- HIND, WHEELTON. A Monograph on *Carbonicola*, *Anthracomya*, and *Naiadites*. Part III. *Monogr. Palæont. Soc.* 1. 1896.
- 2. A Monograph of the British Lamellibranchiata. Part I. *Monogr. Palæont. Soc.* i. 1896.
- 3. On Zonal Divisions of the Carboniferous System. *Geol. Mag.* dec. 4, iii. 255. 1896.
- HINDE, GEORGE JENNINGS. Descriptions of new Fossils from the Carboniferous Limestone. I.—On *Pemmatites constipatus*, sp. nov., a Lithistid Sponge. II.—On *Palæacis humilis*, sp. nov., a new Perforate Coral, with Remarks on the Genus. III.—On the Jaw-apparatus of an Annelid, *Eunicites Reidie*, sp. nov. *Q. J. G. S.* lii. 438, 1896. And A.C.
- See Fox, H., &c.
- , & HOWARD FOX. Supplementary Notices on the Radiolarian Rocks in the Lower Culm Measures to the West of Dartmoor. [Map, 1 inch = 4 miles.] *Trans. Devon. Assoc. Adv. Sci.* xxviii. 774. 1896.
- HINTZ, ERNST. See FRESSENIUS, R.
- HINXMAN, LIONEL W. Explanation of Sheet 75. West Aberdeenshire, Banffshire, parts of Elgin and Inverness; with Petrological Notes by J. J. H. TEALL. *Mem. Geol. Surv. Scotland*, Sheet 75. 1896.
- HITCHCOCK, C. H. Palæozoic Terranes in the Connecticut Valley. *Bull. Geol. Soc. Am.* vii. 510. 1896.
- 2. The Geology of New Hampshire. *Journ. Geol. Chicago*, iv. 44. 1896.
- HLAWATSCH, C. Ueber eine neue Kupfer-Antimon-Verbindung aus der k.-k. Hütte zu Brixlegg. *Sitz. k. Akad. Wissen. Wien*, civ. Abth. 1, 275. 1895.
- HOBBS, W. H. Diamanten von Wisconsin, *N. J. f. Min.* 1896, ii. 294. 1896.
- HOERNES, RUDOLF. *Pereiraia Gervaisii*, Véz., von Ivandol bei St. Bartelmae in Unterkrain. *Ann. k.-k. naturhist. Hofmus. Wien*, x. 1. 1895.
- 2. Das geologische Institut der k.-k. Karl-Franzens-Universität zu Gratz. *Mitth. nat. Ver. Steiermark*, 1895, 119. 1896.
- 3. Ueber das Erdbeben von Laibach und seine Ursachen. *Mitth. nat. Ver. Steiermark*, 1895, p. xlvi. 1896.
- HÖFER, H. Die geologischen Verhältnisse der St. Pauler Berge in Kärnten [*Bactryllium Suessi*]. *Sitz. k. Akad. Wissen. Wien*, ciii. Abth. 1, 467. 1894.
- 2. L'Origine des Gisements de Minerais de Plomb, de Zinc et de Fer de la Haute-Silésie. Traduit de l'allemand par H. FORR. 8vo. Liège. *Rev. univ. Mines*, ser. 3, xxx. 207. 1895. A.C.
- HOFFMANN, G. C. Report of the Section of Chemistry and Mineralogy. *Ann. Rep. Geol. Surv. Canada*, n. s. vii. R 1. 1896.
- HOFFMANN, L. Das Zinkerzvorkommen von Iserlohn. *Zeitschr. f. prakt. Geol.* 1896, 45. 1896.
- 2. Die Marmorlager von Auerbach an der Bergstrasse. [Map.] *Zeitschr. f. prakt. Geol.* 1896, 353, 466. 1896.
- See MELLIN, R.

- HOGBEN, G. Report of Seismological Committee. [South Australia, 1893, & New Zealand, 1893 (also Weasisi, Tanna, New Hebrides, by W. GRAY).] *Rep. Australasian Assoc. Adv. Sci.* 1895, vi. 309. 1896.
- HÖGBOM, A. G. Geologisk Beskrifning öfver Jemtlands Län. [Map, $\frac{1}{500,000}$.] *Sver. geol. Undersökn. Afh.* ser. C, no. 140, 1. 1894.
- 2. Ueber das Nephelinsyenitgebiet auf der Insel Alnö. [Map, $\frac{1}{40,000}$.] *Sver. geol. Undersökn. Afh.* ser. C, no. 148, 1. 1895.
- 3. Om högsta marina Gränsen i norra Sverige. *Geol. Fören. Stockh. Förh.* xviii. 469. 1896.
- HOGG, EVELYN G. See OFFICER, G.
- HOHMANN, TEODORO. Mineralojia Americana. *Bol. Soc. Nac. Minería, Santiago*, ser. 2, viii. 67, 116. 1896.
- HOLLAND, P. See DICKSON, E.
- , & E. DICKSON. Examination of Quartzite from Nills Hill, Pontesbury. *Proc. Liverpool Geol. Soc.* v. 380. 1888. A.C.
- , — 2. Remarks on the Formation of Clay. *Proc. Liverpool Geol. Soc.* vii. 108. 1893. A.C.
- , — 3. Notes on Analyses of Permian and Triassic Rocks. *Proc. Liverpool Geol. Soc.* vii. 443. 1896. And A.C.
- HOLLAND, R. See BURROWS, H. W.; see JONES, T. R.
- HOLLAND, THOMAS H. On the Igneous Rocks of the Giridih (Kuruhbaree) Coalfield and their Contact Effects. *Rec. Geol. Surv. [India]*, xxviii. 121. 1895. A.C.
- 2. On the Acicular Inclusions in the Indian Garnets. *Rec. Geol. Surv. India*, xxix. 16. 1896. And A.C.
- 3. On the Origin and Growth of Garnets, and of their Micropegmatitic Inter-growths in Pyroxenic Rocks. *Rec. Geol. Surv. India*, xxix. 20. 1896. And A.C.
- HOLLANDE, —. À propos d'une Note de M. DELEBECQUE sur l'Âge du Lac du Bourget, des Alluvions anciennes de Chambéry et de la Vallée de l'Isère. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. xii. 1895.
- 2. Feuille d'Albertville. *Bull. Serv. Carte géol. France*, viii. (no. 53) 165. 1896.
- HOLLICK, ARTHUR. Dislocations in certain Portions of the Atlantic Coastal Plain Strata and their probable Causes. *Trans. N.Y. Acad. Sci.* xiv. 8. 1895.
- 2. Martha's Vineyard Cretaceous Plants. *Bull. Geol. Soc. Am.* vii. 12. 1896.
- HOLLÓS, L. Der Untergrund der Stadt Kecskemét. *Földt. Közl.* xxv. 337, 373. 1895.
- 2. Ueber den Lignit aus den Bohrlöchern bei Kecskemét. *Földt. Közl.* xxvi. 130, 179. 1896.
- HOLM, GERHARD. Om *Didymograptus*, *Tetragraptus* och *Phyllograptus*. *Sver. geol. Undersökn. Afh.* ser. C, no. 150, 1. 1895.
- 2. Om tvenne *Gyroceras*-formigt böjda *Endoceras*-arter. *Sver. geol. Undersökn. Afh.* ser. C, no. 153, 1. 1895.
- 3. Om de endosifonala Bildningarna hos Familjen *Endoceratida*. *Sver. geol. Undersökn. Afh.* ser. C, no. 153 (3). 1895.
- 4. Om Apicalandan hos *Endoceras*. *Geol. Fören. Stockh. Förh.* xviii. 394. 1896.
- HOLMAN, F. C. Note on certain Water-worn Vein-Specimens. *Trans. Am. Inst. M. E.* xxv. 514. 1896.
- 2. —. *Coll. Guard.* lxxi. 223. 1896.
- HOLMES, J. A. Notes on the Kaolin- and Clay-Deposits of North Carolina. *Trans. Am. Inst. M. E.* xxv. 929. 1896.
- 2. —. *Coll. Guard.* lxxi. 468. 1896.
- 3. Notes on the Underground Supplies of Potable Waters in the South Atlantic Piedmont Plateau. *Trans. Am. Inst. M. E.* xxv. 936. 1896.
- HOLMES, T. V. Notes on the Ancient Physiography of South Essex. *Rep. Brit. Assoc. Adv. Sci.* 1895, 685. 1895.
- 2. Excursion to Chingford Museum and Epping Forest. *Proc. Geol. Assoc.* xiv. 336. 1896.
- 3. Notes on the Whitehaven Sandstone. *Geol. Mag.* dec. 4. iii. 405. 1896.
- HOLMSTRÖM, L. Studier öfver de lösa Jordlagen vid Egendomen Klågerup i Skåne. *Geol. Fören. Stockh. Förh.* xviii. 300. 1896.
- HOLMQVIST, P. J. Till Frågan om Alnöiten Titanhalt. *Geol. Fören. Stockh. Förh.* 1895, xvii. 686. 1896.

- HOLROYD, W. F., & J. BARNES. On the Rocks and Fossils of the Yoredale Series of the Marsden and Saddleworth Valleys. *Trans. Manch. Geol. Soc.* xxiv. 70. 1896.
- 2. On the Stratified Clay of Strathearn, and on the Imatra or 'Fairy Stones' found therein. *Trans. Manch. Geol. Soc.* xxiv. 110. 1896.
- HOLST, N. O. Beskrifning till Kartbladet Skanör. [Map, $\frac{1}{50,000}$.] *Sver. geol. Undersökn.* ser. A a, no. 112, 1. 1895.
- 2. Har det funnits mera än en Istdi i Sverige? *Sver. geol. Undersökn. Afh.* ser. C, no. 151. 1895.
- & J. C. MÖBERG. Om Lommalerans Ålder. [Map, Lomma District (Ore Sound), Malmöhus, $\frac{1}{50,000}$.] *Sver. geol. Undersökn. Afh.* ser. C, no. 149, 1. 1895. [See DE GEER, G., also MADSEN, V.]
- HOLZAPFEL, E. I. Bericht über die Aufnahme-Arbeiten in der Gegend von Wetzlar. II.—Ueber die Aufnahme in der Aacher Gegend. *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv. p. xxxv. 1895.
- *HOPKINS, T. C. The Carboniferous Sandstones of Western Indiana. [Maps.] *Ann. Rep. Depart. Geol. Indiana*, xx. 1895, 188. 1896.
- HORNE, J. Note on the Occurrence of *Alethopteris lonchitica* in Carboniferous Beds of Loch Ryan (Wigtown). *Trans. Edinb. Geol. Soc.* vii. 111. 1895.
- & E. GREENLY. On Foliated Granites and their Relations to the Crystalline Schists in Eastern Sutherland. *Q. J. G. S.* lii. 633. 1896.
- , B. N. PEACH, & J. J. H. TEALL. Memoirs of the Geological Survey, Scotland. Explanation of Sheet 5. Kirkcudbrightshire. *Mem. Geol. Surv. Scotland.* 1896.
- HORNELL, JAMES. The Geology of Jersey. *Journ. Liverpool Geol. Assoc.* xv. 10. 1895.
- HOSKINS, LEANDER MILLER. See VAN HISE, C. R.
- HOVEY, E. O. Notes on some Specimens of Minerals from Washington Heights, New York City. [Xenotime, Monazite, Tourmaline.] *Bull. Amer. Mus. Nat. Hist.* N.Y. vii. 341. 1895.
- HOWARD, F. T. The Hæmatite Deposits of South Wales, and the Theories regarding their Formation. *Trans. Cardiff Nat. Soc.* xxvi. (1). 1893. A.C.
- 2. Underground Water Circulation of Cardiff and its Neighbourhood. *Trans. Cardiff Nat. Soc.* xxvi. (1). 1894. A.C.
- 3. The Geology of Barry Island. [Map.] *Trans. Cardiff Nat. Soc.* xxvii. (1). 1895. A.C.
- 4. Geological Notes:—*Ichthyosaurus* from Lower Penarth Lias; Deep Well Boring at Cardiff Docks. *Trans. Cardiff Nat. Soc.* xxviii. (1). 1896.
- 5. The Geography, Geology, and Physical Features of the Cardiff District. Svo. Cardiff, 1896. A.C.
- , & E. W. SMALL. Geological Notes on Skomer Island. [Map, 2 inches = 1 mile.] *Trans. Cardiff Nat. Soc.* xxviii. (1). 1896. A.C.
- , & T. H. THOMAS. Note on *Eophrynus*. *Trans. Cardiff Nat. Soc.* xxviii. (1). 1896. A.C.
- HOWARTH, O. H. Popocatepetl, and the Volcanoes of the Valley of Mexico. *Geogr. Journ.* viii. 137. 1896.
- HOWCHIN, WALTER. Carboniferous Foraminifera of Western Australia, with Description of New Species. *Trans. R. Soc. S. Aust.* xix. 194. 1895.
- 2. Two New Species of Cretaceous Foraminifera. *Trans. R. Soc. S. Aust.* xix. 193. 1895.
- See TATE, R., &c.
- HOWE, JAMES LEWIS, & H. D. CAMPBELL. Examination of Specimens from Chichan-Kanab, Yucatán. *Am. Journ. Sci.* ser. 4, ii. 413. 1896.
- HOWELL, H. H. See BARROW, G.
- *HOWORTH, SIR HENRY H. Casual Thoughts on Museums. Part III.—Palaeontological Museums. *Nat. Sci.* viii. 114, &c. 1896.
- 2. The Destruction and Shattering of the Chalk of Eastern England. *Geol. Mag.* dec. 4, iii. 58. 1896.
- 3. The Dislocation and Disintegration of the Chalk in Eastern England and in Denmark. *Geol. Mag.* dec. 4, iii. 298. 1896.
- 4. The Chalky and other Post-Tertiary Clays of Eastern England. *Geol. Mag.* dec. 4, iii. 449. 1896.
- 5. The so-called Middle Sands and Glacial Gravels of Eastern England. *Geol. Mag.* dec. 4, iii. 533. 1896.

- HUDLESTON, WILFRID H. A Monograph of the Inferior Oolite Gasteropoda. (Being Part I. of the British Jurassic Gasteropoda.) Part I. no. 9. *Monogr. Palæont. Soc.* l. 1896.
- 2. Notes on Indian Geology, including a Visit to Kashmir; with Appendix on the Rock-specimens, by C. A. M^cMAHON. [Geological Map, 120 miles to 1 inch.] *Proc. Geol. Assoc.* xiv. 226, 262. 1896. And A.C.
- , OWEN L. MANSEL, H. W. MONCKTON, & T. LEIGHTON. Excursion to Swanage, Corfe Castle, Kimeridge, &c. *Proc. Geol. Assoc.* xiv. 307. 1896. And A.C.
- HÜGEL, ANATOLE VON. The Land of the Bataks. [Abstract.] *Geogr. Journ.* vii. 75. 1896.
- HUGHES, H. W. On the Mineral Resources of South Staffordshire. *Journ. Iron & Steel Inst.* xlviii. 22. 1895. [Geological Map $\frac{9}{16}$ inch to 1 mile.]
- *HULL, EDWARD. Note on Mr. Kendall's Observations on the Alpine Glaciers. *Glac. Mag.* ii. 79. 1894.
- 2. Another Possible Cause of the Glacial Epoch. *Geol. Mag.* dec. 4, iii. 514. 1896.
- 3. Holy Scripture illustrated and confirmed by Recent Discoveries in Palestine and the East. *Journ. Vict. Inst. London*, xxviii. 129. 1896.
- 4. Note on the supposed Discovery of Remains belonging to an Animal intermediate between Man and the Apes. *Journ. Vict. Inst. London*, xxviii. 265. 1896.
- 5. Observations on the Geology of the Nile Valley, and on the Evidence of the Greater Volume of the River at a Former Period. *Q. J. G. S.* lii. 308. 1896.
- 6. Post-Pliocene Submergence of the Isle of Wight. *Geol. Mag.* dec. 4, iii. 66. 1896. And A.C.
- 7. The Eastern Limits of the Midland Coalfield. *Trans. Fed. Inst. M. E.* xi. 9. 1896.
- HUME, W. F. Baku and its Oil Industry. *Nature*, liv. 232. 1896.
- 2. The Petroleum Industry at Baku. *Coll. Guard.* lxxii. 452. 1896.
- HUNT, A. R. Notes on Petrological Nomenclature: Schist, Slate, Phyllade, and Phyllite. *Geol. Mag.* dec. 4, iii. 31. 1896.
- 2. West Country Geological Problems. *Trans. Devon. Assoc. Adv. Sci.* xxviii. 507. 1896.
- HUTCHINGS, W. MAYNARD. Clays, Shales, and Slates. *Geol. Mag.* dec. 4, iii. 309, 343. 1896.
- HUTCHINSON, FRANK, &c. New South Wales: 'The Mother Colony of the Australias.' [Mining Industry, by W. H. J. SLEE, p. 226; Collieries, by JOHN MACKENZIE, p. 238; The Rise and Progress of Artesian Boring, by J. W. BOULTBEE, p. 255.] 8vo. Sydney, 1896.
- HUTCHINSON, H. N. Descriptive Lecture on Prehistoric Man in Britain and Europe. 8vo. London, 1896.
- 2. Prehistoric Man and Beast. 8vo. London, 1896.
- HUTTON, F. W. On a Deposit of Moa-bones at Kapua. *Trans. N.Z. Inst.* xxviii. 627. 1896.
- 2. On the Moa-bones from Enfield. *Trans. N.Z. Inst.* xxviii. 645. 1896.
- 3. On the Behaviour of Two Artesian Wells at Canterbury Museum. *Trans. N.Z. Inst.* xxviii. 654. 1896.
- HYNDMAN, H. H. F. Analysis of a Spherulite and the Matrix in a Natural and an Artificial Rock. With Notes on their Microscopic Structure, by T. G. BONNEY. *Geol. Mag.* dec. 4, iii. 365. 1896.
- IDDINGS, JOSEPH P. Absarokite-Shoshonite-Banakite Series. *Journ. Geol. Chicago*, iii. 935. 1895.
- 2. Extrusive and Intrusive Igneous Rocks as Products of Magmatic Differentiation. [Map, Idaho, Montana, and Wyoming, $\frac{1}{2,500,000}$.] *Q. J. G. S.* lii. 606. 1896.
- IGELSTRÖM, L. J. Rhodophosphit und Tetragophosphit, zwei neue Mineralien von Horrsjöberg in Wermland. *Zeitschr. f. Kryst.* xxv. 433. 1895.
- 2. Mineralogiska Meddelanden [Blibergssite, Ransätite]. *Geol. Fören. Stockh. Förh.* xviii. 41. 1896.
- ILOSVAY, L. VON. Neuer Beitrag zur Kenntniss der Ofner Bitterwässer. *Földt. Közl.* xxvi. 293. 1896.
- INGALL, ELFRIC DREW. On the Cherts and Dolomites of the Animikie Rocks of Thunder Bay, Lake Superior. *Canad. Rec. Sci.* v. 29. 1892.
- , & H. P. H. BRUMELL. Division of Mineral Statistics and Mines. Report for 1893 and 1894. *Ann. Rep. Geol. Surv. Canada*, n. s. vii. S 1. 1896.
- INGALLS, WALTER RENTON. The Nomenclature of Zinc Ores. *Trans. Am. Inst. M. E.* xxv. 17. 1896.

- INGALLS, WALTER RENTON. 2. The Tin Deposits of Durango, Mexico. *Trans. Am. Inst. M. E.* xxv. 146. 1896.
- INKEY, BELA VON. Petrologisches aus der Tiefebene. *Jahresb. k.-ung. geol. Anst.* 1893, 150. 1895.
- INOSTRANZEV, A. Excursion géologique dans le District d'Altaï en 1894. *Travaux Sect. géol. Cabinet Sa Majesté, St.-Petersb.* i. 1. 1895.
- 2. Programme de Recherches géologiques dans le District d'Altaï. Bibliographie géologique et géographique du District d'Altaï. *Travaux Sec. géol. Cabinet Sa Majesté, St.-Petersb.* i. pp. xi, xv. 1895.
- , N. KARAKASCH, F. LOEWINSON-LESSING, & S. W. STRESCHESKY. Au travers de la Chaîne principale du Caucase. Recherches géologiques le long de la Ligne projetée du Chemin de Fer de Vladikavkas à Tiflis au travers du Col de l'Arkhotis. [Map, 1 inch = 5 versts.] 4to. St. Petersburg, 1896.
- INVILLIERS, E. V. D'. See LESLEY, J. P.
- IPPEN, J. A. Petrographische Untersuchungen an krystallinen Schiefem der Mittelsteiermark (Koralpe, Stubalpe, Possruck). *Mitth. nat. Ver. Steiermark*, 1895, 3. 1896.
- JACCARD, P. See CHUARD, E., &c.
- JACK, ROBERT L. Stratigraphical Notes on the Georgina Basin, with reference to the Question of Artesian Water. *Proc. Roy. Soc. Queensland*, xi. (1). 1895. A.C.
- 2. Annual Progress Report of the Geological Survey of Queensland for the year 1895. [Maps, Palmer District, 1 inch = 2 miles, 1 inch = $\frac{1}{2}$ mile, 1 inch = $\frac{1}{4}$ mile.] *Ann. Progr. Rep. Geol. Surv. Queensland*, 1895, 3. 1896.
- 3. Artesian Water in the Western Interior of Queensland. *Rep. Australasian Assoc. Adv. Sci.* 1895, vi. 330. 1896.
- 4. Note on the Discovery of Organic Remains [Silurian] in the Cairns Range, Western Australia. *Proc. Roy. Soc. Queensland*, xii. (1). 1896. A.C.
- 5. Notes on the Present Condition of the Hodgkinson Goldfield. *Bull. Geol. Surv. Queensland*, no. 4, 1. 1896. And A.C.
- 6. The Submarine Leakage of Artesian Water. *Proc. Roy. Soc. Queensland*, xii. (1). 1896. A.C.
- JACKSON, ROBERT TRACY. Studies of Palæchinoidea. *Bull. Geol. Soc. Am.* vii. 171. 1896.
- , & T. A. JAGGAR, Jun. Studies of *Melonites multiporus*. *Bull. Geol. Soc. Am.* vii. 135. 1896.
- JAEKEL, OTTO. Ueber die Organisation der Pleuracanthiden. *Sitz. Gesell. naturf. Freunde, Berlin*, 1895, 69. 1895.
- 2. Ueber eine neue Gebissform fossiler Selachier. *Sitz. Gesell. naturf. Freunde, Berlin*, 1895, 200. 1895.
- JAGGAR, THOMAS AUGUSTUS, JUN. See JACKSON, R. T.
- JAHN, JAROSLAV J. Das erste Vorkommen von pleistocäner Teichkreide in Böhmen. *Verh. k.-k. geol. Reichsanst.* 1895, 313. 1895.
- 2. Bericht über die Aufnahme-Arbeiten im Gebiete zwischen Pardubitz, Elbe-Teinitz, Neu-Bydžoy und Königgrätz in Ostböhmen. *Verh. k.-k. geol. Reichsanst.* 1896, 159. 1896.
- 3. Ueber die geologischen Verhältnisse des Cambrium von Tejšovic und Skrej in Böhmen. *Jahrb. k.-k. geol. Reichsanst.* 1895, 641. 1896.
- JAMES, BURTON S. The Westralian Goldfields. 8vo. London, 1896.
- JAMES, JOSEPH F. Manual of the Palæontology of the Cincinnati Group.—Part VI. [Continuation. *Monticulipora*.] *Journ. Cinc. Soc. Nat. Hist.* xviii. 67. 1895. And A.C.
- 2. Manual of the Palæontology of the Cincinnati Group.—Part VII. *Journ. Cinc. Soc. Nat. Hist.* xviii. 115. 1896.
- 3. The First Fauna of the Earth. *Am. Nat.* xxix. 879, 979. 1895. A.C.
- *JAMESON, H. LYSTER. On the Exploration of the Caves of Enniskillen and Mitchellstown. *Irish Naturalist*, v. 93. 1896.
- JANET, LÉON. Révision de la Feuille de Meaux. *Bull. Serv. Carte géol. France*, viii. (no. 53) 14. 1896.
- 2. Sur l'Allure des Grès bartoniens dans la Région de Château-Thierry. [Map, $\frac{1}{50,000}$.] *Bull. Soc. géol. France*, sér. 3, xxiv. 49. 1896.
- JAQUET, JOHN B. Progress Report for 1895. [Gold Reefs at Cumberoona and Wyndham; Specimen Hill, Binni Creek; Restdown Amphitheatre, Hermidale and Bee Mountain; Cujong Goldfield; Condobolin, Melrose, and Cujong Districts; Mount Drysdale; Talbragar River Auriferous Drifts; Amos and Golden Dyke Mines, Tuena; Berthong near Wallendbeen; Woodstock, Yalgogrin Goldfield.] [Map, Berthong, near Wallendbeen, $\frac{1}{63,300}$.] *Ann. Rep. Depart. Mines, N.S.W.* 1895, 173. 1896.

- JAQUET, JOHN B. 2. Report on the Occurrence of Platinum at Fifield. *Ann. Rep. Depart. Mines, N.S.W.* 1895, 181. 1896.
- 3. Auriferous Deposits in the Vicinity of Wattle Flat and Sofala (N.S.W.). *Rep. Mining Conference N.S.W.* 1896, 84. 1896.
- 4. The Intrusive and Metamorphic Rocks of Berthong, Co. Bland, N.S.W. [Map, 100 chains to 1 inch.] *Rec. Geol. Surv. N.S.W.* v. 18. 1896.
- 5. The Occurrence of Platinum in New South Wales. *Rec. Geol. Surv. N.S.W.* v. 33. 1896.
- JARINTZOV, DMITRI THEODOR. On the Construction of the Military Outport at Libau (Courland). [Geological Formation of District.] *Min. of Proc. Inst. C. E.* cxvii. 360. 1896.
- JAROSCHKA, JOSEF. Das Steinkohlenggebiet bei Kladno, Schlan und Rakonitz (Böhmen). *Berg.-hütt. Jahrb. Wien*, xlv. 133. 1896.
- JASPER, —. Gewinnung und Verwerthung von Asphalt auf dem Bergwerk Lobsann im Elsass. *Zeitschr. f. Berg-, Hütt.-Salin.* xlv. 387. 1896.
- JEFFS, OSMUND W. Photographs of Geological Interest in the United Kingdom. *Rep. Brit. Assoc. Adv. Sci.* 1895, 404. 1895.
- *JENTZSCH, ALFRED. Begleitworte zur Höhengschichten-Karte Ost- und Westpreussens. [Contour Map, $\frac{1}{300,000}$.] *Schriften physik.-ökonom. Gesell. Königsberg*, xxxvi. 75. 1895.
- 2. Neue Funde zur preussischen Diluvialfauna. *Schriften physik.-ökonom. Gesell. Königsberg*, xxxvi. 13. 1895.
- 3. Mittheilung über Ergebnisse seiner Aufnahmen in der Colberger Gegend. *Jahrb. k. preuss. geol. Landesanst.* 1894, xv. p. lxxii. 1895.
- 4. Ueber die Chronologie der Eiszeiten. *Schriften physik.-ökonom. Gesell. Königsberg*, xxxvii. (1). 1896. A.C.
- *— 5. Die abnorme geothermische Tiefenstufe der Keweenaw-Halbinsel. [Calumet, Mich.] *Peterm. Mitth.* xlii. 42. 1896.
- #— 6. Ueber den versuchten Nachweis des Interglacial durch Bohrmuscheln. *Zeitschr. deutsch. geol. Gesell.* xlvii. 740. 1896. And A.C.
- 7. Ist weissgefleckter Feuerstein ein Leitgeschiebe? *Zeitschr. deutsch. geol. Gesell.* xlviii. 169. 1896. And A.C.
- JESSEN, A. See MOLKE, C.
- JEWEL-EVANS, C. The Chemistry and Geology of Coal. *Journ. Northants Nat. Hist. Soc.* viii. 189, 229. 1895.
- JOHN, C. von. Ueber die chemische Beschaffenheit und den Ursprung des am 25. und 26. Februar 1896 gefallenen Staubes. *Verh. k.-k. geol. Reichsanst.* 1896, 259. 1896.
- JOHNSTON-LAVIS, H. J. The Volcanic Phenomena of Vesuvius. *Rep. Brit. Assoc. Adv. Sci.* 1895, 351. 1895.
- 2. Notizie sui Depositi degli antichi Laghi di Pianura (Napoli) e di Melfi (Basilicata), e sulle Ossa mammifere in essi rinvenute, del E. FLORES. [*Cervus elaphus.*] *Boll. Soc. geol. ital.* xiv. 111. 1896.
- , & J. W. GREGORY. Eozoöal Structure of the Ejected Blocks of Monte Somma. *Sci. Trans. R. Dublin Soc.* ser. 2, v. 259. 1894. And *Sci. Proc. R. Dublin Soc.* n. s. viii. 280. 1894.
- JOHNSTON, R. M. Notes on some Fossil Plants new to Tasmania. *Papers & Proc. Roy. Soc. Tasmania*, 1894-95, 57. 1896.
- JONES, T. RUPERT. The Fossil Phyllopora of the Palæozoic Rocks. *Rep. Brit. Assoc. Adv. Sci.* 1895, 416. 1895.
- 2. (Assisted by H. W. BURROWS, C. D. SHERBORN, F. W. MILLETT, R. HOLLAND, & F. CHAPMAN.) A Monograph of the Foraminifera of the Crag.— Part III. *Monogr. Palæont. Soc.* l. 1896.
- 3. Quelques Ostracodes fossiles de la Belgique. *Ann. Soc. géol. Belg. Liège*, xxiii. 143. 1896. And A.C.
- See STRAHAN, A.
- , & JAMES W. KIRKBY. On Carboniferous Ostracoda from Ireland. *Sci. Trans. R. Dublin Soc.* ser. 2, vi. 173. 1896. A.C.
- JONSSON, J. Beskrifning till agronomiskt geologisk Karta öfver Inegorna till Aas högre Landbruksskola i Norge. [Map, $\frac{1}{6000}$.] *Sver. geol. Undersök.* ser. Bb, no. 8, l. 1895.
- JORDAN, JAMES B. See ATKINSON, J. B., &c.
- JORISSEN, A. Sur la Présence du Molybdène, du Sélénium, du Bismuth, etc., dans le Terrain houiller du Pays de Liège. *Ann. Soc. géol. Belg. Liège*, xxiii. 101. 1896.
- JOWA, L. Moyen d'obtenir rapidement des Cristaux de Gypse de grandes Dimensions. *Ann. Soc. géol. Belg. Liège*, xxiii. p. cxxviii. 1896.

- JUDD, JOHN W. On some Massive Minerals (simple Crystalline Rocks) from India and Australia. *Min. Mag.* xi. 56. 1895. A.C.
- 2. On the Structure-planes of Corundum. *Min. Mag.* xi. 49. 1895. A.C.
- *— 3. The Student's Lyell. A Manual of Elementary Geology. [Maps, England & Wales & part of Scotland. Scale about 90 miles to 1 inch.] 8vo. London, 1896.
- JUKES-BROWNE, A. J. The Fossils of the Warminster Greensand. *Geol. Mag.* dec. 4, iii. 261. 1896.
- , & WILLIAM HILL. A Delimitation of the Cenomanian; being a Comparison of the Corresponding Beds in South-western England and Western France. *Q. J. G. S.* lii. 99. 1896.
- KAHLE, P. Krokiren für technische und geographische Zwecke. *Zeitschr. f. prakt. Geol.* 1895, 484. 1895; and 1896, 10, 62, 135. 1896.
- KALB, COURTENAY DE. Onyx-Marbles. *Trans. Am. Inst. M. E.* xxv. 557. 1896.
- KALECSINSZKY, ALEXANDER VON. Mittheilungen aus d. chem. Laboratorium d. kön.-ung. geolog. Anstalt. [Marble, Shale, Marl, Clay, Serpentine, Coal, and Water Analyses.] *Jahresb. k.-ung. geol. Anst.* 1893, 170. 1895.
- KARAKASCH, N. See INOSTRANZEV, A.
- KARNOSCHITZKY, A. N. Ueber die Natur und den Ursprung der Vicinalflächen der Krystalle. *Verh. russ.-k. min. Gesell.* ser. 2, xxxiii. 65. 1895.
- KARPINSKY, ALEXANDRE. Compte-rendu des Travaux du Comité géologique en 1895. *Bull. Com. géol. Russie*, 1896, xv. 35. 1896.
- KAY, THOMAS. On an Earthen Vase found in the Boulder Clay at Stockport. *Mem. Manch. Lit. Phil. Soc.* ser. 4, x. 87. 1896.
- KAYSER, EMANUEL. Mittheilungen über Aufnahmen im Dillenburgischen. *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv. p. xxxiii. 1895.
- 2. Ueber das Alter von *Myalina bilsteinensis*. *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv., *Abh. Mitarb.* 122. 1895.
- 3. Die Fauna des Dalmaniten-Sandsteins von Kleinlinden bei Giessen. *Schriften Gesell. Naturw. Marburg*, xiii. 1. 1896. A.C.
- 4. Versteinerungen aus dem Devon der Gegend von Giessen. *Sitz. Gesell. Naturw. Marburg*, 1896, 36. 1896. A.C.
- 5. Vulkanische Bomben aus nassauischem Schalstein. *Zeitschr. deutsch. geol. Gesell.* xlviii. 217. 1896. And A.C.
- See LASPEYRES, H.
- KAYSER, HEINRICH WILHELM FERDINAND, & RICHARD PROVIS. Mount Bischoff Tin Mine, Tasmania. *Minutes of Proc. Inst. C. E.* cxxiii. 377. 1896.
- KEILHACK, KONRAD. [Ueber schwedischen glacialen Sand.] *Zeitschr. deutsch. geol. Gesell.* xlviii. 229. 1896.
- *— 2. Lehrbuch der praktischen Geologie. 8vo. Stuttgart, 1896.
- See BERENDT, G.
- KEITH, ARTHUR. Some Stages of Appalachian Erosion. *Bull. Geol. Soc. Am.* vii. 519. 1896.
- KELLGREN, A. G. Praktiskt botanisk och geologisk Beskrifning af de s. k. Ryrona i sydöstra Halland. *Sver. geol. Undersökn., Afh.* ser. C, no. 157, 1. 1895.
- KEMP, JAMES FURMAN. Report on the Geology of Essex County (N.Y.). *Ann. Rep. State Geologist, New York*, 1893, xiii. vol. i. 431. 1894.
- 2. The Geological Section of the East River, at Seventieth Street, New York. *Trans. N.Y. Acad. Sci.* xiv. 273. 1895.
- 3. Illustrations of the Dynamic Metamorphism of Anorthosites and related Rocks in the Adirondacks. *Bull. Geol. Soc. Am.* vii. 488. 1896.
- 4. Titaniferous Iron Ores of the Adirondacks. *Bull. Geol. Soc. Am.* vii. 15. 1896.
- See MERRILL, F. J. H.
- KENDALL, J. D. The Whitehaven Sandstone Series. *Trans. N. Engl. Inst. M. E.* xlv. 102. 1895.
- *KENDALL, PERCY F. Geological Observations upon some Alpine Glaciers. *Glac. Mag.* ii. 43, 63, 83, 120. 1894.
- *— 2. Geological Observations on some Alpine Glaciers. *Glac. Mag.* ii. 127. 1895.
- *— 3. Subaqueous Deposition of Boulder Clay. *Glac. Mag.* ii. 144. 1895.
- *— 4. Alpine Glaciers. *Glac. Mag.* iii. 124. 1895.
- 5. Erratic Blocks of England, Wales, and Ireland. *Rep. Brit. Assoc. Adv. Sci.* 1895, 430. 1895.
- 6. Notes on the Superficial Geology of the Vale of York. *Proc. Yorks. Geol. Soc.* 1895, n. s. xiii. 89. 1896.

- KENDALL, PERCY F. See HULL, E.
- , & J. LOMAS. On Modern Glacial Striæ. *Rep. Brit. Assoc. Adv. Sci.* 1895, 685. 1895.
- * —, — 2. Contributions to the Glacial Geology of North Wales. *Glac. Mag.* iii. 170. 1896.
- KERNER, FRITZ VON. Bericht über eine Studienreise in mehrere alpine Carbongebiete [Isère]. *Verh. k.-k. geol. Reichsanst.* 1895, 324. 1895.
- 2. Der geologische Bau des mittleren und unteren Kerkagebietes. *Verh. k.-k. geol. Reichsanst.* 1895, 413. 1895.
- 3. Aus der Umgebung von Sebenico. *Verh. k.-k. geol. Reichsanst.* 1896, 278. 1896.
- KEYES, CHARLES ROLLIN. The Origin and Relations of Central Maryland Granites. With an Introduction on the General Relations of the Granitic Rocks in the Middle Atlantic Piedmont Plateau, by GEORGE HUNTINGTON WILLIAMS. *Ann. Rep. U.S. Geol. Surv.* 1893-94, xv. 657. 1895. And A.C.
- 2. Geographic Relations of the Granites and Porphyries in the Eastern part of the Ozarks. *Bull. Geol. Soc. Am.* vii. 363. 1896.
- * — 3. Thickness of the Palæozoic Rocks in the Mississippi Basin. *Am. Geol.* xvii. 169. 1896.
- * — 4. Orotaxis: a Method of Geologic Correlation. *Am. Geol.* xviii. 289. 1896.
- * — 5. Serial Nomenclature of the Carboniferous. *Am. Geol.* xviii. 22. 1896.
- 6. The Bethany Limestone of the Western Interior Coalfield. *Am. Journ. Sci.* ser. 4, ii. 221. 1896.
- 7. Ueber das Carbon des Mississippithales. *N. J. f. Min.* 1896, i. 96. 1896.
- KIDSTON, ROBERT. On *Lepidophloios*, and on the British Species of the Genus. *Trans. Roy. Soc. Edinb.* xxxvii. 529. 1894.
- 2. On the Fossil Flora of the South Wales Coalfield, and the Relationship of its Strata to the Somerset and Bristol Coalfield. *Trans. Roy. Soc. Edinb.* xxxvii. 565. 1894.
- 3. On the Fossil Flora of the Yorkshire Coalfield. *Trans. Roy. Soc. Edinb.* xxxviii. 203. 1896.
- 4. On the Occurrence of *Sphenopteris communis*, Lesqx., in Britain. *Proc. R. Phys. Soc. Edinb.* 1894-95, 87. 1895.
- KILIAN, W. Sur la nouvelle Nomenclature des Terrains sédimentaires proposée par MM. MUNIER-CHALMAS et DE LAPPARENT. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. xxx. 1895.
- 2. Un nouveau Gisement d'Unios plissés dans l'Étage Pontique (Miocène supérieur) du Sud-Est. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. xxxi. 1895.
- 3. Feuilles de Briançon, Grenoble, Vizille, Die, Gap, Digne, et le Buis. *Bull. Serv. Carte géol. France*, viii. (no. 53), 172. 1896.
- 4. Feuille de Valence. *Bull. Serv. Carte géol. France*, viii. (no. 53), 116. 1896.
- 5. Notes sur divers Points de Géologie alpine. *Bull. Soc. géol. France*, ser. 3, xxiv. 299. 1896.
- 6. Observations à propos d'une Note de M. E. HAUG [Alpes occidentales]. *Bull. Soc. géol. France*, ser. 3, xxiv. 91. 1896.
- 7. Deux Mots sur les Chaînes subalpines du Dauphiné. *Bull. Soc. géol. France*, ser. 3, xxiv. 174. 1896.
- See DUPARC, L.; see MICHEL-LÉVY, A., &c.
- , & P. TERMIER. Sur quelques Roches éruptives des Alpes françaises. *Bull. Soc. géol. France*, ser. 3, xxii. 395. 1895.
- , P. ZÜRCHER, & L. CAYEUX. Réunion extraordinaire dans les Basses-Alpes (Régions de Lure et de Castellane). *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. cxxix, &c. 1895.
- KINAHAN, GEORGE HENRY. Quartz, Quartz-Rock, and Quartzite. *Proc. R. Irish Acad.* ser. 3, iii. 580. 1895.
- 2. On possible Land Connexions, in Recent Geological Times, between Ireland and Great Britain. *Trans. Manch. Geol. Soc.* xxiv. 112. 1896.
- * KINDLE, EDWARD. The Whetstone and Grindstone Rocks of Indiana. [Map.] *Ann. Rep. Depart. Geol. Indiana*, xx. 1895, 329. 1896.
- KING, W. (Director), R. D. OLDHAM, &c. Geological Survey of India. Geological Map of India. Scale, 1 inch = 32 miles or $\frac{1}{2,027,500}$. In six sheets. 2nd edit on. Corrected to 31st Dec., 1892. Calcutta.
- KINGSBURY, J. T. Nickel and Cobalt. *Utah Univ. Quart.* ii. 96. 1896.
- KIRCHHOFF, CHARLES. Copper. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iii. 332. 1895.

- KIRCHHOFF, CHARLES. 2. Lead. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iii. 359. 1895.
- 3. Zinc. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iii. 378. 1895.
- KIRK, M. Z. The Sands of the Kansas River Valley. *Kansas Univ. Quarterly*, iv. 125. 1896.
- KIRKBY, JAMES W. See JONES, T. R., &c.
- KIRKPATRICK, R. See LYDEKKER, R., &c.
- *KISSLING, E. Die Fauna des Mittel-Oligocäns im Berner-Jura. [Ostrakoden von E. LIENENKLAUS.] *Abh. schweiz. paläont. Gesell.* 1895, xxii., Monogr. iii. 1. 1896.
- KJELLMARK, KNUT. See SERNANDER, R.
- KJERULF, TH. Beskrivelse af en Række Norske Bergarter. 4to. Christiania, 1892.
- KLITKE, M. Entwicklung, Organisation und Leistungen der geologischen Landesaufnahmen in den Vereinigten Staaten von Nordamerika. *Zeitschr. f. prakt. Geol.* 1896, 209, 290. 1896.
- KLOCKMANN, —. Mittheilung über Aufnahmen im Oberharz. *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv. p. xxx. 1895.
- KNERR, E. B. Coal in Atchison County, Kansas. *Trans. Kansas Acad. Sci.* xiv. 216. 1896.
- KNOWLTON, F. H. A Review of the Fossil Flora of Alaska, with Descriptions of New Species. *Proc. U.S. Nat. Mus. Washington*, 1894, xvii. 207. 1895.
- 2. The Tertiary Floras of the Yellowstone National Park. *Am. Journ. Sci.* ser. 4, ii. 51. 1896.
- *KNOX, HOWARD V. The Great Avalanche on the Gemmi Pass. *Nat. Sci.* viii. 17. 1896.
- *KOPY, F. Monographie des Polypiers crétacés de la Suisse. Partie I. *Abh. schweiz. paläont. Gesell.* 1895, xxii., Monogr. ii. 1. 1896.
- KOCH, ANTAL. Josef von Szabó. *Földt. Közl.* xxv. 273, 321. 1895.
- KOCH, M. Cypridenschiefer im Devongebiet von Elbingerode und Hüttenrode. [Maps, $\frac{1}{10,000}$ & $\frac{1}{12,500}$.] *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv., *Abh. Mitarb.* 199. 1895.
- 2. Zusammensetzung und Lagerungsverhältnisse der Schichten zwischen Bruchberg-Acker und dem Oberharzer Diabaszug. *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv., *Abh. Mitarb.* 185. 1895.
- KOCHIBE, T., S. ŌTSUKA, T. SUZUKI, M. YAMAGAMI, & D. YAMASHITA. Geological Survey of Japan. Maps, scale $\frac{1}{200,000}$
- Zone 4. Col. iii. Kumoto, by D. YAMASHITA. 1895.
- 5. Col. iv. Oita, by M. YAMAGAMI. 1896.
- 7. Col. vii. Tokushima, by T. SUZUKI. 1895.
- 8. Col. vi. Okayama, by S. ŌTSUKA. 1896.
- 9. Col. vii. Ikuno, by T. KOCHIBE. 1894.
- 10. Col. vii. Toyooka, by T. KOCHIBE. 1894.
- 11. Col. 8. Oki, by M. YAMAGAMI.
- 17. Col. xii. Tobishima, by D. YAMASHITA. 1896.
- KOCK, H. DE. De Uitbarsting van den Vulkan 'Galoenggoeng.' *Jaarb. Mijnuw. Ned. O.-Ind.* 1895, xxiv. 75. 1896.
- KOENEN, A. VON. Mittheilung über Aufnahmen auf den Blättern Jühnde, Frieden und Alfeld. *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv. p. xxxii. 1895.
- 2. Ueber die Entwicklung von *Dadocrinus gracilis* v. Buch, und *Holocrinus Wagneri* Ben., und ihre Verwandtschaft mit anderen Crinoiden. *Nachr. k. Gesell. Wiss. Göttingen*, 1895, *Math.-phys. Kl.* Heft. 3. (1.) 1895. A.C.
- 3. Ueber Pendel-Messungen bei Frieden und Alfeld. *Nachr. k. Gesell. Wiss. Göttingen*, 1896, *Math.-phys. Kl.* Heft. 1. (1.) 1896. A.C.
- KOENIG, ANTON. Die exotischen Gesteine vom Waschberg bei Stockerau. *Min. petr. Mitth.* n. F. xv. 466. 1896.
- KOENING, E. See RADDE, G.
- KOKEN, ERNST. Die Gastropoden der Trias um Hallstatt. *Jahrb. k.-k. geol. Reichsanst.* 1896, 37. 1896.
- *— 2. Die Leitfossilien. 8vo. Leipzig, 1896.
- *— 3. Die Reptilien des norddeutschen Wealden. *Paläont. Abh. Jena*, n. F. iii. 119. 1896.
- KORN, JOHANNES. Ueber diluviale Geschiebe der Königsberger Tiefbohrungen. *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv., *Abh. ausserhalb*, 1. 1895.
- KOSSMAT, FRANZ. Vorläufige Bemerkungen über die Geologie des Nanosgebietes. *Verh. k.-k. geol. Reichsanst.* 1896, 149. 1896.

- KRAATZ-KOSCHLAU, K. VON. Beitrag zur Bildung der Goldlagerstätten. *Zeitschr. f. prakt. Geol.* 1896, 185. 1896.
- 2. Note on the Formation of Gold Ore. *Am. Geol.* xviii, 100. 1896.
- , & V. HACKMAN. Der Eläolithsyenit der Serra de Monchique, seine Gang- und Contact-Gesteine. *Min. petr. Mitth.* n. F. xvi, 197. 1896.
- *KRAHMER, D. Die Expedition der kaiserl.-russischen geographischen Gesellschaft in Mittelasien. *Peterm. Mitth.* xlii, 33. 1896.
- KRAMBERGER, GORJANOVIĆ. Ueber das Vorkommen der *Pereiraia Gervaisii*, Véz., sp., in Croatien. *Verh. k.-k. geol. Reichsanst.* 1896, 142. 1896.
- 2. Die Fauna des Muschelkalkes der Kuna gora bei Pregrada in Kroatien. *Verh. k.-k. geol. Reichsanst.* 1896, 201. 1896.
- KRAŠAN, FRANZ. Die Pliocän-Buche der Auvergne. *Denkschr. k. Akad. Wissen. Wien*, lxi, 45. 1894.
- KRASNOW, — VON. The Island of Sakhalin. *Geogr. Journ.* vii, 422. 1896.
- KRASNER, F. Vergleichend-anatomische Untersuchungen fossiler Hölzer. II, Fossile Hölzer aus dem Wiener Flysch. *Verh. k.-k. zool.-bot. Gesell. Wien*, xlv, 421. 1895.
- KRAUS, F. Les Eaux souterraines et les Travaux hydrologiques officiels de la Bosnie-Herzégovine. *Spelunca*, ii, 27. 1896.
- 2. Les Recherches de M. Mercer dans les Cavernes du Yucatán. *Spelunca*, ii, 98. 1896.
- KRAUSE, GUSTAF. Das geologische Alter des Backsteinkalkes auf Grund seiner Trilobitenfauna. *Jahrb. k.-preuss. geol. Landesanst.* xv, *Abh. ausserhalb*, 100. 1895.
- 2. Ueber einige Sedimentärgeschiebe aus Holland. *Zeitschr. deutsch. geol. Gesell.* xlviii, 363. 1896.
- KRAUSE, PAUL GUSTAF. Ueber Lias von Borneo. *Jaarb. Mijnw. Ned. O.-Ind.* 1896, xxv, 28. 1896.
- *— 2. —. *Samml. geol. Reichs.-Mus. Leiden*, no. 21 b & 22, p. 154. 1896.
- KRICHTAFOVITCH, N. Annuaire géologique et minéralogique de la Russie, i, livr. 1. 4to. Warsaw, 1896.
- KROTOV, P. Allgemeine geologische Karte vom europäischen Russland, Blatt 89. Geographischer Theil. Oro-hydrographische Skizze des westlichen Theiles des Regierungsbezirks Wjatka, im Bereiche von Blatt 89. [Orographical map, 10 versts to 1 inch.] *Mém. Com. géol. Russie*, xiii, no. 2, 1. 1894.
- 2. Une Excursion géologique dans les Districts de Malmige, Sarapule et Elabouga en 1895. *Bull. Com. géol. Russie*, 1896, xv, 97. 1896.
- KRUJIT, A. C. See WICHMANN, H.
- KRUSCH, P. Beitrag zur Kenntniss der Basalte zwischen der Lausitzer Neisse und dem Queiss. [Map $\frac{1}{100,000}$] *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv, 279. 1895.
- 2. Das Kongsberger Erzrevier. [Norway.] [Map $\frac{1}{60,000}$] *Zeitschr. f. prakt. Geol.* 1896, 93. 1896.
- KÜMMEL, HENRY B. Note on the Glaciation of Pocono Knob and Mounts Ararat and Sugar Loaf, Pennsylvania. *Am. Journ. Sci.* ser. 4, i, 113. 1896.
- KUNTZ, JULIUS. [The Extension of the Main Reef, westward of the Farm Witpoortje.] *Trans. Geol. Soc. S. Africa*, ii, 31. 1896.
- 2. The Rand Conglomerates; How They were Formed. *Trans. Geol. Soc. S. Africa*, i, 113. 1896.
- 3. Ueber die Goldvorkommen im Lydenburger District. *Zeitschr. f. prakt. Geol.* 1896, 433. 1896.
- KUNZ, GEORGE F. On Phosphorescent Diamonds. *Trans. N.Y. Acad. Sci.* xiv, 260. 1895.
- 2. Precious Stones. *Ann. Rep. U.S. Geol. Surv.* xvi, 1894-95, pt. iv, 595. 1895.
- KURTZ, F. Recent Discoveries of Fossil Plants in Argentina. *Geol. Mag.* dec. 4, iii, 446. 1896.
- LACROIX, A. Étude minéralogique de la Lherzolite des Pyrénées et de ses Phénomènes de Contact. *Nouv. Arch. Mus. Hist. nat. Paris*, ser. 3, vi, 209. 1894.
- 2. Feuilles de Foix, Quillan et Prades. *Bull. Serv. Carte géol. France*, viii, (no. 53) 131. 1896.
- 3. Les Tufs volcaniques de Ségalas (Ariège). Conclusions à tirer de leur Étude au sujet de l'Origine des Ophites. *C. R. Acad. Sci. Paris*, cxxii, 146. 1896.
- *— 4. Minéralogie de la France et de ses Colonies. Description physique et chimique des Minéraux. Étude des Conditions géologiques de leurs Gisements. i, 2^e partie. [Silicates et Titanates.] 8vo. Paris, 1895.

- *LACROIX, A. 5. Minéralogie de la France et de ses Colonies. Tome ii. 1^{ère} partie. 8vo. Paris, 1896.
- 6. Sur la Découverte d'un Gisement d'Empreintes végétales dans les Cendres volcaniques anciennes de l'Île de Phira (Santorin). *C. R. Acad. Sci. Paris*, cxxiii. 656. 1896.
- 7. Sur la Formation actuelle de Zéolites sous l'Influence du Ruissellement superficiel. *C. R. Acad. Sci. Paris*, cxxiii. 761. 1896.
- 8. Les Minéraux néogènes des Scories plombeuses athéniennes du Laurium (Grèce). *C. R. Acad. Sci. Paris*, cxxiii. 955. 1896.
- 9. Les Transformations endomorphiques du Magma granitique de la Haute-Ariège, au contact des Calcaires. *C. R. Acad. Sci. Paris*, cxxiii. 1021. 1896.
- 10. Sur la Structure et les Propriétés optiques de divers Silicates compacts ou terreux. *Bull. Soc. franç. Min.* xviii. 426. 1896.
- 11. Sur la Formation secondaire d'Amphiboles orthorhombiques dans deux remarquables Gisements du Plateau central. *Bull. Soc. franç. Min.* xix. 67. 1896.
- 12. Sur les Minéraux rares du Glacier de la Meije (Hautes-Alpes). *C. R. Acad. Sci. Paris*, cxxii. 1429. 1896.
- *— 13. The Volcanic Tuffs of Ségalas (Ariège). Conclusions to be Drawn from their Study on the Subject of the Origin of the Ophites. *Am. Geol.* xvii. 362. 1896.
- 14. Sur la Structure cristalline et les Propriétés optiques de la Magnésite (Écume de Mer). *Bull. Mus. Hist. nat. Paris*, 1896, 73. 1896.
- , & — SOL. Sur les Cristaux de Topaze du Royaume de Pérah. *C. R. Acad. Sci. Paris*, cxxiii. 135. 1896.
- LAHAYE, CH. Le Forage artésien de l'Hôtel des Chemins de Fer, à Bruxelles. *Bull. Soc. belge géol. Brux.* viii. *Proc. verb.* 252. 1896. [See RUTOR, A.]
- LAKE, PHILIP. The British Silurian Species of *Acidaspis*. *Q. J. G. S.* lii. 235. 1896.
- *— 2. The Geology of Egypt. *Sci. Progr.* iv. 395. 1896.
- 3. The Limbs of Trilobites. *Knowledge*, xix. 68. 1896.
- *— 4. The work of the Portuguese Geological Survey. *Sci. Progr.* v. 439. 1896.
- , & S. H. REYNOLDS. The Lingula-Flags and Igneous Rocks of the Neighbourhood of Dolgelly. [Map, $\frac{1}{251,120}$] *Q. J. G. S.* lii. 511. 1896.
- LAKES, ARTHUR. The Pennsylvania Coal Regions. *Coll. Guard.* lxxii. 553. 1896.
- LALANDE, PHILIBERT. La Caverne du Rajol (Dordogne). *Spelunca*, i. 57. 1895.
- 2. La Grotte de Saint-Robert (Corrèze). *Spelunca*, ii. 86. 1896.
- LAMBE, LAWRENCE M. Description of a supposed new Genus of Polyzoa from the Trenton Limestone. *Canadian Rec. Sci.* vii. 1. 1896.
- LAMBERT, J. Note sur quelques Echinides crétacés de Madagascar. *Bull. Soc. géol. France*, ser. 3, xxiv. 313. 1896.
- LAMPLUGH, G. W. Notes on the White Chalk of Yorkshire. *Proc. Yorks. Geol. Soc.* 1895, n. s. xiii. 65. 1896.
- 2. On the Speeton Series in Yorkshire and Lincolnshire. [Map, scale 1 inch = about 18 miles.] *Q. J. G. S.* lii. 179. 1896.
- LANG, V. v. Notiz zur Trigonal-Symmetrie. *Zeitschr. f. Kryst.* xxvii. 91. 1896.
- LAPIERRE, —. The Carboniferous Formations of the Transvaal. *Coll. Guard.* lxxii. 410. 1896.
- LAPPARENT, A. DE. Leçons de Géographie physique. 8vo. Paris, 1896.
- 2. Note sur la Formation des Terrains houillers. *Bull. Soc. géol. France*, ser. 3, xxiv. 150. 1896.
- . See DEPÉRET, C.; see KILIAN, W.; see MUNIER-CHALMAS, —.
- LASPEYRES, H., & E. KAYSER. Mittheilungen aus dem mineralogischen Museum der Universität Bonn. VII. *Zeitschr. f. Kryst.* xxvii. 41. 1896.
- LATASTE, FERNAND. Les Cornes des Mammifères dans leur Axe osseux aussi bien que dans leur Revêtement corné sont des Productions cutanées. *Congr. cient. jeneral Chileno*, 1894, 68. 1895.
- LATRILLE, FRANCISCO. De los Minerales de Yarrigoya i Jauja. *Bol. Soc. Nac. Minería, Santiago*, ser. 2, viii. 55, 70, 81. 1896.
- LAUBE, GUSTAV C. Vorläufiger Bericht über Schildkrötenreste aus der böhmischen Braunkohlen-Formation. *Verh. k.-k. geol. Reichsanst.* 1895, 391. 1895.
- *— 2. Zinnober von Schönbach bei Eger. *Min. petr. Mitth.* n. F. xvi. 96. 1896.
- . See FRIČ, A.

- LAUNAY, L. DE. Etudes sur le Plateau central. II. Le Massif de Saint-Saulge et ses Relations avec le Terrain houiller de Decize (Nièvre). [Map of St.-Saulge and La Machine, $\frac{1}{320,000}$, and Map of Permian and Triassic Coalfields in the North of the 'Plateau central' (Autun, La Machine, Nevers, Moulins, Charolles, Montluçon).] *Bull. Serv. Carte géol. France*, vii. no. 46, l. 1895.
- 2. Feuilles de Gannat et d'Aubusson. *Bull. Serv. Carte géol. France*, viii. (no. 53) 83. 1896.
- 3. Geological Description of the Gold Mines of the Transvaal (Witwatersrand, Heidelberg, and Klerksdorp Districts). [Maps, Pretoria, $\frac{1}{580,000}$; Johannesburg, 1 inch=5000 feet.] *Trans. Fed. Inst. M. E.* xi. 378. 1896.
- *— 4. Les Mines d'Or du Transvaal. [Maps, S. Africa, $\frac{1}{10,000,000}$; Mashonaland, $\frac{1}{2,991,030}$; Witwatersrand, $\frac{1}{660,000}$ and $\frac{1}{30,000}$.] 8vo. Paris, 1896.
- 5. L'Industrie minière en Serbie, Bosnie, Herzégovine. [Map.] *Ann. Mines, Paris*, ser. 9, ix. *Bull.* 641. 1896.
- 6. Les Mines d'Or du Transvaal: Districts du Witwatersrand, d'Heidelberg et de Klerksdorp. [Maps.] *Ann. Mines, Paris*, ser. 9, ix. 5. 1896.
- 7. Sur les Caractères géologiques des Conglomérats aurifères du Witwatersrand (Transvaal). *C. R. Acad. Sci. Paris*, cxxii. 260. 1896.
- 8. Sur le Mode de Formation des Minerais aurifères du Witwatersrand (Transvaal). *C. R. Acad. Sci. Paris*, cxxii. 343. 1896.
- See MICHEL-LÉVY, A., &c.
- LAUR, FRANCIS. A New Spanish Coal-Basin. [Cistierna (Léon).] *Coll. Guard.* lxxi. 416, 463. 1896.
- LAVILLE, A. Le Gisement pléistocène à Corbicules de Cergy [près de Pontoise]. *Bull. Soc. géol. France*, sér. 3, xxiii. 504. 1895.
- LAWSON, ANDREW C. Sketch of the Geology of the San Francisco Peninsula. [Map, $\frac{1}{113,000}$.] *Ann. Rep. U.S. Geol. Surv.* 1893-94, xv. 405. 1895.
- 2. On Maliguite—a Family of Basic Plutonic Orthoclase Rocks rich in Alkalies and Lime. *Bull. Geol. Univ. Cal.* i. 337. 1896.
- LE CONTE, JOSEPH. Memoir of James D. Dana. *Bull. Geol. Soc. Am.* vii. 461. 1896.
- LEACH, EDWARD F. See THOMPSON, B.
- *LEACH, J. C. Report of the State Natural Gas Supervisor. With Appendix by ELWOOD HAYNES. [Map, Natural Gas-Field, Indiana, scale 1 inch=7 miles.] *Ann. Rep. Depart. Geol. Indiana*, xx. 1895, 369. 1896.
- LEBEDEV, N. Recherches géologiques dans le Vallon Kalmiusso-Toretzk au Bassin houiller du Donetz. *Bull. Com. géol. Russie*, 1895, xiv. 279. 1896.
- LEBESCONTE, PAUL. See MICHEL-LÉVY, A., &c.
- LEBOUR, G. A. See BARROW, G.
- LECKIE, R. G. E. The Grand Lake Coalfield of New Brunswick. *Coll. Guard.* lxxii. 744. 1896.
- LECORNU, L. See MICHEL-LÉVY, A., &c.
- LEGGE, W. V. Note on Timber found beneath Alluvial Drift at Swansea [Tasmania]. *Papers & Proc. Roy. Soc. Tasmania*, 1894-95, 68. 1896.
- LEHMANN, EDUARD. Flora von Polnisch-Livland, mit besonderer Berücksichtigung der Florengiete Nordwestrusslands, des Ostbalticums, der Gouvernements Pskow und St. Petersburg, sowie der Verbreitung der Pflanzen durch Eisenbahnen. [Die geologischen Verhältnisse Polnisch-Livlands.] *Arch. Naturk. Liv-, Ehst- u. Kurlands*, ser. 2, xi. 1. 1895.
- LEIDY, JOSEPH. Fossil Vertebrates from the Alachua Clays of Florida. Edited by FREDERIC A. LUCAS. *Wagner Free Inst. Philad.* iv. 1. 1896.
- LEIGH, W. S. Progress Report of the Superintendent of Caves, for the year 1895. *Ann. Rep. Depart. Mines, N.S.W.* 1895, 187. 1896.
- LEIGHTON, THOMAS. Excursion to Dorking and Leith Hill. *Proc. Geol. Assoc.* xiv. 331. 1896.
- See HUDLESTON, W. H., &c.
- LEISS, C. Ueber neuere Instrumente und Vorrichtungen für petrographische und krystallographische Untersuchungen. *N. J. f. Min.* x. Beilage-Band, 413. 1896.
- LEMETAYER, P. Sobre Aguas de Pozo de Santiago i sus Alrededores. *Actes Soc. sci. Chili*, v. 96. 1895.
- 2. —. *Congr. cient. jeneral Chileno*, 1894, 119. 1895.
- LEMOINE, V. De l'Application des Rayons de Röntgen à la Paléontologie. *C. R. Acad. Sci. Paris*, cxxiii. 764. 1896.
- 2. Étude sur les Couches de l'Éocène inférieur rémois qui contiennent la Faune cernaysienne et sur deux Types nouveaux de cette Faune. *Bull. Soc. géol. France*, ser. 3, xxiv. 333. 1896.

- LEONHARD, R. See VOLZ, W.
- LEPPLA, A. Ueber Schuttbildungen im Bereich des Taunusquartzites innerhalb der Blätter Morscheid, Oberstein und Buhlenberg. *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv. p. xxxviii. 1895.
- *LEPSIUS, RICHARD. Geologische Karte des deutschen Reichs. $\frac{1}{500,000}$. Lief. vii. Blatt 13, Hanover; Blatt 14, Berlin. Gotha, 1896.
- * — 2. —. Lief. viii. Blatt 6, Emden; Blatt 7, Hamburg. Gotha, 1896.
- LESLEY, J. P., E. V. D'INVILLIERS, & A. D. W. SMITH. A Summary Description of the Geology of Pennsylvania [Maps]. *Final Rep. Geol. Surv. Penn.* iii. pt. 1. Carboniferous Formation, 1629. 1895.
- 2. —. —. iii. pt. 2. Bituminous Coalfields by E. V. D'INVILLIERS, and The New Red of Bucks and Montgomery Counties by BENJAMIN SMITH LYMAN. 2153, 2589. 1895.
- 3. Atlas to Report F 3. Union, Snyder Mifflin, Juniata Counties. 1895.
- LEVI, GUSTAVO. Sui Fossili degli Strati a *Terebratula aspasia* di M. Calvi presso Campiglia. *Boll. Soc. geol. ital.* xv. 262. 1896.
- LEWIS, J. VOLNEY. Corundum of the Appalachian Crystalline Belt. *Trans. Am. Inst. M. E.* xxv. 852. 1896.
- LEWIS, W. J. On the Humite Series. *Min. Mag.* xi. 137. 1896.
- LEYDIG, F. Kopolithen und Urolithen. *N. J. f. Min.* 1896, ii. 139. 1896.
- *LIEBISCH, THEODOR. Grundriss der physikalischen Krystallographie. 8vo. Leipzig, 1896.
- LIENENKLAUS, E. Die Ostracoden aus dem Miocän von Ortenburg in Niederbayern (Collekction Eggers). *Sitz. k.-bayr. Akad.* 1896, 183. 1896.
- See KISSLING, E.
- LIGNIER, OCTAVE. Végétaux fossiles de Normandie. II. Contributions à la Flore liasique de Sainte-Honorine-la-Guillaume (Orne). *Mém. Soc. Linn. Norm.* xviii. 121, 1895.
- LIMA, WENCESLAU DE. Estudo sobre o Carbonico do Alemtejo. [Plants: Map $\frac{1}{50,000}$]. *Comm. Dir. Trab. geol. Portugal*, iii. 34. 1896.
- 2. Notice sur une Algue paléozoïque. [*Helviensia Delgadoi*]. *Comm. Dir. Trab. geol. Portugal*, iii. 92. 1896.
- LINCK, G. Die Beziehungen zwischen den geometrischen Constanten eines Krystalls und dem Molekulargewicht seiner Substanz. *Zeitschr. f. Kryst.* xxiv. 280. 1896.
- LINDSTRÖM, G. On Remains of a *Cyathaspis* from the Silurian Strata of Gotland. *Bihang k. svenska Vet.-Akad. Handl.* xxi. no. 1, 1. 1895. And A.C.
- 2. On the '*Corallia baltica*' of Linnæus. *Öfvers. k. Vet.-Akad. Förh.* 1895, no. 9, 615. 1895. And A.C.
- 3. Beschreibung einiger obersilurischer Korallen aus der Insel Gotland. *Bihang k. svenska Vet.-Akad. Handl.* xxi. no. 7, 1. 1896. And A.C.
- LINDVALL, C. A. The Glacial Period: Essay on its Origin, Effects, and End; as also the possibility of its recurrence. 8vo. Stockholm, 1891.
- LINTON, LAURA, A. See PECKHAM, S. F.
- LISTA, RAMÓN. Viaje a los Andes australes. *An. Soc. cient. Argent.* xli. 5, 108. 1896.
- LISTER, GULIELMA. See FOX, H., &c.
- LITTLEDALE, ST. GEORGE R. A Journey across Tibet, from North to South, and West to Ladak. [Maps]. *Geogr. Journ.* vii. 453. 1896.
- LITTLEHALES, G. W. The Form of Isolated Submarine Peaks. *Am. Journ. Sci.* ser. 4, i. 15. 1896.
- LIVERSIDGE, A. Abbreviated Names of certain Crystal Forms. *Rep. Austral. Assoc. Adv. Sci.* 1895, vi. 320. 1896.
- 2. Contributions to the Bibliography of Gold. *Rep. Austral. Assoc. Adv. Sci.* 1895, vi. 240. 1896.
- 3. —. *Journ. & Proc. Roy. Soc. N.S.W.* xxix. 316. 1896.
- 4. On some New South Wales and other Minerals. *Chem. News*, lxxiv. 113. 1896.
- 5. On the Amount of Gold and Silver in Sea-water. *Journ. & Proc. Roy. Soc. N.S.W.* xxix. 335. 1896.
- 6. —. *Chem. News*, lxxiv. 149, 160, 166. 1896.
- 7. Models to show the Axes of Crystals. *Rep. Austral. Assoc. Adv. Sci.* 1895, vi. 321. 1896.
- LOBLEY, J. LOGAN. The Transvaal; its Mineral Resources. *Knowledge*, xix. 49. 1896.
- 2. Volcanic Phenomena. *Journ. City of London Coll. Sci. Soc.* iv. 1. 1896.

- LODIN, A. Sur le Mode de Formation des Conglomérats aurifères. *C. R. Acad. Sci. Paris*, cxiii. 637. 1896.
- LOEWINSON-LESSING, F. Ueber Pyrophyllit von Pyschminsk (Beresowsk) am Ural. *Verh. russ.-k. min. Gesell.* ser. 2, xxxiii. 283. 1895.
- See INOSTRANZEV, A.
- LOHEST, MAX. Vestiges de Terrain houiller à Dinant. *Ann. Soc. géol. Belg. Liège*, xxiii. p. lxxxiv. 1896.
- 2. Plissements intimes du Coticule. *Ann. Soc. géol. Belg. Liège*, xxiii. p. lxxxiv. 1896.
- 3. Sur les Recherches d'Or en Ardenne. *Ann. Soc. géol. Belg. Liège*, xxiii. p. lxxxv. 1896.
- 4. Des Dépôts tertiaires de l'Ardenne et du Condroz. *Ann. Soc. géol. Belg. Liège*, xxiii. 37. 1896.
- 5. De la Présence du Calcaire à Paléchinides dans le Carbonifère du Nord de la France. *Ann. Soc. géol. Belg. Liège*, xxiii. 107. 1896.
- , & H. FORIE. Les Schistes d'Avesnelles, les Schistes à *Spiriferina octoplicata* et les Calcschistes de Tournai. *Ann. Soc. géol. Belg.* xxii. 73. 1895. A.C.
- , —. Exposé des Motifs du Projet de Légende du Calcaire carbonifère. *Ann. Soc. géol. Belg. Liège*, xxiii. 118. 1896.
- See FORIE, H.
- *LOMAS, JOSEPH. On the Occurrence of Striated Surfaces near Great and Little Storeton [Cheshire]. *Glac. Mag.* ii. 162. 1895.
- *— 2. On the Glacial Striae about Liverpool. *Glac. Mag.* iii. 15. 1895.
- *— 3. Observations on recent glacial Striae in Switzerland. *Proc. Liverp. Geol. Soc.* vii. 383. 1896.
- See GROSSMANN, K.
- See KENDALL, P. F.
- LONSDALE, E. H. Geology of Montgomery County (Iowa). *Iowa Geol. Surv.* iv. 381. 1895.
- LÖRENTHEY, IMRE. Einige Bemerkungen über *Papyrotheca*. *Földt. Közl.* xxv. 349, 387. 1895.
- LORENZO, GIUSEPPE DE. Bemerkungen über die Trias des südlichen Italiens und Siciliens. *Verh. k.-k. geol. Reichsanst.* 1895, 483. 1895.
- 2. Noch ein Wort über die Trias des südlichen Italiens und Siciliens. *Verh. k.-k. geol. Reichsanst.* 1896, 275. 1896.
- 3. Sulla probabile Esistenza di un antico Circo glaciale nel Gruppo del Monte Vulturino in Basilicata. *Boll. Soc. geol. ital.* xiv. 169. 1896.
- See BÖSE, E.
- LORETZ, H. Uebersicht der Schichtenfolge im Keuper bei Coburg. *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv., *Abh. Mitarb.* 139. 1895.
- LORIE, J. Contributions à la Géologie des Pays-Bas.—VII. Les Métamorphoses de l'Escaut et de la Meuse. *Bull. Soc. belge Géol. Brux.* ix. *Mém.* 50. 1896.
- *LORIOU, P. DE. Étude sur les Mollusques du Rauracien supérieur du Jura Bernois. 1^{er} Supplément. *Abh. schweiz. paläont. Gesell.* 1895, xxii., Monogr. no. iv. 1. 1896. And A.C.
- 2. Étude sur quelques Échinodermes de Cirin (Ain). *Arch. Mus. Hist. nat. Lyon*, vi. *Mém.* no. iv. 1. 1895. And A.C.
- 3. Description des Échinodermes tertiaires du Portugal. Accompagnée d'un Tableau stratigraphique par J. C. Berkeley Cotter. *Dir. Trav. géol. Portugal, Mém.* 4to. 1896.
- 4. Note sur quelques Brachiopodes crétacés recueillis par M. Ernest Favre dans la Chaîne centrale du Caucase et dans le Néocomien de la Crimée. *Rev. suisse de Zool.* iv. 135. 1896. A.C.
- LORY, PIERRE. Feuilles de Die, Gap et Vizille. *Bull. Serv. Carte géol. France*, viii. (no. 53), 177. 1896.
- 2. Note sur les Chaînes subalpines. *Bull. Soc. géol. France*, ser. 3, xxiv. 236. 1896.
- 3. Observations sur la Division des Alpes occidentales en Zones et sur certains Points de la Tectonique des Zones externes. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. ccv. 1895.
- 4. Sur la Tectonique du Dévoluy et des Régions voisines à l'Époque crétacée. [Map, $\frac{1}{220,000}$.] *C. R. Acad. Sci. Paris*, cxiii. 383. 1896.
- 5. Sur les Couches nummulites du Dévoluy et des Régions voisines. *Bull. Soc. géol. France*, ser. 3, xxiv. 42. 1896.
- See HAUG, E.; see TERMIER, P.

- LOTTI, B. Sulle Condizioni geologiche della Sorgente termale di Vignoni in Provincia di Siena. *Boll. R. Com. geol. ital.* xxvi. 219. 1895.
- 2. Cenni sul Rilevamento geologico eseguito in Toscana durante l'anno 1894. *Boll. R. Com. ital.* xxvi. 313. 1895.
- 3. Strati eocenici fossiliferi presso Barigazzo nell' Apennino Modenese. [Map of Barigazzo District, scale $\frac{1}{25,000}$.] *Boll. R. Com. geol. Ital.* xxvi. 429. 1895.
- *— 4. Inclusioni liquide nel Gesso di Sicilia. *Riv. Min. e Crist. ital. Padova*, xv. 62. 1896.
- 5. Thermalquelle zu Vignoni bei S. Quirico d'Orcia, Prov. Siena. *Zeitschr. f. prakt. Geol.* 1895, 497. 1895.
- LOUIS, HENRY. See PHILLIPS, J. A.
- LOUTOUGUINE, L. Recherches géologiques dans le Nord du Bassin houiller du Donetz en 1894. *Bull. Com. géol. Russie*, 1895, xiv. 299. 1896.
- 2. Coupe géologique près du Village Krymskoë (Gouv. Ekaterinoslav). *Bull. Com. géol. Russie*, 1896, xv. 123. 1896.
- LOVISATO, DOMENICO. Il Granato a Caprera ed in Sardegna. *Atti R. Acc. Lincei*, ser. 5, *Rendic.* 1896, sem. 1, v. 56. 1896.
- 2. Nuovi Lembi mesozoici in Sardegna. *Atti R. Acc. Lincei*, 1896, ser. 5, *Rendic.* v. sem. 1, 429. 1896.
- 3. Notizia sopra la Ittiofauna sarda. *Atti R. Acc. Lincei*, ser. 5, *Rendic.* v. sem. 2, 75. 1896.
- LOW, ALBERT. The Recent Exploration of the Labrador Peninsula. *Canad. Rec. Sci.* vi. 135. 1894.
- LÖWL, FERDINAND. Der Granatspitz-Kern. [Map, $\frac{1}{75,000}$.] *Jahrb. k.-k. geol. Reichsanst.* 1895, 615. 1896.
- LUBBOCK, SIR JOHN. The Scenery of Switzerland and the Causes to which it is Due. 2nd edition. 8vo. London, 1896.
- LUCAS, FREDERIC A. The Weapons and Wings of Birds. [*Iguanodon*.] *Ann. Rep. Smiths. Inst. Rep. U.S. Nat. Mus.* 1893, 655. 1895.
- See LEIDY, J.
- *LUDWIG, E. Chemische Untersuchung des Säuerlings in Seifersdorf (Oesterr.-Schlesien). *Min. petr. Mitth.* n. F. xvi. 133. 1896.
- *LUEDECKE, OTTO. Die Minerale des Harzes. Text & Atlas. [Map, $\frac{1}{47,250}$.] 8vo. Berlin, 1896.
- LUEDERS, HERMAN FREDERICK. The Vegetation of the town Prairie du Sac. [Map.] *Trans. Wisconsin Acad. Sci.* x. 510. 1895.
- LUGEON, MAURICE. La Région de la Brèche du Chablais (Haute-Savoie). *Bull. Serv. Carte géol. France*, vii. no. 49, 1. 1896.
- 2. Fenille d'Albertville (Les Baugés). *Bull. Serv. Carte géol. France*, viii (no. 53) 181. 1896.
- See DOUXAMI, H.
- *LUNDGREN, BERNHARD. Anmärkningar om några Jurafossil från Kap Stewart i Östgrönland. *Meddel. Grönland*, no. 19, 189. 1896.
- *LUQUEUR, LEA McI., & HEINRICH RIES. The 'Augen'-Gneiss Area, Pegmatite Veins and Diorite Dykes at Bedford (N.Y.). *Am. Geol.* xviii. 239. 1896.
- LUTHER, D. D. Report on the Geology of the Livonia Salt Shaft. *Ann. Rep. State Geologist, New York*, 1893, xiii. vol. i. 21. 1894.
- LYDEKKER, R. A Reputed Malagasy Monkey. *Nature*, lv. 89. 1896.
- 2. On the Affinities of the so-called Extinct Great Dormouse of Malta. *Proc. Zool. Soc. London*, 1895, 860. 1896.
- *—, &c. The Royal Natural History. Vol. 1. Mammals. 8vo. London, 1893-94.
- *—, —. Vol. 2. Mammals. 1894.
- *—, —. Vol. 3. Mammals & Birds. 1894-95.
- *—, —. Vol. 4. Birds. 1895.
- *—, —. Vol. 5. Reptiles & Fishes. 1895-96.
- *—, —. Vol. 6 to Part 36. Insects, Mollusca, &c. 1896.
- LYELL, SIR CHARLES. See JUDD, J. W.
- LYMAN, BENJAMIN SMITH. The Yardley Fault. [Bucks Co. (Pa.).] [Map, $\frac{3}{4}$ inch = 1 mile.] *Proc. Am. Phil. Soc.* xxxiv. 381. 1896. And A.C.
- 2. The Chalfont Fault Rock, so-called. *Proc. Am. Phil. Soc.* xxxiv. 384. 1896. And A.C.
- 3. Folds and Faults in Pennsylvania Anthracite-Beds. *Trans. Am. Inst. M.E.* xxv. 327. 1896.
- See LESLEY, J. P.

- LYONS, A. B. Chemical Composition of Hawaiian Soils and of the Rocks from which they have been derived. *Am. Journ. Sci.* ser. 4, ii. 421. 1896.
- M^cCONNELL, R. G. Report on an Exploration of the Finlay and Omenica Rivers (B.C.). [Map, 1 inch = 8 miles]. *Ann. Rep. Geol. Surv. Canada*, n. s. vii. ci. 1896.
- See DAWSON, G. M.
- M^cDAKIN, —. The Dover Coalfield. *South Eastern Nat.* i. 149. 1896.
- MACFARLANE, GRAHAM. The Eastern Coal-Regions of Kentucky. *Trans. Am. Inst. M. E.* xxv. 518. 1896.
- 2. —. *Coll. Guard.* lxxi. 116. 1896.
- MACGILLIVRAY, P. H. A Monograph of the Tertiary Polyzoa of Victoria. *Trans. R. Soc. Victoria*, iv. 1. 1895.
- M^cHENRY, A. See SOLLAS, W. J.
- M^cKAY, ALEXANDER. Report on the South-west part of Nelson and Northern part of the Westland District (Middle Island). *Papers & Rep. Min. & Mining, N. Z.* 1895 (C. 13), 1. 1895. [Map, scale 5 miles to 1 inch.]
- 2. Geology; General Report and Reports of Special Examinations made during the year 1895-96. [Map, Aoreere Valley, 1 inch = 2 miles; Wilson River, 1 inch = 5 miles; Tiraumea River, 1 inch = 1 mile.] *Papers & Rep. Min. & Mining, N. Z.* 1896 (C. 11) 1. 1896.
- See GORDON, H. A.
- MACKAY, A. H. A Foraminiferous Deposit from Bottom of the North Atlantic. *Proc. & Trans. Nova Scotian Inst. Sci.* ix. 64. 1896.
- MACKENZIE, JOHN. Report of the Examiner of Coalfields for the Colony of New South Wales for the year 1895. *Ann. Rep. Depart. Mines, N.S.W.* 1895, 93. 1896.
- See HUTCHINSON, F., &c.
- M^cLACHLAN, D. C., &c. Annual Report of the Department of Mines, N.S.W., for the year 1895. *Ann. Rep. Depart. Mines, N.S.W.* 1895, 1. 1896.
- M^cMAHON, C. A. Notes on a Biotite-cyanite-cordierite Rock from the Upper Satlej Valley, N.W. Himalayas. *Min. Mag.* xi. 141. 1896.
- 2. Some Structural Characters of the Granite of the North-west Highlands. *Proc. Geol. Assoc.* xiv. 287. 1896.
- See HUDLESTON, W. H.
- MACNAIR, PETER. The Altered Clastic Rocks of the Southern Highlands, their Structure and Succession. *Geol. Mag.* dec. 4, iii. 167, 211. 1896.
- , & JAMES REID. On the Physical Conditions under which the Old Red Sandstone of Scotland was Deposited. *Geol. Mag.* dec. 4, iii. 106. 1896.
- 2. Palæontological Considerations on the Old Red Sandstone of Scotland. *Geol. Mag.* dec. 4, iii. 217. 1896.
- MADSEN, VÍCTOR. Jamte ett Tillagg om Foraminifererne i Lommelæret. *Sver. geol. Undersökn. Afh.* ser. C, no. 149, 13. 1895.
- MAIDWELL, FREDERICK T. On some Drift Deposits at Coventry. *Proc. Warwick. Field Club*, 1895, 47. 1896.
- MAISON, —. Feuilles de Beaune et de Châtillon-sur-Seine. *Bull. Serv. Carte géol. France*, viii. (no. 53) 26. 1896.
- MAITLAND, ANDREW GIBB. Report [on the Brookfield and Pikedale Goldfield, Ipswich and Central Railway Districts Coal] [Map, Ipswich District, 1 inch = $\frac{1}{2}$ mile.] *Ann. Progr. Rep. Geol. Surv. Queensland*, 1895, 18. 1896.
- 2. The Geological Structure of Extra-Australian Artesian Basins. *Proc. Roy. Soc. Queensland*, xii. (1). 1896. A.C.
- MALLADA, I. Explicacion del Mapa geológico de España. Tomo I. Rocas hipogénicas y Sistema Estrato-cristalino. *Mem. Com. Mapa geol. España*, 1895.
- MANSEL, OWEN L. See HUDLESTON, W. H.
- *MANSON, MARSDEN. The Cosmic Character of the Ice Age. *Glac. Mag.* ii. 90, 107. 1894.
- MARBUT, C. F. The Geographic Development of Crowley's Ridge. *Proc. Boston Soc. Nat. Hist.* xxvi. 479. 1895.
- See WOODWARD, J. B.
- MARCHI, LUIGI DE. Le Variazioni periodiche dei Ghiacciai. *Rendic. R. Ist. lomb. Sci.* ser. 2, xxviii. 1018. 1895.
- 2. The Temperature of Air and the Problem of an Ice Age. *Nature*, liii. 376. 1896.
- MARCOU, JULES. The Jura of Texas. *Proc. Boston Soc. Nat. Hist.* xvii. 149. 1896. A.C.
- MARINITSCH, JOSEPH. Le Gouffre des Merles (Kosova Jama), près Trieste (Autriche.) *Spelunca*, i. 31. 1895.

- MARINITSCH, JOSEPH. 2. La Kačna Jama [Grotte des Serpents], Istrie. *Spelunca*, ii. 80. 1896.
- MARLOTH, R. The Origin of the Nitrates in Griqualand West. *Trans. S. African Phil. Soc.* viii. 123. 1896.
- MARR, JOHN EDWARD. Additional Notes on the Tarns of Lakeland. *Q. J. G. S.* lii. 12. [Plan of Hard Tarn.] 1896.
- 2. British Association for the Advancement of Science. Address to the Geological Section. *Geol. Mag.* dec. 4, iii. 464. 1896.
- 3. —. *Nature*, liv. 494. 1896.
- 4. Life-zones in the British Carboniferous Rocks. Report of the Committee appointed to study the Life-zones in the British Carboniferous Rocks. *Geol. Mag.* dec. 4, iii. 519. 1896.
- 5. On the Lake Basins of Lakeland. *Proc. Geol. Assoc.* xiv. 273. 1896.
- *— 6. The Graptolites. *Sci. Progr.* v. 360. 1896.
- 7. The Waterways of English Lakeland. [Map, 1 inch = 4 miles.] *Geogr. Journ.* vii. 602. 1896.
- See ANON., 23; see GARWOOD, E. J.; see NICHOLSON, H. A.
- MARSH, O. C. Restorations of some European Dinosaurs, with Suggestions as to their Place among the Reptilia. *Rep. Brit. Assoc. Adv. Sci.* 1895, 685. 1895.
- 2. —. *Geol. Mag.* dec 4, iii. 1. 1896.
- 3. Classification of Dinosaurs. *Geol. Mag.* dec. 4, iii. 388. 1896.
- 4. The Age of the Wealden. *Am. Journ. Sci.* ser. 4, i. 234. 1896. And A.C.
- 5. On the *Pithecanthropus erectus* from the Tertiary of Java. *Am. Journ. Sci.* ser. 4, i. 475. 1896. And A.C.
- 6. A New Belodont Reptile (*Stegomus*) from the Connecticut River Sandstone. *Am. Journ. Sci.* ser. 4, ii. 59. 1896. And A.C.
- 7. The Geology of Block Island. *Am. Journ. Sci.* ser. 4, ii. 295, 375. 1896.
- 8. Amphibian Footprints from the Devonian. *Am. Journ. Sci.* ser. 4, ii. 374. 1896.
- 9. The Jurassic Formation of the Atlantic Coast. *Am. Journ. Sci.* ser. 4, ii. 433. 1896. And A.C.
- MARSHALL, J. W. D. British Jurassic Brachiopoda. *Proc. Bristol Nat. Soc.* n. s. viii. 17. 1896.
- MARTEL, E. A. Application géologique de la Spéléologie.—Origine et Rôle des Cavernes; leur Variations climatériques; leur Rapports avec les Filons. [Plans.] *Ann. Mines, Paris*, ser. 9, x. 5. 1896.
- 2. Explorations souterraines. *Bull. Soc. géol. France*, ser. 3, xxiv. 87. 1896.
- *— 3. Mitchelstown Cave. *Irish Naturalist*, v. 101. 1896.
- 4. Sur le Gouffre de Gaping-Ghyll (Angleterre). *C. R. Acad. Sci. Paris*, cxxii. 51. 1896.
- 5. Sur quelques Anomalies de la Température des Sources. *C. R. Acad. Sci. Paris*, cxxii. 97. 1896.
- 6. Sur des Observations d'Hiver dans les Cavernes des Causses (Padirac, &c.). *C. R. Acad. Sci. Paris*, cxxii. 903. 1896.
- 7. Sur les Siphons des Sources et des Rivières souterraines. *C. R. Acad. Sci. Paris*, cxxii. 1147. 1896.
- & A. DELEBECQUE. Sur les Scialets et l'Hydrologie souterraine du Vercors (Drôme). *C. R. Acad. Sci. Paris*, cxxiii. 847. 1896.
- MARTENS, PABLO. Un nuevo Mineral de Cobalto. [Schulzenite.] *Actes Soc. sci. Chili*, v. 87. 1895.
- MARTIN, EDWARD A. A Bibliography of Gilbert White, the Natural Historian and Antiquarian of Selborne. 8vo. London, 1896.
- *MARTIN, FR. Die Gabbrogesteine in der Umgebung von Ronsperg in Böhmen. *Min. petr. Mitth.* n. F. xvi. 105. 1896.
- MARTIN, J. S. See ATKINSON, J. B., &c.
- MARTIN, K. Neues über das Tertiär von Java und die mesozoischen Schichten von West-Borneo. *Jaarb. Mijnu. Ned. O.-Ind.* 1895, xxiv. 85. 1896.
- 2. Die Fossilien von Java auf Grund einer Sammlung von Dr. R. D. M. Verbeek. *Jaarb. Mijnu. Ned. O.-Ind.* 1896, xxv. 43. 1896.
- *— 3. Ueber tertiäre Fossilien von den Philippinen. *Samml. geol. Reichs-Mus. Leiden*, nos. 21 b & 22, p. 51. 1896.
- MARYANSKI, MODEST. Zur Untersuchung von Goldquarzgängen. *Zeitschr. f. prakt. Geol.* 1896, 189. 1896.
- MASÓ, P. MIGUEL SADERRA. See SADERRA MASÓ, P. MIGUEL.
- MASON, F. H. Gold-mining in Nova Scotia. *Trans. Fed. Inst. M. E.* x. 281. 1896. And A.C.

- *MATTEUCCI, R. V. Der Vesuv und sein letzter Ausbruch von 1891-1894. *Min. petr. Mitth.* n. F. xv. 325. 1895.
- 2. Le Rocce porfiriche dell' Isola d'Elba. *Atti Soc. tosc. Sci. nat.* xiv. Mem. 59. 1895.
- *MATTHEW, G. F. The *Protolenus* Fauna. *Trans. N.Y. Acad. Sci.* xiv. 101. 1895.
- 2. Two New Cambrian Graptolites, with Notes on other Species of Graptolites. *Trans. N.Y. Acad. Sci.* xiv. 262. 1895.
- 3. Notes on Cambrian Faunas; the Genus *Microdiscus*. *Am. Geol.* xviii. 28. 1896.
- 4. Traces of the Ordovician System on the Atlantic Coast. *Proc. & Trans. Roy. Soc. Canada*, ser. 2, i. sec. iv. 253. 1896.
- 5. Organic Remains of the Little River Group, No. IV. *Proc. & Trans. Roy. Soc. Canada*, ser. 2, i. sec. iv. 273. 1896.
- MATTHEW, W. D. The Volcanic Rocks of the Maritime Provinces of Canada. *Bull. Nat. Hist. Soc. New Brunswick*, xiii. 76. 1895.
- 2. The Effusive and Dyke Rocks near St. John (N.B.). *Trans. N.Y. Acad. Sci.* xiv. 187. 1895.
- MATTHEWS, WILLIAM. Southampton Corporation. Waterworks Department. Annual Report of the Waterworks Engineer for the year 1895. [Map, Otterbourne & Winchester. Scale $\frac{1}{63,360}$.] 8vo. Southampton, 1896.
- MATTIROLO, E. Note geologiche sulle Alpi lombarde, da Colico al Passo dello Spluga. *Boll. R. Com. geol. Ital.* xxvi. 51. 1895.
- MAUNSELL, F. R. Eastern Turkey-in-Asia and Armenia. *Scot. Geogr. Mag.* xii. 225. 1895.
- MAURER, FR. Paläontologische Studien im Gebiet des rheinischen Devons. 10. Nachträge zur Fauna und Stratigraphie der *Orthoceras*schiefer des Rupbachthales. *N. J. f. Min.* x. Beilage-Band, 613. 1896.
- MAYER, —. Ueber einige Miocänfunde bei Biberach. *Jahresh. Ver. Naturk. Württ.* lii. p. xcix. 1896.
- *MAYER-EYMAR, C. Descriptions de Coquilles fossiles des Terrains tertiaires inférieurs. *Journ. de Conch. Paris*, xliii. 40. 1895.
- *— 2. Descriptions de Coquilles fossiles des Terrains tertiaires supérieurs. *Journ. de Conch. Paris*, xliiii. 152. 1895.
- *— 3. Liste systématique des Natices des Faluns de la Touraine et de Pont-Levoy, du Musée de Zurich. *Journ. de Conch. Paris*, xliiii. 165. 1895.
- MAZAURIC, FELIX. Les Cavernes de la Boudène, au Mas Cabanis, Commune de Roquedur (Gard). *Speunca*, i. 87. 1895.
- 2. La Source intermittente du Pont Saint-Nicolas de Campagnac (Gard). *Speunca*, i. 134. 1896.
- MEAD, J. R. A Dying River [the Arkansas]. *Trans. Kansas Acad. Sci.* xiv. 111. 1896.
- MELCZER, G. Daten zur krystallographischen Kenntniss des Calcites vom Kleinen-Schwabenberge bei Budapest. *Földt. Közl.* xxvi. 10, 79. 1896.
- MELI, ROMOLO. Breve Relazione delle Escursioni geologiche eseguite alle Paludi Pontine, a Terracina ed al Circeo. 12mo. Rome, 1894. A.C.
- 2. Relazione sommaria delle Escursioni geologiche eseguite al Monte Soratte e nel Viterbese (Provincia di Roma). 12mo. Rome, 1895. A.C.
- 3. Paragone fra gli Strate sabbiosi a *Cyprina aequalis*, Bronn, del Monte Mario nei Dintorni di Roma e quelli di Ficarazzi, presso Palermo, racchiudenti la medesima Specie. *Boll. Soc. geol. ital.* xiii. 162. 1895. A.C.
- 4. Sopra due Esemplari di *Neptunea sinistrorsa*, Desh. (*Fusus*), pescati sulla Costa d'Algeri. *Boll. Soc. geol. ital.* xiii. 166. 1895. A.C.
- 5. Notizie sopra alcuni Fossili recentemente ritrovati nella Provincia di Roma. [Quaternary Mammals.] *Boll. Soc. geol. ital.* xiv. 91. 1895. A.C.
- 6. Sopra alcune rare Specie di Molluschi fossili estratti dal Giacimento classico del Monte Mario, presso Roma. *Boll. Soc. geol. ital.* xiv. 94. 1895. And A.C.
- 7. Ancora due Parole sull' Età geologica delle Sabbie classiche del Monte Mario, presso Roma. *Boll. Soc. geol. ital.* xiv. 128. 1896. And A.C.
- 8. Molluschi fossili estratti recentemente dal Giacimento classico del Monte Mario, presso Roma. *Boll. Soc. geol. ital.* xiv. 141. 1896. And A.C.
- 9. Notizie sui Resti di Mammiferi fossili rinvenuti recentemente in Località italiane. *Boll. Soc. geol. ital.* xiv. 143. 1896. And A.C.
- 10. Sopra alcune Rocce e Minerali raccolti nel Viterbese. *Boll. Soc. geol. ital.* xiv. 179. 1896. And A.C.
- 11. Ancora sugli Esemplari di *Neptunea sinistrorsa*, Desh. (*Fusus*), pescati sulla Costa d'Algeri. *Boll. Soc. geol. ital.* xiv. 306. 1895. A.C.

- MELI, ROMOLO. 12. Sulla Esistenza di Strati di Torba affioranti in Mare lungo la Spiaggia, di Foglino presso Nettuno (Provincia di Roma). *Boll. Soc. geol. ital.* xv. 15. 1896. And A.C.
- 13. Molluschi fossili recentemente estratti dal Giacimento classico del Monte Mario, presso Roma. *Boll. Soc. geol. ital.* xv. 74. 1896. And A.C.
- MELIKOV, P. Ueber einige vulkanische Sande und Auswürflinge von der Insel S. Antão (Cap Verden). *Mitth. nat. Ver. Steiermark*, 1895, 256. 1896.
- MELLIN, R., & L. HOFFMANN. Das Museum für praktische Geologie zu London. *Zeitschr. f. prakt. Geol.* 1896, 241. 1896.
- MEMMINGER, CHARLES GUSTAVUS. Commercial Development of the Tennessee Phosphates. [Analyses.] *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 631. 1895.
- MERCER, HENRY C. A preliminary Account of the Re-exploration in 1894 and 1895 of the 'Bone Hole,' now known as Irwin's Cave, at Port Kennedy, Montgomery County, Pennsylvania. *Proc. Acad. Nat. Sci. Philad.* 1895, 443, 446. 1896.
- 2. Jasper and Stalagmite quarried by Indians in the Wyandotte Cave. *Proc. Am. Phil. Soc.* xxvii. 396. 1896.
- MERCERAT, ALCIDE. Contributions à l'Étude systématique des Toxodontia (Haplodontotheriidae, Toxodontidae et Xotodontidae). *An. Mus. Nac. Buenos Aires*, iv. 257. 1895.
- MERCEY, N. DE. On the Existence of Rich Phosphate of Lime in the London Basin. *Geol. Mag.* dec. 4, iii. 342. 1896.
- 2. Nuevos Datos geológicos sobre la Patagonia austral, à propósito del Mapa del Sr. Carlos Siewert sobre la Parte sur del Territorio de Santa Cruz. *Bol. Inst. geogr. Argent.* xvii. 392. 1896.
- MERIVALE, J. H. British Association for the Advancement of Science, Ipswich, 1895. *Trans. N. Engl. Inst. M. E.* xlv. 91. 1895.
- MERRIAM, JOHN C. *Sigmogomphius Lecontei*: a new Castoroid Rodent from the Pliocene, near Berkeley (Cal.) *Bull. Geol. Univ. Cal.* i. 363. 1896.
- MERRILL, FREDERICK J. H. Mineral Resources of New York State. [Geological Map of N. Y. S., scale 14 miles = 1 inch, and of S.E. New York, scale 5 miles = 1 inch.] *Bull. N.Y. State Museum*, iii. no. 15, 361. 1895.
- , & JAMES FURMAN KEMP. The Geology of Moriah and Westport Townships, Essex County, N.Y., with a geological Map. [Scale 1 mile = 1 inch, also Map of the Mineville District, Essex County (N.Y.), scale 500 yards = $\frac{15}{16}$ inch.] *Bull. N.Y. State Museum*, iii. no. 14, 323. 1895.
- MERRILL, GEORGE P. On the Formation of Stalactites and Gypsum Incrustations in Caves. *Proc. U.S. Nat. Mus. Washington*, 1894, xvii. 77. 1895.
- 2. Notes on some Eruptive Rocks from Gallatin, Jefferson, and Madison Counties, Montana. *Proc. U.S. Nat. Mus. Washington*, 1894, xvii. 636. 1895.
- 3. Notes on Asbestos and Asbestiform Minerals. *Proc. U.S. Nat. Mus. Washington*, xviii. 281. 1895. A.C.
- 4. The Onyx Marbles: their Origin, Composition, and Uses, both Ancient and Modern. *Ann. Rep. Smiths. Inst. Rep. U.S. Nat. Mus.* 1893, 541. 1895.
- 5. An Occurrence of Free Gold in Granite. [Sonora, Mexico.] *Am. Journ. Sci.* ser. 4, i. 309. 1896. And A.C.
- 6. Disintegration and Decomposition of Diabase at Medford (Mass.). *Bull. Geol. Soc. Am.* vii. 349. 1896. And A.C.
- 7. On the Composition and Structure of the Hamblen County (Tennessee), Meteorite. *Am. Journ. Sci.* ser. 4, ii. 149. 1896.
- 8. The Principles of Rock Weathering. *Journ. Geol. Chicago*, iv. 725, 850. 1896.
- MERRITT, WILLIAM HAMILTON. Economic Minerals of the Province of Ontario, Canada. [Map, scale 1 inch = 110 miles.] *Trans. Fed. Inst. M. E.* x. 288. 1896. And A.C.
- MESQUITA, EGBERTO DE MAGALHAES. Apontamentos acerca da Região littoral comprehendida entre as Lagoas de Mira e de Esmoriz (Dunas d'Aveiro). *Comm. Dir. Trab. geol. Portugal*, iii. 23. 1896.
- METCALFE, A. T. The Gypsum Deposits of Nottinghamshire and Derbyshire. *Ann. Rep. Notts Nat. Soc.* lxx. 19. 1895.
- 2. —. [Abstract.] *Q. J. G. S.* lii. 461. 1896.
- 3. —. *Trans. Fed. Inst. M. E.* xii. 107. 1896.

- MEUNIER, STANISLAS. Examen sommaire de la Météorite tombée à Madrid le 10 Février 1896. *C. R. Acad. Sci. Paris*, cxxii. 640. 1896.
- MEZGER, C. A. The Monazite Districts of North and South Carolina. *Trans. Am. Inst. M. E.* xxy. 822. 1896.
- MICHEL-LEVY, A. Étude pétrographique des Albitophyres du Bassin de Laval. *C. R. Acad. Sci. Paris*, cxxii. 264. 1896.
- 2. Notations des Roches éruptives pour les Feuilles au 320,000°. *Bull. Serv. Carte géol. France*, viii. (no. 53) 2. 1896.
- 3. Sur quelques Particularités de Gisement du Porphyre bleu de l'Estérel; Application aux recentes Théories sur les Racines granitiques et sur la différenciation des Magmas éruptifs. *Bull. Soc. géol. France*, ser. 3, xxiv. 123. 1896.
- 4. Sur les Sondages profonds de Charmoy (Creusot) et de Macholles, près Riom (Limagne). *C. R. Acad. Sci. Paris*, cxxii. 1503. 1896.
- * — (Directeur) 5. Services de la Carte géologique de la France et des Topographies souterraines. Carte géologique détaillée de la France, $\frac{1}{80,000}$ 5, Lille, 2^e édition, par J. GOSSELET, L. CAYEUX, et — LADRIÈRE. 1896.
- — — 17, Cherbourg, par L. LECORNU. 1895.
- — — 75, Rennes, par CHARLES BARROIS & PAUL LEBESCONTE. 1895.
- — — 91, Château-Gontier, par LOUIS BUREAU & D. P. CHELERT. 1896.
- — — 112, Dijon par — COLLOT. 1896.
- — — 118, Cholet, par L. BOCHET. 1896.
- — — 153, St.-Jean-d'Angély, par A. BOISSELLIER. 1895.
- — — 157, Gannat, par L. de LAUNAY. 1896.
- — — 179, St.-Jean-de-Maurienne, par — POTIER, MARCEL BERTRAND, P. TERMIER, W. KILIAN, & A. OFFRET. 1896.
- — — 179 bis, Bonneval, par MARCEL BERTRAND & P. TERMIER. 1896.
- — — 224, Castellane, par P. ZÜRCHER. 1896. (With 'Notice explicative' to each.)
- MIDDLEMISS, C. S. Notes on the Ultra-basic Rocks and derived Minerals of the 'Chalk' (Magnesite) Hills and other Localities near Salem, Madras. [Map, 1 inch=850 yards.] *Rec. Geol. Surv. India*, xxix. 31. 1896.
- 2. Preliminary Notes on some Corundum Localities in the Salem and Coimbatore Districts, Madras. [Map, about 1½ inch=1 mile.] *Rec. Geol. Surv. India*, xxix. 39. 1896.
- MIDDLETON, JEFFERSON. Clay. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 517. 1895.
- MIEG, MATHIEU. Note sur les Calcaires coralligènes d'Istein [S. Baden]. *Bull. Soc. géol. France*, ser. 3, 1895, xxiii. 95. 1895.
- MIRS, HENRY A. Individuality in the Mineral Kingdom. *Nature*, liv. 208. 1896.
- 2. Precious Stones. *Journ. Soc. Arts*, xlv. 757, 769. 1896.
- *MILCH, L. Beiträge zur Kenntniss des Verrucano. Part II. 8vo. Leipzig, 1896.
- MILES, S. B. Journal of an Excursion in Oman, in South-east Arabia. *Geogr. Journ.* vii. 522. 1896.
- MILLAR, C. C. HOYER. The Cripple Creek Goldfields, Colorado, U.S.A. 8vo. London, 1896.
- *MILLER, ARTHUR M. The Association of the Gasteropod Genus *Cyclora* with Phosphate of Lime Deposits. *Am. Geol.* xvii. 74. 1896.
- MILLER, S. A., & W. F. E. GURLEY. New and Interesting Species of Palæozoic Fossils. [Crinoidea; Cystoidea; Blastoidea; Anthozoa; Nautiloidea and Serpuliada]. *Bull. Ill. State Mus. Nat. Hist.* no. 7, 1. 1895.
- 2. Description of New and Remarkable Fossils from the Palæozoic Rocks of the Mississippi Valley. [Crinoids.] *Bull. Ill. State Mus. Nat. Hist.* no. 8, 1. 1896.
- 3. New Species of Crinoids from Illinois and other States. *Bull. Ill. State Mus. Nat. Hist.* no. 9, 5. 1896.
- 4. New Species of Echinodermata and a New Crustacean from the Palæozoic Rocks. *Bull. Ill. State Mus. Nat. Hist.* no. 10, 1. 1896.
- *MILLER, W. G. Minerals and the Röntgen Rays. *Am. Geol.* xvii. 324. 1896.
- , & R. W. BROCK. Some Dykes cutting the Laurentian System, Counties of Frontenac, Leeds, and Lanark (Ont.). *Canad. Rec. Sci.* vi. 482. 1896.
- MILLET, F. W. See JONES, T. R.
- MILNE, JOHN. Investigation of the Earthquake and Volcanic Phenomena of Japan. *Rep. Brit. Assoc. Adv. Sci.* 1895, 81. 1895.

- MILNE, JOHN. 2. A Seismic Survey of the World. *Nature*, liv. 235. 1896.
 — 3. Movements of the Earth's Crust. *Geogr. Journ.* vii. 229. 1896.
- *MILNE-EDWARDS, A. Sur les Ressemblances qui existent entre la Faune des Iles Mascareignes et celle de certaines Iles de l'Océan Pacifique austral. *Ann. Sci. Nat. Paris*, ser. 8, ii. 117. 1896.
- MINGAYE, JOHN C. H. Analyses of the Artesian Waters of New South Wales, and their Value for Irrigation and other Purposes. *Rep. Austral. Assoc. Adv. Sci.* 1895, vi. 265. 1896.
- MIQUEL, —. See BERGERON, J.; see ROUVILLE, P. G. DE.
- MITCHELL, JOHN. See ETHERIDGE, R., Jun.
- *MITZOPULOS, KONST. Die Eruption der Pechquellen von Keri in Zante und ihre vulkanische Natur. *Peterm. Mitt.* xlii. 156. 1896.
- MÖBERG, JOH. CHR. Beskrifning till Kartbladet Sandhammare. [Map, $\frac{1}{50,000}$] *Sver. geol. Undersökn.* ser. Aa, no. 110, 1. 1895.
- 2. Silurisk Posidonomyaskiffer en egendomlig Utbildning af Skånes Öfversilur. [Ostracoda.] *Sver. geol. Undersökn. Afh.* ser. C, no. 156, 1. 1895.
- 3. Untersuchungen über die Grünsteine des westlichen Blekinge und der angrenzenden Theile Schonens. [Map, $\frac{1}{250,000}$] *Sver. geol. Undersökn. Afh.* ser. C, no. 158, 1. 1896.
- See HOLST, N. O.
- MÖBERG, K. AD. Beskrifning till Kartbladet no. 27, Fredrikshamn. [Map, $\frac{1}{200,000}$] *Finlands geol. Undersökn.* 1895.
- MODERNI, P. Osservazioni geologiche fatte nell' Abruzzo teramano durante l'Anno 1894. *Boll. R. Com. geol. Ital.* xxvi. 446. 1895.
- MOISSAN, HENRI. Sur quelques Expériences nouvelles relatives à la Préparation du Diamant. *C. R. Acad. Sci. Paris*, cxxiii. 206. 1896.
- 2. Étude du Diamant noir. *C. R. Acad. Sci. Paris*, cxxiii. 210. 1896.
- 3. Étude des Sables diamantifères du Brésil. *C. R. Acad. Sci. Paris*, cxxiii. 277. 1896.
- MOJSISOVICS VON MOJSVÁR, EDMUND VON. Ammonites triasiques de la Nouvelle-Calédonie. *C. R. Acad. Sci. Paris*, cxxi. 741. 1895. A.C.
- 2. Beiträge zur Kenntniss der obertriadischen Cephalopoden-Faunen des Himalaya. *Denkschr. k. Akad. Wissen. Wien*, lxiii. 575. 1896. A.C.
- 3. Ueber den chronologischen Umfang des Dachsteinkalkes. *Sitz. k. Akad. Wissen. Wien*, cv. 5. 1896. A.C.
- 4. Zur Altersbestimmung der sicilischen und süditalienischen Halobienkalke. *Verh. k.-k. geol. Reichsanst.* 1896, 197. 1896. And A.C.
- 5. Die Cephalopoden-Faunen der oberen Trias des Himalaya, nebst Bemerkungen über die Meere der Triasperiode. *Verh. k.-k. geol. Reichsanst.* 1896, 346. 1896. A.C.
- See SUSS, E.
- W. WAAGEN, & C. DIENER. Entwurf einer Gliederung der pelagischen Sedimente des Trias-Systems. *Sitz. k. Akad. Wissen. Wien*, civ. *Math.-naturw. Cl.* 1271. 1895. And A.C.
- MOLISCH, H. Die mineralische Nahrung der niederen Pilze. *Sitz. k. Akad. Wissen. Wien*, ciii. Abth. 1, 554. 1894.
- *MOLTKE, C., & A. JESSEN. Opmaalingsexpeditionen til Julianehaabs Distrikt, 1894. *Meddel. Grønland*, no. 16, 73, 123. 1896.
- MONCKTON, GEOFFREY F. On Plant Beds of Tertiary Age in British Columbia. *Geol. Mag.* dec. 4, iii. 421. 1896.
- MONCKTON, HORACE W. The Stirling Dolerite. *Q. J. G. S.* li. 480. [Map.] 1895. A.C.
- 2. Excursion to Hendon. *Proc. Geol. Assoc.* xiv. 327. 1896. And A.C.
- See BLAKE, J. H.; see HERRIES, R. S.; see HILL, W.; see HUDESTON, W. H.; see WOODWARD, A. S.
- , & W. P. D. STEBBING. Excursion to Betchworth and Headley. *Proc. Geol. Assoc.* xiv. 124. 1895. A.C.
- MONTEFIORE, A. See BRICE, A. M.
- MONTESSUS DE BALLORE, F. DE. Seismic Phenomena in the British Empire. [Maps.] *Q. J. G. S.* lii. 651. 1896.
- MOORE, C. WILSON. The Economic Importance of the Murchison Range. *Trans. Geol. Soc. S. Africa*, i. 51. 1896.
- 2. [The Extension of the Main Reef, westward of the Farm Witpoortje.] *Trans. Geol. Soc. S. Africa*, ii. 21. 1896.
- MOORE, T. B. Further Discoveries of Glaciation, West Coast, Tasmania. *Papers & Proc. Roy. Soc. Tasmania*, 1894-95, 56. 1896.

- MOORE, T. B. 2. Notes on further Proofs of Glaciation at Low Levels. *Papers & Proc. Roy. Soc. Tasmania*, 1894-95, 73. 1896.
- MORENO, FRANCISCO P. Nota sobre los Restos de *Hyperodontes* conservados en el Museo de La Plata. *An. Mus. La Plata*, secc. zool. iii. 1. 1895.
- MÖRICKÉ, W. Algunas Observaciones sobre Yacimientos metalíferos chilenos i sus Relaciones con Rocas eruptivas. *Bol. Soc. Nac. Minería, Santiago*, ser. 2, viii. 86. 1896.
- 2. Estudios comparativos entre Rocas eruptivas i Minerales de Chile i Hungría. *Bol. Soc. Nac. Minería, Santiago*, ser. 2, viii. 105. 1896.
- 3. El Distrito eruptivo del San Cristobal, cerca de Santiago de Chile. *Bol. Soc. Nac. Minería, Santiago*, ser. 2, viii. 132. 1896.
- See STEINMANN, G.
- MORISON, JOHN. The Lothian Coalfields and recent Developments at Newbattle Collieries. *Proc. S. Wales Inst. Engin.* xix. 350. 1896.
- 2. —. *Coll. Guard.* lxxi. 702. 1896.
- MORRIS, CHARLES. The Extinction of Species. *Proc. Acad. Nat. Sci. Philad.* 1895, 253. 1895.
- MORTILLET, G. DE. Observations sur la Terrasse de Villefranche-sur-Saône (Rhône). *Bull. Soc. géol. France*, ser. 3, xxiv. 7. 1896.
- MORTON, G. H. Recent Borings in the Red Marl, near Liverpool. *Geol. Mag.* dec. 4, iii. 496. 1896. And A.C.
- 2. —. *Coll. Guard.* lxxii. 823. 1896.
- 3. Erosion of the Sea-coast of Wirral. *Geol. Mag.* dec. 4, iii. 516. 1896.
- MOSES, A. J. Device for Simplifying the Drawing of Crystal Forms. *Am. Journ. Sci.* ser. 4, i. 462. 1896.
- MOURET, G. Feuille de Tulle. *Bull. Serv. Carte géol. France*, viii. (no. 53) 88. 1896.
- MOURGUES, F. See DELAGE, A.
- MOURLON, M. Lettre à M. le Président (en Réponse à l'Article de M. G. DEWALQUE). [Étage boldérien.] *Ann. Soc. géol. Belg. Liège*, xxiii. p. xxxvi. 1896.
- See DEWALQUE, G.
- MOUSCHKETOV, I. Note sur quelques Tremblements de Terre dans la Russie en 1894-1895. *Bull. Com. géol. Russie*, 1896, xv. 139. 1896.
- MRAZEC, L. Contributions à l'Étude pétrographique des Roches de la Zone centrale des Carpathes du Sud, et spécialement de Judete, de Gorjiu, de Mehedenti et de Muscel. *Ann. Mus. Geol. & Pale., Bucarest.*, 1894, 37. 1896.
- See DUPARC, L.
- MUFF, HERBERT, & THOMAS SHEPPARD. Notes on the Glacial Geology of Robin Hood's Bay, Yorkshire. *Glac. Mag.* iv. 47. 1896. A.C.
- MÜGGE, O. Benennung und Structur der Tuffoide der Lenneporphyre. *N. J. f. Min.* 1896, i. 79. 1896.
- 2. Der Quarzporphyr der Bruchhäuser Steine in Westfalen. *N. J. f. Min.* x. Beilage-Band, 757. 1896.
- MÜLLER, G. Mittheilung über Ergebnisse seiner Aufnahmen in der Colberger Gegend. *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv. p. lxxviii. 1895.
- 2. Ueber glacielle Ablagerungen im südlichen Hannover und am nördlichen Harzande. *Zeitschr. deutsch. geol. Gesell.* xlvi. 431. 1896.
- MÜLLER, WILHELM. Ueber ein massenhaftes Vorkommen von Achat im Porphyr, bei Neukirch im Kreise Schönau in Niederschlesien. *Zeitschr. deutsch. geol. Gesell.* xlvi. 350. 1896.
- MUNDAY, JOHN. Notes on Tin-mining in and around Herberton, North Queensland. *Rep. Austral. Assoc. Adv. Sci.* 1895, vi. 375. 1896.
- MUNIER-CHALMAS, —. Deuxième Note préliminaire sur la Charnière des Mollusques acéphales. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. liii. 1895.
- See DEPÉRET, C.; see KILIAN, W.
- , & A. de LAPPARENT. Réponse à quelques Observations au sujet de l'Essai de Nomenclature stratigraphique. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. xliii. 1895.
- *MUNRO, ROBERT. The Lake-Dwellings of Europe. 8vo. London, 1890.
- MUNTHE, HENR. Om Fyndet af Gräsäl i *Ancylus*leran vid Skattmansö i Upland. *Meddel. Upsala Univ. min.-geol. Inst.* no. 16. 1895.
- 2. Till Frågan om den baltiska *Yoldia*mergelns Fauna. *Geol. Fören. Stockh. Förh.* xviii. 33, 1896; and *Meddel. Upsala Univ. min.-geol. Inst.* no. 20, 1, 1896.
- 3. Om Fyndet af ett Benredskap i *Ancylus*lera nära Norsholm i Östergötland. *Öfvers. K. Vet.-Akad. Förh.* 1895, lii. 151. 1896.

- MUNTHE, HENR. 4. Till Kännedomen om Foraminiferfauna i Skånes Krit-system. *Geol. Fören. Stockh. Förh.* xviii. 21, 1896, & *Meddel. Upsala Univ. min.-geol. Inst.* no. 19, 1, 1896.
- 5. Till Frågan om Foraminiferfauna i sydbaltiska Kvartärlager. *Geol. Fören. Stockh. Förh.* xviii. 233, 1896, & *Meddel. Upsala Univ. min.-geol. Inst.* no. 22, 1, 1896.
- MURPHY, E. C. The New Water-supply of the University of Kansas. *Trans. Kansas Acad. Sci.* xiv. 98. 1896.
- MURRAY, JOHN. On the Manganese Oxides and Manganese Nodules in Marine Deposits. *Trans. Roy. Soc. Edinb.* xxxvii. 721. 1895.
- MURTON, CHARLES J., & SAVILLE SHAW. A Deposit found at Delaval Colliery, Benwell, Northumberland. *Trans. N. Engl. Inst. M. E.* xlv. 67. 1895.
- *MYRES, J. L. Prehistoric Man in the Eastern Mediterranean. *Sci. Progr.* v. 335. 1896.
- See PATON, W. R.
- NASON, F. L. The Economic Geology of Albany County (N.Y.). *Ann. Rep. State Geologist, New York*, 1893, xiii. vol. i. 263. 1894.
- 2. Economic Geology of Ulster County (N.Y.). *Ann. Rep. State Geologist, New York*, 1893, xiii. vol. i. 373. 1894.
- NATHORST, A. G. Nya Fynd i *Ancylus*leran vid Skattmansö i Upland. *Geol. Fören. Stockh. Förh.* 1895, xvii. 691. 1896.
- 2. En Aterblick på Geologiens Ställning i Sverige vid Tiden för Geologiska Föreningens Bildande. *Geol. Fören. Stockh. Förh.* xviii. 427. 1896.
- 3. Tvenne nya Fyndorter för subfossila *Trapa*-frukter i Misterhults Socken, Småland. *Öfvers. K. Vet.-Akad. Förh.* 1895, lli. 513. 1896.
- NEAL, W. D. Some of the Crystalline Rocks of Salt Lake and Davis Counties, Utah. *Utah Univ. Quart.* ii. 90. 1896.
- *NEGRÌ, G. B. Sopra le Forme cristalline dell' Aragonite di Monte Ramazzo. *Riv. Min. e Crist. ital. Padova*, xv. 65. 1896.
- NEHRING, A. Ueber einen fossilen menschlichen Milchbackenzahn aus dem Diluvium von Taubach bei Weimar. *Sitz. Gesell. naturf. Freunde, Berlin*, 1895, 97, 152. 1895.
- 2. Fossiler Schädelrest einer Saiga-Antilope aus dem Diluvium Westpreussens. *N. J. f. Min.* 1896, i. 111. 1896.
- 3. Benagen von Knochen und Gebisstheilen durch *Hystrix*. *N. J. f. Min.* 1896, i. 157. 1896.
- NEILSON, JAMES. On the Old Red Sandstone and Carboniferous Rocks of the North-east of the Island of Arran. *Geol. Mag.* dec. 4, iii. 155, 222. 1896.
- NESSIG, R. Die Sande der Umgebung von Dresden. *Sitz. u. Abh. nat. Gesell. 'Isis'*, 1895, *Abh.* 71. 1896.
- NETSCHAEV, A. Recherches géologiques entre les Rivières Dioma et Belaya. *Bull. Com. géol. Russie*, 1896, xv. 1. 1896.
- NEVES E MELLO, ADELINO ANTONIO DAS. Guyana Britannica. Demerara. *Bol. Soc. geogr. Lisboa*, ser. 15, no. 3, 99. 1896.
- *NEVIANI, ANTONIO. Briozoi fossili della Farnesina e Monte Mario, presso Roma. *Palaeontographia Italica*, 1895, i. 77. 1896.
- 2. Briozoi eocenici del Calcarea nummulitico di Mosciano, presso Firenze. *Boll. Soc. geol. ital.* xiv. 119. 1896.
- * — 3. Nuova specie fossile di *Stichoporina*. *Riv. ital. Paleont. Bologna*, i. 247. 1896.
- NEWELL, FREDERICK HAYES. Report of Progress of the Division of Hydrography for the Calendar Years 1893 and 1894. *Bull. U.S. Geol. Surv.* no. 131, 9. 1895.
- 2. The Public Lands and their Water Supply. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. ii. 463. 1895.
- NEWTON, E. TULLEY. Excursion to Galley Hill, near Northfleet, and Swanscomb Hill. *Proc. Geol. Assoc.* xiv. 305. 1896.
- See SHARMAN, G.; see WATTS, W. W.
- & R. S. HERRIES. Visit to the Zoological Gardens. *Proc. Geol. Assoc.* xiv. 324. 1896.
- & E. P. RIDLEY. Excursion to the Tattingstone Crag District of Suffolk. *Proc. Geol. Assoc.* xiv. 409. 1896.
- NEWTON, JOHN. Recent Discoveries as to the Origin and Early History of the Human Race, contrasted with the Old Ideas. *Proc. Lit. Phil. Soc. Liverpool*, 1893-94, xlvi. 135. 1894.

- NEWTON, RICHARD BULLEN. On the Occurrence of *Alectryonia unguata* in S.E. Africa, with a Notice of previous Researches on the Cretaceous Conchology of South Africa. *Journ. Conch., Leeds*, viii. 136. 1896. A.C.
- 2. On the Identification of the *Acanthoceras mammillatum*- and *Hoplites interruptus*-Zones at Okeford Fitzpaine, Dorsetshire. *Geol. Mag.* dec. 4, iii. 198. 1896. And A.C.
- 3. On the Occurrence of an Indian Jurassic Shell, *Paralleledon Egertonianus*, in Somaliland, Eastern Africa. *Geol. Mag.* dec. 4, iii. 294. 1896. And A.C.
- 4. Note on the Occurrence of Nummulitic Limestone in South-eastern Africa. *Geol. Mag.* dec. 4, iii. 487. 1896. And A.C.
- NEWTON, WILLIAM. The Origin of Nitrate in Chili. *Geol. Mag.* dec. 4, iii. 339. 1896.
- NICHOLSON, H. ALLEYNE. Permanence of the Ocean-basins. *Proc. R. Phys. Soc. Edinb.* 1894-95, 1. 1895.
- , & J. E. MARR. Notes on the Phylogeny of the Graptolites. *Rep. Brit. Assoc. Adv. Sci.* 1895, 695. 1895.
- NICKLÈS, RENÉ. Investigaciones geológicas en la Provincia de Alicante y Parte Meridional de la de Valencia. [Mollusca, &c., & Maps, Sierra de Foncalent, scale $\frac{1}{60,000}$; Sierra de Mariola, scale $\frac{1}{120,000}$; & Region Meridional de Callosa de Ensarria (Alicante), scale $\frac{1}{100,000}$.] *Bol. Com. Mapa geol. España*, 1893, xx. 99. 1895.
- 2. Feuille de Bédarieux. *Bull. Serv. Carte géol. France*, viii. (no. 53) 103. 1896.
- 3. Sur les Terrains secondaires des Provinces de Murcie, Alméria, Grenade et Alicante (Espagne). *C. R. Acad. Sci. Paris*, cxvii. 550. 1896.
- NICOL, W. Anhydrite in Ontario. *Canadian Rec. Sci.* vii. 61. 1896.
- NIEDŹWIEDZKI, JUL. Przyczynek do Geologii pobrzeza karpackiego w Galicyi zachodniej. *Rozpr. Akad. umiej. Krakow*, ser. 2, ix. 159. 1895.
- NIKITIN, S. Bibliothèque géologique de la Russie, 1894. *Bull. Comité géol. Russie*, xiv. Suppl. 1. 1895.
- 2. Source minérale ferrugineuse de Batow, Gouv. de St. Pétersbourg. *Bull. Com. géol. Russie*, 1895, xiv. 259. 1896.
- NITZE, H. B. C. Monazite. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 667. 1895.
- 2. North Carolina Monazite. *Trans. Am. Inst. M. E.* xxv. 40. 1896.
- , & H. A. J. WILKENS. The Present Condition of Gold-Mining in the Southern Appalachian States. *Trans. Am. Inst. M. E.* xxv. 661. 1896.
- NOETLING, FRITZ. On some Marine Fossils from the Miocene of Upper Burma. *Mem. Geol. Surv. India*, xxxvii. 1. 1895.
- 2. Ueber das Vorkommen von Jadeit in Ober-Birma. *N. J. f. Min.* 1896, i. 1. 1896.
- 3. Beiträge zur Kenntniss der glacialen Schichten permischen Alters in der Salt-Range, Punjab (Indien). *N. J. f. Min.* 1896, ii. 61. 1896.
- NOGUÈS, ALPHONSE F. Sur l'Âge des Terrains à Lignites du sud du Chili, le Groupe d'Arauco, équivalent chilien du Groupe de Laramie et de Chico-Tejon de l'Amérique du Nord. *Actes Soc. sci. Chili*, v. 34. 1895.
- 2. Carta jeológica, mineralógica i agronómica de Chile (Proyecto de ejecucion). *Congr. cient. general Chileno*. 1894, 186. 1895.
- 3. Carta jeológica, mineralógica i agronómica de Chile. *Actes Soc. sci. Chili*, v. 147. 1896.
- NOLAN, H. Structure géologique d'ensemble de l'Archipel Baléare. *Bull. Soc. géol. France*, ser. 3, 1895, xxvii. 76. 1895. [Small Maps.]
- NORDENSKIÖLD, A. E. Om Borrningar efter Vatten i Urberget. *Geol. Fören. Stockh. Förh.* xviii. 245. 1896.
- NORDENSKIÖLD, OTTO. Om förmodade Spår af en Istid i Sierra de Tandil i Argentina. *Meddel. Upsala Univ. min.-geol. Inst.* no. xvii. 1895.
- 2. Kristallografisk och optisk Undersökning af Edingtonit. *Meddel. Upsala Univ. min.-geol. Inst.* no. xviii. 1895.
- 3. Note sur l'Édingtonite de Böhlet (Suède). *Bull. Soc. franç. Min.* xviii. 396. 1896.
- 4. Ueber archaische Ergussgesteine aus Småland. *Sver. geol. Undersökn. Afh.* ser. C, no. 135, 1. 1894.
- 5. Nya Bidrag till Kännedomen om de svenska Hällefintbergarterna. *Sver. geol. Undersökn. Afh.* ser. C, 159, 1. 1895.
- 6. —. *Geol. Fören. Stockh. Förh.* 1895, xvii. 653. 1896.

- NORTON, W. H. Geology of Linn County (Iowa). *Iowa Geol. Surv.* iv. 121. 1895.
- NOVARESE, V. Nomenclatura e Sistematica delle Rocce verdi nelle Alpi Occidentali. *Boll. R. Com. geol. ital.* xxvi. 164. 1895.
- 2. Sul Rilevamento geologiche Esequito nel 1894 in Valle della Germanasca (Alpi Cozie). *Boll. R. Com. geol. ital.* xxvi. 253. 1895.
- NYHOLM, E. T. See RAMSAY, W.
- OBERG, VICTOR. Flottholmen i Sjön Ralängen (Jönköping Län). *Sver. geol. Undersökn. Afh.* ser. C, 138, 1. 1894.
- OBRUTCHEV, V. A. Ueber die Verwitterungs- und Deflationsprocesse in Central-Asien. *Verh. russ.-k. min. Gesell.* ser. 2, xxxiii. 229. 1895.
- 2. The Orography of Central Asia and its South-eastern Borderlands. *Scot. Geogr. Mag.* xii. 75. 1896.
- OCHSENIUS, CARL. Erdölbildung. *Zeitschr. deutsch. geol. Gesell.* xlviii. 239. 1896.
- 2. Kohle und Petroleum. *Zeitschr. f. prakt. Geol.* 1896, 65. 1896.
- 3. Laurium. *Zeitschr. f. prakt. Geol.* 1896, 196. 1896.
- 4. Die Bildung des Erdöls. *Zeitschr. f. prakt. Geol.* 1896, 219. 1896.
- ÖHLERT, D. P. Sur les *Trimucleus* de l'Ouest de la France. *Bull. Soc. géol. France*, sér. 3, xxiii. 299. 1895. And A.C.
- 2. Feuille de Mayenne. *Bull. Serv. Carte géol. France*, viii. (no. 53), 57. 1896. And A.C.
- 3. Résumé des derniers Travaux sur l'Organisation et le Développement des Trilobites. *Bull. Soc. géol. France*, sér. 3, xxiv. 97. 1896. And A.C.
- 4. Sur les Gisements de quelques Roches éruptives et métamorphiques du Bassin de Laval. *C. R. Acad. Sci. Paris*, cxxii. 262. 1896.
- 5. *Uralichas Riberioi* des Schistes d'Angers. *Mém. Soc. géol. France (Paléont.)* vi. *Mém.* 16, 1. 1896.
- 6. See MICHEL-LÉVY, A., &c.
- OFFICER, GRAHAM, & LEWIS BALFOUR. The Glacial Deposits of Bacchus Marsh, Victoria. *Rep. Austral. Assoc. Adv. Sci.* 1895, vi. 321. 1896.
- , —, & EVELYN G. HOEG. The Glacial Geology of Coimadaí. *Rep. Austral. Assoc. Adv. Sci.* 1895, vi. 323. 1896.
- OFFRET, A. Feuille d'Albertville. *Bull. Serv. Carte géol. France*, viii. (no. 53), 184. 1896.
- See MICHEL-LÉVY, A., &c.
- OGILBY, J. DOUGLAS. On a *Galaxias* from Mount Kosciusko (N.S.W.). *Proc. Linn. Soc. N.S.W.* xxi. 62. 1896.
- OGILVIE, MARIA M. Microscopic and Systematic Study of Madreporarian Types of Corals. *Proc. Roy. Soc.* lix. 9. 1896.
- * — 2. —. *Ann. Mag. Nat. Hist.* ser. 6, xvii. 219. 1896.
- OHLMÜLLER, —. See BEYSCHLAG, F.
- OLDHAM, R. D. See KING, W.
- OLIVERO, ENRICO. Imprinta dell' Epoca glaciale allo Sbocco di Valle Dora Riparia. [Map, $\frac{1}{300,000}$] *Boll. Soc. geol. ital.* xv. 253. 1896.
- * OPPENHEIM, PAUL. Beiträge zur Binnenfauna der provençalischen Kreide. *Palaeontographica*, xlii. 309. 1895.
- 2. Das Alttertiär der Colli Berici in Venetien, die Stellung der Schichten von Priabona und die oligocäne Transgression im alpinen Europa. [Tertiary Mollusca.] *Zeitschr. deutsch. geol. Gesell.* xlviii. 27. 1896.
- * — 3. Die Eocänfauna des Monte Postale bei Bolca im Veronesischen. *Palaeontographica*, xliii. 125. 1896.
- 4. Die oligocäne Fauna von Polschitz in Krain. *Ber. senckenberg. naturf. Gesell.* 1896, 259. 1896.
- * — 5. Ricerche di M. Blankenhorn sul Pliocene di Siria. *Riv. ital. Paleont. Bologna*, i. 257. 1896.
- * — 6. Il Terziario antico nei Colli Berici, le Faune di Zovencedo e di Grancona, e la Posizione del Complesso di Priabona. *Riv. ital. Paleont. Bologna*, ii. 1, 51. 1896.
- * — 7. Sui Molluschi eocenici del Monte Postale descritti dal Dottor P. E. Vinassa de Regny. *Riv. ital. Paleont. Bologna*, ii. 102. 1896.
- * — 8. A proposito dei Tufo glauconitici di Zovencedo. *Riv. ital. Paleont. Bologna*, ii. 164. 1896.
- ORDÓÑEZ, EZEQUIEL. Las Rocas eruptivas del Suroeste de la Cuenca de México. *Bol. Inst. geol. México*, no. 2, 1. 1895.
- ORTMANN, ARNOLD E. Examination of the Arguments given by Neumayr for the existence of Climatic Zones in Jurassic Times. *Am. Journ. Sci.* ser. 4, i. 257. 1896.

- ORTMANN, ARNOLD E. 2. On Separation, and its Bearing on Geology and Zoögeography. *Am. Journ. Sci.* ser. 4, ii. 63. 1896.
- 3. On Natural Selection and Separation. *Proc. Am. Phil. Soc.* xxxv. 175. 1896.
- OSANN, A. Beiträge zur Geologie und Petrographie der Apache (Davis) Mts., West Texas. *Min. petr. Mitth.* n. F. xv. 385. 1896.
- OSASCO, ELODIA. Di alcuni Corallari pliocenici del Piemonte e della Liguria. *Atti R. Acc. Sci. Torino*, xxxi. 225. 1895.
- OSBORN, HENRY FAIRFIELD, & CHARLES EARLE. Fossil Mammals of the Puerco Beds. *Bull. Amer. Mus. Nat. Hist. N.Y.* vii. 1. 1895.
- 2. Fossil Mammals of the Uinta Basin. *Bull. Amer. Mus. Nat. Hist. N.Y.* vii. 71. 1895.
- , & J. L. WORTMAN. Perissodactyls of the Lower Miocene White River Beds. *Bull. Amer. Mus. Nat. Hist. N.Y.* vii. 343. 1895.
- OWEN, (MISS) L. A. Cavernes américaines. *Spelunca*, ii. 8. 1896.
- ÖYEN, P. A. Isbræstudier i Jotunheimen. *Nyt Mag. f. Naturvid.* xxxiv. 12. 1893.
- PACKARD, R. L. Aluminium. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iii. 539. 1895.
- 2. Note on a Blue Mineral, supposed to be Ultramarine, from Silver City, New Mexico. *Proc. U.S. Nat. Mus. Washington*, 1894, xvii. 19. 1895.
- PALACHE, CHARLES. Crocoite from Tasmania. *Am. Journ. Sci.* ser. 4, i. 389. 1896.
- 2. On Crystal Measurement by means of Angular Coordinates, and on the Use of the Goniometer with two Circles. *Am. Journ. Sci.* ser. 4, ii. 279. 1896.
- , See RANSOME, F. H.
- *PANEBIANCO, R. Su alcuni gravi Errori di Mineralogia. *Riv. Min. e Crist. ital. Padova*, xv. 90. 1896.
- *— 2. Note di Crystallografia morfologica. *Riv. Min. e Crist. ital. Padova*, xvi. 33. 1896.
- *— Richiamo ad una Dimostrazione. *Riv. Min. e Crist. ital. Padova*, xvii. 15. 1896.
- PANTANELLI, DANTE. Rame e Mercurio nativi nell' Apennino Emiliano. *Atti R. Acc. Lincei*, ser. 5, *Rendic.* v. sem. 1, 10. 1896.
- PAPAVASILIOU, SOKRATES A. Zum grossen Dislokationsbeben von Lokris in April 1894. 8vo. Athens, 1895. A.C.
- 2. Liste des Tremblements de Terre observés en Grèce durant les mois de Janvier-Juin 1896. *Bull. séismol. Observ. Nat. Athènes*, nos. 1-6. 1896.
- PAQUIER, VICTOR. Note préliminaire sur quelques Chamidés nouveaux de l'Urgonien. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. xlix. 1895.
- 2. Sur les Niveaux pyriteux du Crétacé inférieur. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. xciv. 1895.
- 3. Feuilles du Buis, Die, Albertville et Valence. *Bull. Serv. Carte géol. France*, viii. (no. 53) 185. 1896.
- 4. Note sur l'Âge de quelques Affleurements crétacés de l'ouest du Département de la Drôme. *Bull. Soc. géol. France*, ser. 3, xxiii. 560. 1896.
- 5. Sur quelques Rudistes nouveaux de l'Urgonien. *C. R. Acad. Sci. Paris*, cxxii. 1223. 1896.
- 6. Sur la Présence de Caprininés dans l'Urgonien. *C. R. Acad. Sci. Paris*, cxxii. 1434. 1896.
- PARKER, EDWARD WHEELER. Antimony. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iii. 624. 1895.
- 2. The Production of Coal in 1894. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 1. 1895.
- 3. Asphaltum. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 430. 1895.
- 4. Soapstone. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 511. 1895.
- 5. Abrasive Materials [Burrstones, Grindstones, Oilstones, Whetstones, Corundum, Emery, Infusorial Earth, Garnet, Tripoli]. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 586. 1895.
- 6. Gypsum, Sulphur and Pyrites. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 636. 1895.
- 7. Salt. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 646. 1895.
- 8. Mineral Paints. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 694. 1895.
- 9. Barytes. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 701. 1895.
- 10. Asbestos. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 703. 1895.
- PARKER, JAMES. *Cetiosaurus* Remains. *Rep. Brit. Assoc. Adv. Sci.* 1895, 403. 1895.

- *PARONA, C. F. Nuove Osservazioni sopra la Fauna e l'Età degli Strati con *Posidonomya alpina* nei Sette Comuni. *Palaontographia italica*, 1895, i. 1. 1896.
- , & G. BONARELLI. Nuovi Generi di Ammoniti giuresi. *Rendic. R. Ist. lomb. Sci.* ser. 2, xxviii. 636. 1895.
- , & G. ROVERETO. Diaspri permiani a Radiolarie di Montenotte (Liguria Occidentale). *Atti R. Acc. Sci. Torino*, xxxi. 167. 1895.
- PARRY, JOSEPH. The New Water Supply of Liverpool. *Proc. Lit. Phil. Soc. Liverpool*, 1894-95, xlix. 213. 1895.
- PARSONS, CYRIL E. The Deposit at the Mill Close Lead-Mine, Darley Dale, Matlock. *Trans. Fed. Inst. M. E.* xii. 115. 1896.
- PASQUIER, LEON DU. Glaciers et Période Glaciaire. *Bull. Soc. neuchâtel. Géogr.* viii. (1). 1896. A.C.
- , See FOREL, F. A.; see PENCK, A.
- PATON, W. R., & J. L. MYRES. Notes on the Topography of Caria [Persia]. *Rep. Brit. Assoc. Adv. Sci.* 1895, 763. 1895.
- PAUL, C. M. Reisebericht aus dem Wienerwalde. *Verh. k.-k. geol. Reichsanst.* 1895, 289. 1895.
- 2. Geologische Aufnahmen im Wienerwalde. *Verh. k.-k. geol. Reichsanst.* 1896, 119. 1896.
- 3. Erster Aufnahmsbericht aus der alpinen Sandsteinzone. *Verh. k.-k. geol. Reichsanst.* 1896, 311. 1896.
- 4. Zweiter Reisebericht aus der alpinen Sandsteinzone. *Verh. k.-k. geol. Reichsanst.* 1896, 318. 1896.
- PAVLOV, ALEXIS P. On Dykes of Oligocene Sandstone in the Neocomian Clays of the District of Alatyr, in Russia. *Geol. Mag.* dec. 4, iii. 49. 1896.
- 2. On the Classification of the Strata between the Kimeridgian and Aptian. *Q. J. G. S.* lii. 542. 1896.
- PAVLOV, MARIE. Nouveaux Mammifères tertiaires trouvés en Russie. *Bull. Soc. Imp. Nat. Moscou*, n. s. x. 174. 1896.
- PEACH, B. N. See HORNE, J.
- PEALE, A. C. Mineral Waters. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 707. 1895.
- PEARCE, F. See DUPARC, L.
- PECK, F. B. Beitrag zur kristallographischen Kenntniss des Bournonit, nebst einem Anhang: Wärmeleitung des Antimonit und Bournonit. *Zeitschr. f. Kryst.* xxvii. 299. 1896.
- PECKHAM, S. F. See WEEKS, J. D.
- , & LAURA A. LINTON. On Trinidad Pitch. *Am. Journ. Sci.* ser. 4, i. 193. 1896.
- PEDLER, A. Annual Address delivered to the Asiatic Society of Bengal. 8vo. Calcutta, 1896. A.C.
- PEETZ, H. DE. Recherches géologiques dans la partie sud-ouest de la 14-ème Feuille de la VII-ème Zone de la Carte générale du Gov. de Tomsk. (Feuille Ojache). *Travaux Sec. géol. Cab. Sa Majesté. St.-Petersb.* i. 97. 1896.
- PELIKAN, A. Ueber ein Ganggestein aus dem Biliner Braunkohlenreviere und die durch dasselbe hervorgerufenen Contacterscheinungen. *Jahrb. k.-k. geol. Reichsanst.* 1896, 255. 1896.
- *— 2. Ueber den Schichtenbau der Krystalle. *Min. petr. Mitth.* n. F. xvi. 1. 1896.
- PELLAT, EDM. Notes préliminaires diverses sur la Géologie du Sud du Bassin du Rhône. *Bull. Soc. géol. France*, ser. 3, 1895, xxiii. 426. 1895.
- PELLITERO, VALENTIN. Apuntes geológicos referentes al Itinerario de Sagua de Tánamo á Santa Catalina de Guantánamo, en la Isla de Cuba. [Map, scale $\frac{1}{400,000}$.] *Bol. Com. Mapa geol. España*, 1893, xx. 89. 1895.
- PENCK, ALBRECHT, & LÉON DU PASQUIER. Sur le Loess Préalpin, son Âge et sa Distribution géographique. *Bull. Soc. Sci. nat. Neuchâtel*, xxiii. (1). 1895. A.C.
- PENFIELD, SAMUEL L. On the Occurrence of Thauasite at West Paterson, New Jersey. *Am. Journ. Sci.* ser. 4, i. 229. 1896.
- 2. On Pearceite, a Sulpharsenite of Silver, and on the Crystallization of Polybasite. *Am. Journ. Sci.* ser. 4, ii. 17, 1896.
- 3. Ueber einige Verbesserungen der Methoden zur Trennung von Mineralien mit hohem specifischen Gewicht. *Zeitschr. f. Kryst.* xxvi. 134. 1896.
- 4. Ueber Pearceit, ein Sulfarsenit des Silbers, und über die Krystallisation des Polybasit. *Zeitschr. f. Kryst.* xxvii. 65. 1896.
- , & E. H. FORBES. Ueber den Fayalit von Rockport, Mass., und über die optischen Eigenschaften der Chrysolith-Fayalitgruppe, und des Monticellit. *Zeitschr. f. Kryst.* xxvi. 143. 1896.

- PENFIELD, SAMUEL L., & E. H. FORBES. Fayalite from Rockport, Mass., and on the Optical Properties of the Chrysolite-Fayalite Group and of Monticellite [Hortonolite]. *Am. Journ. Sci.* ser. 4, i. 129. 1896.
- , & J. H. PRATT. Einfluss der wechselseitigen Ersetzung von Mangan und Eisen auf die optischen Eigenschaften des Lithiophilits und Triphylin. *Zeitschr. f. Kryst.* xxvi. 131. 1896.
- , — 2. On the Occurrence of Thaumassite at West Paterson, New Jersey. *Am. Journ. Sci.* ser. 4, i. 229. 1896.
- , — 3. Ueber das Vorkommen des Thaumassits bei West-Paterson in New Jersey. *Zeitschr. f. Kryst.* xxiv. 262. 1896.
- , See BRUSH, G. J.
- PENHALLOW, D. Additional Notes on Devonian Plants from Scotland. *Canad. Rec. Sci.* v. 1. 1892.
- PENROSE, R. A. F., JUN. See CROSS, W.
- *PEOLA, PAOLO. Flora fossile dell' Astigiano. *Riv. ital. Paleont. Bologna*, ii. 139. 1896.
- *— 2. Florule plioceniche del Piemonte. *Riv. ital. Paleont. Bologna*, ii. 264. 1896.
- PÉROCHE, J. Les Déplacements polaires. *Ann. Soc. géol. Nord*, xxiii. 152. 1896.
- PERON, A. Afrique du Nord, Algérie et Tunisie (1894 & 1895). *Ann. géol. univ.* 1895, xii. 357. 1896.
- PERRINE, CHARLES D. Earthquakes in California in 1894. *Bull. U.S. Geol. Surv.* no. 129, 9. 1895.
- PETHÖ, JULIUS. Das östliche Zusammentreffen des Kodru-Móma und Hegyész-Drócsa Gebirges im Comitate Arad. *Jahresh. k.-ung. geol. Anst.* 1893, 55. 1895.
- 2. Ueber ein Vorkommen von Chrysokolla im Andesittuff. *Földt. Közl.* xxv. 174, 236. 1895.
- *PETITION, A. Géologie de l'Indo-Chine. [Carte géologique de l'Indo-Chine (Cochinchine française, Cambodge et Siam). Echelle de $\frac{1}{1,500,000}$.] Paris, 1895.
- PETTERD, W. F. Catalogue of the Minerals of Tasmania. Svo. Launceston, 1896.
- PHILIPPI, EMIL. Beitrag zur Kenntniss des Aufbaues und der Schichtenfolge im Grignagebirge. [Map, $\frac{1}{55,000}$.] [Triassic Mollusca.] *Zeitschr. deutsch. geol. Gesell.* xlvii. 665. 1896.
- 2. Ein neues Vorkommen von Mikroklin im Spessart. *Ber. senckenberg. naturf. Gesell.* 1896, 125. 1896.
- 3. Vorkommen von *Myophoria cardissoides*, Schloth., sp., im oberen Muschelkalk des Eyachtthales. *N. J. f. Min.* 1896, ii. 195. 1896.
- PHILIPPI, R. A. 'Ueber das Vorkommen von Ichthyopterygiern im Tithon Argentinens' von Herrn W. Dames. *Zeitschr. deutsch. geol. Gesell.* xlviii. 558. 1895.
- 2. Patagonia and Chile: their Orography and Geology contrasted. *Scot. Geogr. Mag.* xii. 303. 1896.
- PHILIPPSON, ALFRED. Zur Pindos-Geologie. *Verh. k.-k. geol. Reichsanst.* 1895, 363. 1895.
- PHILLIPS, JOHN ARTHUR, & HENRY LOUIS. A Treatise on Ore Deposits. 2nd edition. Svo. London, 1896.
- PHILLIPS, WILLIAM BATTLE. Iron-making in Alabama. *Alabama Geol. Surv.* Svo. 1896.
- PIAZ, G. DAL. See DAL PIAZ, G.
- PIERS, HARRY. Relics of the Stone Age in Nova Scotia. *Proc. & Trans. Nova Scotian Inst. Sci.* ix. 26. 1896.
- PILGRIM, —. Ueber Seismographen und Erdbeben-theorie. *Jahresh. Ver. Naturk. Württ.* lii. p. xli. 1896.
- 2. Ueber die Eiszeit, ihre Unterbrechungen und die daraus entspringenden Seengebungen. *Jahresh. Ver. Naturk. Württ.* lii. p. xcvi. 1896.
- PILLEZ, P. The Talc Quarries of Luzenac. *Coll. Guard.* lxxii. 217. 1896.
- PILSBRY, HENRY A. *Pleurotomaria crotaloides*, Mort., in the New Jersey Cretaceous. *Proc. Acad. Nat. Sci. Philad.* 1896, 10. 1896.
- PIMPINELLI, V. See GIOVANNOLZI, G., &c.
- PIOLTI, GIUSEPPE. Sopra alcune Rocce del Bacino del Monte Gimont (Alta Valle di Susa). *Mem. R. Acc. Sci. Torino*, ser. 2, xlv. 153. 1896.
- PIRSSON, L. V. A needed Term in Petrography. *Bull. Geol. Soc. Am.* vii. 492. 1896.
- 2. The Monchiquites or Analcite Group of Igneous Rocks. *Journ. Geol. Chicago*, iv. 679. 1896.
- , See WEED, W. H.

- PISANI, F. Note sur la Thaumaside. *Bull. Soc. franç. Min.* xix. 85. 1896.
- PITTMAN, EDWARD F. (Government Geologist). Progress Report for 1895. [Walbundrie Reefs; Garangula Gold-fields; Narrabri and Moree District; Artesian Water in the Clarence Coal Measures. Parramatta Gold.] [Map, Narrabri-Moree Country, 1 inch = 30 miles.] *Ann. Rep. Depart. Mines N.S.W.* 1895, 116. 1896.
- 2. Notes on the Ashford Coalfield, County of Arrawatta. [Map, 80 chains to 1 inch.] *Rec. Geol. Surv. N.S.W.* v. 26. 1896.
- 3. Note on the Cretaceous Rocks in the North-western Portion of New South Wales. *Rep. Austral. Assoc. Adv. Sci.* 1895, vi. 344. 1896.
- 4. Notes on the Geology and Mineral Resources of New South Wales. *Rep. Mining Conference, N.S.W.* 1896, 82. 1896.
- 5. On the Occurrence of Artesian Water in Rocks other than Cretaceous. *Journ. & Proc. Roy. Soc. N.S.W.* xxix. 408. 1896.
- 6. Notes on two new Mineral Substances from the Australian Broken Hill Consols Mine. *Journ. & Proc. Roy. Soc. N.S.W.* xxix. 48. 1896.
- 7. The Occurrence of Artesian Water in Rocks other than Cretaceous. *Rec. Geol. Surv. N.S.W.* v. 1. 1896.
- PLETNER, W. Sur la Cartographie du District de l'Altaï. *Travaux Sec. géol. Cab. Sa Majesté, St.-Pétersb.* i. p. cv. 1895.
- POCOCK, R. I. See LYDEKKER, R., &c.
- POČTA, PHILIPPE. Parallèle entre les Dépôts Siluriens de la Bretagne et de la Bohême. *Bull. Soc. Études sci. Angers*, 1894 (1). 1895? A.C.
- POLWHELE, T. ROXBURGH. The Relation of other Sciences to Geology. [Presidential Address.] *Trans. R. Geol. Soc. Cornwall*, xii. 9. 1896.
- *POMEL, A. Carte géologique de l'Algérie. Paléontologie, Monographies. *Bubalus antiquus*. 4to. Algiers, 1893.
- * — 2. —. —. Caméliens et Cervidés. 4to. Algiers, 1893.
- * — 3. —. —. Bœufs-Taureaux. 4to. Algiers, 1894.
- * — 4. —. —. Les Bosélaphes Ray. 4to. Algiers, 1894.
- * — 5. —. —. Les Antilopes Pallas. 4to. Algiers, 1894.
- * — 6. —. —. Les Eléphants quaternaires. 4to. Algiers, 1895.
- * — 7. —. —. Les Rhinocéros quaternaires. 4to. Algiers, 1895.
- 8. Monographie des Eléphants quaternaires de l'Algérie. *C. R. Acad. Sci. Paris*, cxxiii. 975. 1896.
- 9. Les Rhinocéros quaternaires de l'Algérie. *C. R. Acad. Sci. Paris*, cxxiii. 977. 1896.
- *POMPECKJ, J. F. Beiträge zu einer Revision der Ammoniten des schwäbischen Jura. Lieferung II. *Lytoceras, Ectocentrites*. 8vo. Stuttgart, 1896.
- 2. —. IV. *Lytoceras*; V. *Ectocentrites*. *Jahresh. Ver. Naturk. Württ.* lii. *Abh.* 277. 1896.
- 3. Die Fauna des Cambrium von Tejrovič und Skrej in Böhmen. *Jahrb. k.-k. geol. Reichsanst.* 1896, 495. 1896.
- POPE, WILLIAM J. See FLOČK, A.
- POPOVICI-HATZEG, V. Les Couches nummulitiques d'Albesti (Roumanie). *Bull. Soc. géol. France*, ser. 3, xxiv. 247. 1896.
- PORRO, CESÀRE. Geognostische Skizze der Umgegend von Finero. *Zeitschr. deutsch. geol. Gesell.* xlviii. 377. 1895.
- *PORTIS, ALESSANDRO. Il Cigno fossile nelle Vicinanze di Roma. *Riv. ital. Paleont. Bologna*, ii. 158. 1896.
- POSEWITZ, THÉODOR. Die Umgebung von Alsó-Apsa und Dombó. *Jahresb. k.-ung. geol. Anst.* 1893, 42. 1895.
- POST, HAMPUS VON. On the Structure of the Different Layers of Eskers. *Bull. Geol. Inst. Univ. Upsala*, ii. 364. 1896.
- POTIER, —. See MICHEL-LÉVY, A., &c.
- POTONIÉ, H. Die Beziehung der Sphenophyllaceen zu Calamariaceen. *N. J. f. Min.* 1896, 141. 1896.
- 2. Die floristische Gliederung des deutschen Carbon und Perm. *Abh. k.-preuss. geol. Landesanst. n. F.*, Heft 21, 1. 1896.
- 3. —. *Zeitschr. f. prakt. Geol.* 1896, 446. 1896.
- POWELL, JOHN WESLEY. Fifteenth Annual Report of the United States Geological Survey, 1893-94. 8vo. Washington, 1895.
- (late Director), CHARLES D. WALCOTT (Director), GEORGE F. BECKER, ALFRED H. BROOKE, M. R. CAMPBELL, WHITMAN CROSS, NELSON H. DARTON, J. S. DILLER, R. E. DODGE, C. E. DUTTON, R. E. EDES, G. H. GILBERT, CHARLES WILLARD HAYES, ARTHUR KEITH, WALDEMAR LINDGREN, W. J. MCGEE, E. B. MATHUEWS, A. C. PEALE, R. PENROSE, JUN., H. W. TURNER, BAILEY WILLIS. *Geologic Atlas of the United States*.

- Sheet 7. Pikes' Peak (Col.). $\frac{1}{125,000}$ 1894; with Special Map of Cripple Creek. $\frac{1}{25,000}$ 1894.
13. Fredericksburg (Va.). $\frac{1}{125,000}$ 1894.
14. Staunton (Va.). $\frac{1}{125,000}$ 1894.
15. Lassen Peak (Cal.). $\frac{1}{250,000}$ 1895.
16. Knoxville (Tenn.). $\frac{1}{125,000}$ 1895.
17. Marysville (Cal.). $\frac{1}{125,000}$ 1895.
18. Smartsville (Cal.). $\frac{1}{125,000}$ 1895.
19. Stevenson (Ala.). $\frac{1}{125,000}$ 1895.
20. Cleveland (Tenn.). $\frac{1}{125,000}$ 1895.
21. Pikeville (Tenn.). $\frac{1}{125,000}$ 1895.
22. McMinnville (Tenn.). $\frac{1}{125,000}$ 1895.
23. Nomini Bay (Md. & Va.). $\frac{1}{125,000}$ 1896.
24. Three Forks (Mont.). $\frac{1}{250,000}$ 1896.
25. Loudon (Tenn.). $\frac{1}{125,000}$ 1896.
- *PRAEGER, R. LLOYD. Irish Caves. *Irish Naturalist*, v. 123. 1896.
- *— 2. A Submerged Pine-Forest. *Irish Naturalist*, v. 155. 1896.
- *PRATO, ALBERTO DEL. Asteroidei terziari del Parmense e del Reggiano. *Riv. ital. Paleont. Bologna*, ii. 1. 1896.
- *— 2. Delfinoide fossile del Parmense. *Riv. ital. Paleont. Bologna*, ii. 133. 1896.
- PRATT, J. H. On Northupite; Pirssonite, a new mineral; Gaylussite and Hanksite from Borax Lake, San Bernardino County, California. *Am. Journ. Sci.* ser. 4, 123. 1896.
- 2. Ueber Northupit, Pirssonit (ein neues Mineral), Gay-Lussit, und Hanksit vom Borax Lake, San Bernardino County, Californien. *Zeitschr. f. Kryst.* xxvii. 416. 1896.
- , See PENFIELD, S. L.
- PRELLER, C. S. DU RICHE. Glacial Deposits, Preglacial Valleys, and Interglacial Lake-Formations in Subalpine Switzerland. [Maps, Zürich Valley $\frac{1}{500,000}$, Baden and Turgi Basins $\frac{1}{187,500}$, Schindelleggi District $\frac{1}{187,500}$] *Q. J. G. S.* lii. 556. 1896. And A.C.
- 2. The Emptying of the Merjelen Glacier-Lake. *Engineering*, lxi. 77. 1896. A.C.
- 3. The Merjelen Lake (Aletsch Glacier). *Geol. Mag.* dec. 4, iii. 97. 1896. And A.C.
- 4. The Mineral Springs of the Baden District (Switzerland). *Geol. Mag.* dec. 4, iii. 149. 1896. And A.C.
- 5. The Ice Avalanche on the Gemmi Pass (Switzerland). *Geol. Mag.* dec. 4, iii. 193. 1896. And A.C.
- PREST, W. H. Deep Mining in Nova Scotia. *Proc. & Trans. Nova Scotian Inst. Sci.* viii. 420. 1895.
- PRETTO, OLINTO DE. La Degradazione delle Montagne e sua Influenza sui Ghiacciai. *Boll. Soc. geol. ital.* xiv. 232. 1896.
- PRICE, JOHN M., Jun. Rock Exposures about Atchison. *Trans. Kansas Acad. Sci.* xiv. 218. 1896.
- PRICE, R. ATKINSON. [Mineral Resources of New South Wales.] *Rep. Mining Conference, N.S.W.* 1896, 76. 1896.
- PRIEM, F. Sur les Poissons de la Craie phosphatée des Environs de Péronne (Somme). *Bull. Soc. géol. France*, ser. 3, xxiv. 9. 1896.
- 2. Sur des Dents de Poissons du Crétacé supérieur de France. *Bull. Soc. géol. France*, ser. 3, xxiv. 289. 1896.
- PRITCHARD, G. B. On the Present State of our Knowledge of the Older Tertiaries of Southern Australia. *Rep. Austral. Assoc. Adv. Sci.* 1895, vi. 348. 1896.
- PROESCHOLDT, H. Mittheilung über Revisionen und Aufnahmen im Eichsfeld. *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv. p. lxi. 1895.
- PROSSER, C. S. The Devonian Section of Central New York along the Unadilla River. *Ann. Rep. State Geologist, New York*, 1892, xii. 110. 1893.
- PROUD, JOSEPH. See WARD, C. D., &c.
- PROVIS, RICHARD. See KAYSER, H. W. F.
- PUIG Y LABRAZ, GABRIEL. Cavernas y Simas de España. *Bol. Com. Mapa geol. España*, 1894, ser. 2, i. 1. 1896.

- PUIG Y LABRAZ, GABRIEL. 2. Notas bibliográficas, 1893. *Bol. Com. Mapa geol. España*, 1894, ser. 2, i. 393. 1896.
- PUREY-CUST, H. E. Report on the Eruption of Ambrym Island, New Hebrides, S.W. Pacific, October and November, 1894. [Map.] 4to. London, 1896.
- 2. —. *Geogr. Journ.* viii. 585. 1896.
- PURSER, E. Iron from the Titaniferous Sand of New Zealand. *Trans. N.Z. Inst.* xxviii. 689. 1896.
- PUTNAM, G. R. Results of Recent Pendulum Observations. *Am. Journ. Sci.* ser. 4, i. 186. 1896.
- *PYCRAFT, W. P. The Wing of *Archaeopteryx*. *Nat. Sci.* viii. 261. 1896.
- QUEREAU, E. C. Ueber die Grenzzone zwischen Hochalpen und Freiburger Alpen im Bereiche des oberen Simmethales. *Ber. naturf. Gesell. Freiburg i. B.* ix. 122. 1894.
- *RADDE, G., & E. KOENIG. Der Nordfuss des Dagestan und das vorlagernde Tiefland bis zur Kuna. *Peterm. Mitt. Ergänzungsheft* no. 117. 1895.
- RAIMANN, E., & F. BERWERTH. Petrographische Mittheilungen:—Analyse des Alnöit von Alnö.—Dacituff-Concretionen in Dacituff. *Ann. k.-k. naturhist. Hofmus. Wien*, x. 75. 1895.
- RAIT, H. T. [The Extension of the Main Reef, westward of the Farm Witpoortje.] *Trans. Geol. Soc. S. Africa*, ii. 28. 1896.
- RALLI, G. Le Bassin houiller d'Héraclée. *Ann. Soc. géol. Belg. Liège*, xxiii. 151. 1896.
- RAMAGE, HUGH. See HARTLEY, W. N.
- RAMANN, F. Ueber Torf und Mineralkohlen. *Zeitschr. deutsch. geol. Gesell.* xlviii. 423. 1896.
- 2. The Origin of Coal Veins. [Abstract.] *Coll. Geol.* lxxii. 318. 1896.
- RAMMELSBERG, C. Ueber die chemische Natur des Vesuvians. *N. J. f. Min.* 1896, 157. 1896.
- 2. Zur Theorie der Plagioklasmischung. *N. J. f. Min.* 1896, 157. 1896.
- RAMOND, G. Géologie de l'Aqueduc de l'Avre (Dérivation, vers Paris, des Sources de la Vigne et de Verneuil). *Bull. Mus. Hist. nat. Paris*, 1896, 105. 1896.
- RAMSAY, ALEXANDER. The RA Series of Geological Time Charts, Nos. 1-3. London, 1896.
- RAMSAY, GEORGE S. The North-eastern Bituminous Coal Measures of the Appalachian System. *Trans. Am. Inst. M. E.* xxv. 76. 1896.
- RAMSAY, WILHELM. Till Frågan om det senglaciala Havvets Utbredning i södra Finland. [Map, 1 inch=32 miles.] *Bull. Comm. géol. Finlande*, no. 3, 1. 1896.
- 2. Urtit, ein basisches Endglied der Augitsyenit-Nephelinsyenit Serie. *Geol. Fören. Stockh. Förh.* xviii. 459. 1896.
- , & E. T. NYHOLM. Cancrinit-syenit und einige verwandte Gesteine aus Kuolajärvi. [Finland.] *Bull. Comm. géol. Finlande*, no. 1, 1. 1895.
- 2. —. *N. J. f. Min.* x. Beilage-Band, 440. 1896.
- RAMSAY, WILLIAM. Helium, a Gaseous Constituent of certain Minerals. *Proc. Roy. Soc.* lix. 325. 1896.
- RAND, THEO. D. Trap Dykes in Chester County, Pennsylvania. *Proc. Acad. Nat. Sci. Philad.* 1895, 540. 1896.
- RANDALL, F. A. Report on the Geology of Cattaraugus and Chautauqua Counties (N. Y.). *Ann. Rep. State Geologist, New York*, 1893, xiii. vol. i. 517. 1894.
- RANDS, WILLIAM H. Report [on the Eidsvold and Bower Bird, Cloncurry and Croydon Goldfields]. *Ann. Progr. Rep. Geol. Surv. Queensland*, 1895, 13. 1896.
- RANSOME, F. LESLIE. The Great Valley of California. A Criticism of the Theory of Isostasy. *Bull. Geol. Univ. Cal.* i. 371. 1896.
- , & C. PALACHE. Ueber Lawsonit, ein neues gesteinsbildendes Mineral aus Californien. *Zeitschr. f. Kryst.* xxv. 531. 1896.
- RAUFF, H. Ueber angebliche Organismenreste aus präcambrischen Schichten der Bretagne. *N. J. f. Min.* 1896, i. 117. 1896.
- RAULIN, V. Sur la Faune oligocène de Gaas (Landes). *Bull. Soc. géol. France*, ser. 3, xxiii. 546. 1896.
- READE, T. MELLARD. British Geology in Relation to Earth-folding and Faulting. *Geol. Mag.* dec. 4, ii. 557. 1895. A.C.
- 2. —. *Proc. Liverp. Geol. Soc.* vii. 363. 1896.
- 3. Change of Form by Expansion as an Element in Mountain-Building. *Geol. Mag.* dec. 4, iii. 351. 1896. And A.C.
- 4. Foraminiferal Boulder Clay at Great Crosby and at Blackpool. *Proc. Liverp. Geol. Soc.* vii. 387. 1896. And A.C.
- 5. Notes on the Drift of the Mid-Wales Coast. *Proc. Liverp. Geol. Soc.* vii. 410. 1896. And A.C.

- READE, T. MELLARD. 6. Oscillations in the Level of the Land as shown by the Buried River-Valleys and Later Deposits in the Neighbourhood of Liverpool. *Geol. Mag.* dec. 4, iii. 488. 1896. And A.C.
- 7. The Berwickshire Coast: a Study in Physical Geology. *Proc. Liverpool Geol. Soc.* vii. 420. 1896. And A.C.
- 8. The Present Aspect of Glacial Geology. *Geol. Mag.* dec. 4, iii. 542. 1896.
- REDLICH, KARL A. Ein Beitrag zur Kenntniss des Tertiärs im Bezirk Gorju (Rumänien). *Verh. k.-k. geol. Reichsanst.* 1895, 330. 1895.
- 2. Geologische Studien in Rumänien. *Verh. k.-k. geol. Reichsanst.* 1896, 77. 1896.
- 3. Ein *Ptychodus*-zahn (*Ptychodus granulosus*, n. sp.) im Wiener Sandstein von Hütteldorf. *Jahrb. k.-k. geol. Reichsanst.* 1896, 219. 1896.
- REED, F. R. COWPER. Notes on the Evolution of the Genus *Cheirurus*. *Geol. Mag.* dec. 4, iii. 117, 161. 1896.
- 2. The Fauna of the Keisley Limestone. Part I. *Q. J. G. S.* lii. 407. 1896.
- REGÁLIA, E. La prima *Nyctea nivea* quaternaria d'Italia. *Atti Soc. tosc. Sci. nat., Proc.-verb.* x. 110. 1896.
- REICHENAU, WILHELM VON. Der Alpensteinbock (*Capra ibex*, L.), ein Bewohner des Rheingaaues während der Glacialperiode. *N. J. f. Min.* 1896, i. 221. 1896.
- REICHENBACH, E. FREIH. STROMER VON. See STROMER VON REICHENBACH, E. FREIH.
- REID, CLEMENT. An Early English Neolithic Kitchen-midden and Tufaceous Deposit at Blashenwell, near Corfe Castle. *Proc. Dorset Nat. Hist. F.C.* xvii. 67. 1896. A.C.
- 2. The Eocene Deposits of Dorset. *Q. J. G. S.* lii. 490. 1896. And A.C.
- 3. The Relation of Palæolithic Man to the Glacial Epoch.—Report of the Committee appointed to Ascertain by Excavation at Hoxne the Relations of the Palæolithic Deposits to the Boulder Clay, and to the Deposits with Arctic and Temperate Plants. 8vo. [Brit. Assoc. Adv. Sci.] London, 1896. A.C.
- See STRAHAN, A.
- & AUBREY STRAHAN. Geological Survey of England and Wales. 1-inch Geological Map (New Series), Sheet 342. Weymouth (Drift). 1896.
- & H. N. RIDLEY. Further Notes on the Arctic and Palæolithic Deposits at Hoxne. *Rep. Brit. Assoc. Adv. Sci.* 1895, 679. 1895.
- REID, HARRY FEILDING. Notes on Glaciers. *Bull. Geol. Soc. Am.* vii. 508. 1896.
- REID, JAMES. Notes and Observations on the Landslip at Sandgate. *South Eastern Nat.* i. 158. 1896.
- See MACNAIR, P.
- REIS, OTTO M. Erläuterungen zu der geologischen Karte der Vorderalpenzone zwischen Bergen und Teisendorf. I. Stratigraphischer Theil. *Geogn. Jahresh. München.* viii. 1895, 1. 1896.
- *REISS, W., & A. STÜBEL. Reisen in Süd-Amerika. Das Hochgebirge der Republik Ecuador. II. Petrographische Untersuchungen. 2. Ost-Cordillere, Lief. 1. Die Berge des Ibarra-Beckens und der Cayambe, von ERNST ESCH. 4to. Berlin, 1896.
- REKSTAD, J. Mærker fra Istiden og postglacial Skjælbanker i Namdalen. [N. Trondhjem (Norway). Map, $\frac{1}{400,000}$]. *Nyt Mag. f. Naturvid.* xxxiv. 241. 18. 1895.
- REMY, —. Mining in the Brown Coal District of North-west Bohemia and the Pilsen (Hard) Coalfield. *Coll. Guard.* lxxi. 985. 1896.
- 2. Technische Einrichtungen bei dem Braunkohlenbergbau des nordwestlichen Böhmens und dem Steinkohlenbergbau des Pilsener Revieres. *Zeitschr. f. Berg-, Hütt. Salin.* xlv. 55. 1896.
- RENAULT, B. Études des Gîtes minéraux de la France. Bassin houiller et permien d'Autun et d'Épinac. Fasc. iv. Flore fossile, 2^e partie. Text. 4to. Paris. 1896.
- 2. Les Bactériacées de la Houille. *C. R. Acad. Sci. Paris*, cxxiii. 953. 1896.
- 3. Sur quelques Bactéries dévoniennes. *C. R. Acad. Sci. Paris*, cxxii. 1226. 1896.
- 4. Sur quelques nouvelles Espèces de Pilas. *Bull. Mus. Hist. nat. Paris*, 1896, 65. 1896.
- 5. Note sur l'Extension du genre *Pila* à différents Niveaux géologiques. *Bull. Mus. Hist. nat. Paris*, 1896, 104. 1896.
- 6. Note sur quelques nouvelles Bactéries fossiles. [*Bacillus*]. *Bull. Mus. Hist. nat. Paris*, 1896, 285. 1896.
- RENEVIER, E. See CHUARD, E., &c.

- REPÉLIN, —. Considérations stratigraphiques sur les Plissements de l'Ouarsenis [Algeria]. *Bull. Soc. géol. France*, ser. 3, 1895, xxiii. 160. 1895.
- , & J. BLAYAC. Feuille de Cahors. *Bull. Serv. Carte géol. France*, viii. (no. 53) 104. 1896.
- RETTGERS, J. W. Versuche zur Darstellung neuer schwerer Flüssigkeiten zur Mineraltrennung. I. Die Acetate der Schwermetalle als schwere Schmelzen. *N. J. f. Min.* 1896, i. 212. 1896.
- , See WULFF, L.
- REUSCH, HANS. Strandfladen, et nyt Træk i Norges Geographi. [Map, $\frac{1}{2,400,000}$.] *Norges geol. Undersög.* no. 14, 1. 1894.
- 2. Mellem Bygdin og Bang. *Norges geol. Undersög.* nos. 14, 15. 1894.
- 3. Har der existeret store, isdæmmede Indsjøer paa Østsiden af Langfjeldene? *Norges geol. Undersög.* no. 14, 51. 1894. And A.C.
- 4. Jordskjælv i Norge. *Vidensk.-Selsk. Forh. Christiania*, 1895, no. 10, 1. 1895. A.C.
- 5. Geologiske Iagttagelser fra Strøget i nord for Fæmundsjøen. [Map, $\frac{3}{100,000}$.] *Vidensk.-Selsk. Forh. Christiania*, 1896, no. 1, 1. 1896. A.C.
- 6. Geologiske Iagttagelser fra Telemarken, Indre Hardanger, Numedal og Hallingdal. [Map, $\frac{1}{800,000}$.] *Vidensk.-Selsk. Forh. Christiania*, 1896, no. 2, 1. 1896. A.C.
- RÉVIL, J. Feuille d'Albertville. *Bull. Serv. Carte géol. France*, viii. (no. 53) 188. 1896.
- , & H. DOUXAMI. Existence d'Assises qui appartiennent au Pontique dans la Vallée de Novalaise (Savoie). *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. cxvi. 1895.
- REYNOLDS, S. H. See LAKE, P.
- , & C. I. GARDINER. The Kildare Inlier. [Maps, 1 inch=1 mile, & 3 inches=1 mile.] *Q. J. G. S.* lii. 587. 1896.
- REYT, L. Sur la limite entre le Suessonien et le Parisien en Chalosse. *Actes Soc. Linn. Bordeaux*, xlviii. p. ii. 1895.
- RHOADS, SAMUEL N. Distribution of the American Bison in Pennsylvania, with Remarks on a new Fossil Species. [*Bison appalachicolus.*] *Proc. Acad. Nat. Sci. Philad.* 1895, 244. 1895.
- RIAZ, — DE. Étude sur les Etages jurassiques moyens et supérieurs des Cantons de Crémieu et de Morestel (Isère). *Bull. Soc. géol. France*, ser. 3, 1895, xxiii. 366. 1895.
- RICE, MARY A. See BAILEY, E. H. S.
- RICHARDS, SIR G. H. Report on the Present State of the Navigation of the River Mersey (1895), to the Right Honourable the Commissioners for the Conservancy of the Mersey. 8vo. London. 1896.
- RICHARDSON, E. W. An Expedition to Discover how Coral Islands Grow. *Knowledge*, xix. 178. 1896.
- RICHARDSON, RALPH. Old Edinburgh Geologists. *Trans. Edinb. Geol. Soc.* vii. 81. 1895.
- , Geological Sketch of the Excursion to Cockburnspath. *Hist. Berwicks. Nat. Club*, xv. 183. 1896.
- *RICHTER, E. Beobachtungen über Gletscherschwankungen in Norwegen 1895. *Peterm. Mitt.* xlii. 107. 1896.
- *RIDEWOOD, W. G. The Teeth of Fishes. *Nat. Sci.* viii. 380. 1896.
- RIDLEY, E. P. See NEWTON, E. T.
- RIDLEY, H. N. See REID, C.
- RIES, HEINRICH. On a Granite-Diorite near Harrison, Westchester County (N.Y.). *Trans. N.Y. Acad. Sci.* xiv. 80. 1895.
- 2. Technology of the Clay Industry. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 523. 1895.
- 3. The Monoclinic Pyroxenes of New York State. *Ann. N.Y. Acad. Sci.* ix. 124. 1896.
- , See LUQUEUR, L. MCI.
- RIIBER, CARL C. Norges Granitindustri. *Norges geol. Undersög.* no. 12, 1. 1893.
- RINNE, F. Ueber Diabasgesteine in mitteldevonischen Schiefem aus der Umgebung von Goslar am Harz. *N. J. f. Min.* x. Beilage-Band, 863. 1896.
- 2. Ueber die physikalisch-chemische Einwirkung von Schwefelsäure und Salzsäure auf Heulandit und über ein leicht zu gewinnendes, krystallisiertes Siliciumdioxid. *N. J. f. Min.* 1896, i. 139. 1896.
- RISTORI, G. Di un nuovo Chelonio fossile nel Miocene dell'Isola di Malta. *Atti Soc. tosc. Sci. nat.* xiv. Mem. 3. 1895.

- RITTER, ÉTIENNE. Feuille d'Albertville. *Bull. Serv. Carte géol. France*, viii. (no. 53) 190. 1896.
- See BERTRAND, M; see DUPARC, L.
- RIVA, CARLO. Le Rocce paleovulcaniche del Gruppo dell' Adamello. *Mem. R. Ist. lomb. Sci.* xvii. 159. 1896.
- RIVIÈRE, EMILE. L'Abri-sous-roche de la Source [Dordogne]. *C. R. Acad. Sci. Paris*, cxxii. 714. 1896.
- 2. La Grotte de La Mouthé. *C. R. Acad. Sci. Paris*, cxxiii. 543. 1896.
- See CHAUVET, G.
- ROBERTS, R. W. The Granite of the Mourne Mountains. *Journ. Liverpool Geol. Assoc.* xv. 33. 1895.
- ROBSON, J. T. See ATKINSON, J. B., &c.
- ROGON, J. VICTOR. Beitrag zur Kenntniss der Gattung *Ptychodus*. *Verh. russ.-k. min. Gesell.* ser. 2, xxxiii. 1. 1895.
- 2. Die Segmentirung am Primordialcranium der obersilurischen Thyestiden. *Verh. russ.-k. min. Gesell.* ser. 2, xxxiii. 17. 1895.
- RÖLKER, CHARLES M. The Production of Tin. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iii. 458. 1895.
- ROLLIER, LOUIS. Défense des Faciès du Malm (Jurassique supérieur). *Eclogæ Geol. Helv.* iv. 384. 1896.
- ROMAN, P. Note sur l'Eogène de la Région de Montpellier. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. cciii. 1895.
- 2. Feuille de Montpellier. *Bull. Serv. Carte géol. France*, viii. (no. 53) 117. 1896.
- 3. Le Miocène dans la Région de Montpellier. *Bull. Soc. géol. France*, ser. 3, xxiv. 30. 1896.
- ROMAN, FRANCISCO J. SAN. See SAN ROMAN, F. J.
- RÖMER, AUGUST. Verzeichniss der im Diluvialsande bei Mosbach vorkommenden Wirbelthiere. *Jahrb. nassauisch. Ver. f. Naturk.* xlvi. 185. 1895.
- 2. Ueber ein neues Vorkommen von *Megaceros giganteus*, Owen. *N. J. f. Min.* 1896, ii. 258. 1896.
- RONALDSON, J. M. See ATKINSON, J. B., &c.
- ROSEBERG, J. E. Några Dynbildningar på Bottniska Vikens Ostkust. [Map, East Coast of Gulf of Bothnia, $\frac{1}{400,000}$.] *Vet.-Meddel. geogr. Fören. Finland*, ii. 78. 1895.
- 2. Bottenvikens finska Deltan. [Maps, scales various.] *Vet.-Meddel. geogr. Fören. Finland*, ii. 103. 1895.
- 3. Vehkajokis och Summajokis Mynningar. [Map, Fredrickshamn District, Finland, $\frac{1}{100,000}$.] *Vet.-Meddel. geogr. Fören. Finland*, iii. 226. 1896.
- ROSENBERG-LIPINSKY, — von. Beiträge zur Kenntniss des Altenberger Erzbergbaues. [Map, $\frac{1}{100,000}$.] *Jahrb. k.-preuss. geol. Landesanst.* 1894, xv. *Abh. Ausserh.* 161. 1895.
- 2. Die Erzfunde und ihre Lagerstätten zwischen Görlitz und Niesky. *Zeitschr. f. prakt. Geol.* 1896, 213. 1896.
- ROSEBUSCH, H. Mikroskopische Physiographie und Mineralien und Gesteinsstudien. II. Band. Mikroskopische Physiographie der massigen Gesteine. Zweite Hälfte. 8vo. Stuttgart, 1896.
- ROSIWAL, AUGUST. Aus dem krystallinischen Gebiete zwischen Schwarzawa und Zwitawa [Moravia]. *Verh. k.-k. geol. Reichsanst.* 1895, 445. 1895.
- 2. Petrographische Notizen. I. Enstatitporphyrit und Porphyrituff aus den Karnischen Alpen (Val di San Pietro). *Verh. k.-k. geol. Reichsanst.* 1895, 436. 1895.
- 3. Petrographische Notizen. II. Ueber ein neues Basaltvorkommen (Nephelinbasanit) bei Marienbad, nebst einigen Bemerkungen über den Nephelinbasalt vom Podhornberge. *Verh. k.-k. geol. Reichsanst.* 1896, 63. 1896.
- 4. Vorlage und Besprechung einer neuen Suite von Gesteins- und Erzproben aus Cinque Valli in Südtirol. *Verh. k.-k. geol. Reichsanst.* 1896, 144. 1896.
- 5. Schlussergebnisse der Aufnahme des krystallinischen Gebietes im Kartenblatte Brisau und Gewitsch. *Verh. k.-k. geol. Reichsanst.* 1896, 176. 1896.
- ROSSEL, —. Les Diamants de l'Acier. *C. R. Acad. Sci. Paris*, cxxiii. 113. 1896.
- ROTH, SANTIAGO. Rectificaciones sobre la Denticion del *Toxodon*. *Rev. Mus. La Plata*, vi. 335. 1895.
- ROUSSEL, JOSEPH. Étude stratigraphique des Pyrénées. Thèses. [Map, $\frac{1}{320,000}$.] 8vo. Paris, 1893. A.C.
- 2. Description de la Formation secondaire et tertiaire d'Amélie-les-Bains. *C. R. Soc. géol. France*, 1895, ser. 3, xxxiii. p. xxv. 1895.

- ROUSSEL, JOSEPH. 3. Note sur la Découverte du Ligérien à Céphalopodes dans les Environs de Padern (Pyrénées-Orientales). *Bull. Soc. géol. France*, ser. 3, xxiii. 92. 1895.
- 4. La Stratigraphie des Pyrénées. *Rev. Sci. Paris*, ser. 4, iv. 783. 1895.
- 5. Étude stratigraphique des Massifs montagneux du Canigou et de l'Albère. *Bull. Serv. Carte géol. France*, viii. (no. 52) 1. 1896.
- 6. —. *Bull. Serv. Carte géol. France*, viii. (no. 53) 139. 1896.
- ROUTLEDGE, R. M. The Falkland Islands. *Scot. Geogr. Mag.* xii. 241. 1895.
- ROUVILLE, P. G. DE. Un mot sur la Classification du Pliocène. *C. R. Soc. géol. France*, ser. 3, xxiii. p. xxxix. 1895.
- 2. Sur la Tectonique de l'Hérault. *Bull. Soc. géol. France*, ser. 3, xxiii. 288. 1895.
- 3. Note sur le Terrain tertiaire de la Région de Montpellier. *Bull. Soc. géol. France*, ser. 3, xxiv. 83. 1896.
- 4. Tableaux des Terrains qui composent le Sol de l'Hérault. *Bull. Soc. géol. France*, ser. 3, xxiv. 250. 1896.
- , A. DELAGE, & — MIQUEL. À propos d'une Note récente de M. BERGERON (Sur l'Allure des Couches dans le Voisinage des Plis tertiaires de Saint-Chinian). *C. R. Soc. géol. France*, ser. 3, xxiii. p. lxxviii. 1895.
- ROVERETO, G. See PARONA, C. F.
- *ROWE, ARTHUR W. The Preparation and Mounting of Chalk Fossils. *Nat. Sci.* ix. 303. 1896.
- , & J. FRENCH. The Geology of Felsted. *Rep. Felsted School Sci. Soc.* 1894 & 1895, 29. 1896.
- *RUDOLPH, E. Die Erdbeben der Insel Zante im Jahre 1893. *Peterm. Mitt.* xlii. 120. 1896.
- *RUEDEMANN, R. Note on the Discovery of a Sessile *Comularia*. I. *Am. Geol.* xvii. 158. 1896.
- *— 2. —. II. *Am. Geol.* xviii. 65. 1896.
- RUSSELL, ISRAEL C. Igneous Intrusions in the Neighbourhood of the Black Hills of Dakota. *Journ. Geol. Chicago*, iv. 23. 1896.
- 2. On the Nature of Igneous Intrusions. *Journ. Geol. Chicago*, iv. 176. 1896.
- RUTLEY, FRANK. Mineralogy. 8th edition. 8vo. London, 1896.
- 2. On the Alteration of certain Basic Eruptive Rocks from Brent Tor, Devon. [Abstract.] *Q. J. G. S.* lii. 66. 1896.
- RUTOT, A. Essai de Synchronisme des Couches maastrichtiennes et séroniennes de Belgique, du Limbourg Hollandais et des environs d'Aix-la-Chapelle. *Bull. Soc. belge Géol. Brux.* viii. *Mém.* 145. 1896.
- 2. Montien et Maastrichtien. *Bull. Soc. belge Géol. Brux.* viii. *Mém.* 187. 1896.
- 3. Sur les Couches rencontrées lors de l'Approfondissement du Puits de l'Hôtel des Chemins de Fer, à Bruxelles, entre les profondeurs de 124^m. 3 et 139^m. 40. *Bull. Soc. belge Géol. Brux.* viii. *Proc.-verb.* 256. 1896. [See LAHAYE, C.]
- RYAN, E. Undersøgelse af nogle Torvprøver. *Norges geol. Undersøg.* no. 14, 100. 1895.
- RZEHA, A. Das Alter des Pausramer Mergels. *Verh. k.-k. geol. Reichsanst.* 1895, 363. 1895.
- 2. Ueber einige Aufschlüsse längs der im Bau begriffenen Eisenbahn Saitz-Czeitsch. *Verh. k.-k. geol. Reichsanst.* 1896, 286. 1896.
- 3. Ueber einige merkwürdige Foraminiferen aus dem österreichischen Tertiär. *Ann. k.-k. naturhist. Hofmus. Wien*, x. 213. 1895.
- 4. Ueber ein neues Vorkommen von *Oncophora*-Schichten in Mähren. *Verh. k.-k. geol. Reichsanst.* 1895, 334. 1895.
- SABATINI, V. Sull' attuale Eruzione del Vesuvio. *Boll. R. Com. geol. Ital.* xxvi. 149. 1895.
- 2. Relazione del Lavoro eseguito nel Biennio 1893-94 sui Vulcani dell' Italia centrale e i loro Prodotti. *Boll. R. Com. geol. Ital.* xxvi. 325. 1895.
- 3. Sopra alcune Rocce della Colonia Eritrea. *Boll. R. Com. geol. Ital.* xxvi. 459. 1895.
- 4. Sull' Origine del Felspato nelle Leucititi laziali. *Boll. Soc. geol. ital.* xv. 70. 1896.
- SACCO, FEDERICO. I Coccodrilli del Monte Bolca. *Mem. R. Acc. Sci. Torino*, ser. 2, xlv. 75. 1896.
- 2. L'Appennino settentrionale. Parte iii. La Toscana. *Boll. Soc. geol. ital.* xiv. 186. 1896.
- *— 3. Le Rhinocéros de Dusino [près de Villafranca d'Asti, Piémont] (*Rhinoceros etruscus*, Falc., var. *astensis*, Sacc.). *Arch. Mus. Hist. nat. Lyon*, vi. no. 3, 1. 1895.

- *SADERRA MASÓ, P. MIGUEL. La Seismologia en Filipinas. Fol. Manila, 1895.
- *SAFFORD, JAMES M. A New and Important Source of Phosphate Rock in Tennessee. *Am. Geol.* xviii. 261. 1896.
- SAISE, WALTER. See HOLLAND, T. H.
- SALISBURY, ROLLIN D. The Greenland Expedition of 1895. *Journ. Geol. Chicago*, iii. 875. 1895.
- 2. Salient Points concerning the Glacial Geology of North Greenland. *Journ. Geol. Chicago*, iv. 769. 1896.
- SALOMON, GUGLIELMO. Wernerite (Dipiro) di Breno. *Rendic. R. Ist. lomb. Sci. ser. 2*, xxviii. 763. 1895.
- SALTER, A. E. 'Pebble Gravel' from Goring Gap to the Norfolk Coast. *Proc. Geol. Assoc.* xiv. 389. 1896.
- 2. Excursion to Potter's Bar and Hatfield. *Proc. Geol. Assoc.* xiv. 420. 1896.
- SAN ROMAN, F. J. Los Congresos internacionales de Jeología. *Congr. cient. jeneral Chileno*, 1894, 214. 1895.
- SANDBERGER, F. VON. Bemerkungen über eine Kalktuff-Ablagerung im Becken von Wiesbaden. *Jahrb. nassauisch. Ver. f. Naturk.* xviii. 95. 1895.
- *SANGIORGI, DOMENICO. Il Tortoniano dell' alta Valle dell' Idice. *Riv. ital. Paleont. Bologna*, ii. 173. 1896.
- SAPPER, CARL. Dampfquellen und Schlammvulkane in S. Salvador. *Zeitschr. deutsch. geol. Gesell.* xlviii. 14. 1896.
- 2. Sobre la Geografía física y la Geología de la Península de Yucatán. [Maps, $\frac{1}{1,000,000}$ and $\frac{1}{500,000}$.] *Bol. Inst. geol. México*, no. 3, 1. 1896.
- SARDESÓN, F. W. Ueber die Beziehungen der fossilen Tabulaten zu den Alcyonariën. *N. J. f. Min.* x. Beilage-Band, 249. 1896.
- SAUVAGE, H. E. Les Crocodiliens et les Dinosauriens des Terrains mésozoïques du Portugal. *Bull. Soc. géol. France*, ser. 3, xxiv. 46. 1896.
- 2. Sur un Ophidien des Terrains crétaïques du Portugal. *C. R. Acad. Sci. Paris*, cxvii. 251. 1896.
- SAVALLE, E. État des Falaises de Sainte-Adresse à Saint-Jouin (Hiver 1891–92). *Bull. Soc. géol. Norm.* xvi. 70. 1896.
- SAWYER, A. R. [The Extension of the Main Reef, westward of the Farm Witpoortje.] [Map.] *Trans. Geol. Soc. S. Africa*, ii. 15. 1896.
- SAYN, G. Feuille de Valence. *Bull. Serv. Carte géol. France*, viii. (no. 53) 121. 1896.
- SCHAFARZIK, FRANZ. Ueber die geologischen Verhältnisse von Bogoltin, sowie des oberen, rechten Cserna-Ufers. *Jahresb. k.-ung. geol. Anst.* 1893, 126. 1895.
- 2. Geologische Notizen aus Griechenland. *Jahresb. k.-ung. geol. Anst.* 1893, 193. 1895.
- 3. Vorlage der von der Wiener k.-k. geologischen Reichsanstalt in Farbendruck herausgegebenen Probeblätter. *Földt. Közl.* xxvi. 28, 98. 1896.
- SCHARDT, H. Nouveaux Gisements du Terrain céomanien et du Gault dans la Vallée de Joux. [Abstract.] *Eclogæ Geol. Helv.* iv. 375. 1896.
- 2. L'Age de la Marné à Bryozoaires et la Coupe du Néocomien du Collaz près Ste-Croix. [Abstract.] *Eclogæ Geol. Helv.* iv. 379. 1896.
- See CHUARD, É., &c.
- & E. BAUMBERGER. Études sur l'Origine des Poches hauteriviennes dans le Valangien inférieur, entre Gléresse et Bienne (Jura bernois). *Bull. Soc. vaud. Sci. nat.* ser. 4, xxxi. 247. 1895.
- SCHAUDINN, F. Ueber den Dimorphismus der Foraminiferen. *Sitz. Gesell. naturf. Freunde, Berlin*, 1895, 87. 1895.
- SCHAW, —. Antarctic Research. *Trans. N. Z. Inst.* xxviii. 62. 1896.
- SCHENK, ADOLPH. On Glacial Phenomena in South Africa. *Trans. Geol. Soc. S. Africa*, i. 129. 1896.
- SCHICKENDANTZ, FEDERICO. Análisis químicas del Laboratorio del Museo de La Plata. *Rev. Mus. La Plata*, vii. 1. 1895.
- SCHIÖTZ, O. E. Nogle Iagttagelser over Isens Bevægelse i Fjeldstrækningen östenfor Storsjöen i Rendalen. [Hedemarken, Norway.] *Nyt Mag. f. Naturvid.* xxxiv. 1. 1893.
- 2. Om Öiegnisen i Sparagmitfjeldet. *Nyt Mag. f. Naturvid.* xxxiv. 7. 1893.
- SCHLOSSER, MAX. Zur Geologie von Nordtirol. *Verh. k.-k. geol. Reichsanst.* 1895, 339. 1895.
- 2. Höhlenstudien und Ausgrabungen bei Velburg in der Oberpfalz. *N. J. f. Min.* 1896, 187. 1896.
- SCHLÜTER, CLEMENT. Echinodermes fossiles de l'Allemagne du Nord. Echinoides (1^{re} partie). *Bull. Soc. géol. Norm.* xvi. 47. 1896.

- SCHMEISSER, CARL. Die gegenwärtige Lage des Goldbergbaues in Westaustralien. [Map, scale 1 inch=175 miles.] *Zeitschr. f. prakt. Geol.* 1896, 174. 1896.
- SCHMIDT, C. Géologie de Zermatt et sa Situation dans le Système Alpin. [Abstract.] *Eclogæ Geol. Helv.* iv. 361. 1896.
- 2. Géologie du Massif du Simplon. [Abstract.] *Eclogæ Geol. Helv.* iv. 367. 1896.
- *— 3. Ludwig Rüttimeyer als Gebirgsforscher. *Jahrb. Schw.-Alpenclub*, xxxi. 284. 1896.
- SCHMITZ, E. J. A Section of Rich Patch Mountain at Iron Gate (Va.). *Trans. Am. Inst. M. E.* xxv. 477. 1896.
- SCHMITZ, R. P. G. Standing Tree-trunks in a Liège Colliery. *Coll. Guard.* lxxii. 837. 1896.
- 2. The Geological Signification of Upstanding Tree-trunks found in the Coal Measures. *Coll. Guard.* lxxii. 982. 1896.
- 3. Découverte de Troncs-debout dans un Carbonnage (Bois d' Avroy, Ougrée, Liège). *Ann. Soc. géol. Belg. Liège*, xxiii. p. xlvi. 1896.
- 4. Trois Souches d'Arbre au Mur de la Veine Castagnette. *Ann. Soc. géol. Belg. Liège*, xxiii. p. lxix. 1896.
- *SCHNEER, J., & VON STEIN-NOEDHEIM. Der Vesuv und seine Geschichte von 79 n. Chr.—1894. 2nd Edition. 8vo. Karlsruhe, 1895.
- *SCHNEIDER, CARL CAMILLO. Geologie der Ponzaiusel. *Min. petr. Mitth.* n. F. xvi. 65. 1896.
- 2. Das Vorkommen und die Verarbeitung des Meerschaums. *Jahresb. Ver. Erdk. Dresden*, xxv. 31. 1896.
- SCHOFIELD, J. A. See DAVID, T. W. E.
- SCHROEDER VAN DER KOLK, J. L. C. Die niederländische geologische Karte. *Zeitschr. f. prakt. Geol.* 1896, 129. 1896.
- 2. Beispiel einer praktischen Verwendung der Gehaltbestimmung quartärer Sande. *Zeitschr. f. prakt. Geol.* 1896, 193. 1896.
- 3. Beiträge zur Kenntniss der Gesteine aus den Molukken. I. Gesteine von Ambon und den Uliassern. *N. J. f. Min.* 1896, i. 152. 1896.
- *— 4. Mikroskopische Studien über Gesteine aus den Molukken. *Samml. geol. Reichs-Mus. Leiden*, no. 21^b & 22, p. 70. 1896.
- 5. Mikroskopische Studien über Gesteine aus den Molukken.—I. Gesteine von Ambon und den Uliassern. *Jaarb. Mijnw. Ned. O.-Ind.* 1895, xxiv. 1. 1896.
- SCHRÖTTER, HERMANN VON. Ein neues Vorkommen von Flussspath in Niederösterreich. *Verh. k.-k. geol. Reichsanst.* 1896, 287. 1896.
- SCHULTE, A. DE. Reproduction artificielle de l'Hydrargillite. *Bull. Soc. franç. Min.* xix. 157. 1896.
- 2. Sur la Reproduction artificielle de la Darapskite. *Bull. Soc. franç. Min.* xix. 161. 1896.
- 3. Production artificielle du Chlorocarbonate de Sodium et de Magnésium. *Bull. Soc. franç. Min.* xix. 164. 1896.
- 4. Reproduction artificielle de la Pirssonite. Reproduction simultanée de la Northupite, de la Gaylussite et de la Pirssonite. *C. R. Acad. Sci. Paris*, cxxiii. 1023. 1896.
- SCHULZ-BRIESEN, M. Die Flötlagerung in der Emscher Mulde des Ruhr-Steinkohlenbeckens, unter besonderer Berücksichtigung der hangendsten Flötzgruppe, auf Grund der Aufschlüsse durch den Bergbau bis zum Jahre 1894. [Map $\frac{1}{45,000}$, and Sections.] *Zeitschr. f. Berg-, Hütt.-Salin.* xlv. 12. 1896.
- SCHULZE, E. Ordnung der Mineralien nach dem periodischen System der Elemente. *Zeitschr. f. Kryst.* xxvi. 189. 1896.
- SCHWARZMANN, M. Hilfsmittel, um die Ausrechnung der Mallard'schen Formel zu ersparen. *N. J. f. Min.* 1896, i. 52. 1896.
- SCHWEINITZ, E. A. DE. A Meteorite from Forsyth Co., North Carolina. *Am. Journ. Sci.* ser. 4, i. 208. 1896.
- SCHWIPPEL, C. Coal in Austria-Hungary. *Coll. Guard.* lxxi. 356. 1896.
- SCLATER, W. L. The Geography of Mammals. *Geogr. Journ.* vii. 282, viii. 378. 1896.
- SCOTT, D. H. See WILLIAMSON, W. C.
- SCOTT, W. B. *Protophychus Hatcheri*, a New Rodent from the Uinta Eocene. *Proc. Acad. Nat. Sci. Philad.* 1895, 269. 1895.
- 2. On the Tertiary Lacustrine Formations of North America. *Rep. Brit. Assoc. Adv. Sci.* 1895, 681. 1895.
- 3. On the Creodonta. *Rep. Brit. Assoc. Adv. Sci.* 1895, 719. 1895.

- SCOTT, W. BEATTIE. See ATKINSON, J. B., &c.
- SCUDDER, SAMUEL HUBBARD. A Caddis-Fly from the *Leda*-Clays of the Vicinity of Ottawa, Canada. *Canad. Rec. Sci.* vi. 276. 1895.
- 2. Contributions to Canadian Palæontology. Vol. ii. Part 1. Canadian Fossil Insects. *Geol. Surv. Canada, Contrib. Canad. Palæ.* 1895.
- 3. Revision of the American Fossil Cockroaches, with Descriptions of New Forms. *Bull. U.S. Geol. Surv.* no. 124, 3. 1895.
- 4. The European Species of *Etblattina*, with Description of a New Form. *Geol. Mag.* dec. 4, iii. 10. 1896.
- SCUPIN, H. Versuch einer Classification der Gattung *Spirifer*. *N. J. f. Min.* 1896, ii. 239. 1896.
- SEDERHOLM, J. J. Beskrifning till Kartbladen no. 30 & 31, Raivola och Systerbäck. [Map, $\frac{1}{200,000}$.] *Finlands geol. Undersökn.* 1895.
- 2. Om Maltesit, en kiastolitartad Andalusitvarietet från östra Finland. *Geol. Fören. Stockh. Förh.* xviii. 390. 1896.
- 3. Ueber einen metamorphosirten präcambrischen Quarzporphyr von Karvia in der Provinz Abo. *Bull. Comm. géol. Finlande*, no. 2, 1. 1895.
- 4. Några iakttagelser rörande Yoldiahafvets högsta Strandlinier. *Bull. Comm. géol. Finlande*, no. 3, 36. 1896.
- SEELEY, H. G. Note on the Skeleton of *Pareiasaurus Baini*. *Geol. Mag.* dec. 4, ii. 1. 1895. A.C.
- 2. On a Pyritous Concretion from the Lias of Whitby, which appears to show the External Form of the Body of Embryos of a Species of *Plesiosaurus*. *Ann. Rep. Yorks Phil. Soc.* 1895, 20. 1896.
- 3. Researches on the Structure, Organisation, and Classification of the Fossil Reptilia.—Part X. On the complete Skeleton of an Anomodont Reptile (*Aristodesmus Rüttimeyeri*, Wiedersheim) from the Bunter Sandstone of Reichen, near Basel, giving new Evidence of the Relation of the Anomodontia to the Monotremata. *Proc. Roy. Soc.* lix. 167. 1896.
- SELLHEIM, P. F. General Report on the Mining Industry of Queensland for the year 1895. *Depart. Mines, Queensland*. [Svo.] 1896.
- SEMPER, MAX. Das paläothermale Problem, speciell die klimatischen Verhältnisse des Eocän in Europa und im Polargebiet. *Zeitschr. deutsch. geol. Gesell.* xlviii. 261. 1896.
- SENA, J. DA COSTA. See COSTA-SENA, J. DA.
- SENGBUSCH, ALEXANDER VON. Ein Limonitlager. [Oesel.] *Sitz. naturf. Gesell. Dorpat*, xi. 60. 1895.
- SERNANDER, RUTGER. Studier öfver den Gotländska Vegetationens Utvecklings-historia. Svo. Upsala, 1894.
- , & KNUT KJELLMARK. Eine Torfmooruntersuchung aus dem nördlichen Nerike. *Bull. Geol. Inst. Univ. Upsala*, ii. 317, 1896. And A.C.
- SESTINI, FAUSTO. Saggio dell' Idrologia del Monte Amiata. *Atti Soc. tosc. Sci. nat., Proc. verb.* x. 80. 1896.
- SEUNES, —. Feuilles de Lux, Urdos, Tarbes et Mauléon. *Bull. Serv. Carte géol. France*, viii. (no. 53) 139.
- SEWARD, A. C. Catalogue of the Mesozoic Plants in the Department of Geology, British Museum (Natural History). The Wealden Flora. Part II. Gymnospermæ. Svo. London, 1895.
- 2. A New Species of Conifer, *Pinites Ruffordi*, from the Wealden Formation. *Journ. Linn. Soc., Bot.* xxxii. 417. 1896.
- 3. A New Cycad from the Isle of Portland. *Geol. Mag.* dec. 4, iii. 518. 1896.
- *— 4. An Extinct Plant of Doubtful Affinity. *Sci. Progr.* v. 427. 1896.
- 5. Note on a Large Specimen of *Lyginodendron*. *Geol. Mag.* dec. 4, iii. 518. 1896.
- 6. Note on some Fossil Plants from South Africa. *Geol. Mag.* dec. 4, iii. 519. 1896.
- 7. Notes on the Geological History of Monocotyledons. *Ann. Botany*, x. 205. 1896. A.C.
- 8. —. *Proc. Camb. Phil. Soc.* ix. (1). 1896. A.C.
- *— 9. Palæobotany and Evolution. *Sci. Progr.* n. s. i. 108. 1896.
- SHALER, NATHANIEL SOUTHGATE. Relations of Geologic Science to Education. *Bull. Geol. Soc. Am.* vii. 315. 1896.
- 2. —. *Science*, n. s. iii. 609. 1896. A.C.
- 3. Preliminary Report on the Geology of the Common Roads of the United States. *Ann. Rep. U.S. Geol. Surv.* 1893-94, xv. 259. 1895.
- 4. Origin, Distribution, and Commercial Value of Peat Deposits. *Ann. Rep. U.S. Geol. Surv.* 1894-95, xvi. pt. iv. 305. 1895.

- SHALER, NATHANIEL SOUTHGATE. 5. The Geology of the Road-building Stones of Massachusetts, with some Consideration of Similar Materials from Other Parts of the United States. *Ann. Rep. U.S. Geol. Surv.* 1894-95, xvi. pt. ii. 277. 1895.
- 6. The Share of Volcanic Dust and Pumice in Marine Deposits. *Bull. Geol. Soc. Am.* vii. 490. 1896.
- *SHALER, WILLIAM HENRY. Geological Biology: an Introduction to the Geological History of Organisms. 8vo. New York, 1895.
- SHARMAN, G., & E. T. NEWTON. Note on some Cretaceous Fossils from the Drift of Moresat, Aberdeen. *Geol. Mag.* dec. 4, iii. 247. 1896.
- , — 2. Note on some Fossils from Seymour Island, in the Antarctic Regions, obtained by Dr. Donald. *Trans. Roy. Soc. Edinb.* xxxviii. 707. 1895. And A.C.
- SHAW, FREDERICK GEORGE. The Goldfields of Matabeleland. *Trans. Fed. Inst. M. E.* xi. 29. 1896.
- 2. Report on the Goldfields of Matabeleland. [Map, scale 4 inches = 50 miles.] 8vo. London, 1896.
- *SHEPPARD, THOMAS. On the Occurrence of Scandinavian Boulders in England. *Glac. Mag.* iii. 129. 1895. And A.C.
- 2. Notes on the Occurrence of Boulders of Shap Granite, etc., in Lincolnshire. *Naturalist*, 1896, 333. 1896. A.C.
- 3. Lincolnshire Boulders. *Naturalist*, 1896, 373. 1896. A.C.
- 4. On another Section in the so-called Inter-glacial Gravels of Holderness. *Proc. Yorks Geol. Soc.* n. s. xiii. 1. 1896. And A.C.
- See MUFF, H.
- SHERBORN, CHARLES DAVIES. An Index to the Genera and Species of the Foraminifera.—Part II. Non to Z. *Smithsonian Misc. Coll.* vol. xxxvii. no. 1031. 8vo. 1896.
- See JONES, T. R.
- SHERZER, W. H. Platynemic Man in New York. *Ann. Rep. State Geologist, New York*, 1893, xiii. vol. ii. 659. 1894.
- SHIPLEY, THOMAS B. The Heidelberg Coalfield (S.A.R.). [Map, 1 inch = 9 miles.] *Coll. Guard.* lxvii. 1013. 1896.
- SHIPMAN, J. The Geology of Stapleford and Sandiacre. [Map, 6 inches = 1 mile.] *Ann. Rep. Notts Nat. Soc.* xxxix. 10. 1891.
- 2. The Coal Measures of the Leen Valley. *Ann. Rep. Notts Nat. Soc.* lxx. 30. 1895.
- SHUFELDT, R. W. On the Affinities of *Harpagornis*. *Trans. N.Z. Inst.* xxviii. 665. 1896.
- SIBIRZEV, N. Allgemeine geologische Karte von Russland. Blatt 72. Wladimir, Nishny-Nowgorod, Murom. Geologische Untersuchungen im Bassin der unteren Oka und unteren Khasma. [Map, $\frac{1}{220,000}$] *Mém. Com. géol. Russie*, xv. no. 2, 1. 1896.
- SIEGER, ROBERT. Flottholmen i Sjön Ralängen (Jönköping Län) och Vattenståndets Oscillationer. *Sver. geol. Undersökn. Afh.* ser. C, no. 138, 1. 1894.
- 2. Formation des Causses dans les Glaciers (Karstformen der Gletscher). [Abstract.] *Eclogæ Geol. Helv.* iv. 377. 1896.
- SIEGERT, TH. Section Zittau—Oderwitz, Blatt 88. *Erläut. geol. Specialkarte, Sachsen*, Blatt 85. 1895. And Map, $\frac{1}{25,000}$.
- *SIEVERS, W. Karten zur physikalischen Geographie von Venezuela. I. Geologische und tektonische Karte. [Map of Northern Venezuela, $\frac{1}{3,000,000}$] *Peterm. Mitt.* xlii. 125. 1896.
- *— 2. —. II. Höhenschichtenkarte. *Peterm. Mitt.* xlii. 149. 1896.
- *SIGMUND, ALOIS. Die Basalte der Steiermark. *Min. petr. Mitth.* n. F. xv. 361. 1896.
- *— 2. —. *Min. petr. Mitth.* n. F. xvi. 337. 1896.
- *SIMONELLI, VITTORIO. Fossili tortoniani di Castelnuovo ne' Monti (Provincia di Reggio, Emilia). *Riv. ital. Paleont. Bologna*, ii. 256. 1896.
- *— 2. Gli Antozoi pliocenici del Ponticello di Savena presso Bologna. *Palaontographia italica*, 1895, i. 149. 1896.
- 3. Intorno agli Avanzi di Coccodrilliano scoperti a San Valentino (Provincia di Reggio, Emilia) nel 1886. *Atti R. Accad. Lincei*, ser. 5, *Rendic.* 1896, v. sem. 2, 18. 1896.
- 4. Sopra due nuovi Pteropodi delle Argille di Sivizzano nel Parmense. *Boll. Soc. geol. ital.* xv. 182. 1896.
- SIMPSON, GEORGE B. A Discussion of the Different Genera of Fenestellidae. *Ann. Rep. State Geologist, New York*, 1893, xiii. vol. ii. 683. 1894.

- SIMPSON, GEORGE B. 2. Glossary and Explanations of Specific Names of Bryozoa and Corals described in vol. vi, Palæontology of New York and other Reports. *Ann. Rep. State Geologist, New York, 1893*, xiii. vol. ii. 729. 1894.
- . See BRADY, F.
- SJÖGREN, H. J. Om Sulitelma-området Bergarter och Tektonik. *Geol. Fören. Stockh. Förh.* xviii. 346. 1896.
- SKEAT, ETHEL G. See CROSFIELD, MARGARET C.
- SKELLON, T. See WARD, C. D., &c.
- SLEE, W. H. J. Chief Inspector of Mines' Report. *Ann. Rep. Depart. Mines, N.S.W. 1895*, 80. 1896.
- 2. Diamond Drills Report. [Captain's Flat.] *Ann. Rep. Depart. Mines, N.S.W. 1895*, 92. 1896.
- 3. [Mineral Deposits, &c. in New South Wales.] *Rep. Mining Conference, N.S.W. 1896*, 6. 1896.
- . See HUTCHINSON, F., &c.
- SLOUDSKY, TH. De la Rotation de la Terre supposée fluide à son Intérieur. *Bull. Soc. Imp. Nat. Moscou, 1896*, x. 162. 1896.
- SMALL, E. W. See HOWARD, F. T.
- SMEETH, W. F. See DAVID, T. W. E.; see TATE, RALPH, &c.
- SMITH, A. DONALDSON. Expedition through Somaliland to Lake Rudolf. *Geogr. Journ.* viii. 120. 1896.
- SMITH, A. D. W. See LESLEY, J. P.
- SMITH, B. B. The Topeka Coal Hole. *Trans. Kansas Acad. Sci.* xiv. 207. 1896.
- 2. The Terminal Boulder Belt in Shawnee County. [Map.] *Trans. Kansas Acad. Sci.* xiv. 220. 1896.
- SMITH, EDGAR A. See LYDEKKER, R., &c.
- SMITH, EUGENE A. (State Geologist), WILLIAM M. BREWER, G. W. HAWES, & J. MORGAN CLEMENTS. A Preliminary Report on the Mineral Resources of the Upper Gold Belt; with Supplementary Notes on the Most Important Varieties of the Crystalline or Metamorphic Rocks of Alabama, and of the Mode of Occurrence of the Gold Ores. *Alabama Geol. Surv., Bull.* no. 5. 1896.
- 2. The Phosphates and Marls of Alabama. *Trans. Am. Inst. M. E.* xxv. 811. 1896.
- 3. — . *Coll. Guard.* lxxi. 513. 1896.
- SMITH, GEORGE. The Ore Deposits of the Broken Hill Consols Mine, N.S.W. *Coll. Guard.* lxxi. 609. 1896.
- SMITH, JAMES PERRIN. Classification of Marine Trias. *Journ. Geol. Chicago*, iv. 385. 1896.
- SMITH, JOHN. The Great Submergence: an Interpretation of the Clava Section, near Inverness, Scotland. *Geol. Mag.* dec. 4, iii. 497. 1896.
- SMITH, SYDNEY (Minister for Mines and Agriculture, N.S.W.). Mining Conference. Opening Address. *Rep. Mining Conference, N.S.W. 1896*, 1. 1896.
- SMITH, S. PERCY. Volcanic Activity in Sunday Island in 1814. *Trans. N.Z. Inst.* xxviii. 47. 1896.
- SMYTH, C. H., JUN. Report on the Geology of Four Townships in St. Lawrence and Jefferson Counties (N.Y.). *Ann. Rep. State Geologist, New York, 1893*, xiii. vol. i. 491. 1894.
- 2. Metamorphism of a Gabbro occurring in St. Lawrence County (N.Y.). *Am. Journ. Sci.* ser. 4, i. 273. 1896.
- 3. Note on recently-discovered Dykes of Alnoite at Manheim (N.Y.). *Am. Journ. Sci.* ser. 4, ii. 290. 1896.
- SMYTH, HENRY LLOYD. See VAN HISE, C. R., &c.
- , & J. RALPH FINLAY. The Geological Structure of the Western Part of the Vermilion Range, Minnesota. *Trans. Am. Inst. M. E.* xxv. 596. 1896.
- SÓBANYI, J. Die Entwicklungsgeschichte der Umgegend des Kanyaptathales. [Map, $\frac{1}{128'2885'}$.] *Földt. Közl.* xxvi. 193, 273. 1896.
- SOHNCKE, L. Die Structur der hemimorph-hemiëdrischen, bezw. tetartoëdrischen drehenden Krystalle. *Zeitschr. f. Kryst.* xxv. 529. 1896.
- SOKOLOV, N. Ueber die Entstehung der Limane Südrusslands. *Mém. Comité géol. Russie*, x. no. 4, 1. 1895. [Karte der Limane des Dnepr, Bug und Beresan, 10 versts = 1 inch.]
- 2. Notes sur l'Île de Beresan et sur les Dislocations dans les Assises pontiques des Bassins de Sivach et du Golfe de Pérécop. *Bull. Com. géol. Russie, 1895*, xiv. 241. 1896.

- SOL, —. See LACROIX, A.
- SOLLAS, W. J. On Pitch Glaciers or Poissiers. *Rep. Brit. Assoc. Adv. Sci.* 1895, 650. 1895.
- 2. On *Pucksia MacHenryi*, a new Fossil from the Cambrian Rocks of Howth. *Sci. Proc. R. Dublin Soc.* n. s. viii. 297. 1895.
- 3. On the Crystalline Form of Riebeckite. *Proc. R. Irish Acad.* ser. 3, iii. 516. 1895.
- 4. On a Volcanic Neck, of Tertiary Age, in the County of Galway. *Trans. R. Irish Acad.* xxx. 729. 1896.
- SOLMS-LAUBACH, COUNT E. See CAPELLINI, G.
- SOLMS-LAUBACH, COUNT H. Ueber devonische Pflanzenreste aus den Lenneschiefern der Gegend von Grafrath am Niederrhein. *Jahrb. k. preuss. geol. Landesanst.* 1894, xv. *Abh. Ausserh.* 67. 1895.
- 2. *Bowmanites Römeri*, eine neue Sphenophyllum-Fructification. *Jahrb. k.-k. geol. Reichsanst.* 1896, 225. 1896.
- SOMERVAIL, ALEXANDER. Prehistoric Torbay. *Trans. Devon. Assoc. Adv. Sci.* xxviii. 533. 1896.
- SOMERVILLE, BOYLE T. Account of a Visit to Niuafoú, South Pacific. *Geogr. Journ.* vii. 65. 1896.
- *SOMIGLIANA, C. Sulle Deformazioni elastiche dei Solidi cristallini. *Riv. Min. e Crist. ital. Padova*, xvi. 95. 1896.
- SOUBEIRAN, A. Etudes sur les Gites minéraux de la France. Bassin houiller du P.-s.-de-Calais. 1^{re} Partie. Sous-Arrondissement Minéralogique d'Arras. 4to. Paris, 1895. With fol. Atlas, pt. 1 [containing Pls. 1-10, Title, & Légende]. 1895.
- *SOUTHALL, JAMES C. The Epoch of the Mammoth and the Apparition of Man upon the Earth. 8vo. London, 1878.
- SPEIGHT, R. Notes on some Rocks from the Kermadec Islands. *Trans. N.Z. Inst.* xxviii. 624. 1896.
- SPENCER, J. W. Geographical Evolution of Cuba. *Bull. Geol. Soc. Am.* vii. 67. 1896. And A.C.
- SPERRY, FRANCIS L. Nickel and Nickel-Steel. *Trans. Am. Inst. M. E.* xxv. 51. 1896.
- SPEZIA, GIORGIO. La Pressione nell' Azione dell' Acqua sul Quarzo. *Atti R. Acc. Sci. Torino*, xxxi. 246. 1896.
- 2. Sul Metamorfismo delle Roccie. *Atti R. Acc. Sci. Torino*, xxxi. 939. 1896.
- *— 3. Sul Metamorfismo delle Roccie. *Riv. Min. e Crist. ital. Padova*, xvi. 70. 1896.
- SPIGAI, R. Il Terreno Agrario e la Flora della Regione Tripolitana. *Atti Soc. tosc. Sci. nat. xiv. Mem.* 386. 1895.
- SPILLER, JOHN. On Recent Coast Erosion at Southwold and Covehithe. *Rep. Brit. Assoc. Adv. Sci.* 1895, 678. 1895.
- 2. Recent Coast Erosion at Southwold and Covehithe. *Geol. Mag.* dec. 4, iii. 23. 1896. And A.C.
- SPINK, J. Lake-dwellings in the Vale of Pickering. *Proc. Yorks Geol. Soc.* 1895, n. s. xiii. 21. 1896.
- SPURR, J. EDWARD. Economic Geology of the Mercur Mining District, Utah; with Introduction by S. F. EMMONS. [Maps, Southern Oquirrh Mountains, 1 inch = 2 miles, and Mercur Basin, 1 inch = 1500 feet.] *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. ii. 349. 1895.
- STACHE, G. Jahresbericht für 1895. *Verh. k.-k. geol. Reichsanst.* 1896, 1. 1896.
- *STAHL, A. F. Reisen in Nord- und Zentral-Persien. *Peterm. Mitt. Ergänzungsheft* no. 118, 1. 1896.
- STAINIER, X. Compte-rendu de l'Excursion de la Société belge de Géologie dans la Vallée de l'Orneau. *Bull. Soc. belge Géol. Brux.* viii. *Mém.* 195. 1896.
- 2. On the Pebbles found in Belgian Coal Seams. *Trans. Manch. Geol. Soc.* xxiv. 163. 1896.
- STANTON, TIMOTHY WILLIAM. Contributions to the Cretaceous Palaeontology of the Pacific Coast: the Fauna of the Knoxville Beds. *Bull. U.S. Geol. Surv.* no. 133, 10. 1895.
- , & T. W. VAUGHAN. Section of the Cretaceous at El Paso, Texas. *Am. Journ. Sci.* ser. 4, i. 21. 1896.
- STAUB, MÓRICZ. Die Kalktuffablagerung von Borszek. *Földt. Közl.* xxv. 185, 243. 1895.
- 2. Kleine Beiträge zur Kenntniss des Untergrundes von Ungarn. *Földt. Közl.* xxv. 342, 378. 1895.

- STAUDINGER, PAUL. The Shotts of Algeria and Tunis. *Scot. Geogr. Mag.* xii. 195. 1896.
- STEARNS, JOHN. Particulars of Strata at Ganstead, in Holderness. *Proc. Yorks. Geol. Soc.* 1895, n. s. xiii. 88. 1896.
- STEBBING, W. P. D. See MONCKTON, H. W.
- STEFANESCU, GREG. Relation sommaire relative à la Structure géologique observée par les Membres du Bureau géologique en 1886 dans les Judete de Botasani, de Iasi, de Roman, de Vasluiu et de Braila. *Anu. Mus. Geol. & Pale., Bucarest*, 1894, 8. 1896.
- 2. Le Chateau fossile de Roumanie. *Anu. Mus. Geol. & Pale., Bucarest*, 1894, 90. 1896.
- 3. *Dinothérium gigantissimum*. *Anu. Mus. Geol. & Pale., Bucarest*, 1894, 126. 1896.
- STEFANESCU, S. Études sur les Terrains tertiaires de Roumanie. Contribution à l'Étude des Faunes sarmatique, pontique et levantine. *Mém. Soc. géol. France (Paléont.)*, vi. *Mém.* 15, 1. 1896.
- STEFANI, CARLO DE. Il Bacino lignifero di Borgotaro. [Map, scale $\frac{1}{100,000}$]. *Boll. R. Com. geol. Ital.* xxvi. 205. 1895.
- 2. Sulla Posizione del Langhiano nelle Langhe. *Atti Soc. tosc. Sci. nat., Proc.-verb.* ix. 256. 1895.
- 3. Un nuovo Giacimento di Mercurio in Val di Taro. *Atti Soc. tosc. Sci. nat., Proc.-verb.* x. 35. 1895.
- *— 4. Geologische Beobachtungen in Korfu. *Peterm. Mitt.* xlii. 262. 1896.
- STEFANO, G. DI. See DI-STEFANO, G.
- STEFANSSON, J. The Recent Earthquakes in Iceland. *Nature*, liv. 574. 1896.
- STEIN-NORDHEIM, VON. See SCHNEER, J.
- STEINMANN, G. Das Alter der paläolithischen Station vom Schweizerbild bei Schaffhausen und die Gliederung des jüngeren Pleistocän. *Ber. naturf. Gesell. Freiburg i. B.* ix. 111. 1894.
- 2. Geologische Beobachtungen in den Alpen. I. Das Alter der Bündner Schiefer. *Ber. naturf. Gesell. Freiburg i. B.* ix. 245. 1894.
- 3. Beiträge zur Geologie und Paläontologie von Südamerika. IV. Die Tertiärbildungen des nördlichen Chile und ihre Fauna, von W. MÖRICKÉ und G. STEINMANN. *N. J. f. Min.* x. Beilage-Band, 533. 1896.
- STELLA, A. Sui Terreni quaternari della Valle del Po in rapporto alla Carta geologica d'Italia. *Boll. R. Com. geol. Ital.* xxvi. 108. 1895.
- 2. Sul Rilevamento geologico eseguito nel 1894 in Valle Varaita (Alpi Cozie). *Boll. R. Com. geol. Ital.* xxvi. 283. 1895.
- STELZNER, A. W. Beiträge zur Entstehung der Freiburger Bleierz- und der Erzgebirgischen Zinnerz-Gänge. *Zeitschr. f. prakt. Geol.* 1896, 377. 1896.
- STEPHENS, FRANCIS J. Some Geological Notes for 1895. *Trans. R. Geol. Soc. Cornwall*, xii. 87. 1896.
- STEUER, ALEXANDER. Mittheilungen über Gesteine aus den chinesischen Provinzen Kansu, Schensi, Hupe und Honan. *N. J. f. Min.* x. Beilage-Band, 477. 1896.
- STEVENSON, JOHN J. The Cerrillos Coal-field of New Mexico. *Bull. Geol. Soc. Am.* vii. 525. 1896.
- STEWART, ALBAN. A Geological Section at Providence, Missouri. *Kansas Univ. Quarterly*, iv. 161. 1896.
- STIRLING, E. C., & A. H. C. ZIETZ. Preliminary Notes on a New Genus and Species of Fossil Struthious Bird found at Lake Callabonna, South Australia. *Trans. Roy. Soc. S. Aust.* xx. 171. 1896.
- STOCKFLETH, —. Geologisch-bergmännisches Gutachten über eine zweckmässige Wasserversorgung der Stadt Iserlohn. *Zeitschr. f. prakt. Geol.* 1896, 53. 1896.
- STOKES, A. H. See ATKINSON, J. B., & c.
- STOLICZKA, F. See STESS, E., & c.
- *STOLLEY, E. Die cambrischen und silurischen Geschiebe Schleswig-Holsteins und ihre Brachiopodenfauna. I. Geologischer Theil. *Arch. f. Anthr. & Geol. Schleswig-Holsteins*, i. 35. 1895.
- *— 2. Einige Bemerkungen über die obere Kreide, insbesondere von Lüneburg und Lägerdorf. *Arch. f. Anthr. & Geol. Schleswig-Holsteins*, i. 139. 1896.
- *— 3. Untersuchungen über *Celospharidium*, *Cyclocrinus*, *Mastopora* und verwandte Genera des Silur. *Arch. f. Anthr. & Geol. Schleswig-Holsteins*, i. 177. 1896.
- STONIER, GEORGE A. Geological Report upon the Slaughterhouse Creek District. *Ann. Rep. Depart. Mines N.S.W.* 1895, 160. 1896.
- 2. Report on the Uralla Gold-field. *Ann. Rep. Depart. Mines N.S.W.* 1895, 162. 1896.

- STONIER, GEORGE A. 3. Report on the Alluvial Tin at Shannon Vale, Mitchell River. [Map, $\frac{1}{63,360}$.] *Ann. Rep. Depart. Mines N.S.W.* 1895, 165. 1896.
- 4. Geological Report on Crow Mountain, near Barraba. [Map, $\frac{1}{63,360}$.] *Ann. Rep. Depart. Mines N.S.W.* 1895, 167. 1896.
- 5. Report on Country between Moree and Warialda. *Ann. Rep. Depart. Mines N.S.W.* 1895, 171. 1896.
- 6. Report on the Lismore District. *Ann. Rep. Depart. Mines N.S.W.* 1895, 172. 1896.
- STORY-MASKELYNE, N. See FLOCK, A.
- STRAHAN, AUBREY. On a Phosphatic Chalk with *Holaster planus* at Lewes. With an Appendix on the Foraminifera and Ostracoda by F. CHAPMAN. *Q. J. G. S.* lii. 463. 1896.
- 2. On the Physical Geology of Purbeck. [Map, S.E. England, 1 inch = 35 miles.] *Proc. Geol. Assoc.* xiv. 405. 1896. And A.C.
- 3. On Submerged Land-surfaces at Barry, Glamorganshire. With Notes on the Fauna and Flora by CLEMENT REID; and an Appendix on the Microzoa by T. RUPERT JONES and F. CHAPMAN. [Map, $\frac{1}{31,750}$.] *Q. J. G. S.* lii. 474. 1896.
- See DAKYNS, J. R.; see REID, C.
- , & WALCOT GIBSON. Geological Survey of England and Wales. N.S., 1-inch (Solid and Drift), Sheet 249. Newport (Mon.), 1895.
- STREMOONCHOV, D. Note sur la *Posidonomya Buchi*, Roemer, des Schistes de Balaclava en Crimée. *Bull. Soc. Imp. Nat. Moscou*, 1895, n. s. ix. 391. 1896.
- STRESCHEVSKY, S. W. See INOSTRANZEV, A.
- *STROMER von REICHENBACH, E. FRIEDRICH VON. Die Geologie der deutschen Schutzgebiete in Africa. [Maps, $\frac{1}{4,000,000}$.] 8vo. Munich, 1896.
- STRUBEN, F. P. T. Notes on the Geological Formation of South Africa and its Mineral Resources, to accompany [his] Geological Sketch-Map of South Africa. 8vo. London, 1896.
- 2. Geological Sketch-Map of Africa South of the Zambesi, accompanied by coloured Sections. In 4 sheets. Scale, 40 miles = 1 inch. London, 1896.
- STUART-MENTEATH, P. W. Sur la Vallée d'Ossau et la Vallée d'Aspe. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. cxviii. 1895.
- 2. Sur la Carte géologique des Pyrénées. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. clxvi. 1895.
- 3. Sur la Géologie du Département des Landes. *Bull. Soc. géol. France*, ser. 3, xxiv. 301. 1896.
- 4. Sur le Mode de Formation des Pyrénées. *C. R. Acad. Sci. Paris*, cxxii. 712. 1896.
- 5. —. *C. R. Acad. Sci. Paris*, cxxiii. 619. 1896.
- *STUDER, TH. Die Säugetierreste aus den marinen Molasseablagerungen von Brüttelen. *Abh. schweiz. paläont. Gesell.* 1895, xxii. monogr. i. 1. 1896.
- STUR, DIONYS. Geologische Special-Karte der Umgebung von Wien. 1891. Tulln (Zone 12, Col. xiv.), Gänserndorf (Zone 12, Col. xv.), Dürnkrot-Marchegg (Zone 12, Col. xvi.), Neulengbach-Baden (Zone 13, Col. xiv.), Wien (Zone 13, Col. xv.), Hainburg (Zone 13, Col. xvi.) $\frac{1}{75,000}$. [In six sheets, with Explanation. 8vo. 1894.] *K.-k. geol. Reichsanst.*
- SUESS, EDUARD. Beiträge zur Stratigraphie Central-Asiens auf Grund der Aufsammlungen von F. STOLICZKA und K. BOGDANOWITSCH, und mit Unterstützung von F. FRECH, E. VON MOJSISOVICS VON MOJSVÁR, F. TELLER und V. UHLIG. *Denkschr. k. Akad. Wissensch. Wien*, lxi. 431. 1894.
- 2. Einige Bemerkungen über den Mond. *Sitz. k. Akad. Wissensch. Wien*, civ. *Math.-naturw. Cl.* 21. 1895.
- 3. Note sur l'Histoire des Ccéans. [Trias.] *C. R. Acad. Sci. Paris*, cxxi. 1113. 1895.
- SUESS, FRANZ E. Das Erdbeben von Laibach am 14 April, 1895. *Verh. k.-k. geol. Reichsanst.* 1896, 90. 1896.
- SUNDT, LORENZO. El Oro de Carelmapu, en la Provincia de Llanquihue i Chilóe. *Bol. Soc. Nac. Minería, Santiago*, ser. 2, vii. 232. 1895.
- See CORTES, O.
- *SUPAN, ALEXANDER. Grundzüge der Physischen Erdkunde. 2nd Edition. 8vo. Leipzig, 1896.
- *— 2. Nansens erster Bericht. *Peterm. Mitt.* xlii. 259. 1896.
- SVEDMARK, E. Meddelanden om Jordstötär i Sverige. [Map, Kristianstad & Malmöhus, $\frac{1}{800,000}$.] *Sver. geol. Undersök. Afh.* ser. C, no. 137, 1, & no. 142, 1. 1894.

- SVEDMARK, E. 2. Meddelanden om Jordstötter i Sverige. *Geol. Fören. Stockh. Förh.* xviii. 38. 1896.
- 3. —. *Geol. Fören. Stockh. Förh.* xviii. 71. 1896.
- 4. Ytterligare om Flottholmen i Sjön Ralången (Jönköping Län). *Sver. geol. Undersökn. Afh.* ser. C, no. 138, 1. 1894.
- 5. Geologiska Meddelanden från Resor i Dalarne och Helsingland. [Map, $\frac{1}{500,000}$.] *Sver. geol. Undersökn. Afh.* ser. C, no. 147, 1. 1895.
- 6. Orsa Finmarks Geologi. [Map, $\frac{1}{200,000}$.] *Sver. geol. Undersökn. Afh.* ser. C, no. 147 (45). 1895.
- SVENONIUS, FREDR. Forskningsresor i Kvikkjokks Fjälltrakter, med särskild Hänsyn till Apatitförekomster. [Map, $\frac{1}{200,000}$.] *Sver. geol. Undersökn. Afh.* ser. C, no. 146, 1. 1895.
- 2. Nasafjälls Zink- och Silfvergrufvor i Narrbottens Län. *Sver. geol. Undersökn. Afh.* ser. C, no. 154, 1. 1895.
- 3. Underdåniga Berättelser om Forskningsresor i Kvikkjokks Fjälltrakter Åren 1892 och 1893, med särskild Hänsyn till Apatitförekomster. [Map, $\frac{1}{200,000}$.] 8vo. Stockholm, 1895.
- 4. Några Bidrag till Belysning af Eruptivens Betydelse för Fjällbildningarna. *Geol. Fören. Stockh. Förh.* xviii. 317. 1896.
- SWEM, EARL G. A Preliminary Report on the Glaciated Area of Kansas. *Kansas Univ. Quarterly*, iv. 153. 1896.
- SWENY, MARK. Historical Sketch of the Sea Approaches to the Mersey. *Proc. Lit. Phil. Soc. Liverpool*, 1894-95, xlix. 87. 1895.
- SZADÉCZKY, J. Ueber den Andesit des Berges Ság bei Szob und seine Gesteinschlüsse. *Földt. Közl.* xxv. 161, 229. 1895.
- SZOKOL, P. Die Veresvizer Goldgänge. *Földt. Közl.* xxvi. 243, 300. 1896.
- SZONTAGH, THOMAS VON. Geologische Studien in den Vorbergen des Biharar 'Királyerdő,' in der Umgebung von Dobrest-Szombatság und Hollód. *Jahresb. k.-ung. geol. Anst.* 1893, 50. 1895.
- 2. Reise-Notizen aus Bayern und Sachsen. *Jahresb. k.-ung. geol. Anst.* 1893, 193. 1895.
- TABER, C. A. M. The Coming Ice Age. 8vo. Boston, 1896.
- TALMAGE, J. E. Geology as a Popular Study. *Utah Univ. Quart.* i. 114. 1895.
- 2. Notes concerning a Peculiarly-marked Sedimentary Rock from the Vicinity of Glen Cañon (Arizona). *Utah Univ. Quart.* i. 193. 1895. A.C.
- 3. Notes concerning certain Linear Marks in a Sedimentary Rock. *Q. J. G. S.* lii. 461: [Abstract.] 1896.
- 4. The Great Salt Lake, Past and Present. *Utah Univ. Quart.* ii. 73, 137. 1896. A.C.
- TARAMELLI, T. Sugli Strati a *Posidonomya* nel Sistema liasico del Monte Albena in Provincia di Bergamo. *Rendic. R. Ist. lomb. Sci.* ser. 2, xxviii. 600. 1895.
- 2. Dei Giacimenti pliocenici nei Dintorni di Almengo, in Provincia di Bergamo. *Rendic. R. Ist. lomb. Sci.* ser. 2, xxviii. 1052. 1895.
- TARDIEU, G. See DUPARC, L., &c.
- TARDY, CH. Réflexions sur le Tremblement de Terre du 27 Octobre, 1894. *Actes Soc. sci. Chili*, v. p. lxxvi. 1895.
- TARDY, M. Fin du Quaternaire. *Bull. Soc. géol. France*, ser. 3, xxiii. 556. 1896.
- TARNUZZER, C. Neue Fundstellen von Manganerz in Graubünden (Grisons). *Eclogæ Geol. Helv.* iv. 414. 1896.
- TATE, RALPH, & J. DENNANT. Correlation of the Marine Tertiaries of Australia. Part III. South Australia and Tasmania. *Trans. Roy. Soc. S. Aust.* xx. 118. 1896.
- , J. ALEXANDER WATT, & W. F. SMEETH. Report of the Horn Expedition to Central Australia. Part III. Geology, &c.—Physical Geography, p. 1, and General Geology, p. 27, by Ralph Tate and J. A. Watt; Economic Geology, p. 76, by J. A. Watt; Petrology, p. 82, by W. F. Smeeth and J. A. Watt; Palæontology, by R. Tate. 4to. Adelaide, 1896. A.C.
- , WALTER HOWCHIN, & T. W. E. DAVID. Report of the Research Committee appointed to collect Evidence as to Glacial Action in Australasia. South Australia. [Map, Hallett's Cove, S. Australia, 1 inch=12 chains.] *Rep. Austral. Assoc. Adv. Sci.* 1895, vi. 315. 1896.
- TATE, THOMAS. The Yorkshire Boulder Committee and its Ninth Year's Work. *Naturalist, Leeds*, 1895, 339. 1895. A.C.
- 2. The Malham Dry River-Bed. *Proc. Yorks Geol. Soc.* xiii. 58. 1896. And A.C.

- TAUSCH, L. VON. Reisebericht. Schluss der geologischen Aufnahme im Blatte Boskowitz und Blansko (Zone 8, Coll. xv.). *Verh. k.-k. geol. Reichsanst.* 1895, 291. 1895.
- 2. Ueber die krystallinischen Schiefer- und Massengesteine, sowie über die sedimentären Ablagerungen nördlich von Brünn (Geologische Beschreibung des Kartenblattes Boskowitz und Blansko). *Jahrb. k.-k. geol. Reichsanst.* 1896, 265. 1896.
- 3. Vorlage des geologischen Blattes Boskowitz und Blansko. *Verh. k.-k. geol. Reichsanst.* 1896, 189. 1896.
- 4. Bericht über geologische Beobachtungen bei einigen Tertiärvorkommnissen im Innviertel (Oberösterreich) und in einem Theile von Nieder- und Oberbayern. (Ueber Schlier, *Oncophora*-Schichten und die Braunkohlen des Hausrückts.) *Verh. k.-k. geol. Reichsanst.* 1896, 304. 1896.
- *TAYLOR, F. B. Notes on the Quaternary Geology of the Mattawa and Ottawa Valleys. *Am. Geol.* xviii. 108. 1896.
- TEALI, J. J. H. See HINXMAN, L. W.; see HORNE, J.
- TÉGLÁS, GÁBOR. Die ältesten Denkmäler des Eisenbergbaues in der Umgebung von Vajda-Hunyád. *Földt. Közl.* xxv. 354, 392. 1895.
- TEISSEYRE, LAWRENCE. Geologische Reiseberichte aus den Karpathen Rumäniens (District Bacau). I. & II. *Verh. k.-k. geol. Reichsanst.* 1896, 132, 230. 1896. And A.C.
- TEISSEYRE, WAWRZYNIÉC. Kilka uwag o węgł brunatnym i poszukiwaniach geologicznych na Podolu. *Ber. physiograph. Comm. Krakow*, xxvii. (1). 1892. A.C.
- 2. Calokształt plyty paleozoicznej Podola galicyjskiego. *Kosmosu*, 1893 (1). 1893. A.C.
- 3. Grzbiet gologórsko-krzemieniecki jako zjawisko orotektoniczne. *Kosmosu*, 1893 (1). 1893. A.C.
- 4. Ogoine stosunki kształtowe i genetyczne Wyzyny Wschodnio-galicyjskiej. (Ueber allgemeine morphologische und genetische Verhältnisse von Galizisch Podolien.) *Ber. physiograph. Comm. Krakow*, xxix. (1). 1894. A.C.
- 5. O charakterze Fauny kopolnej Miodoborów. (Ueber den Character der fossilen Fauna der Miodobory.) *Rozpr. Ak. Umiej. Krakow*, xxx. (1). 1895. A.C.
- 6. Paleomorfologia Podola. *Ber. physiograph. Comm. Krakow*, xxix. 188. 1895. A.C.
- TELEGD, L. ROTH VON. Der nördliche Theil des Krassó-Szörényer 'Kalkgebirges' in der Umgebung von Krassova. *Jahresb. k.-ung. geol. Anst.* 1893, 84. 1895.
- TELLER, FRIEDRICH. Geologische Karte der östlichen Ausläufer der karnischen und jülichen Alpen. Völkermarkt (Zone 19, Col. xi.); Unt. Drauburg (Zone 19, Col. xii.); Prassberg a. d. Sann (Zone 20, Col. xii.); Eisenkappel und Kanker (Zone 20, Col. xi.). $\frac{1}{75,000}$. [In four sheets.] *K.-k. geol. Reichsanst.* 1895.
- 2. Geologische Mittheilungen aus der Umgebung von Römerbad in Südsteiermark. *Verh. k.-k. geol. Reichsanst.* 1895, 309. 1895.
- See SUSS, E., &c.
- TERMIER, L. Sur les Terrains cristallins, d'Âge probablement tertiaire, des Montagnes de l'Eychauda, de Serre-Chevalier et de Prorel, près du Bord oriental du Massif du Pelvoux. *Bull. Soc. géol. France*, ser. 3, xxiii. 572. 1896.
- TERMIER, P. Sur un Quartz de Grindelwald présentant plusieurs Formes nouvelles. *Bull. Soc. franç. Min.* xviii. 443. 1895.
- 2. Sur la Structure des Grès de Fontainebleau. *Bull. Soc. géol. France*, ser. 3, xxiii. 344. 1895.
- 3. Sur le Sphère de la Syénite du Lauvitel (Isère). *Bull. Soc. franç. Min.* xix. 81. 1896.
- 4. Résultats d'un Sondage pratiqué dans la Commune de Saint-Bonnet-de-Mure (Isère). *C. R. Soc. géol. France*, ser. 3, xxiii. p. viii. 1895.
- 5. Feuille de Briançon. *Bull. Serv. Carte géol. France*, viii. (no. 53) 191. 1896.
- See DUPARC, L., &c.; see KILIAN, W.; see MICHEL-LÉVY, A., &c.
- & P. LORY. Sur deux Roches éruptives récemment découvertes dans le Massif de Chaillol (Hautes-Alpes). *C. R. Soc. géol. France*, ser. 3, xxiii. p. lxxv. 1895.
- THADDÉEV, C. Die Olivingruppe. [Fayalite, Forsterite.] *Zeitschr. f. Kryst.* xxvi. 28. 1896.

- THESLEV, ARTUR. Dynbildningar i östra Finland. [Map, Björkö to Systerback, Gulf of Finland, $\frac{1}{400,000}$] *Vet.-Meddel. geogr. Fören. Finland*, ii. 36. 1895.
- THEVENIN, A. Feuille de Rodez. *Bull. Serv. Carte géol. France*, viii. (no. 53) 93. 1896.
- THOMAS, —. Sur la Position des Sables de Guiscard. *Ann. Soc. géol. Nord*, xxiii. 183. 1896.
- THOMAS, H. Révision de la Feuille de Soissons. *Bull. Serv. Carte géol. France*, viii. (no. 53) 16. 1896.
- THOMAS, J. J. Westmoreland Slates; their Geology, Chemistry, and Architectural Value. *Journ. R. I. B. A.* ser. 3, iii. (1). 1896. A.C.
- THOMAS, T. H. See HOWARD, F. T.
- THOMPSON, BEEBY. Excursion to Brigstock and Geddington. *Proc. Geol. Assoc.* xiv. 114. 1895. A.C.
- 2. Geological Notes. Vigo Brickyard, Northampton. *Journ. Northants Nat. Hist. Soc.* viii. 140. 1895. And A.C.
- 3. On Pre-Glacial Valleys in Northamptonshire. *Rep. Brit. Assoc. Adv. Sci.* 1895, 683. 1895.
- 4. Peculiar Occurrence of Land and Freshwater Shells in the Lincolnshire Oolite. *Geol. Mag.* dec. 4, ii. 1. 1895. A.C.
- 5. Excursion to the New Railway at Catesby, Northamptonshire. *Proc. Geol. Assoc.* xiv. 421. 1896.
- , & EDWARD F. LEACH. Geological Notes. A Coral Reef and a Buried Valley &c. *Journ. Northants Nat. Hist. Soc.* viii. 214. 1895. And A.C.
- *THORODDSEN, TH. Reise im südöstlichen Island. *Peterm. Mitt.* xli. 288. 1895.
- 2. Nogle Jagttager over Surtarbrandens geologiske Forhold i det nordvestlige Island. *Geol. Fören. Stockh. Förh.* xviii. 114. 1896.
- THOULET, J. Les Falaises du Pays de Caux. *Rev. Sci. Paris*, ser. 4, v. 620. 1896.
- 2. Sur le Tassement des Argiles au Sein des Eaux. *C. R. Acad. Sci. Paris*, cxxiii. 765. 1896.
- TIESSEN, E. Die subhercynce Tourtia und ihre Brachiopoden- und Mollusken-Fauna. *Zeitschr. deutsch. geol. Gesell.* xlvi. 423. 1895. And A.C.
- 2. Ueber *Nautilus Deslongchampsianus*, d'Orb., aus der oberen Kreide. [Langenberg bei Westerhausen.] *Zeitschr. deutsch. geol. Gesell.* xlvi. 735. 1896.
- TIETZE, EMIL. Geologische Karte der Umgebung von Olmütz. (Zone 7, Col. xvi.) [With Explanations. 8vo. 1894.] $\frac{1}{75,000}$. *K.-k. geol. Reichsanst.* 1892.
- 2. Reiseberichte aus Wigstadtl. *Verh. k.-k. geol. Reichsanst.* 1895, 305. 1895.
- 3. Neuere Erfahrungen bezüglich der Kalisalze Ostgaliziens. [Kainitz.] *Verh. k.-k. geol. Reichsanst.* 1895, 461. 1895.
- 4. Vorlage der geologischen Karte der Gegend von Landskron. *Verh. k.-k. geol. Reichsanst.* 1896, 205. 1896.
- 5. Beiträge zur Geologie von Galizien. 8te Folge. *Jahrb. k.-k. geol. Reichsanst.* 1896, 1. 1896.
- TILDEN, W. A. An Attempt to determine the Condition in which Helium and the Associated Gases exist in Minerals. *Proc. Roy. Soc.* lix. 218. 1896.
- TILTON, J. L. On the South-western Part of the Boston Basin. *Proc. Boston Soc. Nat. Hist.* xxvi. 500. 1895.
- TISSANDIER, ALBERT. Les Grottes de Jenolan dans les Montagnes Bleues (Australie). *Spelunca*, i. 50. 1895.
- TODD, JOHN. On the Borings for Coal, and the Experimental Salt Works in the North of the Isle of Man. *Yn Lioar Manninagh*, iii. 65. 1896.
- *TODD, J. E. Log-like Concretions and Fossil Shores. *Am. Geol.* xvii. 347. 1896.
- TOLL, BARON E. VON. Ueber die Verbreitung der cambrischen und untersilurischen Ablagerungen in Siberien. *Verh. russ.-k. min. Gesell.* ser. 2, xxxiii. 273. 1895.
- TOMMASI, A. Sulla Fauna del Trias inferiore nel Versante meridionale delle Alpi. *Rendic. R. Ist. lomb. Sci.* ser. 2, xxviii. 437. 1895.
- 2. La Fauna del Trias inferiore nel Versante meridionale delle Alpi. *Palaeontographia italica*, 1895, i. 43. 1896.
- 3. Sul recente Rinvenimento di Fossili nel Calcare a *Bellerophon* della Carnia. *Atti R. Acc. Lincei*, ser. 5, *Rendic.* 1896, sem. 1, v. 216. 1896.
- TOPLEY, W. See BARROW, G.
- TORCAPEL, A. Sur l'Urgonien de la Montagnette, près Tarascon (Bouches-du-Rhône). *Bull. Soc. géol. France*, ser. 3, xxiii. 155. 1895.

- TORCAPEL, A. 2. Feuille du Vigan. *Bull. Serv. Carte géol. France*, viii. (no. 53) 123. 1896.
- TÖRNEBOHM, A. E. Om Användandet af Termerna 'Arkeisk' och 'Algonkisk' på skandinaviska Förhållanden. *Geol. Fören. Stockh. Förh.* xviii. 285. 1896.
- TÖRNQUIST, A. Beitrag zur Kenntniss von *Archaeocidaris*. *N. J. f. Min.* 1896, ii. 26. 1896.
- TÓTH, MIHALY. *Mastodon-lelet Nagy-Váadról.* *Földt. Közl.* xxv. 191. 1895.
- TOTTENHAM, RALPH G. S. [The Extension of the Main Reef, westward of the Farm Witpoortje.] *Trans. Geol. Soc. S. Africa*, ii. 18. 1896.
- TOUCAS, A. Sur le Crétacé supérieur des Corbières, du Beausset et de l'Ariège. *C. R. Soc. géol. France*, ser. 3, xxiii. p. lxi. 1895.
- 2. Note sur le Turonien et le Sénonien de Champs. *Bull. Soc. géol. France*, ser. 3, xxiv. 172. 1896.
- TOULA, FRANZ. Ueber Erdbeben. *Zeitschr. österr. Ingenieur- u. Architekten-Ver.* 1895, nos. 51 & 52 (1). 1896. A.C.
- 2. Geologische Untersuchungen im östlichen Balkan und abschliessender Bericht über diese geologischen Arbeiten im Balkan. *Denkschr. k. Akad. Wissensch. Wien*, lxiii. 277. 1896. A.C.
- 3. Ueber die Auffindung einer Muschelkalkfauna am Golfe von Ismid. *N. J. f. Min.* 1896, i. 149. 1896.
- 4. Ueber die Katastrophe von Brüx. *Vortr. Ver. Verb. naturw. Kenntn. Wien.* xxxvi. 1. 1896. A.C.
- 5. Ueber die Muschelkalkfauna am Golfe von Ismid. *N. J. f. M.* 1896, ii. 137. 1896.
- TRABUCCO, G. Il Langhiano della Provincia di Firenze. *Boll. Soc. geol. ital.* xiv. 173. 1896.
- 2. Sulla posizione ed età delle Argille galestrine e scagliose del Flysch e delle Serpentine terziarie dell' Appennino settentrionale. 4to. Florence, 1896. A.C.
- TRAQUAIR, R. H. The Extinct Vertebrata of the Moray Firth Area. 8vo. Edinburgh, 1896.
- TRASENSTER, P. The Ore Deposits of Southern Russia. *Coll. Guard.* lxxii. 353. 1896.
- TRAUBE, HERMANN. Beiträge zur Kenntniss des Rutils, Cassiterits und Zirkons. *N. J. f. Min.* x. Beilage-Band, 470. 1896.
- 2. Ueber das optische Drehungsvermögen von Körpern im krystallinischen und im amorphen Zustand. *N. J. f. Min.* x. Beilage-Band, 789. 1896.
- 3. Ueber die Aetzfiguren einiger Minerale. [Cuprit, Phosgenit, Wulfenit, Chalkolith, Disthen, Turmalin, Vesuvian, Dioplas, Willemit, Nephelin, Beryll, & Adular.] *N. J. f. M.* x. Beilage-Band, 454. 1896.
- TRAVERSO, STEFANO. Nota preliminare sulle Rocce eruttive della Valle di Trebbia. *Atti Soc. tosc. Sci. nat., Proc. verb.* ix. 264. 1895.
- TRAXLER, LÁSZLÓ. Beitrag zur Veränderlichkeit der chemischen Zusammensetzung der Mineralwasser. *Földt. Közl.* xxv. 344, 381. 1895.
- 2. Subfossile Süßwasserschwämme aus Australien. *Földt. Közl.* xxvi. 25, 95. 1896.
- TREITZ, PETER. Bericht über die i. J. 1893 vollführte agronom-geologische Aufnahme. *Jahresb. k.-ung. geol. Anst.* 1893, 159. 1895.
- *TREPLOW, J. Der Abbau der Steinkohlenflöze in dem Grubenfelde des Zwickauer Oberhöndorfer Steinkohlenbauvereins. *Jahrb. f. Berg- & Hüttenw. Sachsen*, 1895, 21. 1895.
- *TRUTAT, EUGÈNE. Les Pyrénées: Les Montagnes, les Glaciers, les Eaux minérales, les Phénomènes de l'Atmosphère, la Flore, la Faune et l'Homme. 8vo. Paris. 1896.
- TSCHERMAK, G. Ueber gewundene Bergkrystalle. *Denkschr. k. Akad. Wissensch. Wien.* lxi. 365. 1894.
- TSCHERNYSCHEV, TH. Travaux exécutés dans le Bassin houiller du Donetz en 1894. *Bull. Com. géol. Russie*, 1895, xiv. 269. 1896.
- TUCKWELL, W. The Lincolnshire Naturalists' Union Boulder Committee, 1896. *Naturalist. Leeds*, 349. 1896. A.C.
- TURNBULL, THOMAS. Earthquakes, with their Influence in Building Construction. *Rep. Austral. Assoc. Adv. Sci.* 1895, vi. 763. 1896.
- TURNER, GEORGE. Coal-mining in Assam, India. *Trans. Fed. Inst. M. E.* x. 356. 1896.
- *TURNER, H. W. Notice of some Syenitic Rocks from California. *Am. Geol.* xvii. 375. 1896.
- TYRRELL, J. BURR. Post-Tertiary Deposits of Manitoba and the adjoining Territories of North-western Canada. *Bull. Geol. Soc. Am.* i. 395. 1890. A.C.

- TYRRELL, J. BURR. 2. Three Deep Wells in Manitoba. *Trans. Roy. Soc. Canada*, 1891, sec. iv. 91. 1892. A.C.
- 3. Report on North-western Manitoba, with portions of the adjacent Districts of Assiniboia and Saskatchewan. [Maps.] *Rep. Geol. Surv. Canada*, v. 1. 1892. A.C.
- 4. Notes on the Pleistocene of the North-western Territories of Canada, North-west and West of Hudson Bay. *Geol. Mag.* dec. 4, i. 394. 1894. A.C.
- 5. Genesis of Lake Agassiz. *Journ. Geol. Chicago*, iv. 811. 1896.
- 6. Is the Land around Hudson Bay at present Rising? *Am. Journ. Sci.* ser. 4, ii. 200. 1896. And A.C.
- UHLIG, V. See SUSS, C.
- *UPHAM, WARREN. American Glacial Notes. *Glac. Mag.* ii. 27, 51, 68, 100, 117, 139, 157. 1894 & 1895.
- *— 2. —. *Glac. Mag.* iii. 24, 90, 142, 184. 1895 & 1896.
- *— 3. —. *Glac. Mag.* iv. 27. 1896.
- *— 4. View of the Ice Age as two Epochs, the Glacial and Champlain. [Maps of Ice Age in United States and Canada, and Europe.] *Glac. Mag.* iii. 113. 1895.
- *— 5. Philadelphia Meeting of the Geological Society of America. *Am. Geol.* xvii. 89. 1896.
- *— 6. Sublacustrine Till. *Am. Geol.* xvii. 371. 1896.
- *— 7. Origin and Age of the Laurentian Lakes and of Niagara Falls. *Am. Geol.* xviii. 169. 1896.
- *— 8. Buffalo Meeting of the Geological Society and the American Association. *Am. Geol.* xviii. 213. 1896.
- 9. Drumlins and Marginal Moraines of Ice-Sheets. *Bull. Geol. Soc. Am.* vii. 17. 1896.
- 10. Preglacial and Postglacial Valleys of the Cuyahoga and Rocky Rivers. *Bull. Geol. Soc. Am.* vii. 327. 1896.
- UPMARK, A. See WEIBULL, M.
- VACEK, M. Einige Bemerkungen betreffend das geologische Alter der Erzlagstätte von Kallwang. [Map.] *Verh. k.-k. geol. Reichsanst.* 1895, 296. 1895.
- 2. Ueber die geologischen Verhältnisse der Umgebung von Trient. *Verh. k.-k. geol. Reichsanst.* 1895, 467. 1895.
- VALENTIN, JUAN. Informe sobre una Excursion efectuada en la Provincia de San Luis (República Argentina) en los Meses de Septiembre y Octubre de 1894. [Gold, Lead.] *Rev. Mus. La Plata*, vii. 97. 1895.
- 2. Ein Ausflug nach dem Paramillo de Uspallata. *Ber. senckenberg. naturf. Gesell.* 1896, 135. 1896.
- 3. Ueber das Flusspathvorkommen von San Roque in der argentinischen Provinz Córdoba. *Zeitschr. f. prakt. Geol.* 1896, 104. 1896.
- VALLOT, J., & LOUIS DUPARC. Sur un Synclinal schisteux ancien, formant le Cœur du Massif du Mont Blanc. *C. R. Acad. Sci. Paris*, cxxii. 632. 1896. And A.C.
- VAN DEN BROECK, E. Quelques mots au Sujet de la Différence d'Étendue des Bassins hydrographiques souterrain et superficiel alimentant les Sources de la Vallée du Hoyoux. *Bull. Soc. belge Géol. Brux.* viii. *Proc.-verb.* 241, 246. 1896.
- VAN HISE, CHARLES RICHARD. The Origin of the Dells of the Wisconsin. *Trans. Wisconsin Acad. Sci.* x. 556. 1895.
- 2. Deformation of Rocks.—I. General.—II. An Analysis of Folds.—III. Cleavage and Fissility.—IV. & V. Cleavage and Fissility, Joints, Faults, Auto-clastic Rocks. *Journ. Geol. Chicago*, iv. 195, 312, 449, 593. 1896.
- 3. Principles of North American Pre-Cambrian Geology. With an Appendix on Flow and Fracture of Rocks as related to Structure, by LEANDER MILLER HOSKINS. *Am. Journ. Sci.* ser. 4, ii. 205. 1896.
- , & WILLIAM SHIRLEY BAYLEY. Preliminary Report on the Marquette Iron-bearing District of Michigan; with a Chapter on the Republic Trough, by HENRY LLOYD SMYTH. [Maps: Republic (Mich.), 1 inch=3 miles; Marquette District (Mich.), 1 inch=1 mile; Clarksburg District (Mich.), 5 inches=1 mile.] *Ann. Rep. U.S. Geol. Surv.* 1893-94, xv. 485. 1895.
- VASSEUR, G., & E. FOURNIER. Preuves de l'Extension sous-marine, au Sud de Marseille, du Massif ancien des Maures et de l'Esterel. [Map, 1 inch=12 miles.] *C. R. Acad. Sci. Paris*, cxxii. 209. 1896.
- VAUGHAN, H. B. Journeys in Persia (1890-91). *Geogr. Journ.* vii. 24, 163. 1896.
- VAUGHAN, T. WAYLAND. See STANTON, T. W.

- VÉLAIN, C. Feuilles de Strasbourg et de Lure. *Bull. Serv. Carte géol. France*, viii. (no. 53) 200. 1896.
- 2. La Géomorphogénie. *Rev. sci. Paris*, ser. 4, v. 487. 1896.
- VELGE, G. Essai géologique sur la Campine limbourgeoise. *Ann. Soc. géol. Belg. Liège*, xxiii. 89. 1896.
- 2. Le Tongrien dans le Brabant. *Ann. Soc. géol. Belg. Liège*, xxiii. 9. 1896.
- VÉNUKOV, P. Les Dépôts carbonifères du Bassin de Kousnetz. *Travaux Sec. géol. Cab. Sa Majesté, St.-Petersbourg*, i. 55. 1895.
- 2. Description géologique de la Partie sud-est de la 14^{ème} Feuille de la VII^{ème} Zone de la Carte générale du Gouvernement de Tomsk (Feuille Balachonka). *Travaux Sec. géol. Cab. Sa Majesté, St.-Petersbourg*, ii. 1. 1896.
- 3. Recent Explorations for Coal in Siberia. *Coll. Guard.* lxxii. 834. 1896.
- 4. Sur les Résultats des Recherches du Charbon minéral récemment faites en Sibérie. *C. R. Acad. Sci. Paris*, cxxiii. 518. 1896.
- 5. Recherches géologiques dans le Caucase central. *C. R. Acad. Sci. Paris*, cxxiii. 909. 1896.
- VERRIER, — LE. Feuille de Limoges. *Bull. Serv. Carte géol. France*, viii. (no. 53) 86. 1896.
- VERRILL, A. E. The Molluscan Archetype considered as a *Veliger*-like Form, with discussions of certain points in Molluscan Morphology. *Am. Journ. Sci.* ser. 4, ii. 91. 1896.
- VERSCHAFFELT, J. Trois cas particuliers de Réfraction cristalline. *Bull. Soc. franç. Min.* xj. 41. 1896.
- VERSTRAETEN, THEOD. Hydrologie des Bassins rocheux de Belgique. *Bull. Soc. belge Géol. Brux.* ix. *Mém.* 241. 1896.
- VERWORN, MAX. Sandschläffe vom Djebel Nakûs. *N. J. f. Min.* 1896, i. 200. 1896.
- *VICCARI, L. Appunti di Mineralogia veneta. *Riv. Min. e Crist. ital. Padova*, xvi. 93. 1896.
- VILLENOSY, F. DE. L'Hiatus préhistorique et les Découvertes. *Spelunca*, ii. 94. 1896.
- VILLOT, —. Étude administrative sur les Mines de Rancié. *Ann. Mines, Paris*, ser. 9, ix. 205. 1896.
- VINASSA DE REGNY, P. E. I Molluschi delle Glauconie bellunesi. *Atti Soc. tosc. Sci. nat.* 1895, *Proc.-verb.* ix. 261. 1895.
- 2. Prospetto della Fauna del Monte Postale e di S. Giovanni Ilarione. *Atti Soc. tosc. Sci. nat.*, *Proc.-verb.* x. 30. 1895.
- 3. Fossili del Tufo glauconitico di Zovencedo. *Atti Soc. tosc. Sci. nat.*, *Proc.-verb.* x. 55. 1896.
- 4. Echinidi neogenici del Museo parmense. *Atti Soc. tosc. Sci. nat.*, *Proc.-verb.* x. 78. 1896.
- 5. I Molluschi delle Glauconie bellunesi. *Boll. Soc. geol. ital.* xv. 192. 1896.
- *— 6. A proposito dei Tufi glauconitici di Zovencedo. *Riv. ital. Paleont. Bologna*, ii. 101. 1896.
- *— 7. Il *Platycarcinus Sismondai* del Museo parmense e il *Palæocarpilus macrocheilus* del Museo pisano. *Riv. ital. Paleont. Bologna*, ii. 124. 1896.
- *— 8. Synopsis dei Molluschi terziari delle Alpi venete. Parte prima: Strati con *Velates Schmiedeliana*. I. Monte Postale.—II. S. Giovanni Ilarione. *Palaeontographia italica*, 1895, i. 211. 1896.
- See GIOVANNOZZI, G., &c.
- VIOLA, C. La Valle del Sacco e il Giacimento d'Asfalto di Castro dei Volsci in Provincia di Roma. *Boll. R. Com. geol. Ital.* xxvi. 136. 1895.
- 2. Ceno delle Osservazioni fatte sui Monti Lepini, in Provincia di Roma. *Boll. R. Com. geol. Ital.* xxvi. 322. 1895.
- 3. Elementare Darstellung der 32 Krystallklassen. *Zeitschr. f. Kryst.* xxvii. 1. 1896.
- 4. Beweis der Rationalität einer dreizähligen Symmetrieaxe. *Zeitschr. f. Kryst.* xxvii. 399. 1896.
- 5. Methode zur Bestimmung der Lage der optischen Axen in Dünnschliffen. *Min. petr. Mitth.* n. F. xv. 481. 1896.
- *— 6. Methode zur Bestimmung des Lichtbrechungsvermögens eines Mineralen in den Dünnschliffen. *Min. petr. Mitth.* n. F. xvi. 150. 1896.
- 7. Metodo per Determinare l'Indice di Rifrazione della Luce di un Minerale nelle Lamine sottili. *Atti R. Acc. Lincei*, ser. 5. *Rendic.* 1896, sem. 1, v. 212. 1896.
- 8. Ueber die Symmetrie der Krystalle und Anwendung der Quaternionenrechnung. *N. J. f. Min.* x. Beilage-Band, 495. 1896.

- VIOLA, C. 9. Ueber geometrische Ableitung in der Krystallographie. *Zeitschr. f. Kryst.* xxvi. 113. 1896.
- VIRGILIO, F. Sulla Origine della Collina di Torino. *Boll. Soc. geol. ital.* xv. 36. 1896.
- VIVAT, HEINRICH. Mineralführung der Gailthaler Schiefer. *Zeitschr. f. prakt. Geol.* 1896, 367. 1896.
- VOGEL, FR. Mollusken aus dem Jura von Borneo. *Jaarb. Mijuw. Ned. O.-Ind.* 1896, xxv. 1. 1896.
- *— 2. Mollusken aus dem Jura von Borneo.—I. Gesteine von Ambon und den Uliassern. *Samml. geol. Reichs-Mus. Leiden*, nos. 21 b & 22, p. 127. 1896.
- VOGT, J. H. L. Dunderlandsdalen Jernmalmsfeldt (i Ranen, Nordlands Amt, lidt søndenfor Polarkredsen). [Map, $\frac{1}{50,000}$.] *Norges geol. Undersög.* no. 15, 1. 1894.
- 2. Beiträge zur genetischen Classification der durch magmatische Differenzierungsprozesse und der durch Pneumatolyse entstandenen Erzvorkommen. *Zeitschr. f. prakt. Geol.* 1895, 465. 1895.
- 3. Kobberets Historie i Fortid og Nutid og om Udsigterne for Fremtiden. *Nyt Mag. f. Naturvid.* xxxiv. 259 [Geology, 352]. 1895.
- 4. Nissedalens Jernmalmsforekomst (i Thelemarken). *Norges geol. Undersög.* no. 17, 1. 1895.
- VOLZ, WILHELM. See FRECH, F.
- & R. LEONHARD. Ueber einen reichen Fund von Elephantresten und das Vorkommen von *Elephas trogontherium*, Pohl., in Schlesien. *Zeitschr. deutsch. geol. Gesell.* xlviii. 356. 1896.
- WAAGEN, WILLIAM. Salt-range Fossils. Vol. ii. Fossils from the Ceratite Formation. *Mem. Geol. Surv. India, Palæont. Indica*, ser. 13, ii. pt. 1, 1. 1895.
- See MOJSISOVICS VON MOJSVÁR, E. VON, &c.
- WADSWORTH, M. E. The Copper Deposits of Michigan. *Geol. Mag.* dec. 4. iii. 20. 1896.
- WALCOTT, CHARLES DOOLITTLE. Discovery of the Genus *Oldhamia* in America. *Proc. U.S. Nat. Mus. Washington*, 1894, xvii. 313. 1895.
- 2. The Cambrian Rocks of Pennsylvania. [Map, S.E. Pennsylvania, scale: 1 inch = 17 miles]. *Bull. U.S. Geol. Surv.* no. 134, 9. 1895.
- WALFORD, EDWIN A. On the Strata of the Shaft sunk at Stonesfield (Oxon) in 1895. *Rep. Brit. Assoc. Adv. Sci.* 1895, 692. 1895.
- 2. Stonesfield Slate. *Rep. Brit. Assoc. Adv. Sci.* 1895, 414. 1895.
- 3. On the Making of the Middle Lias Ironstone of the Midlands. *Q. J. Iron & Steel Inst.* 1896 (1). 1896. A.C.
- 4. Stonesfield Slate. Third and Final Report of the Committee appointed to open further Sections in the Neighbourhood of Stonesfield in order to show the Relationship of the Stonesfield Slate to the Underlying and Overlying Strata. *Geol. Mag.* dec. 4, iii. 517. 1896.
- WALKER, A. E. Description of the [Hamilton] Railway-Cutting. *Journ. Hamilton Assoc. (Canada)*, xii. 147. 1896.
- WALKER, T. L. Beitrag zur Kenntniss des Sperryoliths. *Zeitschr. f. Kryst.* xxv. 561. 1896.
- 2. Notes on Sperrylite. *Am. Journ. Sci.* ser. 4, i. 110. 1896.
- 3. Observations, on Percussion-Figures on Cleavage-Plates of Mica. *Am. Journ. Sci.* ser. 4, ii. 5. 1896.
- WALLERANT, FRÉD. Calcul des Constantes optiques d'un Mélange de Substances isomorphes. Application aux Feldspaths. *Bull. Soc. franç. Min.* xix. 169. 1896.
- 2. Feuille de Saumur. *Bull. Serv. Carte géol. France*, viii. (no. 53) 39. 1896.
- WALLERUS, IVAR D. Undersökningar öfver Zonen med *Agnostus lævigatus* i Vestergötland. Jänte en inledande Öfersikt af Vestergötlands samtliga *Paradoxides*lager. 8vo. Lund, 1895.
- WALLIS, H. M. Ailsa Craig. *Nat. Hist. Journ. & Sch. Rep. York*, xx. 38, 53. 1896.
- WARD, CHARLES DUDLEY, SIR JAMES HECTOR, JOSEPH PROUD, & THOMAS SKELLON. Report of Royal Commission appointed to inquire into the Brunner Coal-Mine Disaster, New Zealand. [Maps]. 4to. Wellington (N.Z.), 1896.
- WARD, JOHN. Marine Fossils in the Pottery Coalfield. [Abstract.]. *Coll. Guard.* lxx. 1132. 1895.
- 2. Geological Research in North Staffordshire. *Coll. Guard.* lxxi. 612. 1896.
- WARD, LESTER FRANK. The Potomac Formation. *Ann. Rep. U.S. Geol. Surv.* 1893-94, xv. 313. 1895.
- WARDELL, F. N. See ATKINSON, J. B., &c.

- WARDLE, THOMAS. On the Geology of the Neighbourhood of Cromer. *Journ. N. Staffs F. C.* 1896 (1). 1896. A.C.
- WARTH, H. On the Occurrence of Blue Corundum and Kyanite in the Manbhum District, Bengal. *Rec. Geol. Surv. India*, xxix. 50. 1896.
- WASHINGTON, HENRY S. Italian Petrological Sketches.—I. The Bolsena Region. *Journ. Geol. Chicago*, iv. 541. 1896.
- 2. —. II. The Viterbo Region. *Journ. Geol. Chicago*, iv. 826. 1896.
- 3. On some Ischian Trachytes. *Am. Journ. Sci.* ser. 4, i. 375. 1896.
- 4. The Magmatic Alteration of Hornblende and Biotite. *Journ. Geol. Chicago*, iv. 257. 1896.
- WATKINS, A. OCTAVIUS. Map of Coolgardie Goldfields, W. A. Scale: 10 miles=1 inch. London, 1896.
- WATT, J. ALEXANDER. See TATE, RALPH, &c.
- WATTS, W. W. Notes on some Tarns near Snowdon. *Rep. Brit. Assoc. Adv. Sci.* 1895, 683. 1895. And A.C.
- 2. Boring a Coral Reef at Funafuti. *Nature*, liv. 201. 1896.
- 3. Notes on the Ancient Rocks of Charnwood Forest. *Geol. Mag.* dec. 4, iii. 485. 1896.
- 4. On Perlitic Structure. *Geol. Mag.* dec. 4, iii. 15. 1896. And A.C.
- 5. Recent Work of the Geological Survey of the United States. *Nature*, liii. 437, 462. 1896.
- See COKE, C. E.; see GUNN, W., &c.
- & E. T. NEWTON. Notes on some Rocks from the Solomon Islands. *Geol. Mag.* dec. 4, iii. 358. 1896. And A.C.
- *WEED, WALTER HARVEY. The Fort Union Formation. *Am. Geol.* xviii. 211. 1896.
- & LOUIS V. PIRSSON. The Bearpaw Mountains, Montana. *Am. Journ. Sci.* ser. 4, i. 283, 351. 1896.
- & — 2. *Am. Journ. Sci.* ser. 4, ii. 136, 188. 1896.
- & — 3. Missourite, a new Leucite-Rock from the Highwood Mountains of Montana. *Am. Journ. Sci.* ser. 4, ii. 315. 1896.
- & — 4. The Geology of the Little Rocky Mountains. *Journ. Geol. Chicago*, iv. 399. 1896.
- WEEKS, JOSEPH D. Manganese. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iii. 389. 1895.
- 2. Manufacture of Coke. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 218. 1895.
- 3. Petroleum [South California, by S. F. PECKHAM]. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 315. 1895.
- 4. Natural Gas in 1894. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 405. 1895.
- 5. The Manganese Ores of the United States. *Coll. Guard.* lxxi. 257. 1896.
- 6. The Petroleum Industry of the United States. *Coll. Guard.* lxxii. 600. 1896.
- WEIBULL, M. Om Kalken vid Tennberget. [Vesuvianite.] *Geol. Fören. Stockh. Förh.* xviii. 73. 1896.
- 2. Om Gedritskiffer från södra Dalarne. *Geol. Fören. Stockh. Förh.* xviii. 377. 1896.
- 3. Om Bliabergsitens Plats i Mineralsystemet. *Geol. Fören. Stockh. Förh.* xviii. 515. 1896.
- & A. UPMARK. Om den s. k. Dicksbergiten från Ransäter i Vermland. *Geol. Fören. Stockh. Förh.* xviii. 523. 1896.
- WEINBERG, E. A. The Refractory Gold Ores of Queensland: their Sources and Treatment. *Rep. Austral. Assoc. Adv. Sci.* 1895, vi. 257. 1896.
- WEINSCHENK, ERNST. Beiträge zur Petrographie der östlichen Centralalpen, speciell des Gross-Venedigerstockes.—I. Ueber die Peridotite und die aus ihnen hervorgegangenen Serpentinesteine. Genetischer Zusammenhang derselben mit den sie begleitenden Mineralagerstätten.—II. Ueber das granitische Centralmassiv und die Beziehungen zwischen Granit und Gneiss. *Abh. math.-phys. Cl. k. bayer. Akad. Wiss.* Abth. 3, xviii. 651, 715. 1895.
- 2. Ueber Epidot und Zoisit. *Zeitschr. f. Kryst.* xxvi. 143. 1896.
- 3. Die Mineralagerstätten des Gross-Venedigerstockes in den Hohen Tauern. [Map, 1:150,000.] *Zeitschr. f. Kryst.* xxvi. 337. 1896.
- WEISS, ARTHUR. Ueber die Conchyliden-Fauna der interglacialen Travertine des Weimar-Taubacher Kalktuffbeckens. *Zeitschr. deutsch. geol. Gesell.* xlvi. 171. 1896.

- WELLER, STUART. A Circum-Insular Palæozoic Fauna. *Journ. Geol. Chicago*, iii. 903. 1895.
- , & [Mrs.] A. D. DAVIDSON. *Petalocrinus mirabilis* (n. sp.) and a New American Fauna [*Goniophyllum*, *Pentamerus*, *Stricklandinia*]. *Journ. Geol. Chicago*, iv. 166. 1896.
- WELLS, G. M. The Florida Rock-Phosphate Deposits. *Trans. Am. Inst. M. E.* xxv. 163. 1896.
- WELLS, HENRY L. From Tehran towards the Caspian. *Geogr. Journ.* viii. 501. 1896.
- WELSCH, JULES. Étude sur les Subdivisions du Miocène de l'Algérie. *Bull. Soc. géol. France*, ser. 3, 1895, xxiii. 271. 1895.
- 2. Note sur la Présence en Algérie des Équivalents marins des Étages sarmatien et pontien. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. lviii. 1895.
- 3. Observations à propos du Mémoire de M. GLANGEAUD sur le Lias et le Jurassique moyen, en Bordure à l'Ouest du Plateau central. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. pp. lxxix, xcix. 1895.
- 4. Note sur la Présence de la Zone à *Ammonites opalinus* et de la Zone à *Ammonites Murchisonæ* dans le Déroit poitevin. *C. R. Soc. géol. France*, 1895, ser. 3, xxiii. p. cxxi. 1895.
- 5. Feuille de Confolens. *Bull. Serv. Carte géol. France*, viii. (no. 53) 43. 1896.
- 6. Note sur le Gisement du Reptile bajocien de Sansac (Charente). *Bull. Soc. géol. France*, ser. 3, xxiv. 267. 1896.
- 7. Observations à propos de la Note de M. BRIVE sur les Terrains pliocènes du Dahra. *Bull. Soc. géol. France*, ser. 3, xxiv. 244. 1896.
- 8. Nouvelles Observations sur la Zone à *Amm. zigzag* et *Amm. fuscus* dans le sud du Déroit du Poitou. *Bull. Soc. géol. France*, ser. 3, xxiv. 311. 1896.
- See BRIVE, A.; see CHARTRON, —; see GLANGEAUD, P.
- WENTZEL, JOSEF. Zur Kenntniss der *Zoantharia tabulata*. *Denkschr. k. Akad. Wissen. Wien*, lxii. 479. 1895.
- WERVEKE, L. VAN. Magneteisen in Minetten. *Zeitschr. f. prakt. Geol.* 1895, 497. 1895.
- 2. Weitere Beiträge zur Kenntniss des Erdölvorkommens im Elsass. *Zeitschr. f. prakt. Geol.* 1896, 41. 1896.
- WESTON, T. C. Notes on Concretions found in Canadian Rocks. *Proc. & Trans. Nova Scotian Inst. Sci.* ix. 1. 1896.
- WESTON, WALTER. Exploration in the Japanese Alps, 1891-94. *Rep. Brit. Assoc. Adv. Sci.* 1895, 761. 1895.
- 2. Exploration in the Japanese Alps, 1891-94. *Geogr. Journ.* vii. 125. 1896.
- WETHERED, EDWARD. B. The Depths of the Sea in Past Epochs. *Proc. Cotteswold Nat. F. C.* xii. 29. 1896.
- WHEELER, WILLIAM HENRY. Littoral Drift in its Relation to the Outfalls of Rivers, and to the Construction and Maintenance of Harbours on Sandy Coasts. *Min. of Proc. Inst. C. E.* cxxv. 2. 1896.
- WHIDBORNE, G. F. A Monograph of the Devonian Fauna of the South of England, vol. iii. part 1.—The Fauna of the Marwood and Pilton Beds of North Devon and Somerset. *Monogr. Palæont. Soc.* 1. 1896.
- 2. A Preliminary Synopsis of the Fauna of the Pickwell Down, Baggy, and Pilton Beds. *Proc. Geol. Assoc.* xiv. 371. 1896.
- See HICKS, H.
- WHITAKER, WILLIAM. Second Chronological List of Works on the Coast-changes and Shore-deposits of England and Wales. *Rep. Brit. Assoc. Adv. Sci.* 1895, 388. 1895.
- 2. Second Chronological List of Works referring to Underground Waters. *Rep. Brit. Assoc. Adv. Sci.* 1895, 394. 1895.
- 3. Some Suffolk Well-sections. *Rep. Brit. Assoc. Adv. Sci.* 1895, 436. 1895.
- 4. The Trial-boring at Stutton. *Rep. Brit. Assoc. Adv. Sci.* 1895, 693. 1895.
- 5. Underground in Suffolk and its Borders; with List of Papers on the Underground Rocks in South-eastern England. *Rep. Brit. Assoc. Adv. Sci.* 1895, 667. 1895.
- WHITE, CHARLES A. Notes on the Invertebrate Fauna of the Dakota Formation, with Descriptions of new Molluscan Forms. *Proc. U.S. Nat. Mus.* Washington, 1894, xvii. 131. 1895.
- 2. The Bear River Formation and its Characteristic Fauna. [Map, scale: 18 miles=1 inch.] *Bull. U.S. Geol. Surv.* no. 128, 1. 1895. And A.C.

- WHITE, R. BLAKE. The Glacial Age in Tropical America. *Rep. Brit. Assoc. Adv. Sci.* 1895, 682. 1895.
- WHITE, TOTTENHAM F. [The Extension of the Main Reef, westward of the Farm Witpoortje.] *Trans. Geol. Soc. S. Africa*, ii. 23. 1896.
- WHITE, T. G. The Original Trenton Rocks. *Am. Journ. Sci.* ser. 4, ii. 430. 1896.
- WHITEAVES, J. F. Notes on some Fossils from the Cretaceous Rocks of British Columbia, with Descriptions of two Species that Appear to be New. *Canad. Rec. Sci.* vi. 313. 1895.
- 2. Descriptions of Eight new Species of Fossils from the (Galena) Trenton Limestones of Lake Winnipeg and the Red River Valley. *Canad. Rec. Sci.* vi. 351. 1895.
- 3. Notes on some of the Cretaceous Fossils collected during Captain Palliser's Explorations in British North America in 1857-60. *Proc. & Trans. Roy. Soc. Canada*, ser. 2, i. sec. iv. 101. 1895. And A.C.
- 4. On some Fossils from the Nanaimo Group of the Vancouver Cretaceous. *Proc. & Trans. Roy. Soc. Canada*, ser. 2, i. sec. iv. 119. 1895. And A.C.
- WICHMANN, A. Der angebliche Schlammausbruch des Gunung Salak im Jahre 1699. [Maps, $\frac{1}{40,000}$ & $\frac{1}{500,000}$.] *N. J. f. Min.* 1896, ii. 1. 1896.
- *WICHMANN, H., & A. C. KRUIJT. Der Posso-See in Celebes. *Peterm. Mitt.* xlii. 160. 1896.
- WIELAND, GEORGE R. *Archelon ischyros*: a new gigantic Cryptodire Testudinate from the Fort Pierre Cretaceous of South Dakota. *Am. Journ. Sci.* ser. 4, ii. 399. 1896.
- WILCOX, WALTER D. Lake Louise, in the Canadian Rocky Mountains. *Geogr. Journ.* vii. 49. 1896.
- WILKENS, H. A. J. See NITZE, H. B. C.
- WILKINSON, WILLIAM FISCHER. On Gold Mining in Rhodesia, British South Africa. [Map, scale: 1 inch=107 miles.] *Journ. Soc. Arts*, xlii. 687, 802. 1896.
- WILLIAMS, GEORGE HUNTINGTON. The General Relations of the Granitic Rocks in the Middle Atlantic Piedmont Plateau. *Ann. Rep. U.S. Geol. Surv.* 1893-94, xv. 657. 1895.
- See KEYES, C. R.
- WILLIAMS, HENRY SHALER. On the Origin of the Chouteau Fauna. *Journ. Geol. Chicago*, iv. 283. 1896.
- WILLIAMSON, W. C., & D. H. SCOTT. Further Observations on the Fossil Plants of the Coal-Measures.—Part II. The Roots of *Calamites*. *Phil. Trans. Roy. Soc.* clxxvi. A. pt. 2, 683. 1896.
- Part III. *Lyginodendron* and *Heterangium*. *Phil. Trans. Roy. Soc.* clxxvi. B. pt. 2, 703. 1896.
- *WILSON, A. G. Frozen Streams of the Iowa Drift Border. *Am. Geol.* xvii. 364. 1896.
- WILSON, EDWARD. Catalogue of the Fossils, Rocks, and Minerals in the Students' Geological Collection in the Bristol Museum. 8vo. Bristol, 1896.
- 2. Guide to the Bristol Museum. 6th edition. 8vo. Bristol, 1896.
- 3. —. 7th edition. 8vo. Bristol, 1896.
- See BUCKMAN, S. S.
- *WIMAN, CARL. The Structure of the Graptolites. *Nat. Sci.* ix. 186, 240. 1896.
- 2. Ueber die Graptoliten. *Bull. Geol. Inst. Univ. Upsala*, ii. 239. 1896. And A.C.
- *WINCHELL, N. H. Lacroix' Axial Goniometer. *Am. Geol.* xvii. 79. 1896.
- *— 2. Microscopic Characters of the Fisher Meteorite (Minnesota, No. 1). *Am. Geol.* xvii. 173. 1896.
- *— 3. Further Examination of the Fisher Meteorite. *Am. Geol.* xvii. 234. 1896.
- *— 4. The Black River Limestone at Lake Nipissing (Ont.). *Am. Geol.* xviii. 178. 1896.
- *— 5. The Missing Link. *Am. Geol.* xviii. 179. 1896.
- *— 6. The Arlington Iron—Minnesota No. 2. *Am. Geol.* xviii. 268. 1896.
- 7. Sur la Météorite tombée le 9 Avril, 1894, près de Fisher (Minnesota). *C. R. Acad. Sci. Paris*, cxxii. 681. 1896.
- 8. Sur un Cristal de Labrador du Gabbro. *Bull. Mus. Hist. nat. Paris*, 1896, 160. 1896.
- 9. Sur un Cristal de Labrador du Gabbro de Minnesota. *Bull. Soc. franç. Min.* xix. 90. 1896.
- *—, & U. S. GRANT. Volcanic Ash from the North Shore of Lake Superior. *Am. Geol.* xviii. 211. 1896.

- WINGE, HERLUF. Jordfundne og nulevende Aber (Primates) fra Lagoa Santa, Minas Geraes, Brasilien. Med Udsigt over Abernes indbyrdes Slægtskab. *Mus. Lundii Afhandl.* ii. pt. 2, no. 3, 1. 1896.
- 2. Jordfundne og nulevende Rovdyr (Carnivora) fra Lagoa Santa, Minas Geraes, Brasilien. Med Udsigt over Rovdyrenes indbyrdes Slægtskab. *Mus. Lundii Afhandl.* ii. pt. 2, no. 4, 1. 1896.
- WINGE, K. Om Diabas-granitgängen vid Brevfen. *Geol. Fören. Stockh. Förh.* xviii. 187. 1896.
- 2. Om Kalkspat från Nordmarken. *Geol. Fören. Stockh. Förh.* xviii. 527. 1896.
- WINSLOW, ARTHUR. The Disseminated Lead-Ores of South-eastern Missouri. [Maps, S.E. Missouri, scale: about 1 inch=2 miles; Mine la Motte Mines, scale: about 1 inch= $\frac{1}{2}$ mile.] *Bull. U. S. Geol. Surv.* no. 132, 9. 1896.
- WINSTANLEY, R. A Few Thoughts on Geology. *Trans. Manch. Geol. Soc.* xxiv. 38. 1895.
- WINTERFELD, FRANZ. Ueber eine *Caïqua*-Schicht, das Hangende und Liegende des Paffrathrer Stringocephalen-Kalkes. *Zeitschr. deutsch. geol. Gesell.* xlvii. 645. 1896.
- 2. Ueber das Alter des Kalkes von Paffrath. *Zeitschr. deutsch. geol. Gesell.* xlviii. 187. 1896.
- WINWOOD, H. H. Notes on the Trias, Rhætic, and Lias of West Somerset. *Proc. Geol. Assoc.* xiv. 378. 1896.
- See HICKS, H.
- , & H. B. WOODWARD. Excursion to Chippenham, Calne, Kellaways, and Corsham. *Proc. Geol. Assoc.* xiv. 339. 1896. And A.C.
- WOLFF, E. See HAUTHAL, R.
- WOLFF, J. E. On an Occurrence of Theralite in Costa Rica, Central America. *Am. Journ. Sci.* ser. 4, i. 271. 1896.
- WOOD, (Miss) E. M. R. See ELLES, (Miss) G. L.
- WOOD, HARRIE. [Mining in New South Wales.] *Rep. Mining Conference, N.S.W.* 1896, 4. 1896.
- WOODS, HENRY. The Mollusca of the Chalk Rock.—Part I. *Q. J. G. S.* lii. 68. 1896.
- WOODWARD, ARTHUR SMITH. Note on the Affinities of the English Wealden Fish-Fauna. *Geol. Mag.* dec. 4, iii. 69. 1896.
- 2. Notes on the Collection of Fossil Fishes from the Upper Lias of Ilminster in the Bath Museum. *Proc. Bath Nat. Hist. F. C.* viii. 233. 1896.
- 3. On some Extinct Fishes of the Teleostean Family Gonorhynchidæ. *Proc. Zool. Soc. London*, 1896, 500. 1896.
- 4. On some Remains of the Pycnodont Fish, *Mesturus*, discovered by Alfred N. Leeds, Esq., in the Oxford Clay of Peterborough. *Ann. Mag. Nat. Hist.* ser. 6, xvii. 1. 1896.
- 5. On the Fossil Fishes of the Upper Lias of Whitby. Part I. *Proc. Yorks Geol. Soc.* 1895, n. s. xiii. 25. 1896.
- 6. On the Quadrate Bone of a Gigantic Pterodactyl discovered by Joseph Mawson, Esq., F.G.S., in the Cretaceous of Bahia, Brazil. *Ann. Mag. Nat. Hist.* ser. 6, xvii. 255. 1896.
- , & H. W. MONCKTON. Report of a Visit to the British Museum (Natural History), Cromwell Road. [Fossil Fishes.] *Proc. Geol. Assoc.* xiv. 302. 1896.
- *WOODWARD, B. B. On a Proposed Classification of the Pelecypoda. *Nat. Sci.* viii. 239. 1896.
- WOODWARD, HARRY PAGE. Notes on the Geology of Western Australia. *Geol. Mag.* dec. 4, i. 545. 1894. A.C.
- 2. Mining Handbook to the Colony of Western Australia. 2nd edition. 8vo. Perth, 1895.
- WOODWARD, HENRY. On the Discovery of the Larval Stage of a Cockroach, *Etblattina Peachii*, H. Woodw., from the Coal-Measures of Kilmours, Ayrshire. *Geol. Mag.* dec. iii. 433. 1887. A.C.
- 2. Demonstration on Edentata, Marsupialia, and Flightless Birds. *Proc. Geol. Assoc.* x. 457. 1888. A.C.
- 3. On a New Species of *Æger* from the Lower Lias of Wilmcote, Warwickshire. *Geol. Mag.* dec. 3, v. 385. 1888. A.C.
- 4. On *Eryon antiquus*, Broderip, sp., from the Lower Lias, Lyme Regis, Dorset. *Geol. Mag.* dec. 3, v. 433. 1888. A.C.
- 5. On the Discovery of *Turrilepas* in the Utica Formation (Ordovician) of Ottawa, Canada. *Geol. Mag.* dec. 3, vi. 271. 1889. A.C.
- 6. On a New British Isopod (*Cyclospheroma trilobatum*) from the Great Oolite of Northampton. *Geol. Mag.* dec. 3, vii. 529. 1890. A.C.

- WOODWARD, HENRY. 7. On a Neuropterous Insect from the Lower Lias, Barrow-on-Soar, Leicestershire. *Geol. Mag.* dec. 3, ix. 193. 1892. A.C.
- 8. An Address delivered at the Anniversary Meeting of the Malacological Society of London, on the 13th July, 1894. *Proc. Malacol. Soc. London*, i. 178. 1894.
- 9. Note on a Collection of Carboniferous Trilobites from the Banks of the Hodder, near Stonyhurst, Lancashire. *Geol. Mag.* dec. 4, i. 481. 1894. A.C.
- 10. Contributions to our Knowledge of the Genus *Cyclus*, from the Carboniferous Formation of various British Localities. *Geol. Mag.* dec. 4, i. 530. 1894.
- 11. Note on the Reconstruction of *Iguanodon* in the British Museum (Natural History), Cromwell Road. *Geol. Mag.* dec. 4, ii. 289. 1895. A.C.
- 12. On some Decapod Crustacea from the Cretaceous Formation of Vancouver's Island, &c. *Rep. Brit. Assoc. Adv. Sci.* 1895, 696. 1895.
- 13. Life-History of the Crustacea in Later Palæozoic and in Neozoic Times. *Q. J. G. S.* lii. p. xci. [Presidential Address.] 1896.
- 14. On a Fossil Octopus (*Calais Newboldi*, J. De C. Sby. MS.) from the Cretaceous of the Lebanon. *Q. J. G. S.* lii. 222. 1896.
- 15. On some Podopthalmatous Crustacea from the Cretaceous Formation of Vancouver and Queen Charlotte Islands. *Q. J. G. S.* lii. 229. 1896.
- WOODWARD, HORACE B. Memoirs of the Geological Survey of the United Kingdom. The Jurassic Rocks of Britain.—Vol. V. The Middle and Upper Oolitic Rocks of England (Yorkshire excepted). [Geological Map, scale: 20 miles = 1 inch.] 8vo. London, 1895.
- 2. Note on a Section at the North Cliff, Southwold. *Rep. Brit. Assoc. Adv. Sci.* 1895, 678. 1895.
- 3. —. *Geol. Mag.* dec. 4, iii. 354. 1896.
- 4. Notes on Sections along the London Extension of the Manchester, Sheffield, and Lincoln Railway, between Rugby and Aylesbury. [Willoughby (Northants), Catesby (Northants), Woodford Halse (Northants), Radstone (Northants), Brackley (Northants), Chetwode (Bucks), and Steeple Claydon (Bucks). *Rep. Brit. Assoc. Adv. Sci.* 1896 (1). 1896. A.C.
- * — 5. [Memoir of] Joseph Prestwich. *Nat. Sci.* ix. 89. 1896. And A.C.
- 6. Sir Joseph Prestwich, D.C.L., F.R.S. *Nature*, liv. 202. 1896.
- See WINWOOD, H. H.
- WOODWARD, R. S. The Condition of the Interior of the Earth. *Trans. N.Y. Acad. Sci.* xiv. 72. 1895.
- * WOODWORTH, J. B. The Retreat of the Ice-sheet in the Narragansett Bay Region (Rhode Island). [Map, scale: 1 inch = 3½ miles.] *Am. Geol.* xviii. 150. 1896.
- , & C. F. MARBUT. The Queen's River Moraine in Rhode Island. *Journ. Geol. Chicago*, iv. 691. 1896.
- * WORTHEN, A. H. (Director), C. WACHSMUTH, FRANK SPRINGER, E. O. ULRICH, OLIVER EVERETT, & JOSHUA LINDAHL. Report of the Geological Survey of Illinois. Vol. VIII. Geology and Palæontology. 8vo. Springfield (Ill.), 1890.
- WOLTERSTORFF, WILLI. Die Conchylienfauna der Kalktuffe der *Helix canthensis*, Beyr., Stufe des Altpleistocän, von Schwanebeck bei Halberstadt. *Zeitschr. deutsch. geol. Gesell.* xlvi. 192. 1896.
- * WRIGHT, FRED. B. The Origin of the Wind Gap [Blue Mountains (Pa.), with Map, scale: 1 inch = 6 miles.] *Am. Geol.* xviii. 120. 1896.
- WULFF, L. Bemerkungen zu der Arbeit von J. W. Retgers: 'Zur Definition des Begriffes 'Krystall.' *N. J. f. Min.* 1896, ii. 123. 1896.
- WYSOGÓRSKI, JOHANN. Ueber das Alter der Sadewitzer Geschiebe. *Zeitschr. deutsch. geol. Gesell.* xlvi. 407. 1896.
- YALE, CHARLES G. Magnesite. *Ann. Rep. U.S. Geol. Surv.* xvi. 1894-95, pt. iv. 514. 1895.
- 2. Table showing by Counties the Mineral Productions of California for the year 1894. *Bull. Calif. State Mining Bur.* no. 7. 1895. [Sheet.]
- 3. Statistics showing by Counties the Mineral Productions of California for the year 1895. *Bull. Calif. State Mining Bur.* no. 8. 1896. [Sheet.]
- YAMASAKI, N. On the Volcanic Island Oshima (Vries Island). [Map, $\frac{1}{100,000}$] 8vo. Tokio, 1896. (In Japanese.)
- YOUNG, JOHN. Geology in Glasgow University. *Nature*, lii. 307. 1896.
- ZACCAGNA, D. La Carta geologica delle Alpi apuane ed i Terreni che le costituiscono. *Boll. Soc. geol. ital.* xv. 214. 1896.
- ZAHÁLKA, C. Vorläufige Notiz über die Entstehung der Lössspuppen in Nord-Böhmen. *Verh. k.-k. geol. Reichsanst.* 1896, 286. 1896.

- ZEILLER, R. Notes sur la Flore des Gisements houillers de La Rhune et d'Iban-telly (Basses-Pyrénées). [*Equisetites spatulatus*.] *Bull. Soc. géol. France*, ser. 3, xxiii. 482. 1895.
- 2. Note sur la Flore fossile des Gisements houillers de Rio Grande do Sul (Brésil méridional). *Bull. Soc. géol. France*, ser. 3, xxiii. 601. 1896.
- 3. Le Marquis G. de Saporta, sa Vie et ses Travaux. *Bull. Soc. géol. France*, ser. 3, xxiv. 197. 1896.
- 4. Etude sur quelques Plantes fossiles, en particulier *Vertebraria* et *Glossop-teris*, des Environs de Johannesburg (Transvaal). *Bull. Soc. géol. France*, ser. 3, xxiv. 349. 1896. And A.C.
- 5. Remarques sur la Flore fossile de l'Altaï à propos des dernières Découvertes paléobotaniques de MM. les Drs. Bodenbender et Kurtz dans la République argentine. *Bull. Soc. géol. France*, ser. 3, xxiv. 466. 1896. A.C.
- 6. Sur quelques Empreintes végétales des Gisements houillers du Brésil méridional. *C. R. Acad. Sci. Paris*, cxxi. 961. 1895. And A.C.
- 7. Sur l'Attribution du Genre *Vertebraria*. *C. R. Acad. Sci. Paris*, cxxii. 744. 1896. And A.C.
- ZEISE, O. Ueber das Vorkommen von Radiolarien im Tertiär der Provinz Schleswig-Holstein. *Jahrb. k.-k. preuss. geol. Landesanst.* 1894, xv. *Abh. Mitarb.* 1. 1895.
- *ZELLER, A. Zur Kenntniss der Minerallagerstätten des Binnenthales. *Jahrb. Schw.-Alpenclub*, xxxi. 279. 1896.
- ZERENER, M. B. Ueber afrikanische und australische Goldgewinnung jetzt und in Zukunft, nebst geschichtlichem und geographischem Ueberblick über die Goldfelder von Coolgardie. *Berg-hütt. Jahrb. Wien*, xliii. 407. 1895.
- ZIETZ, A. H. C. See STIRLING, E. C.
- ZIMMERMANN, E. Bericht über besondere Ergebnisse seiner 1893 und 1894 ausgeführten Aufnahmen auf den Blättern Hirschberg a. d. Saale (Osttheil), Gefell (Westtheil) und Schleiz (Südwesttheil). *Jahrb. k.-k. preuss. geol. Landesanst.* 1894, xv. p. xlv. 1895.
- *ZITTEL, K. von. Palæontology and the Biogenetic Law. *Am. Geol.* xviii. 140. 1896.
- ZSCHIMMER, E. Die Hyacinthen (Quarze) der Gypse des Röth bei Jena. *Min. petr. Mitth.* n. F. xv. 457. 1896.
- ZÜRCHER, P. Note sur la Structure de la Région de Castellane (Basses-Alpes). *Bull. Serv. Carte géol. France*, vii. no. 48, 1. 1895. [Maps of the Castellane District, $\frac{1}{400,000}$ & $\frac{1}{200,000}$.]
- 2. Feuille de Castellane. *Bull. Serv. Carte géol. France*, viii. (no. 53) 194. 1896.
- 3. Feuille de Nice. *Bull. Serv. Carte géol. France*, viii. (no. 53) 195. 1896.
- . See KILIAN, W., &c.; see MICHEL-LÉVY, A.

SUBJECT INDEX.*

- Aachen (Rhenish Prussia). *See* Holz-
apfel, E.
— *See* Aix-la-Chapelle.
Aar (Switzerland). *See* Lubbock, Sir J.
Aas (Christiania). *See* Jonsson, J.
Aberdeenshire. *See* Hinxman, L. W.,
& J. J. H. Teall.
Abergavenny District (Mon., &c.). *See*
Dakyns, J. R., &c.
'Abimes.' *See* Caverns.
'Abri-sous-roche de la Source' near
Eyzies (Dordogne). *See* Rivière, E.
Absarokite. *See* Iddings, J. P.
Absorption Power of Rocks. *See* Crema,
C.
Acanthoceras. *See* Jukes-Browne, A. J.,
& W. Hill.
— *mammillatum*-zone, Dorset. *See*
Newton, R. B.
Acanthodidæ. *See* Davis, J. W.
Acanthonemopsis. *See* Bonomi, I.
Acera, Jurassic. *See* Cossmann, M.
Aceratherium. *See* Studer, T.
Acerularia. *See* Barrois, C.
Acidaspis. *See* Lake, P.; *see* Maurer,
F.; *see* Reed, F. R. C.
Ackton Hall Colliery, near Pontefract
(Yorks). Thinning-out of Silkstone
and Beeston Coal-seams. *See* Durn-
ford, H. St. J.
Acclisina. *See* Whidborne, G. F.
Acrostichum. *See* Ettingshausen, C.
Freih. von.
Actæon, Jurassic. *See* Hudleston, W. H.
Actæonina. *See* Cossmann, M.; *see*
Hudleston, W. H.
Actinoceras. *See* Tate, R.; *see* Whid-
borne, G. F.
Actinocrinus. *See* Miller, S. A., &
W. F. E. Gurley.
Actinolite, Brazilian. *See* Costa-Sena,
J. C. da.
—, Ouro Preto (Brazil). *See* Costa-
Sena, J. C. da.
Actinopteria. *See* Barrois, C.
Actinostroma. *See* Suess, E., &c.
'Active' Cruise. *See* Bruce, W. S.; *see*
Donald, C. W.
Adamello Alps (Lombardy) Tonalite.
See Grubenmann, U.
Adirondacks (N.Y.) Titaniferous Iron
Ores. *See* Kemp, J. T.
Adour River (S. France) Flint Pebble
Deposits. *See* Harlé, E.
Adriatic Shore Sand. *See* Artini, E.
Ædipos (Greece) Hot Springs. *See*
Dambergis, A. K.
Æger. *See* Woodward, H.
Æglina. *See* Beecher, C. E.; *see* Ber-
geron, J.
Ægoceras. *See* Fucini, A.; *see* Levi, G.
Æpyornis. *See* Andrews, C. W.; *see*
Milne-Edwards, A.
Ærinite. *See* Lacroix, A.
Aerolite, Yorkshire. *See* Brierley, H.
Aflonian, Illinois. *See* Hershey, O. H.
Africa, Earthquakes. *See* Montessus de
Ballore, F. de.
— (East). *See* Somaliland.
— (Equatorial), Angola. *See* Choffat, P.
— (—, East). *See* Gregory, J. W.;
Stromer von Reichenbach, E. Freih.
—, German Protectorates. *See* Stro-
mer von Reichenbach, E. Freih.
— (North). *See* Algeria; *see* Peron, A.
— (—), Algerian Calamine Deposits.
See Gentil, L.
— (—), — Phosphate. *See*
Blayac, J.
— (—), Constantine. *See* Ficheur,
E.
— (—), Hydrology. *See* Carton, —.
— (—), Soils and Rocks of Tripoli.
See Fucini, A.
—, Northern Soudan. *See* Bent, J. T.
— (N.E.), Erythraea. *See* Sabatini, V.
— (South). *See* Emmons, S. F.; *see*
Struben, F. P. T.
— (—), Address on African Geology.
See Exton, H.
— (—) Coalfields. *See* Brown, W. F.
— (—), Cretaceous Mollusca. *See*
Newton, R. B.
— (—), Geology of. *See* Launay,
L. de.
— (—), Glacial Phenomena. *See*
Schenk, A. J.
— (—), Gold. *See* Demaret, —;
see Zereiner, M. B.
— (—), Gold Deposits. *See* Czysz-
kowski, S.
— (—), Griqualand West. *See*
Marloth, R.
— (—), Karoo-Plants. *See* Zeiller, R.
— (—), Lydenburg (Transvaal)
Gold. *See* Kuntz, J.
— (—), Mashonaland. *See* Wilkin-
son, W. F.
— (—), Matabeleland. *See* Shaw,
F. G.

* All fossil-names are those of genera which are figured or occur in the titles of papers.

- Africa (South), Mining Industry of Zululand. *See* Garrard, J. J.
- (—), Namaqualand. *See* Stromer von Reichenbach, E. Freih.
- (—), Nitrates in Griqualand West, *See* Marloth, R.
- (—), Perno-Triassic Plants. *See* Zeiller, R.
- (—), Pilgrims' Rest District (Transvaal). *See* Brown, N.
- (—), Rhodesia. *See* Wilkinson, W. F.
- (—), Transvaal. *See* Brown, N.; *see* Bunkell, H. B.; *see* Cumenge, E.; *see* Czeszkowski, S.; *see* Demaret, —; *see* Draper, D.; *see* Frames, M. E.; *see* Hatch, F. H.; *see* Kuntz, J.; *see* Lapierre, —; *see* Launay, L. de; *see* Lobley, J. L.; *see* Lodin, A.; *see* Moore, C. W.; *see* Phillips, J. A., & H. Louis; *see* Rait, H. T.; *see* Sawyer, A. R.; *see* Schenk, A. J.; *see* Tottenham, R. G. S.; *see* White, T. F.; *see* Zereiner, M. B.
- (—), Carboniferous Beds. *See* Lapierre, —.
- (—), Witwatersrand Conglomerates. *See* Witwatersrand.
- (—), Zululand. *See* Garrard, J. J.
- (South-eastern), Nummulitic Limestone. *See* Newton, R. B.
- (South-western). *See* Stromer von Reichenbach, E. Freih.
- African Iron Ores. *See* Birkinbine, J.
- (South) Diamonds. *See* Bauer, M.
- Agaricocrinus*. *See* Miller, S. A., & c.
- Agassiz, Lake. *See* Tyrrell, J. B.
- Agassizocrinus*. *See* Miller, S. A., & c.
- Agate. *See* Bauer, M.
- Agnatites*. *See* Whidborne, G. F.
- Agnostus*-beds, West Gotland (Sweden). *See* Wallerius, I. D.
- Agronomic Maps. *See* Gosselet, J.
- Åhus-sandstone. *See* Hennig, A.
- Ailsa Crag (Firth of Clyde). *See* Wallis, H. M.
- Ailsite. *See* Wallis, H. M.
- Aix-la-Chapelle (Rhenish Prussia). *See* Holzapfel, E.
- (—), Upper Cretaceous. *See* Rutot, A.
- *See* Aachen.
- Ajibik Quartzite, Michigan. *See* Van Hise, C. R., & c.
- Alabama (U.S.A.). Building Stones. *See* Day, W. C.
- (—), Chrome. *See* Glenn, W.
- (—), Coal. *See* Parker, E. W.
- (—), Geological Surveys. *See* Klittke, M.
- (—), Gold. *See* Brewer, W. M.; *see* Nitze, H. B. C., & H. A. J. Wilkens.
- (—), Belt Rocks (Upper) and Minerals. *See* Smith, E. A., & c.
- (—), Iron-Ore. *See* Birkinbine, J.; *see* Phillips, W. B.
- (—), Phosphates and Marls. *See* Smith, E. A.
- Alachua Clays (Florida) Mammals. *See* Leidy, J.
- Alais (Gard). *See* Cayeux, L.; *see* Fabre, G.
- Alaska. *See* Dall, W. H.
- Fossil Flora. *See* Knowlton, F. H.
- , Geological Surveys. *See* Klittke, M.
- , Gold Deposits. *See* Becker, G. F.
- Alatyr, Simbirsk (Russia) Sandstone Dykes. *See* Pavlov, A. P.
- Albany Co. (N.Y.). *See* Darton, N. H.; *see* Nason, F. L.
- Albarracin (Ternel). *See* Calvo, L.
- Albenza (Bergamo), Monte. *See* Taramelli, T.
- Albère Massif (Eastern Pyrenees). *See* Roussel, J.
- Alberta (Canada) Glacial Deposits. *See* Dawson, G. M., & R. G. McConnell.
- Albertville (Savoy). *See* Douxami, H.; Hollande, —; *see* Lugeon, M.; *see* Offret, A.; *see* Pâquier, V.; *see* Révil, J.
- Albesti (Roumania). *See* Popovici-Hatzeg, V.
- Albi (Tarn). *See* Dereims, —.
- Albian. *See* Munier-Chalmas, —, & A. de Lapparent.
- , Dorset. *See* Newton, R. B.
- Albion Phosphate District (Fla.). *See* Cox, E. T.
- Albitophyres. *See* Michel-Lévy, A.
- Alcyonaria*. *See* Sardeson, F. W.
- Alectryonia*. *See* Newton, R. B.
- Alemtejo (Portugal) Carboniferous Plants. *See* Lima, W. de.
- (—) Olenidæ Zone. *See* Delgado, J. F. N.
- Alenian, Central Apennine. *See* Bonarelli, G.
- Alethopteris*. *See* Horne, J.
- Alfeld (Hanover) Gravity Measurements. *See* Koenen, A. von.
- Alga, Calabrian Lias. *See* Greco, B.
- , Carboniferous. *See* Renault, B.
- , Flysch. *See* Gümbel, W. von.
- , Formation of Kerosene Shales by. *See* Bertrand, C. E.
- , Markings. *See* Fuchs, T.
- , Palæozoic Portuguese. *See* Choffat, P.
- , Trenton Limestone. *See* Whiteaves, J. F.
- Algeria. *See* Peron, A.; *see* Répelin, —; *see* Welsch, J.
- , Eocene of Mouïas Mts. (Constantine). *See* Ficheur, E.
- , Gypsum. *See* Gentil, L.
- , Ophitic Eruptions. *See* Gentil, L.
- , Oued Cherf Valley. *See* Blayac, J.
- , Tafna Tertiary Basin. *See* Gentil, L.
- , Tectonic Geology of Blida Atlas. *See* Ficheur, E.
- Algerian Calamine Deposits. *See* Gentil, L.
- Fossil Mammals. *See* Pomel, A.
- Igneous Rocks and Minerals. *See* Gentil, L.

- Algerian Phosphates. *See* Blayac, J.
 — Pliocene. *See* Brive, A.; *see* Welsch, J.
 — Quaternary Elephants and Rhinoceros. *See* Pomel, A.
 — Sarmatian & Pontian. *See* Welsch, J.
 — Shotts. *See* Staudinger, P.
 'Algonkian,' as applied to Scandinavia. *See* Törnebohm, A. E.
 — Formation, Michigan. *See* Van Hise, C. R., &c.
 Alicante (Spain) Secondary Rocks. *See* Nicklès, R.
 Alkali Mineral, New. *See* Foote, W. M.
 — Salts, Geological Agency of. *See* Hilgard, E. W.
 Allamakee Co. (Iowa). *See* Calvin, S.
 Allauch Massif (Bouches-du-Rhône) Folds. *See* Fournier, E.
 Allenton (Derbys), Mammalian Remains at. *See* Arnold-Bemrose, H. H., & R. M. Deeley.
 Alluvial Drift Timber, Swansea (Tasmania). *See* Legge, W. V.
 Alluvium, Apennine. *See* Sacco, F.
 —, Durance Valley (Provence). *See* Duparc, L., & W. Kilian.
 —, Garonne River near Toulouse (Haute-Garonne). *See* Harlé, E.
 —, Prussian. *See* Jentszsch, A.
 —, Rocks, Durance Valley (Provence). *See* Duparc, L., &c.
 Almandite. *See* Bauer, M.
 Almenno (Bergamo), Pliocene Glaciation. *See* Taramelli, T.
 Almeria (Spain) Secondary Rocks. *See* Nicklès, R.
 Alnö Island (Sweden). *See* Högbohm, A. G.
 Alnöite. *See* Holmqvist, P. J.; *see* Raimann, E., & F. Berwerth.
 — Dykes, Manheim (N.Y.). *See* Smyth, C. H., Jun.
 Alpine Drinking-water Supply. *See* Blaas, J.
 — Europe Oligocene. *See* Oppenheim, P.
 — Geology. *See* Kilian, W.; *see* Lubbock, Sir J.
 — Glaciers. *See* Grossmann, K.; *see* Hull, E.; *see* Kendall, P. F.; *see* Preller, C. S. Du R.
 — Sandstone Zone, Austrian. *See* Paul, C. M.
 — Trias. *See* Benecke, E. W.
 — Triassic Lamellibranchiata. *See* Bittner, A.
 Alps. *See* Bonney, T. G.; *see* Carez, L.; *see* Haug, E.; *see* Lubbock, Sir J.; *see* Marr, J. E.; *see* Steinmann, G.
 —, Bavarian. *See* Reis, O. M.
 —, Carboniferous District of French. *See* Kerner, F. von.
 —, Carnic. *See* Rosiwal, A.
 —, Central (Switzerland). *See* Queureau, E. C.
 —, Cottian. *See* Gregory, J. W.; *see* Novarese, V.; *see* Stella, A.
 Alps, East Central. *See* Weinschenk, E.
 — (Japanese). *See* Weston, W.
 — (Lepontine). *See* Mattiolo, E.
 —, Lower Triassic Fauna (Italian). *See* Tommasi, A.
 — (New Zealand). *See* Fitzgerald, E. A.
 — (Styrian). *See* Clar, K.; *see* Doelter, C.; *see* Ippen, J. A.
 —, Triassic Reef-limestone. *See* Arthaber, G. von.
 —, Water Supply. *See* Blaas, J.
 — (Western). *See* Gregory, J. W.; *see* Lugeon, M.; *see* Lory, P.; *see* Porro, C.
 — (—). Igneous Rock Nomenclature. *See* Novarese, V.
 Alsace, Asphalt and Petroleum. *See* Jasper, —.
 —, Petroleum. *See* Werveke, L. von.
 —, Lorraine. *See* Grossouvre, A. de; *see* Vélain, C.
 Alsó-Apsa, Marmaros (Hungary). *See* Posewitz, T.
 Altaï (Turkestan), Geological Bibliography, &c. *See* Inostranzew, A.
 — (—), Cartography. *See* Pletner, W.
 — (—), Plants. *See* Zeiller, R.
 Altcar (Lancs). *See* Morton, G. H.
 Altenberg (Saxony), Tin Ore Deposits. *See* Beck, R.
 — (Silesia), Ore Deposits. *See* Rosenberg-Lipinsky, — von.
 Aletsch Glacier (Valais). *See* Preller, C. S. Du R.
 Alumina, Phosphate. *See* Davison, J. M.
 Aluminite. *See* Murton, C. J., and S. Shaw.
 Aluminium. *See* Garnier, J.; *see* Packard, R. L.
 Alveolites. *See* Barrois, C.; *see* Suess, E., &c.
 Amaltheus. *See* Fucini, A.
 Amauropsis. *See* Vogel, F.
 Amber. *See* Bauer, M.; *see* Conwentz, H.; *see* Kunz, G. F.
 Ambérieu (Ain). *See* Boistel, —.
 Amblypoda. *See* Osborn, H. F., & C. Earle.
 Ambocelia. *See* Clarke, J. M.
 Ambon (Moluccas). *See* Schroeder van der Kolk, J. L. C.; *see* Vogel, F.
 Ambrym Island (New Hebrides). *See* Purey-Cust, H. E.
 Amélie-les-Bains (Pyrénées-Orientales) Tertiary and Secondary Deposits. *See* Roussel, J.
 America, Glacial Periods. *See* Taber, C. A. M.
 — (Central), Mud Volcanoes and Hot Springs. *See* Sapper, C.
 — (—), Yucatán. *See* Howe, J. L., & H. D. Campbell.
 — (North), Diamonds. *See* Bauer, M.
 — (—), East Coast Jurassic Formation. *See* Marsh, O. C.

- America (North), Geological Surveys of States. *See* Klittke, M.
 — (—), Igneous Intrusions. *See* Russell, I. C.
 — (—), Lakes. *See* Herbertson, A. J.
 — (—), Marine Miocene Fauna. *See* Cope, E. D.
 — (—), Tertiary Lacustrine Formations. *See* Scott, W. B.
 — (South). *See* Steinmann, G.; *see* Lista, R.
 — (—), Andes. *See* Ambrosetti, J. B.
 — (—), Fossil Mammals, &c. *See* Ameghino, F.
 — (—), Minerals. *See* Hohmann, T.
 — (—), Tertiary Mammals. *See* Mercerat, A.
 — (—), Venezuela (Northern). *See* Sievers, W.
 — (—), Southern. *See* Arctowski, H.
 — (Tropical), Glacial Age in. *See* White, R. B.
 American Bison. *See* Rhoads, S. N.
 — Carboniferous Nomenclature. *See* Keyes, C. R.
 — Caverns. *See* Owen, L. A.
 — Fossil Cockroaches. *See* Scudder, S. H.
 — Glacial Deposits. *See* Upham, W.
 — Glaciation. *See* Upham, W.
 — Iron Ores, North and South. *See* Birkinbine, J.
 — (North) Artesian Basins. *See* Maitland, A. G.
 — (—) Ordovician Fauna. *See* Matthew, G. F.
 — (—) Palæozoic Fauna. *See* James, J. F.
 — (—) Pre-Cambrian Rocks. *See* Van Hise, C. R.
 — Petrology. *See* Harker, A.
 Amethyst. *See* Bauer, M.
 Amiata (Tuscany), Hydrology of Monte. *See* Sestini, F.
 Ammoniacal Nitrogen in Primitive Rocks. *See* Erdmann, H.
 Ammonite Sexes. *See* Bather, F. A.
 Ammonites, Bernese-Jura Rauracian. *See* Loriol, P. de.
 —, Borneo Liassic. *See* Krause, P. G.
 —, Calabrian Lias. *See* Greco, B.
 —, Callovian. *See* Bizet, T.
 —, Caucasian Cretaceous. *See* Inostranzev, A., &c.
 —, Cenomanian. *See* Jukes-Browne, A. J., & W. Hill.
 —, Cretaceous. *See* Grossouvre, A. de.
 — in Drift, Moreseat (Aberdeen). *See* Sharman, G., & E. T. Newton.
 —, Himalayan Trias. *See* Diener, C.; *see* Mojsisovics von Mojsvár, E. von.
 —, Salt-Range (Panjab) Trias. *See* Waagen, W.
 —, Jurassic. *See* Parona, C. F., & G. Bonarelli.
 —, —, &c., Württemberg. *See* Engel, T.
 Ammonites, Jurassic, in Swabian Jura. *See* Pompeckj, J. F.
 —, Liassic. *See* Fucini, A.; *see* Levi, G.
 —, Monte Pisano (Tuscany) Triassic. *See* Fucini, A.
 —, New Caledonian Triassic. *See* Mojsisovics von Mojsvár, E. von.
 —, Normandy Jurassic. *See* Brasil, L.
 —, North Italian Jurassic. *See* Parona, C. F.
 —, ——— Triassic. *See* Tommasi, A.
 —, Pacific Coast Cretaceous. *See* Stanton, T. W.
 —, Pyrenees Turonian. *See* Roussel, J.
 —, Rauracian. *See* Loriol, P. de.
 —, Swabian Liassic. *See* Pompeckj, J. F.
 —, Triassic. *See* Philippi, E.
 —, Vancouver (B.C.) Cretaceous. *See* Whiteaves, J. F.
 Ammonoidea. *See* Koken, E.
 Amphibole. *See* Lacroix, A.; *see* Buttgenbach, H.
 Amphibolite (N.S.W.). *See* Jaquet, J. B.
 —, Norwegian. *See* Kjerulf, T.
 —, Tuscan, &c. *See* Franchi, S.
 Amphion. *See* Bergeron, J.
 Amphiope. *See* Loriol, P.
 Amphipoda. *See* Woodward, H.
 Amphisphyra, Jurassic. *See* Cossmann, M.
 Amphitragulus. *See* Studer, T.
 Amphocrinus. *See* Miller, S. A., &c.
 Amphyceras. *See* Levi, G.
 Amplexus. *See* Barrois, C.
 —. *See* Suess, E., &c.
 Ampyx. *See* Reed, F. R. C.
 'Amsteliën.' *See* Harmer, F. W.
 Anacestes. *See* Maurer, F.
 Anachropteris. *See* Renault, B.
 Analcite. *See* Friedel, G.
 — Rocks. *See* Pirsson, L. V.
 Anapterus. *See* Bonomi, I.
 Anatase. *See* Buttgenbach, H.; *see* Lacroix, A.
 Anatibetites. *See* Mojsisovics von Mojsvár, E. von.
 Anatifopsis. *See* Whidborne, G. F.
 Anatina. *See* Bizet, T.
 Anatolia (Asia Minor). *See* Arslanian, D.
 Anatomites. *See* Mojsisovics von Mojsvár, E. von.
 Ancillaria. *See* Gregorio, Marquis A. de.
 Ancylus-clay, Diatomaceæ and Fossil Seal. *See* Munthe, H.
 —, Upland (Sweden). *See* Nathorst, A. G.
 Andalusite. *See* Bauer, M.
 Andes (S. America). *See* Ambrosetti, J. B.; *see* Arctowski, H.
 — (—) Southern. *See* Lista, R.

- Andesite. *See* Rosenbusch, H.
 —, Kermadec Islands. *See* Speight, R.
 —, Ságħ Mts., Szob (Hungary). *See* Szadeczky, J.
 —, Wyoming (U.S.A.). *See* Iddings, J. P.
 —, Tuff, Chrysocolla in. *See* Pethó, J.
 Andesites, Ecuador. *See* Reiss, W., &c.
 Andradite. *See* Bauer, M.; *see* Harrington, B. J.
 —, Titaniferous. *See* Adams, F. D., & B. J. Harrington.
Andromeada. *See* Ettingshausen, C. Freih. von.
 Angers (Maine-et-Loire), *Uralichas* from Schist of. *See* Ehlert, D. P.
 Anglesey, Crush-Conglomerates. *See* Geikie, Sir A.
 —, Map of. *See* Geikie, Sir A., &c.
 —, Ordovician and Carboniferous. *See* Greenly, E.
 — (Central), Sillimanite Gneisses. *See* Greenly, E.
 — (South-eastern), Quartzite Lenticles in Schists. *See* Greenly, E.
 Anglia (East). *See* Harmer, F. W.; *see* Howorth, Sir H. H.; *see* Whitaker, W.
 — (—), 'Pebble Gravel.' *See* Salter, A. E.
 Anglian (East) Boulder Clay. *See* Hill, E.
 Angola (Equatorial Africa). *See* Choffat, P.
 Angora (Anatolia). *See* Arslanian, D.
 Angoulême (Charente). *See* Glangeaud, P.
 'Anhedron.' *See* Pirsson, L. V.
 Anhydrite, Ontario. *See* Nicol, W.
 Animikie Rocks, Thunder Bay (Lake Superior). *See* Inggall, E. D.
Anioceras. *See* Whiteaves, J. F.
 Annecy (Savoy). *See* Douxami, H.
 Annelid, Carboniferous Limestone. *See* Hinde, G. J.
 Annelids. *See* Hinde, G. J.
 —, Palæozoic. *See* Miller, S. A., & W. F. E. Gurley.
 Anniviers (Pennine Alps), Pebble Quartzschist of the Val d'. *See* Bonney, T. G.
Annularia. *See* Renault, B.
Anomalopteryx. *See* Hutton, F. W.
 Anomodontia. *See* Seeley, H. G.
Anomæodus. *See* Priem, F.
Anoplophora. *See* Bittner, A.
 Anorthosites, Adirondack Mts. (N.Y.). *See* Kemp, J. F.
 Ant-Bear, Pliocene. *See* Andrews, C. W.
 Antarctic. *See* Arctowski, H.; *see* Borchgrevink, C. E.; *see* Bruce, W. S.; *see* David, T. W. E.; *see* Donald, C. W.
 —, Fossil Mollusca. *See* Sharman, G., & E. T. Newton.
 —, Research. *See* Schaw, —.
 Anthozoa. *See* Koken, E.
 Anthracite Beds, Pennsylvania (U.S.A.). *See* Lyman, B. S.
 —, Origin of. *See* Gresley, W. S.
 Anthracite, Pennsylvania (U.S.A.). *See* Jones, J. H.
Anthracomya. *See* Dawson, Sir J. W.; *see* Hind, W.
Anthracosia. *See* Dawson, Sir J. W.
 Antibes (Alpes-Maritimes) Porphyry. *See* Michel-Lévy, A.
 Antilles, Earthquakes. *See* Montessus de Ballore, F. de.
 Antilope, West Russian Diluvium. *See* Nehring, A.
 Antilopes, Algerian Fossil. *See* Pomel, A.
 Antimonite. *See* Heberdey, P.; *see* Laspeyres, H., & E. Kayser; *see* Liversidge, A.; *see* Peck, F. B.
 Antimony. *See* Parker, E. W.
 Antipodes Island (N.Z.). *See* Hector, Sir J.
 'Anversien.' *See* Dewalque, G.; *see* Mourlon, M.
 Apache Mts. (Tex.). *See* Osann, A.
 Apatite. *See* Bauer, M.; *see* Carnot, A.; *see* Ferrier, W. F.; *see* Gruner, H.; *see* Liversidge, A.
 —, Elba. *See* Artini, E.
 —, Kvikkjök (Norrbotten Län). *See* Svenonius, F.
 —, Swedish. *See* Svenonius, F.
 —-bearing Rocks, Sweden. *See* Andersson, J. G.
 —, Ottawa (Ont.). *See* Ells, R. W.
 —, Region, Ottawa Co. (Canada). *See* Gordon, C. H.
 Apennine Eruptive Rocks. *See* Chelussi, I.
 Apennines. *See* Sacco, F.
 — (Central). *See* Bonarelli, G.
 — (—), Callovian. *See* Bonarelli, G.
 — (—), Jurassic. *See* Canavari, M.
 —, Earthquake. *See* Baratta, M.
 — (Emilian), Native Mercury. *See* Pantanelli, D.
 — (Northern), Flysch Clays & Tertiary Serpentine of. *See* Trabucco, G.
 — (Southern). *See* Cassetti, M.
 Apes, Brazilian. *See* Winge, H.
Aphyllites. *See* Maurer, F.
Apidium. *See* Stolley, E.
Apiocrinus. *See* Crema, C.
Apocynophyllum. *See* Ettingshausen, C. Freih. von.
 Apophyllites, Pennsylvanian. *See* Bascom, F.
Aporoxylon. *See* Renault, B.
 Appalachian Chrome Region, Southern. *See* Glenn, W.
 —, Crystalline Belt Corundum. *See* Lewis, J. V.
 —, Erosion. *See* Keith, A.
 —, Goldfields (U.S.A.). *See* Becker, G. F.
 —, Granites. *See* Williams, G. H.
 —, Oil-field (U.S.A.). *See* Weeks, J. D.

- Appalachian States (U.S.A.), Gold in Southern. See Nitze, H. B. C., & H. A. J. Wilkens.
- System. See Griswold, L. S.
- , North-eastern Bituminous Coal Measures. See Ramsay, G. S.
- Apperknowle (Yorks) Boring. See Coke, G. E.
- Apsheron Peninsula. See Hume, W. F.
- Aptian. See Jukes-Browne, A. J., & W. Hill.
- , Beds below the. See Pavlov, A. P.
- Aptornis*. See Andrews, C. W.
- Aptychus*, Upper Chalk. See Blackmore, H. P.
- Apuan Alps (Liguria). See Zaccagna, D.
- 'Aqueduct of the Avre,' Paris. See Ramond, G.
- Aquilonian Classification. See Pavlov, A. P.
- Aquitaine (France). See Carez, L.
- (—) Lias. See Fournier, A.; see Glangeaud, P.; see Welsch, J.
- Basin, Jurassic Seas. See Glangeaud, P.
- , Cretaceous Cetacea. See Flot, L.
- Aquitainian, Les Landes. See Fallot, E.
- Arabia, South-eastern. See Miles, S. B.
- Arachnida. See Scudder, S. H.
- , Carboniferous. See Howard, F. T., &c.
- Arad (Transylvania). See Pethó, J.
- Aragonite. See Negri, G. B.
- , Liquid Inclusions. See Lotti, B.
- Aralia*. See Ettingshausen, C. Freih. von.
- Araucarites*. See Seward, A. C.
- Arbacina*. See Loriol, P. de.
- Arca*. See Oppenheim, P.
- Arcestes*. See Mojsisovics von Mojsvár, E. von.
- Archæan Eruptive Rocks, Småland (Sweden). See Nordenskiöld, O.
- Industrial Products. See Anon., 13.
- , Michigan. See Van Hise, C. R., &c.
- Rocks, Ammoniacal Nitrogen in. See Erdmann, H.
- , Malvern (Worcester). See Callaway, C.
- , North America. See Van Hise, C. R.
- , Norwegian. See Reusch, H.
- Submarine Rocks south of Marseille (Bouches-du-Rhône). See Vasseur, G., & E. Fournier.
- Supposed Organic Remains. See Rauff, H.
- 'Archæan' as applied to Scandinavia. See Törnebohm, A. E.
- Archæocidaris*. See Törnquist, A.
- Archæocidaridæ*. See Jackson, R. T.
- Archæodiadema*. See Gregory, J. W.
- Archæopteryx* Wing. See Pycraft, W. P.
- Archelon ischyros* from Dakota. See Wieland, G. R.
- Archniopleurus*, Spanish Eocene. See Nicklès, R.
- Arcoptera*. See Bittner, A.
- Arctic Eocene Climate. See Müller, W.
- Europe. See Feilden, H. W., & T. G. Bonney.
- , Glaciation. See Feilden, H. W.
- Region. See Brice, A. M.; see Gratzl, A.; see Gregory, J. W.; see Supan, A.
- Arctotherium*. See Lemoine, V.
- Ardèche (S. France), Tithonian. See Cayeux, L.
- (—) —, Radiolaria. See Cayeux, L.
- Ardennes (France). See Carez, L.; see Dollfus, G. F.
- (—), Gold in the. See Dewalque, G.
- (—) Tertiaries. See Lohest, M.
- Arendsee, Altmark (N. Saxony). See Halbfass, W.
- Arenig (Hérault). See Bergeron, J.; see Rouville, P. G. de.
- Argentario, Cape (Tuscany). See Franchi, S.
- Argentina. See Ameghino, F.
- , Carboniferous Districts. See Bodenbender, G.; see Hauthal, R.
- , Geology and Palæontology. See Ameghino, F.
- , Gold and Lead. See Valentin, J.
- , Palæozoic Formations in N.W. See Bodenbender, G.
- Plants. See Kurtz, F.; see Zeiller, R.
- , Rioja District. See Hauthal, R.
- Soils and Salt. See Schickendantz, F.
- Argentina, Extinct Birds. See Andrews, C. W.
- Ariège (S. France), Cretaceous. See Toucas, A.
- (—), Granitic Contact-Rock Magma. See Lacroix, A.
- Aristodesmus*. See Seeley, H. G.
- Arizona Building Stones. See Day, W. C.
- Copper Ores. See Kirchoff, C.
- , Geological Surveys. See Klittke, M.
- Water Supply. See Newell, F. H.
- Arkansas Building Stones. See Day, W. C.
- Coal. See Parker, E. W.
- Geological Surveys. See Klittke, M.
- Novaculites. See Griswold, L. S.
- , Palæozoic Formation. See Branner, J. C.
- River. See Mead, J. R.
- 'Arlington Iron'—'Minnesota No. 2' See Winchell, N. H.
- Armadales (Sutherland). See Horne, J., & E. Greenly.
- Armenia. See Maunsell, F. R.
- Arnay-le-Duc (Côte-d'Or). See Collot, —.

- Arpadites*. See Mojsisovics von Mojsvár, E. von.
- Arran (Island of) Old Red Sandstone & Carboniferous Rocks. See Neilson, J.
- Arras (Pas-de-Calais) Coal-field. See Soubeiran, A.
- Arsenic Glance. See Hohmann, T.
- Artesian Basins, North American, &c. See Maitland, A. G.
- Borings, N.S.W. See Boulton, J. W.
- Water in N. S. Wales Rocks other than Cretaceous. See Pittman, E. F.
- , New South Wales. See Mingaye, J. C. H.
- , Queensland. See Jack, R. L.
- , Submarine Leakage. See Jack, R. L.
- Well, Brussels (Brabant). See Lahaye, C.; see Rutot, A.
- , Canterbury Museum, Christchurch (N. Z.). See Hutton, F. W.
- Wells, Great Plains (U.S.A.). See Hay, R.
- , New South Wales. See Pittman, E. F.; see Mingaye, J. C. H.
- Arthroon*. See Renault, B.
- Arthropitus*. See Renault, B.
- Arthropoda. See Lydekker, R., &c.
- Artiodactyla. See Studer, T.
- Artisia*. See Renault, B.
- Artocarpidium*. See Ettingshausen, C. Freih. von.
- Asaphelina*. See Bergeron, J.
- Asaphus*. See Tate, R.
- Āsar Ridges, Riga (Livonia). See Doss, B.
- Asbestos. See Parker, E. W.
- , Bosnian. See Foullon, H. B. von.
- & Asbestiform Minerals. See Merrill, G. P.
- Ash (Kent) Tertiaries. See Harrison, B.
- Ashford Coalfield (Arrawatta Co., N.S.W.). See Pittman, E. F.
- Asia (Central). See Kraemer, D.; see Suess, E., &c.
- (—). Weathering of Rocks. See Obrutschew, V. A.
- (Central & South-eastern), Orography. See Obrutschew, V. A.
- (—). See Altai.
- , Glacial Periods. See Taber, C. A. M.
- Minor. See Arslanian, D.
- , Carboniferous & Cretaceous Rocks of Heraclea. See Douvillé, H.; see Inostranzev, A., &c.; see Venukov, —.
- , Coal. See Douvillé, H.
- , Eastern. See Maunsell, F. R.
- , *Hippurites*-beds. See Douvillé, H.
- , Triassic Brachiopoda. See Bittner, A.
- Asiatic Iron Ores. See Birkinbine, J.
- Aspe Valley (Pyrenees). See Stuart-Menteath, P. W.
- Asphalt, Alsace. See Jasper, —.
- Asphalt, Castro dei Volsci (Rome). See Viola, C.
- , Trinidad. See Cronise, A.
- Aspidoceras acanthicum*-zone, Central Apennines. See Canavari, M.
- Aspidura*. See Cvema, C.
- Assam, Coal-mining. See Turner, G.
- , Earthquakes. See Montessus de Ballore, F. de.
- Astarte*. See Fucini, A.
- Asteroides. See Del Prato, A.; see Koken, E.
- Asterolepis*. See Traquair, R. H.
- Asterophyllites*. See Renault, B.
- Astian. See Depéret, C.; see Rouville, P. G. de.
- , Apennine. See Sacco, F.
- Astrocenia*. See Oppenheim, P.
- Asturias (Spain) Manganese. See Head, J.
- Athyris*. See Barrois, C.; see Kayser, E.
- Atlantic Coast Jurassic Formation. See Marsh, O. C.
- Costal Plain. See Hollick, A.
- (North) Foraminiferous Deposits. See MacKay, A. H.
- Ocean. See Suess, E.
- Piedmont Plateau Granitic Rocks. See Williams, G. H.
- Atlas de Blida (Algeria). See Ficheur, E.
- Atmospheric Dust. See John, C. von.
- Atractites*. See Levi, G.; see Mojsisovics von Mojsvár, E. von.
- Atrypa*. See Barrois, C.; see Kayser, E.; see Maurer, F.; see Suess, E., &c.
- Aubrac Mts. (Cévennes). See Fabre, G.
- Aubusson (Creuse). See Launay, L.
- Aucella*. See Pavlov, A. P.
- Auckland Island (N.Z.). See Hector, Sir J.
- Aude (S. France), Cretaceous. See Toucas, A.
- Auerbach an der Bergstrasse (Hesse-Darmstadt), Marble. See Chelius, C.; see Hoffmann, L.
- 'Augengneiss.' See Schiötz, O. E.
- , Bedford (N.Y.). See Luqueur, L. McI., & H. Ries.
- 'Augengranit.' See 'Concretions,' 'Segregations.'
- Augitite. See Rosenbusch, H.
- Aulacolepis*. See Ettingshausen, C. Freih. von.
- Aulopora*. See Suess, E., &c.
- Auriculidæ, Bear River Beds. See White, C. A.
- Auriferous Beach Sands, Esk River, &c., Richmond Co. (N.S.W.). See Carne, J. E.
- Auriferous Conglomerates, Transvaal, See Cumenge, E.; see Hatch, F. H.; see Launay, L. de; see Witwatersrand.
- , New South Wales, Nova Scotia. See Lodin, A.
- Deposits, Australian. See Zererer, M. B.

- Auriferous Deposits, Matabeleland. *See* Shaw, F. G.
- , South Africa. *See* Demaret, —; *see* Zerener, M. B.; *see* Transvaal.
- , New Zealand Hystero-morphous. *See* Gordon, H. A.
- , Pilgrims' Rest District (Transvaal). *See* Brown, N.
- , Transvaal. *See* Brown, N.; *see* Brown, W. F.; *see* Bunkell, H. B.; *see* Cumenge, E.; *see* Czyszkowski, S.; *see* Demaret, —; *see* Draper, D.; *see* Frames, M. E.; *see* Hatch, F. H.; *see* Kuntz, J.; *see* Lapiere, —; *see* Launay, L. de; *see* Lobley, J. L.; *see* Lodin, A.; *see* Moore, C. W.; *see* Phillips, J. A., & H. Louis; *see* Rait, H. T.; *see* Sawyer, A. R.; *see* Schenk, A. J.; *see* Tottenham, R. G. S.; *see* White, T. F.; *see* Zerener, M. B.
- , Wattle Flat and Sofala (N.S.W.). *See* Jaquet, J. B.
- , —. *See* Gold.
- Australia. *See* Everett, A.
- , Earthquakes. *See* Montessus de Ballore, F. de.
- , Glaciation. *See* David, T. W. E.; *see* Officer, G., &c.; *see* Tate, R., &c.
- , Great Barrier Reef. *See* Agassiz, A.
- , Marine Tertiaries. *See* Tate, R., & J. Dennant.
- , Recent Geological Work. *See* David, T. W. E.
- (Central). *See* Tate, R., &c.
- (—), Palæontology. *See* Tate, R.
- (Western). *See* Crick, G. C.
- (—). *See* Woodward, H. P.
- Australian Continent, Geological Development. *See* Gregory, A. C.
- Cretaceous Plants. *See* Ettingshausen, C. Freih. von.
- Crystalline Rocks. *See* Judd, J. W.
- Diamonds. *See* Bauer, M.
- Gold. *See* Zerener, M. B.
- , —. *See* Gold; & Colonies.
- Older Tertiaries, Southern. *See* Pritchard, G. B.
- Subfossil Freshwater Sponges. *See* Traxler, L.
- Austria, *Hippurites*-beds. *See* Douvillé, H.
- Austria-Hungary, Coal. *See* Schwippel, C.
- Austrian Geological Survey. *See* Schafarik, F.; *see* Stache, G.
- Tertiary Foraminifera. *See* Rzehak, A.
- Autoclastic Rocks. *See* Van Hise, C. R.
- Autun Coalfield (Saône-et-Loire). *See* Launay, L. de.
- (—) Coal Plants. *See* Renault, R.
- Auvergne, Pliocene Beech Tree. *See* Krašan, F.
- Avalanche, Gemmi Pass (Valais). *See* Knox, H. V.; *see* Preller, C. S. Du R.
- Avanturine. *See* Bauer, M.
- Aveira Sand-dunes (Beira, Portugal). *See* Mesquita, E. de M.
- 'Avens.' *See* Caverns.
- Avesnelles (Nord) Schists. *See* Lohest, M.; & H. Forir.
- Avian Palæontology. *See* Andrews, C. W.
- Avicula*. *See* Bittner, A.; *see* Hicks, H.; *see* Levi, G.
- Aviculopecten*. *See* Bittner, A.
- Avre Aqueduct, Paris. *See* Ramond, G.
- Axes, Mineral Sections & Crystal. *See* Viola, C.
- Axinite. *See* Bauer, M.
- Aylesbury (Bucks), Sections along Manchester & Lincoln Railway from Rugby (Warwicks). *See* Woodward, H. B.
- Ayrshire, Coalfield. *See* Dron, R. W.
- Bacau District, Roumanian Carpathians. *See* Teisseyre, L.
- Bacchus Marsh Beds of Victoria (Australia). *See* David, T. W. E.
- (Victoria) Glaciation. *See* Officer, G., &c.
- Bachergebirge (S. Styria). *See* Dreger, J.; *see* Vivat, H.
- Bacillus*. *See* Renault, B.
- Backstein-Limestone Trilobite Fauna, Age of. *See* Krause, G.
- Bacteriaceæ, Carboniferous. *See* Renault, B.
- Bactrites*. *See* Maurer, F.
- Bactryllium*. *See* Höfer, H.
- Baden (Aargau). *See* Preller, C. S. Du R.
- (—) Coral-Limestone. *See* Mieg, M.
- (—) Mineral Springs. *See* Preller, C. S. Du R.
- (—) Ore Deposits. *See* Buchrucker, L.
- Badiotella*. *See* Bittner, A.
- Baggy Point Beds. *See* Hicks, H.; *see* Whidborne, G. F.
- Bagnères-de-Bigorre (Hautes-Pyrénées). *See* Carez, L.
- Quaternary Mollusca. *See* Harlé, É.
- Bagnères-de-Luchon (Hautes-Pyrénées). *See* Carez, L.
- Bagshot Beds, Dorset. *See* Reid, C.
- Bairdia*. *See* Jones, T. R., &c.
- Bajocia*. *See* Brasil, L.
- Bajocian, Luçon (Vendée). *See* Chartron, —, & J. Welsch.
- Reptile, Sansac (Charente). *See* Welsch, J.
- Baku (Apsheron Peninsula, Russia) Petroleum. *See* Hume, W. F.; *see* Weeks, J. D.
- Balaclava (Crimea) Schists. *See* Stremonchov, D.

- 'Balæna' Cruise. *See* Bruce, W. S.; also *see* Donald, C. W.
- Balanus*. *See* Steinmann, G., &c.
- Balearic Isles. *See* Nolan, H.
- Balia (Asia Minor) Triassic Brachiopoda. *See* Bittner, A.
- Balkans. *See* Toula, F.
- Ballarat (Victoria). *See* Babu, L.
- Baltic Post-Archæan Eruptive Rocks. *See* Andersson, J. G.
- Provinces, Moraines or 'Kanger.' *See* Doss, B.
- Quaternary Deposits. *See* Berg-hell, H.; *see* Munthe, H.
- Terminal Moraine. *See* Berendt, G.
- Yoldia-marl Fauna. *See* Munthe, H.
- Bambanagites*. *See* Mojsisovics von Mojsvár, E. von.
- Banakit. *See* Iddings, J. P.
- Banffshire. *See* Hinxman, L. W., & J. J. H. Teall.
- Bang (Norway). *See* Reusch, H.
- & Bygdin District (Hamar, Norway). *See* Reusch, H.
- Banisteriophyllum*. *See* Etingshausen, C. Freih. von.
- Banket. *See* Transvaal, Auriferous Deposits, &c.
- Banksia*. *See* Etingshausen, C. Freih. von.
- Barcelona (Spain) Coast, Cretaceous. *See* Almera, J.
- Bardymkul (Turkestan), Salt-Production. *See* Anon., 16.
- Baringo, Lake (British East Africa). *See* Gregory, J. W.
- Barium Sulphate. *See* Anon., 11, 13, &c.
- Barklyite. *See* Liversidge, A.
- Barnacles, Palæozoic. *See* Clarke, J. M.
- Barrande Collection. *See* Frič, A.
- Barremian. *See* Munier-Chalmas, —, & Lapparent, A. de; *see* Pâquier, V.
- Barri (Drôme). *See* Depéret, C.
- Barry Island (Glamorgan). *See* Anon., 23; *see* Howard, F. T.
- (—), Submerged Land-surfaces. *See* Strahan, A., &c.
- Bartonian, Château-Thierry (Aisne). *See* Janet, L.
- Barycrinus*. *See* Miller, S. A., &c.
- Barytes. *See* Anon., 13; *see* Büttgenbach, H.; *see* Parker, E. W.
- *See* Vassera (Lombardy), Artini, E.
- Basalt. *See* Rosenbusch, H.
- , Enclosures of Glass in Eifel. *See* Foley, Mary C.
- , Idaho (U.S.A.). *See* Iddings, J. P.
- , Lausitz (Saxony). *See* Krusch, P.
- , North-western Iceland. *See* Thoroddsen, T.
- plateaux of N.W. Europe. *See* Geikie, Sir A.
- , Styrian. *See* Sigmund, A.
- Basaltic Andesite, Derived Crystals in. *See* Cole, G. A. J.
- Columns, West Devon. *See* Clark, T.
- Hornblende, Beni-Saf (Oran). *See* Gentil, L.
- Basalts, Bohemian. *See* Rosiwal, A.
- , Butte de Marcoux-Gouttelas, près Boën (Loire), Decomposition of. *See* Chaignon, H. de.
- , Columbretes (Gulf of Valencia). *See* Becke, F.
- , Klöch (Styria). *See* Sigmund, A.
- , Venetian. *See* Artini, E.
- Basanite. *See* Rosenbusch, H.
- Bassano (Venetia), Tertiary Fauna. *See* Gregorio, Marquis A. de.
- Basses-Alpes (France). *See* Kilian, W., &c.
- Basses-Pyrénées (France), Carboniferous Plants. *See* Zeiller, R.
- Bataks, Land of the (Sumatra). *See* Hügel, A. von.
- Batavia, Mud-Eruptions. *See* Wichmann, A.
- Bath Museum Liassic Fishes. *See* Woodward, A. S.
- Bathonian Echinoderms. *See* Michalet, —.
- Bathysiphon*. *See* Capellini, G.
- Batocrinus*. *See* Miller, S. A., &c.
- Batowo (St. Petersburg Gov.) Iron Ore. *See* Nikitin, S.
- Batrachian Remains from South Joggins (Nova Scotia). *See* Dawson, Sir J. W.
- Bauges, Les (Savoy). *See* Lugeon, M.
- Bauxite. *See* Hayes, C. W.
- Bavalite. *See* Lacroix, A.
- Bavaria. *See* Szontagh, T. von.
- , Southern. *See* Reis, O. M.
- , South-eastern, Tertiary Deposits. *See* Tausch, L. von.
- Bay of Fundy Coast (N.S.), Recent Sedimentary Formation. *See* Ells, R. W.
- Bayonne (Basses-Pyrénées) Lakes. *See* Delebecque, A.
- Beaches. *See* Wheeler, W. H.
- Bear River Formation and Fauna (Ido. & Wy.). *See* White, C. A.
- Bearpaw Mts. (Montana), Igneous Rocks. *See* Weed, W. H., & L. V. Pirsson.
- Beaumontia*. *See* Barrois, C.
- Beaune (Côte-d'Or). *See* Collot, —; *see* Maison, —.
- Beausset (Var) Cretaceous. *See* Toucas, A.
- Beaver, Pliocene. *See* Merriam, J. C.
- Bédarieux (Hérault). *See* Bergeron, J.; *see* Depéret, C.; *see* Nicklès, R.
- Bedford (N.Y.), Igneous Rocks. *See* Luqueur, McL., & H. Ries.
- Beech Tree, Auvergne Pliocene. *See* Krásan, F.
- Beira (Portugal) Glaciation. *See* Delgado, J. F. N.

- Belemnites, Caucasian Cretaceous. *See* Inostranzev, A., &c.
- , Pacific Coast Cretaceous. *See* Stanton, T. W.
- , Rauracian. *See* Loriol, P. de.
- , Somaliland. *See* Crick, G.
- Belgian Coalfields. *See* Gruner, E.
- 'Calcaire grossier.' *See* Gosselet, J.
- Carboniferous Formation & Fauna. *See* Briart, A.; *see* Dewalque, G.
- Limestone. *See* Dorlodot, H. de.
- Coblenzian Spirifers. *See* Béclard, F.
- Devonian. *See* Forir, H.
- Eocene. *See* Gosselet, J.
- Palaeozoic Fauna. *See* Forir, H.
- Pliocene. *See* Harmer, F. W.
- Tertiaries. *See* Dewalque, G.; *see* Mourlon, M.
- Belgium, Hydrology of Rock-basins. *See* Verstraeten, T.
- , Upper Cretaceous. *See* Rutot, A.
- Belledonne Range (Isère), Eruptive Rocks. *See* Duparc, L.
- Bellerophon*. *See* Barrois, C.; *see* Miller, S. A., &c.; *see* Whidborne, G. F.
- limestone Fauna, Carnia (Venetia). *See* Tommasi, A.
- Belluno (Venetia). *See* Vinassa de Regny, P. E.
- Belodont Reptile, Connecticut River Sandstone. *See* Marsh, O. C.
- Belonorhynchus*. *See* Bassani, F.
- Belorhappe*. *See* Fuchs, T.
- Beluga. *See* Dawson, Sir J. W.
- Ben Ganahoran (Algeria), Volcanic Minerals. *See* Gentil, L.
- Bendigo (Victoria). *See* Babu, L.
- Bengal, Corundum. *See* Warth, H.
- , Kyanite. *See* Warth, H.
- Beni-Saf (Oran), Basaltic Hornblende. *See* Gentil, L.
- Bennettites*. *See* Capellini, G., & Count E. zu Solms-Laubach.
- Benstedtia*. *See* Seward, A. C.
- Berenicea*. *See* Gregory, J. W.
- Berens River District, Keewatin (Canada). *See* Dowling, D. B.
- Beresan Island (Black Sea) Quaternary. *See* Sokolov, N.
- Bergen (Bavaria). *See* Reis, O. M.
- Berici Hills (Venetia). *See* Oppenheim, P.
- Berkeley (Cal.), Pliocene Casteroid Rodent. *See* Merriam, J. C.
- (—) Pliocene Ostracoda. *See* Chapman, F.
- Bernese Alps. *See* Quereau, E. C.
- Bernese-Jura Hauterivian. *See* Schardt, H., & E. Baumberger.
- Oligocene Fauna. *See* Kissling, E.
- Rauracian Fauna. *See* Loriol, P. de, & E. Koby.
- Bernese Oberland. *See* Lubbock, Sir J.
- Berre, Lake (Bouches-du-Rhône). *See* Delebecque, A.
- Berru, Mont, near Cernay (Marne). *See* Lemoine, V.
- Berthong, Bland Co. (N.S.W.). *See* Jaquet, J. B.
- Bertrich (Eifel), Basalt near. *See* Foley, Mary C.
- Berwickshire Coast. *See* Reade, T. M.
- Beryl. *See* Bauer, M.; *see* Kunz, G. F.; *see* Traube, H.
- Betchworth (Surrey). *See* Monckton, H. W., & W. P. D. Stebbing.
- Bethany Limestone, Central United States. *See* Keyes, C. R.
- Beyrichia*. *See* Jones, T. R., &c.; *see* Whidborne, G. F.
- Beyrichiopsis*. *See* Whidborne, G. F.
- Biberach (Württ.) Miocene. *See* Mayer, —.
- Bienne (Bernese Jura). *See* Schardt, H., & E. Baumberger.
- Bieujac (Gironde). *See* Degrange-Touzin, A.
- Big Horn Mountains (Wyoming). *See* Beecher, C. E.
- Bihar (Transylvania). *See* Szontagh, T. von.
- Bilabergsite. *See* Igelström, L. J.
- Bilbao (Vizcaya) Iron Ores. *See* Gill, W.
- Bilin (Bohemia), Eruptive Rocks. *See* Pelikan, A.
- Bincombe (Dorset), Vertical Tertiaries. *See* Fisher, O.
- Binnenthal (Valais) Minerals. *See* Zeller, A.
- (—) Rathite. *See* Baumhauer, H.
- Biogenetic Law & Palæontology. *See* Zittel, K. von.
- Biological Geology. *See* Shaler, W. H.
- Biotite, Magmatic Alteration of. *See* Washington, H. S.
- Biotite-cyanite-cordierite-rock, Satlej Valley (N.W. Himalayas). *See* McMahon, C. A.
- Bird, Italian Quaternary. *See* Regàlia, E.
- , South Australian Fossil Struthious. *See* Stirling, E. C.
- Birds. *See* Andrews, C. W.; *see* Ewen, C. A.; *see* Hutton, F. W.; *see* Lydekker, R.; *see* Portis, A. del; *see* Pyecraft, W. P.; *see* Shufeldt, R. W.; *see* Woodward, H.
- , Madagascar. *See* Milne-Edwards, A.
- , New Zealand. *See* Milne-Edwards, H.
- , Weapons & Wings. *See* Lucas, F. A.
- Biscay (Vizcaya, Spain) Iron Ores. *See* Gill, W.

- Bismuth. *See* Jorissen, A.; *see* Heberdey, P.
- Bison. *See* Rhoads, S. N.
- Bituminous Appalachian Coal Measures, North-eastern. *See* Ramsay, G. S.
- Coalfields, Pennsylvania. *See* Lesley, J. P., &c.
- Blackburn (Lancs). *See* Dickson, E.
- Black Hills (Dakota). *See* Beecher, C. E.; *see* Russell, I. C.
- River Limestone, Lake Nipissing (Ont.). *See* Winchell, N. H.
- Sea, Northern Estuaries. *See* Sokolov, N.
- Tertiary Deposits. *See* Sokolov, N.
- Blairiella. *See* Miller, S. A., & W. F. E. Gurley.
- Blanc, Mont (Haute-Savoie). *See* Duparc, L., & L. Mrazec; *see* Graeff, F.; *see* Vallot, J., & L. Duparc.
- Blansko (Moravia). *See* Tausch, L. von.
- Blanz (Saône-et-Loire) Coalfield. *See* Gruner, E.
- Blashenwell, near Corfe Castle (Dorset), Tuffaceous Deposit & Kitchen-midden. *See* Reid, C.
- Blastoids, Illinois Fossil. *See* Worthen, A. H., &c.
- Blattinariae. *See* Scudder, S. H.
- Blibergssite. *See* Weibull, M.
- Block Island (U.S.A.). *See* Marsh, O. C.
- Blowpipe Analysis. *See* Brush, G. J., &c.
- Blue Mountains (Pa.). *See* Wright, F. B.
- Boghead Coal. *See* Renault, B.
- , New South Wales. *See* Bertrand, C. E.
- Bogoltin, Czerna River (Transylvania). *See* Schafarzik, F.
- Bogs, Swedish Peat. *See* Hellsing, G.; *see* Sernander, R., & K. Kjellmark.
- Bohemia. *See* Frič, A., &c.
- Natural History Museum. *See* Frič, A.
- (Northern) Loess. *See* Zahalka, Č.
- , Northern. *See* Graber, H. V.; *see* Hibsich, J. E.
- Bohemian Basalts. *See* Rosiwal, A.
- Brown Coal. *See* Remy, —.
- Tortoise. *See* Laube, G. C.
- Cambrian Fauna. *See* Pompeckj, J. F.
- Coalfields. *See* Jaroschka, J.
- Cretaceous, Eastern. *See* Jahn, J. J.
- Pleistocene Pond-chalk. *See* Jahn, J. J.
- Silurian. *See* Počta, P.
- Bohemillidae. *See* Beecher, C. E.
- Böhlet (Sweden) Edingtonite. *See* Nordenskiöld.
- Bois d'Avroy, Ougrée (Liège), Carboniferous Erect Trees. *See* Schmitz, R. P. G.
- Bolbodon. *See* Cope, E. D.
- Bolca, Monte (Verona). *See* Sacco, F.
- 'Boldérien.' *See* Dewalque, G.; *see* Mourlon, M.
- Boleite. *See* Beaugrand, C.
- Bolis, Madrid (Castile). *See* Calderon, S.
- Bolivian White Clay. *See* Gautier, F.
- Bollène (Vaucluse). *See* Depéret, C.
- Bologna (Emilia) Pliocene Mastodon. *See* Capellini, G.
- Bolognese Geology, 1648-1896. *See* Fornasini, C.
- Bolsena Region (Latium & Umbria) Rocks. *See* Washington, H. S.
- Bone Breccia, Palmeria Island (Gulf of Spezia). *See* Capellini, G.
- 'Bone Hole,' Port Kennedy (Pa.). *See* Mercer, H. C.
- Bones, Gnawed. *See* Nehring, A.
- Bonneval (Savoy). *See* Michel-Lévy, A., &c.
- Bonney (T. G.), Presentation of Portrait of. *See* Anon., 14.
- Bonianian, Classification of. *See* Pavlov, A. P.
- Borax Lake, San Bernardino Co. (Cal.) Minerals. *See* Pratt, J. H.
- Bordeaux (Gironde). *See* Cossmann, M.; *see* Fallot, E.
- District Tertiaries (Gironde). *See* Degrange-Touzin, A.
- Borgotaro (Emilia) Lignite Basin. *See* Stefani, G. de.
- Boring, Apperknowle (Yorks). *See* Coke, G. E.
- , Cardiff (Glam.). *See* Howard, F. T.
- Coral Reef. *See* Watts, W. W.
- , Kacske-mét (Hungary). *See* Holósz, L.
- , Kaiseroda (Meiningen). *See* Frantzen, W.
- , Königsberg (E. Prussia). *See* Korn, J.
- near Salzungen (Meiningen). *See* Frantzen, W.
- , Saint-Bonnet-de-Mure (Isère). *See* Termier, P.
- , Stratford-on-Avon (Warwick). *See* Brown, H. T.
- , Stutton (Suffolk). *See* Whitaker, W.
- Boring-Mussel, Interglacial. *See* Jentzsch, —.
- Borings, Artesian (N.S.W.). *See* Boulton, J. W.; *see* Pittman, E. F.
- , Hoxne (Suffolk). *See* Reid, C.
- , Hungary. *See* Inkey, B. von.
- , Importance of. *See* Harmer, F. W.
- in Granite, &c., for Water. *See* Nordenskiöld, A. E.
- at Creusot (Saône-et-Loire), & in Limagne (Puy-de-Dôme). *See* Michel-Lévy, A.
- in Red Marls near Liverpool (Lancs). *See* Morton, G. H.
- , Isle of Man. *See* Todd, J.

- Borings near Lille (Nord). *See* Gosselet, J.
- , New South Wales. *See* Slee, W. H. J.; *see* Pittman, E. F.
- , Queensland Artesian. *See* Jack, R. L.
- , South-eastern England. *See* Whitaker, W.
- , Valenciennes Coalfield (Nord). *See* Chapuy, —.
- , Warwickshire. *See* Andrews, W.
- Borneo Diamonds. *See* Bauer, M.
- , Jurassic Mollusca. *See* Vogel, F.
- , Lias. *See* Krause, P. G.
- , Petroleum. *See* Weeks, J. D.
- , Secondary Rocks. *See* Krause, P. G.; *see* Vogel, F.
- (West), Mesozoic Deposits. *See* Martin, K.
- Bornholm (Baltic). Jurassic Plants. *See* Bartholin, C. T.
- Bornia. *See* Renault, B.
- Borszek (Hungary), Calcareous Tuff. *See* Staub, M.
- Bort. *See* Moissan, H.; *see* Diamonds.
- Bos, Algerian Fossil. *See* Pomel, A.
- Boselaphus*, Algerian Fossil. *See* Pomel, A.
- Boskowitz (Moravia). *See* Tausch, L. von.
- Bosnia, Underground Water. *See* Kraus, F.
- Bosnian Asbestos. *See* Foullon, H. B. von.
- Iron and Mercury. *See* Launay, L. de.
- Ore Deposits. *See* Bordeaux, A.
- Bothnia (Gulf of) Sand Dunes. *See* Rosberg, J. E.; *see* Thesleff, A.
- (—) Deltas. *See* Rosberg, J. E.
- Bothriocidaroidæ. *See* Jackson, R. T.
- Bothriolepis*. *See* Traquair, R. H.
- Botryopteris*. *See* Renault, B.
- Botula*. *See* Bittner, A.
- Botzen (Tyrol) Drinking Water. *See* Blas, J.
- Bou-Kournin (Tunis) Lias. *See* Fichet, E., & E. Haug.
- Bouches-du-Rhône (France). *See* Fournier, E.
- (—) Lakes. *See* Delebecque, A.
- Boudène Caverns, near Mas Cabanis, Roquedur (Gard). *See* Mazauric, F.
- Bouffouls (Hainault), Age of Fauna at. *See* Dewalque, G.
- Boulder Clay, Ancient Watercourse in. *See* Hill, E.
- , East Anglian. *See* Hill, E.
- , Great Crosby (Lancs). *See* Reade, T. M.
- , Hoxne (Suffolk). *See* Reid, C.
- , League Hole, nr. Gorleston (Suffolk) transported. *See* Hill, E.
- , Sub-aqueous Deposition. *See* Feilden, H. W.; *see* Kendall, P. F.
- Committee, Yorkshire. *See* Tate, T.
- Boulder Drift, Staffordshire and Derbyshire. *See* Anon., 17.
- Trains, Waterloo Quartzite Area (Wis.). *See* Buell, I. M.
- Boulders, Arctic. *See* Feilden, H. W., & Bonney, T. G.
- , Determination of. *See* Calker, F. T. P. van.
- , Lincolnshire. *See* Sheppard, T.; *see* Tuckwell, W.
- , Orientation of. *See* Bell, D.
- (Scandinavian) in England. *See* Sheppard, T.
- , Schleswig-Holstein Cambrian and Silurian. *See* Stolley, E.
- Bourzet, Lake of (Savoy), Age of. *See* Hollande, —.
- Bournonite. *See* Peck, F. B.
- Bowmanites*. *See* Solms-Laubach, Count H. z.
- Brabant, Tongrian. *See* Velge, G.
- Brachiopoda. *See* Béclard, F.; *see* Bittner, A.; *see* Hall, J., & J. M. Clarke; *see* Koken, E.
- , Asia Minor Triassic. *See* Bittner, A.
- , Bernese-Jura Oligocene. *See* Kissling, E.
- , Rauracian. *See* Loriol, P. de.
- , Bohemian Cambrian. *See* Pompeckj, J. F.
- , British Jurassic. *See* Marshall, J. W. D.
- , Calabrian Lias. *See* Greco, B.
- , Callovian. *See* Bizet, P.
- , Caucasian Neocomian. *See* Inostranzev, A., &c.
- , Central Asian Devonian, &c. *See* Suess, E., &c.
- , Central Australian. *See* Tate, R.
- , Chilian Tertiary. *See* Steinmann, G., &c.
- , Coblentzian. *See* Béclard, F.
- , Cretaceous. *See* Tressen, E.
- , Devonian. *See* Beyer, E.; *see* Kayser, E.
- , of Erbray (Loire-Inférieure). *See* Barrois, C.
- , Eocene. *See* Oppenheim, P.
- , Giudicarian Triassic. *See* Arthaber, G. von.
- , Illinois Fossil. *See* Worthen, A. H., &c.
- , Iowa Silurian. *See* Weller, S., & A. D. Davidson.
- , Liassic. *See* Levi, G.
- , Little River Group. *See* Matthew, G. F.
- , North Italian Jurassic. *See* Parona, C. F.; *see* Tommasi, A.
- , Ordovician. *See* Matthew, G. F.
- , Pacific Coast Cretaceous. *See* Stanton, T. W.
- , Palæozoic. *See* Clarke, J. M.; *see* Hall, J., & J. M. Clarke; *see* Hicks, H.
- , Rauracian. *See* Loriol, P. de, & E. Koby.

- Brachiopoda, Rhenish Devonian. *See* Maurer, F.
 —, Russian Cretaceous. *See* Loriol, P. de.
 —, Salzkammergut (Austria) Norian Triassic. *See* Bittner, A.
 —, Schleswig-Holstein Cambrian & Silurian Boulder. *See* Stolley, E.
 —, Secondary Rocks of Württemberg (Baden). *See* Engel, T.
 —, Trenton Limestone. *See* Whiteaves, J. F.
 —, Triassic. *See* Philippi, E.; *see* Winterfeld, F.
Brachymetopus. *See* Whidborne, G. F.
Brachyodus. *See* Depéret, C.
Brachytrema. *See* Huddleston, W. H.
Brachyura. *See* Woodward, H.
 —, Eocene. *See* Bittner, A.
 Brackley (Northants). *See* Woodward, H. B.
 Braiç (S. Dalmatia). *See* Bukowski, G. von.
 Bray (Co. Dublin), Submerged Forest. *See* Praeger, R. L.
 Brazil, Apes & Carnivora. *See* Winge, H.
 —, Carboniferous Plants. *See* Zeiller, R.
 —, Decomposition of Rocks. *See* Branner, J. C.
 Brazilian Diamonds. *See* Bauer, M.
 — Diamond Sands. *See* Moissan, H.
 — Rock Decomposition. *See* Branner, J. C.; *see* Derby, O. A.
 Brèche du Chablais (Haute-Savoie). *See* Lugeon, M.
 Brefyen (Småland) Diabase-Granite. *See* Winge, K.
 Brenner District (Tyrol). *See* Blaas, J.; *see* Weinschenk, E.
 Brent Tor (Devon) Eruptive Rocks. *See* Rutley, F.
 Bresse, La (France). *See* Carez, L.
 — District Tertiary Fauna (Ain). *See* Depéret, C.
 Bressuire (Deux-Sèvres). *See* Fournier, A.
 Briançon (Hautes-Alpes). *See* Kilian, W.; *see* Termier, P.
Briantia. *See* Barrois, C.
 Brianza Hills (Lombardy). *See* Bonarelli, G.; *see* Becker, H.
 Brigstock (Northants). *See* Thompson, B.
Brissopsis. *See* Loriol, P. de.
 Bristol Coalfield. *See* Kidston, R.
 — Museum. *See* Wilson, E.
 Brittany. *See* Carez, L.
 —, Silurian. *See* Počta, P.
 —, Supposed Precambrian Organisms. *See* Rauff, H.
 British Association for the Advancement of Science, Ipswich, 1895. *See* Gill, D.; *see* Merivale, J. H.
 — (Liverpool). *See* Anon., 28; *see* Marr, J. E.
 British Building Stones. *See* Elliott, A. C.
 — Carboniferous Fishes. *See* Davis, J. W.
 — Coal-mining. *See* Galloway, R. L.
 — Columbia, Earthquakes. *See* Montessus de Ballore, F. de; *see* Dawson, G. M.
 —, Petrology. *See* Ferrier, W. F.; *see* Wilcox, W. D.
 —, Cretaceous Fauna. *See* Whiteaves, J. F.
 —, Prehistoric Man. *See* Hill-Tout, C.
 —, *Primnoa*. *See* Whiteaves, J. F.
 —, Slocan Gold & Silver Ores. *See* Gwillim, J. C.
 —, Tertiary Plants. *See* Monckton, G. F.
 — East Africa. *See* Gregory, J. W.
 — Empire, Earthquakes. *See* Montessus de Ballore, F. de.
 — Guiana. *See* Chalmers, D. P.; *see* Neves e Mello, A. A. das.
 — Museum Fossil Fishes. *See* Woodward, A. S., & H. W. Monckton.
 — Wealden Plants. *See* Seward, A. C.
 — Orographic Structures. *See* Reade, T. M.
 Brixen (Tyrol) Water Supply. *See* Blaas, J.
 Brixlegg (Tyrol) Copper-Antimony Crystals. *See* Hlawatsch, C.
 Bröggerite. *See* Ramsay, W.
 Broken Hill (N.S.W.). *See* Babu, L.; *see* Slee, W. H. J.
 — (—) Silver Ore. *See* Smith, G.
Bronteus. *See* Barrois, C.
 Brookite. *See* Buttgenbach, H.; *see* Lacroix, A.
 Brown-Coal between Weissenfels & Zeitz (Merseburg). *See* Fiebelkorn, —.
 —, Bohemia. *See* Remy, —.
 —, Hausrück (Upper Austria). *See* Tausch, L. von.
 — Tortoise, Bohemian. *See* Laube, G. C.
 Brown-Coalfield, Bilin (Bohemia). *See* Pelikan, A.
 Bruchberg-Acker (Harz). *See* Koch, M.
 'Bruchhäuser Steine,' Westphalian. *See* Mügge, O.
 Bruck (Tyrol). *See* Blaas, J.
 Brunn (Moravia) Crystalline Schists, &c. *See* Tausch, L. von.
 Brunner Coal-Mine, Grey (Middle Island, N. Z.). *See* Ward, C. D., &c.
 Brusau (Moravia) Crystalline Rocks. *See* Rosiwal, A.
 Brussels (Brabant) Artesian Well. *See* Lahaye, C.; *see* Rutot, A.
 Brütten Plateau (Zürich). *See* Bossard, A.
 Brüx (Bohemia) Land Subsidences. *See* Toul, F.

- Bryozoa. See Koken, E.; see Simpson, G. B.
 —, Canadian Silurian. See Ami, H. M.
 —, Chilian Tertiary. See Steinmann, G., &c.
 —, *Dalmanites*-sandstone. See Kayser, E.
 —, Farnesina & Monte Mario (Rome). See Neviani, A.
 —, Illinois Fossil. See Worthen, A. H., &c.
 —, Jurassic. See Gregory, J. W.
 —, Neocomian, Collaz (Vaud). See Schardt, H.
 —, Palæozoic. See Clarke, J. M.
 —, Tertiary. See Neviani, A.
 —, Trenton Limestone. See Lambe, L. M.
 —, Victoria (Australia) Tertiary. See MacGillivray, P. H.
Bubalus, Algerian Fossil. See Pomel, A.
 Buchanan Co. (Iowa) Gravels. See Calvin, S.
 Buda (Hungary) Mineral Water. See Ilosvay, L. von.
 Budapest (Hungary), Calcites near. See Melczer, G.
 — Mining Exhibition. See Beyschlag, F.
Buechelia. See Winterfeld, F.
 Buffalo, Algerian Fossil. See Pomel, A.
 Building Stones, British. See Elliott, A. C.
 —, Great Britain. See Anon., 13.
 —, Norwegian. See Helland, A.
 —, United States. See Bain, H. F.; see Day, W. C.
 Buis, Le (Drôme). See Kilian, W.; see Paquier, V.
 Bujuvarian. See Mojsisovics von Mojsvár, E. von, &c.
Bulla. See Hudleston, W. H.; see Cossmann, M.; see Oppenheim, P.; see Steinmann, G., &c.
 'Bündnerschiefer,' Age of. See Steinmann, G.
 Bunter Sandstone, Kaiseroda (Meiningen). See Frantzen, W.
 — Reptile, Reihen (Basel). See Seeley, H. G.
 Burdigalian. See Depéret, C.; see Munier-Chalmas, —, & A. de Laparent.
 Buriel Valley (Northants). See Thompson, B., &c.
 Burma, Miocene Marine Fossils from Upper. See Noetling, F.
 — Petroleum. See Weeks, J. D.
 — (Upper) Jadeite. See Bauer, M.; see Noetling, F.
 Burmese Rubies. See Bauer, M.; see Brown, C. B., & J. W. Judd.
Burrarnys. See Broom, R.
 Burrstones, U. S. A. See Parker, E. W.
 Butte de Marcoux-Gouttelas, près Boën (Loire), Decomposed Basalts. See Chaignon, H. de.
 Buxton (Derbys), Glaciation. See Dale, E.
 Bygdin District (Hamar, Norway). See Reusch, H.
Bythinia. See Stefanescu, S.
 Cabanac (Gironde). See Degrange-Touzin, A.
Caber ibex & Glacial Period. See Reichenau, W. von.
 Caborne à Fréquent, Lons-le-Saulnier (Jura). See Chevrot, —.
 Cabrera (Balearic Isles). See Nolan, H.
 Caddis-Fly in *Leda*-clays, Ottawa (Ont.). See Scudder, S. H.
Cadomoceras. See Brasil, L.
Cadurcotherium. See Boule, M.
 Caermarthen (S. Wales). See Crosfield, M. C., & E. G. Skeat.
 — Coalfield. See Anon., 18.
 Caernarvon (N. Wales). See De Rance, C. E.
 — (—), Map of. See Geikie, Sir A., &c.
 Cahors (Lot). See Bresson, —; see Fournier, E; see Répelin, —, & J. Blayac.
 Cairns Range (Western Australia) Silurian Fauna. See Jack, R. L.
 Cairo (Egypt), Floods. See Floyer, E.
 Calabria (Italy). See Böse, E., & G. de Lorenzo; see Cortese, E.
Calais Neuboldi. See Woodward, H.
 Calamine. See Artini, E.; see Gentil, L.; see Ingalls, W. R.
Calamites. See Lima, W. de; see Potonié, H.; see Williamson, W. C., & D. H. Scott.
Calamodendron. See Renault, B.
 'Calcaire grossier.' See Gosselet, J.
 Calcareous-Schist Fauna, Tournai (Hainault). See Dewalque, G.
 — Tuff, Borszek (Hungary). See Staub, M.
 'Calcestrontite.' See Laspeyres, H., & E. Kayser.
 Calcite. See Artini, E.; see Gonnard, F.; see Winge, K.
 —, Nieder-Rabenstein (Saxony). See Francke, H.
 Calcites near Budapest (Hungary). See Melczer, G.
 California. See Yale, C. G.
 — Building Stones. See Day, W. C.
 — Coal. See Fairbank, H. W.
 — & Asphalt. See Parker, E. W.
 — Coast Range, Age of. See Fairbank, H. W.
 — Earthquakes. See Perrine, C.
 — (Eastern) Metalliferous Deposits. See Fairbank, H. W.
 — Geological Surveys. See Klittke, M.
 —, Great Valley of. See Ransome, F. L.
 — Natural Gas. See Weeks, J. D.
 — Petroleum. See Weeks, J. D., & S. F. Peckham.
 — Salt. See Parker, E. W.
 — Water Supply. See Newell, F. H.

- Californian Lawsonite. *See* Ransome, F. L., & C. Palache.
 — Mineral Production. *See* Yale, C. G.
 — Neocene. *See* Ashley, G.
 — Pliocene Ostracoda. *See* Chapman, F.
 — Pliocene, Radiolarian Cherts, Granites, & Serpentine. *See* Lawson, A. C.
 — Syenitic Rocks. *See* Turner, H. W.
 Callinite. *See* Bauer, M.
 Callianassa. *See* Woodward, H.
 Callovian, Central Apennines. *See* Bonarelli, G.
 —, North-western France. *See* Bizet, P.
 Calne (Wilts). *See* Winwood, H. H., & H. B. Woodward.
 Calumet (Mich.) Temperatures at Great Depths. *See* Agassiz, A.; *see* Jentzsch, A.
 Calvados (France) Cenomanian. *See* Jukes-Browne, A. J., & W. Hill.
 — (—) Cretaceous. *See* Jukes-Browne, A. J., & W. Hill.
 — (—) Jurassic Reptilia. *See* Bigot, A.
 — (—) Toarcian. *See* Brasil, L.
 Calvi, Monte (Tuscany). *See* Fucini, A.
 — (—). *See* Levi, G.
 Calymenopsis. *See* Bergeron, J.
 Cambodia (Asia). *See* Petition, A.
 Cambrian Brachiopoda. *See* Stolley, E.
 — Fauna. *See* James, J. F.; *see* Marr, J. E.
 —, Alemtejo (Portugal). *See* Delgado, J. F. N.
 —, Bohemian. *See* Pompeckj, J. F.
 — Graptolites. *See* Matthew, G. F.
 —, Hérault. *See* Bergeron, J.; *see* Rouville, P. G. de.
 — Industrial Products. *See* Anon., 13.
 — Massif, Southern Termination of, Stavelot (Nord). *See* Forir, H.
 —, near Elvas (Alemtejo). *See* Delgado, J. F. N.
 —, North American. *See* Matthew, G. F.
 —, Pennsylvania. *See* Walcott, C. D.
 — Phosphorite-bearing Rocks, Sweden. *See* Andersson, J. G.
 — *Puckisia*, Howth (Co. Dublin). *See* Sollas, W. J.
 —, Siberia. *See* Toll, Baron E. von.
 —, South Wales. *See* Hicks, H.
 —, Tejšovic & Skrej (Bohemia). *See* Jahn, J. J.
 — Trilobite Faunas. *See* Matthew, G. F.
 — Typical Fossils. *See* Koken, E.
 — Zones, West Gotland (Sweden). *See* Wallerius, J. D.
 Camelus, Algerian Fossil. *See* Pomel, A.
 Cameroons (West Equatorial Africa). *See* Stromer von Reichenbach, E. Freih.
- Campbell Island (N.Z.). *See* Hector, Sir J.
 Campiglia Marittima (Tuscany) Lias. *See* Fucini, A.
 Campine (Limburg). *See* Velge, G.
 Camps (Lot) Cretaceous. *See* Toucas, A.
 Canada. *See* Whiteaves, J. F.
 —, Cambrian. *See* Matthew, G. F.
 —, Capt. Palliser's Cretaceous Specimens. *See* Whiteaves, J. F.
 — Earthquakes. *See* Montessus de Ballore, F. de.
 —, Eastern. *See* Chalmers, R.
 — Geological Survey. *See* Dawson, G. M.; *see* Chalmers, R.; *see* Dowling, D. B.; *see* Ellis, R. W., & F. D. Adams; *see* Ferrier, W. F.; *see* McConnell, R. G.
 —, Norian. *See* Adams, F. D.
 —, North-western. *See* Tyrrell, J. B.
 —, Petroleum. *See* Weeks, J. D.
 —, Rising of Eastern. *See* Bell, R.
 — Volcanic Rocks. *See* Matthew, W. D.
 —, Western. *See* Dawson, G. M.
 Canadian Fossil Insects. *See* Scudder, S. H.
 — Minerals. *See* Ferrier, W. F.
 — Ordovician *Turrilepas*. *See* Woodward, H.
 — Rocks, Concretions. *See* Weston, T. C.
 — Rocky Mountains. *See* Wilcox, W. D.
 — Silurian Fauna. *See* Ami, H. M.; *see* Grant, C. C.
 Canal Valley Permian (Carinthia). *See* Geyer, G.
 Canandaigua Lake (N.Y.). Eruptive Rock-contact with Trenton Limestone on West Shore. *See* Emerson, B. K.
 Cancrinite-granite, Kuolajärvi (Finland). *See* Ramsay, W., & E. T. Nyholm.
 —, syenite, Finland. *See* Ramsay, W., & E. T. Nyholm.
 Candal (Saône-et-Loire). *See* Chaignon, H. de.
 Candona. *See* Chapman, F.
 Canidæ. *See* Grevé, C.
 —, John Day Miocene. *See* Eyerman, J.
 Canigou Massif (Eastern Pyrenees). *See* Roussel, J.
 Canis. *See* Winge, H.
 Canna (Isle of) Basalts. *See* Geikie, Sir A.
 Cantal (Auvergne). *See* Boule, M.
 Cape Colony. *See* Struben, F. P. T.
 Capélaus, Grotte des (Lozère). *See* Barbot, J.
 Cape Verde Islands. *See* Melikov, P.
 Caprara (Island) Granite. *See* Lovisato, D.
 Caprina. *See* Pâquier, V.
 Caprinula. *See* Pâquier, V.
 Capulus. *See* Hudleston, W. H.; *see* Whidborne, G. F.
 Carbo-Permian Plants. *See* Potonié, H.

- Carbonicola*. See Dawson, Sir J. W.
 —. See Hind, W.
- Carboniferous, Anglesey. See Greenly, E.
 — Arachnida. See Howard, F. T., &c.
 — Bacteriaceæ. See Renault, B.
 — Beds, Transvaal. See Lapierre, —.
 — Cephalopoda. See Crick, G. C.
 — Cockroaches. See Scudder, S. H.; see Woodward, H.
 — Copper Ore, Kallwang (Upper Styria). See Vaček, M.
 — *Cyclus*. See Woodward, H.
 — Deposits of Liège (Belgium), Minerals in. See Jorissen, A.
 — Deposits, *Palæchinides*-limestone in Northern France. See Lohest, M.
 — District, French Alps. See Kerner, F. von.
 — —, Mendoza (Argentina). See Bodenbender, G.; see Hauthal, R.
 — Fauna, Central Asia. See Suess, E., &c.
 — —, Matagne (Namur). See Forir, H.
 — —, Paire, near Clavier (Liège). See Destineuz, P.
 — —, Sosoye (Liège). See Fournier, D. G.
 — —, Tournai (Hainault). See Dewalque, G.
 — Fishes, British. See Davis, J. W.
 — —, Illinois. See Eastman, C. R.
 — Foraminifera, Western Australia. See Howchin, W.
 — Formation, Belgium. See Briart, A.; see Dewalque, G.
 — —, Liège. See Forir, H., &c.
 — Gasteropoda. See Donald, Jane.
 — Harz. See Koch, M.
 — Industrial Products. See Anon., 13.
 — Insects. See Scudder, S. H.; see Woodward, H.
 — Irish Ostracoda. See Jones, T. R., &c.
 — Island of Arran. See Neilson, J.
 — Lamellibranchiata. See Hind, W.
 — —, Nova Scotia. See Dawson, Sir J. W.
 — Life-zones. See Marr, J. E.
 — Limestone, Belgian. See Briart, A.; see Dewalque, G.; see Dorlodot, H. de.
 — — Fauna. See Hinde, G. J.
 — — —, Belgian. See Destineuz, P.
 — — Nomenclature, &c. See Lohest, M., & H. Forir.
 — —, Mississippi Valley. See Keyes, C. R.
 — —, Mont Blanc (Haute-Savoie). See Duparc, L., & L. Mrazec.
 — *Murchisonia*. See Donald, Jane.
 — Nomenclature, American. See Keyes, C. R.
- Carboniferous, N.W. Argentina. See Bodenbender, G.
 — —, Northumberland. See Gunn, W., &c.
 — — Period, Distribution of Land & Sea in. See Bertrand, M.
 — — Plant, Loch Ryan (Wigtown). See Horne, J.
 — — Plants. See Kidston, R.; see Renault, B.; see Scott, D. H.; see Seward, A. C.; see Solms-Laubach, Count H. zu; see Williamson, W. C.; see Zeiller, R.
 — — —, Alemtejo (Portugal). See Lima, W. de.
 — — —, Brazil. See Zeiller, R.
 — — —, German. See Potonié, H.
 — — —, Westphalian. See Felix, J.
 — — Rocks, Heraclea (Asia Minor). See Douville, H.
 — — —, Island of Arran. See Neilson, J.
 — — Sandstones, Cumberland. See Kendall, J. D.
 — — —, Indiana. See Hopkins, T. C.; see Kindle, T. C.
 — — Sea, Depth of. See Wethered, E. B.
 — — System, Zonal Divisions. See Garwood, E. J., & J. E. Marr; see Hind, W.
 — — Trilobites. See Woodward, H.
 — — Typical Fossils. See Koken, E.
 — — Upright Trees. See Schmitz, R. P. G.
- Cardiaster*. See Schlüter, C.
 Cardiff (Glam.), Well-boring, &c. See Howard, F. T.
- Cardiola*. See Barrois, C.; see Hicks, H. C.
Cardioperis. See Johnston, R. M.
Cardita. See Bittner, A.; see Oppenheim, P.; see Vinassa de Regny, P. E.
- Cardium*. See Bittner, A.; see Oppenheim, P.; see Steinmann, G., &c.
- Caremapu (Chili) Gold. See Cortés, O.; see Sundt, L.
- Caria (Persia). See Paton, W. R., & J. L. Myres.
- Cariderpestes*. See Whidborne, G. F.
- Carnia (Venetia), Triassic Fauna. See Tommasi, A.
- Carnic Alps. See Futterer, K.
 — — (Carinthia). See Geyer, G.; see Teller, F.; see Rosiwal, A.
 — — —, Devonian Corals. See Frech, F.
 — — —, Silurian Fauna. See Geyer, G.
- Carniola, Eruptive Rocks. See Graber, H. V.
- Carnivora, Brazilian. See Winge, H.
 — —, John Day Miocene (Oregon). See Eyerman, J.
 — —, Molasse. See Studer, T.
 — —, Port Kennedy (Pa.) Fissure. See Cope, E. D.
- Carolina. See North & South Carolina.

- Carolina, Building Stones. *See* Day, W. C.
- , Iron Ores. *See* Birkinbine, J.
- , Kaolin and Clays. *See* Holmes, J. A.
- (North and South) Geological Surveys. *See* Klittke, M.
- (South) Coastal Plain Series. *See* Darton, N. H.
- Carpathian Flysch Foraminifera. *See* Grzybowski, J.
- Carpathians. *See* Grzybowski, J.
- , *See* Niedzwiedzki, J.
- , Roumanian. *See* Teisseyre, L.
- Carpolithus*. *See* Ettingshausen, C. Freih. von; *see* Lima, W. de.
- Caststone, Lincolnshire. *See* Lamplugh, G. W.
- Caryocaris* a Graptolite? *See* Gurley, R. R.
- Caryocrinus*. *See* Miller, A. S., &c.
- Casanna (Valais) Schists. *See* Duparc, L., & E. Ritter.
- Cassel (France), 'Calcaire grossier.' *See* Gosselet, J.
- Cassia*. *See* Ettingshausen, C. Freih. von.
- Cassianella*. *See* Bittner, A.
- Cassidaria*. *See* Vinassa de Regny, P. E.
- Cassis*. *See* Oppenheim, P.
- Cassiterite. *See* Arzruni, A.; *see* Traube, H.
- Castellane (Basses-Alpes). *See* Kilian, W., &c.; *see* Michel-Lévy, A., &c.; *see* Zürcher, P.
- Castelnuovo ne' Monti (Reggio, Emilia). *See* Simonelli, V.
- Castets-en-Dorthe (Gironde). *See* De-grange-Touzin, A.
- Castleton (Derbys.), Caverns near. *See* Barnes, J., & W. F. Holroyd.
- Castoroid remains, Berkeley (Cal.). *See* Merriam, J. C.
- Castro dei Volsci (Rome) Asphalt. *See* Viola, C.
- Casuarina*. *See* Ettingshausen, C. Freih. von.
- Caswellite. *See* Gaubert, P.
- Catesby (Northants). *See* Thompson, B.; *see* Woodward, H. B.
- Cathophyllum*. *See* Suess, E., &c.
- Catogne, Mont (Valais). *See* Graeff, F.
- Cat's-Eye. *See* Bauer, M.
- Catskill Mts. (N. Y.), Stream-robbing. *See* Darton, N. H.
- Cattaraugus Co. (N. Y.). *See* Randall, F. A.
- Catulloceras*. *See* Brasil, L.
- Caturus*. *See* Woodward, A. S.
- Caucasus (Russia). *See* Inostranzev, A., &c.
- Igneous Rocks, &c. *See* Dingelstedt, V.
- (Central). *See* Vénukov, P.
- (North-eastern). *See* Radde, G., & E. Koenig.
- Caulerpa*. *See* Fuchs, T.
- 'Causses' (Lot, Aveyron, Lozère) Caverns. *See* Martel, E. A.
- Cave, Mitchelstown (Cork). *See* Jameson, H. L.; *see* Martel, E. A.
- Cave near Pegazzano, Spezia (Liguria), Bone-. *See* Capellini, G.
- Cavern, Port Kennedy (Pa.). *See* Cope, E. D.
- Caverns. *See* Martel, E. A.
- , American. *See* Owen, L. A.
- , Belgian. *See* Dewalque, G.
- , Bosnia & Herzegovina. *See* Kraus, F.
- , Derbyshire, Ireland, and France. *See* Martel, E. A.
- , Gouffre de Pierrefeu (Jura). *See* Chevrot, —.
- , Gramat (Lot). *See* Albe, E.
- , Grotte de Saint-Robert, near Brive (Corrèze). *See* Lalande, P.
- , Hermet & Alysses, Causse de Gramat (Lot). *See* Albe, E.
- , Istria. *See* Marinitsch, J.
- , La Mouthe (Dordogne). *See* Rivière, E.
- , Le Creux de Soucy, Francheville (Côte-d'Or). *See* Mazauric, F.
- , Lipari Islands. *See* Anon., 10.
- , Lozère. *See* Barbot, J.
- , near Castleton (Derbys.). *See* Barnes, J., & W. F. Holroyd.
- round Culoz (Ain). *See* Corcelle, J.
- , Southern Jura (France). *See* Corcelle, J.
- , Spain. *See* Puig y Labraz, G.
- , Velburg (Bavaria). *See* Schlosser, M.
- , Yucatán (Central America). *See* Kraus, F.
- Caves and River-Valleys. *See* Dickinson, J.
- , Boudène, Roquedur (Gard). *See* Mazauric, F.
- , Caverne du Rajol (Dordogne). *See* Lalande, P.
- , Douboca (Servia). *See* Cvijić, J.
- , Enniskillen (Fermanagh). *See* Jameson, H. L.
- , Irish. *See* Praeger, R. L.
- , Jenolan, Blue Mts. (N.S.W.). *See* Tissandier, A.
- , Kosova Jama (Gouffre des Merles), near Trieste (Austria). *See* Marinitsch, J.
- , La Caborne à Fréquent, Lons-le-Saulnier (Jura). *See* Chevrot, —.
- , New South Wales. *See* Leigh, W. S.
- , Saint-Cristol (Vaucluse). *See* Bonneau, —.
- , Stalactites and Gypsum Incrustations. *See* Merrill, G. P.
- , Web River (Abyssinia). *See* Smith, A. D.
- Cavolinia*. *See* Simonelli, V.
- Cayambe (Ecuador) Volcanic Rocks. *See* Reiss, W., &c.
- Cedroxylon*. *See* Renault, B.
- Celadonite. *See* Lacroix, A.

- Celebes Island. *See* Wichmann, H., & A. C. Kruijt.
- Cenomanian of England and France. *See* Jukes-Browne, A. J., & W. Hill.
- Centronella*. *See* Barrois, C.
- Cephalopoda. *See* Bather, F. A.; *see* Fliegel, G.; *see* Holm, G.; *see* Koken, E.; *see* Lydekker, R., &c.; *see* Marr, J. E.; *see* Pompeckj, J. F.
- , Bernese - Jura Rauracian. *See* Loriol, P. de.
- , Braiç (Dalmatia) Triassic. *See* Bukowski, G. von.
- , Calabrian Lias. *See* Greco, B.
- , Callovian. *See* Bizet, P.
- , Carboniferous. *See* Crick, G. E.
- , Central Australian. *See* Tate, R.
- , Chalk Rock. *See* Woods, H.
- , Chilian Tertiary. *See* Steinmann, G., &c.
- , Cretaceous. *See* Blackmore, H. P.; *see* Grossouvre, A. de; *see* Tiessen, E.; *see* Whiteaves, J. F.
- , Devonian. *See* Barrois, C.; *see* Whidborne, G. F.
- , Eastern Siberian Trias. *See* Bittner, A.
- , Fauna, Himalayan Triassic. *See* Mojsisovics von Mojsvár, E. von.
- , Giudicarian Triassic. *See* Arthaber, G. von.
- , Himalayan Triassic. *See* Diener, C.; *see* Mojsisovics von Mojsvár, E. von.
- , Illinois Fossil. *See* Worthen, A. H., &c.
- , in Drift, Moreseat (Aberdeen). *See* Sharman, G., & E. T. Newton.
- , Jurassic of Normandy. *See* Brasill, L.; *see* Buckman, S. S.
- , Liassic. *See* Levi, G.
- , North Italian Jurassic. *See* Parona, C. F.; *see* Tommasi, A.
- , Pacific Coast Cretaceous. *See* Stanton, T. W.
- , Palæozoic. *See* Clarke, J. M.; *see* Miller, S. A., & W. F. E. Gurley.
- , Rauracian. *See* Loriol, P. de, & E. Koby.
- , Rhenish Devonian. *See* Maurer, F.
- , Salt-Range (Panjab) Trias. *See* Waagen, W.
- , Secondary Rocks of Württemberg. *See* Engel, T.
- , Spanish Cretaceous. *See* Nicklès, R.
- , Swabian Jurassic. *See* Pompeckj, J. F.
- , Triassic. *See* Mojsisovics von Mojsvár, E. von; *see* Philippi, E.
- , Trenton Limestone. *See* Whiteaves, J. F.
- , Turonian. *See* Roussel, J.
- , Western Australian Jurassic. *See* Crick, G. C.
- Cephalopode Siphuncle. *See* Holm, G.
- Cephalotropis*. *See* Cope, E. D.
- Ceratioecaris*. *See* Whidborne, G. F.
- Ceratite Formation, Salt Range (Panjab). *See* Waagen, W.
- Ceratites*. *See* Arthaber, G. von; *see* Philippi, E.
- Ceratitic Cephalopoda. *See* Waagen, W.
- Ceratopetalum*. *See* Ettingshausen, C. Freih. von.
- Ceratophycus*. *See* Fuchs, T.
- Ceratophyllum*. *See* Ettingshausen, C. Freih. von.
- Ceratostigma*. *See* Clarke, J. M.
- Cergy, near Pontoise (Seine-et-Oise), Pleistocene. *See* Laville, A.
- Ceripora*. *See* Steinmann, G., &c.
- Ceritella*. *See* Hudleston, W. H.; *see* Cossmann, M.
- Cerithinella*. *See* Hudleston, W. H.
- Cerithium*. *See* Oppenheim, P.
- Cernay, near Reims (Marne). *See* Lemoine, V.
- Cernaysian. *See* Lemoine, V.
- Ceromya*. *See* Bizet, T.
- Cerrillos Coal-field (New Mexico). *See* Stevenson, J. J.
- Cervidæ. *See* Studer, T.
- Cervus*. *See* Meli, R.
- , Algerian Fossil. *See* Pomel, A.
- , Molasse. *See* Studer, T.
- , Prov. of Rome Quaternary. *See* Meli, R.
- Cetacea. *See* Moreno, F. P.; *see* Prato, A. del; *see* Flot, L.
- , Fossil in Calabria and Tuscany. *See* Capellini, G.
- , South - American Fossil. *See* Ameghino, F.
- Cetiosaurus*. *See* Parker, J.
- Cetotherium*. *See* Cope, E. D.
- Chablais, Brèche du (Haute-Savoie). *See* Lugeon, M.
- Chænomya*. *See* Miller, S. A., & W. F. E. Gurley.
- Chætetes*. *See* Barrois, C.; *see* Suess, E., &c.
- Chaillol (Hautes-Alpes). *See* Termier, P., & P. Lory.
- Chalcedony. *See* Bauer, M.
- Chalcodeite. *See* Ferrier, W. F.; *see* Traube, H.
- Chalfont Fault Rock, Yardley (Pa.). *See* Lyman, B. S.
- Chalk. *See* Anon., 13.
- , Dislocation and Disintegration in Eastern England and in Denmark. *See* Howorth, Sir H. H.
- , District, Glarus. *See* Burckhardt, C.
- , English and French. *See* Jukes-Browne, A. J., & W. Hill.
- , Foraminifera. *See* Burrows, H. W., & R. Holland; *see* Strahan, A., &c.
- , Fossils, Preparation &c. *See* Rowe, A. W.

- 'Chalk' Hills, Salem (Madras). *See* Middlemiss, C. S.
- Chalk Hippurites. *See* Futterer, K.
- , Langenberg (Magdeburg) Upper. *See* Tiessen, E.
- , Lewes (Sussex) Phosphatic. *See* Strahan, A., &c.
- , Liquid Inclusions in Sicilian. *See* Lotti, B.
- , Mollusca, Provence (France). *See* Oppenheim, P.
- , Ostracoda. *See* Strahan, A., &c.
- , of Eastern England, Destruction of. *See* Howorth, Sir H. H.
- , Pleistocene Pond-. *See* Jahn, J.
- , Rock Mollusca. *See* Woods, H.
- , Schleswig-Holstein Upper. *See* Stolley, E.
- , (Upper) *Aptychi*. *See* Blackmore, H. P.
- , (—) *Nautilus*. *See* Tiessen, E.
- Chalky-Boulder Clay. *See* Howorth, Sir H. H.
- Chalosse (Landes) Tertiary. *See* Reyt, L.
- Chambéry (Savoy). *See* Douxami, H.
- , (—) Alluvium. *See* Hollande, —.
- , (—) Interglacial Lignites. *See* Depéret, C., &c.
- Chamidæ. *See* Pâquier, V.
- Chamois, Pyrenees Quaternary. *See* Harlé, E.
- Chamosite. *See* Lacroix, A.
- Champlain Epochs. *See* Upham, W.
- Changes of Level, Norway. *See* Feilden, H. W.
- , Sweden. *See* Högbom, A. G.
- Charente (France) Jurassic Rocks. *See* Fournier, A.; *see* Glangeaud, P.; *see* Welsch, J.
- , (—) Reptiles & Fishes. *See* Glangeaud, P.
- , (—) Tertiaries. *See* Glangeaud, P.
- Charmoy Boring (Saône-et-Loire). *See* Michel-Lévy, A.
- Charnwood Forest (Leicester). *See* Watts, W. W.
- Charolles (Nièvre). *See* Launay, L. de.
- Château-Gontier (Mayenne). *See* Michel-Lévy, A., &c.
- , Thierry (Aisne). Bartonian. *See* Janet, L.
- Chatham Island (N.Z.). *See* Hector, Sir J.
- , (—), Extinct Birds. *See* Andrews, C. W.
- Châtillon-sur-Seine (Côte-d'Or). *See* Collot, —; *see* Maison, —.
- Chautauqua Co. (N.Y.). *See* Randall, F. A.
- Cheliracanthus*. *See* Traquair, R. H.
- Chirolepis*. *See* Traquair, R. H.
- Chirurus*. *See* Barrois, C.; *see* Kayser, E.; *see* Reed, F. R. C.
- Chelles (Seine-et-Marne) & Villefranche-sur-Saône (Rhône), Quaternary Remains. *See* Mortillet, G. de.
- Chelonia. *See* Cope, E. D.; *see* Depéret, C., &c.
- , Maltese Miocene. *See* Ristori, G.
- Chemical Mineralogy. *See* Brauns, R.; *see* Harrington, B. J.
- Chemistry & Geology. *See* Dickson, E.
- Chenango Co. (N.Y.). *See* Clarke, J. M.
- Chenopus*. *See* Oppenheim, P.
- Cherbourg (Manche). *See* Michel-Lévy, A., &c.
- Chersites. *See* Depéret, C., &c.
- Chert, Canadian Silurian. *See* Grant, C. C.
- Cherts. *See* Hinde, G. J., &c.; *see* Rauff, H.
- , Arkansas. *See* Griswold, L. S.
- , Montenotte Radiolarian (Liguria). *See* Parona, C. F., & G. Rovereto.
- , San Francisco Peninsula. *See* Lawson, A. C.
- , Thunder Bay (Lake Superior). *See* Ingall, E. D.
- , Warminster (Wilts). *See* Jukes-Browne, A. J.
- Chesham (Bucks). *See* Salter, A. E.
- Cheshire, Coast Erosion. *See* Morton, G. H.
- Cheshunt (Herts), Palæozoic Rocks under. *See* Francis, J.
- Chester Co. (Pa.) Dykes. *See* Frazer, P.; *see* Rand, T. D.
- Chetwode (Bucks). *See* Woodward, H. B.
- Chicago Exhibition. *See* Bather, F. A.
- Chichan-Kanab (Yucatán). *See* Howe, J. L.
- Chico-Tejon Lignites (California). *See* Noguès, A. F.
- Chili. *See* Noguès, A. F.; *see* Philippi, R. A.
- , Cretaceous Lignites. *See* Noguès, A. F.
- , Gold. *See* Cortés, O.; *see* Möricke, W.; *see* Sundt, L.
- , Nitrate. *See* Newton, W.
- , (Northern), Tertiary Deposits & Fauna. *See* Steinmann, G., &c.
- Chilian Eruptive Rocks. *See* Möricke, W.
- , —, & Metalliferous Deposits. *See* Möricke, W.
- , Minerals. *See* Hohmann, T.
- Chilodontoidea*. *See* Hudleston, W. H.
- Chilonyx*. *See* Cope, E. D.
- China. *See* Steuer, A.; *see* Hedin, S.
- , Clay. *See* Anon., 13.
- Chinese Turkestan. *See* Hedin, S.
- Chingford Museum (Essex). *See* Holmes, T. V.
- Chippenham (Wilts). *See* Winwood, H. H., & H. B. Woodward.
- Chirosaurus*-Footprints. *See* Beasley, H. C.
- Chæromorus*. *See* Studer, T.

- Cholet (Maine-et-Loire). See Michel-Lévy, A.
- Chondrites, Flysch. See Gümbel, W. von.
- Chonetes. See Barrois, C.; see Suess, E., &c.
- Chopwell Colliery, Durham. See Gilchrist, J. R.
- Christchurch (N.Z.) Artesian Wells. See Hutton, F. W.
- Christiania District, Eruptive Rocks. See Brögger, W. C.
- Christianite. See Buttgenbach, H.
- Chrome Ochre. See Hohmann, T.; see Lacroix, A.
- , Southern Appalachian Region. See Glenn, W.
- Chrysoberyl. See Bauer, M.
- Chrysocola. See Liversidge, A.; see Pethó, J.
- Chrysolite. See Bauer, M.; see Penfield, S. L., & E. H. Forbes.
- Chrysoprase. See Bauer, M.
- Cidaris. See Loriol, P. de.
- Cimina Regione (Prov. Rome), Erratic Blocks. See Fantappiè, L.
- Cimino, Monte (Prov. Rome). See Meli, R.
- Cincinnati Group Fauna. See James, J. F.
- Cingielle, Monte (Venetia). See Oppenheim, P.
- Cinnabar. See Laube, G. C.
- , Chile. See Hohmann, T.
- , New Zealand. See Gordon, H. A., &c.
- , Texas. See Blake, W. P.
- Cinnamomum. See Ettingshausen, C. Freih. von.
- Cinque Valli, near Roncegno (S. Tyrol). See Rosiwal, A.
- Circeo, Monte (Prov. Rome). See Meli, R.
- Cirin (Ain), Virgulian Echinoderms. See Loriol, P. de.
- Cirripedia. See Clarke, J. M.; see Woodward, H.
- Cirrus. See Hudleston, W. H.
- Cistierna (Leon, Spain) Coal-basin. See Laur, F.
- Citrine. See Bauer, M.
- Cladiscites. See Mojsisovics von Mojsvár, E. von.
- Cladocothallus. See Renault, B.
- Cladodonts. See Claypole, E. W.
- Clarksburg Formation, Michigan. See Van Hise, C. R., &c.
- Clathraria. See Renault, B.
- Clathrodictyon. See Suess, E., &c.
- Clava (Inverness). See Smith, J.
- Claxby Beds. See Lamplugh, G. W.
- Clay, Bolivian White. See Gautier, F.
- Deposits, North Carolina. See Holmes, J. A.
- , Formation of. See Holland, P., &c.
- Industries, U.S.A. See Middleton, J.; see Ries, H.
- Clay-Ironstone with Gallium, Cleveland (Yorks). See Hartley, W. N., & H. Ramage; see Anon., 13; see Hutchings, W. M.; see Marr, J. E.
- , Deposition in Water. See Thoulet, J.
- , Eastern English Glacial, &c. See Howorth, Sir H. H.
- , Indiana. See Blatchley, W. S.
- , Massachusetts. See Shaler, N. S.
- , North Carolina. See Holmes, J. A.
- Cleaning Specimens of Matrix. See Rowe, A. W.
- Cleavage. See Van Hise, C. R.
- , Slaty. See Becker, G. F.
- & Fissility. See Van Hise, C. R.
- Clemmys. See Depéret, C., &c.
- Clepsydropsis. See Renault, B.
- Cleveite. See Ramsay, W.
- Cleveland (Yorks), Gallium in Clay-Ironstone. See Hartley, W. N., & H. Ramage.
- Cliffs, Pays de Caux (Seine-Inférieure). See Thoulet, J.
- , Sainte-Adresse to Saint-Jouin (Seine-Inférieure). See Savalle, E.
- Climacograptus. See Wiman, C.
- Climates. See Drayson, A. W.
- Clinton Beds, Ohio. See Foerster, A. F.
- Clinton Co. (N.Y.). See Cushing, H. P.
- Clio. See Simonelli, V.
- Cliionites. See Mojsisovics von Mojsvár, E. von.
- Clitambonites. See Matthew, G. F.
- Clupea. See Bonomi, I.
- Clyde Manganese Deposits. See Murray, J.
- Clydonautilus. See Mojsisovics von Mojsvár, E. von.
- Clypeaster. See Loriol, P. de.
- Clypeus. See Bizet, T.
- Coal. See Anon., 3, &c.; see Jewel-Evans, C.; see Ochsenius, C.; see Ramann, E.
- , Africa (South). See Launay, L. de.
- , Argentina. See Bodenbender, G.; see Hauthal, R.
- , Asia Minor. See Arslanian, D.
- , Austro-Hungarian. See Schip-pel, C.
- Basin, Cistierna (Leon, Spain). See Laur, F.
- , Heraclea (Asia Minor). See Ralli, G.
- , Kousnetzk (Tomsk). See Baikov, A.; see Vénukov, P.
- , Saint-Étienne (Loire). See Coste, —.
- , California. See Fairbank, H. W.
- , Formation of. See Lapparent, A. de.
- , Heraclea (Asia Minor). See Douvillé, H.
- , Hungarian. See Anon., 3.
- , India. See Grundy, J.

- Coal, Japanese. *See* Brown, F.
 —, Kansas. *See* Knerr, E. B.; *see* Smith, B. B.
 —, Matabeleland. *See* Shaw, F. G.
 —, New South Wales. *See* Mackenzie, J.
 —, New Zealand. *See* Gordon, H. A., &c.
 —, Nova Scotian. *See* Gilpin, E., Jun.
 —, Persian. *See* Wells, H. L.
 —, seam Pebbles, Belgian. *See* Stainier, X.
 —, seams thinning out near Pontefract (Yorks). *See* Durnford, H. St. J.
 —, Siberian. *See* Vénukov, P.
 —, Switzerland and Vorarlberg. *See* Gumbel, W. von.
 —, Tomsk (Siberia). *See* Vénukov, P.
 —, Transvaal. *See* Anon., 38.
 —, United States. *See* Parker, E. W.
 —, Veins. *See* Ramann, F.
 Coalfield, Ashford (N.S.W.). *See* Pittman, E. F.
 —, Ayrshire. *See* Dron, R. W.
 —, Bristol. *See* Kidston, R.
 —, Caermarthen. *See* Anon., 12.
 —, Cerrillos (New Mexico). *See* Stevenson, J. J.
 —, Cumberland. *See* Kendall, J. D.
 —, Decize (Nièvre). *See* Launay, L. de.
 —, Derbyshire. *See* Anon., 19; *see* Hull, E.
 —, Donetz (Russia). *See* Lebedev, N.; *see* Loutouguine, L.; *see* Tschernyshev, T.
 —, Dover. *See* Brady, F., &c.; *see* McDakin, —.
 —, Durham. *See* Anon., 21; *see* Gilchrist, J. R.
 —, Emsch Synclinal of the Ruhr Coalfield (Westphalia). *See* Schulz-Briesen, M.
 —, Fifeshire. *See* Anon., 5.
 —, Giridih (Bengal). *See* Holland, T. H.
 —, Glamorganshire. *See* Anon., 25.
 —, Grand Lake (N.B., Canada). *See* Leckie, R. G. E.
 —, Heidelberg (Transvaal). *See* Shipley, T. B.
 —, Kent. *See* Brady, F., &c.
 —, Kentucky. *See* MacFarlane, G.
 —, Lanarkshire. *See* Anon., 29.
 —, Lancashire. *See* Anon., 30; *see* De Rance, C. E.
 —, Leicestershire. *See* Anon., 31; *see* Elias, —.
 —, Lothian. *See* Anon., 32.
 —, Midland. *See* Hull, E.
 —, Midlothian. *See* Morison, J.
 —, Nord & Pas-de-Calais (France). *See* Gruner, E.
 Coalfield, Nottinghamshire. *See* Coke, G. E.; *see* Gresley, W. S.
 —, Ostrau-Karwin (Moravia). *See* Andree, T.
 —, Pas-de-Calais. *See* Anon., 34; *see* Soubeiran, A.
 —, Pembrokeshire. *See* Anon., 36.
 —, Saarbrück (Alsace). *See* Gumbel, C. von.
 —, Somerset. *See* Kidston, R.
 —, South Wales. *See* Kidston, R.
 —, Staffordshire. *See* Ward, J.
 —, Sydney (Cape Breton). *See* Gilpin, E.
 —, Transvaal. *See* Brown, W. F.
 —, Upper Silesia. *See* Gaebler, C.
 —, Valenciennes (Nord). *See* Chapuy, —.
 —, Warwickshire. *See* Anon., 39; *see* Gill, W.; *see* De Rance, C. E.
 —, Western Interior (U.S.A.). *See* Keyes, C. R.
 —, Wyre Forest (Salop). *See* Cant-rill, T. C.
 —, Yorkshire. *See* Durnford, H. St. J.; *see* Hull, E.; *see* Gresley, W. S.
 —, Zwickau (Saxony). *See* Baudisch, H.; *see* Treptow, J.
 Coalfields, Belgian. *See* Gruner, E.
 —, Bohemian. *See* Jaroschka, J.; *see* Remy, —.
 —, New South Wales. *See* Mackenzie, J.
 —, Pennsylvania. *See* Lakes, A.; *see* Lesley, J. P.
 —, Shropshire, Staffordshire & Forest of Wyre Extension. *See* Clarke, W. J.
 —, Silesian (Upper). *See* Gaebler, C.
 —, United States. *See* Jones, J. H.; *see* Parker, E. W.
 Coal Formation, South Joggins (Nova Scotia), Batrachian Remains. *See* Dawson, Sir J. W.
 Coal-Measure Fishes. *See* Bolton, H.
 —, Sporangiferous Spike, Rochdale (Lancs). *See* Hick, T.
 —, North-eastern Bituminous Appalachian. *See* Ramsay, G. S.
 —, Whitehaven Sandstone Series. *See* Holmes, T. V.
 Coal-mining, Assam. *See* Turner, G.
 —, Great Britain. *See* Galloway, R. L.
 Coal Plants. *See* Renault, B.; *see* Zeiller, R.
 Coal-Regions, Kentucky Eastern. *See* MacFarlane, G.
 Coals coked in U.S.A., Geological Horizon of. *See* Weeks, J. D.
 Coast Denudation (Normandy). *See* Savalle, E.
 —, Erosion, Southwold (Suffolk). *See* Spiller, J.
 —, Wirral (Cheshire). *See* Morton, G. H.; *see* Whitaker, W.

- Coast Erosion Rate of. *See* De Rance, C. E.
 — Plain, Norway. *See* Reusch, H.
 Cobalt. *See* Kingsbury, J. T.; *see* Martens, P.
 —, Silesian. *See* Rosenberg-Lipinsky, — von.
 Coblenzian Spirifers, Belgian. *See* Béclard, F.
 Coburg Trias. *See* Loretz, H.
Coccosteus. *See* Clarke, J. M.; *see* Traquair, R. H.
Coccotethis. *See* Crick, G. C.
 Cochinchina, French. *See* Petition, A.
 Cockburnspath (Berwicks). *See* Richardson, R.
 Cockroach. Carboniferous. *See* Woodward, H.
 Cockroaches, American Fossil. *See* Scudder, S. H.
Codaster. *See* Miller, S. A., & c.
Codonspermum. *See* Renault, B.
 Cœlacanthidæ. *See* Bassani, F.
Cœloceras. *See* Fucini, A.
Cœlodus. *See* Priem, F.
Cœlopis. *See* Bittner, A.
Cœlosphæridium. *See* Stolley, E.
Cœnites. *See* Barrois, C.
 Cogne Valley (Piedmont). *See* Chelussi, I.
 Coimadai (Victoria) Glaciation. *See* Officer, G., & c.
 Coimbatore (Madras) Corundum. *See* Middlemiss, C. S.
 Colar Gold Field (Bombay Pres.). *See* Garland, J.
 Colberg (Pomerania). *See* Berendt, G.; *see* Jentsch, A.; *see* Müller, G.
 Coleoptera. *See* Scudder, S. H.
 Collaz (Vaud) Neocomian. *See* Schardt, H.
Collonia. *See* Oppenheim, P.
 Collyrite. *See* Murton, C. J., & S. Shaw.
Collyrites. *See* Bizet, T.
Colobodus. *See* Bassani, F.
 Colorado Building Stones. *See* Day, W. C.
 — Caves. *See* Owen, L. A.
 — Coal. *See* Parker, E. W.
 — Geological Surveys. *See* Klitkke, M.
 — Igneous Rocks. *See* Russell, I. C.
 — Iron Ores. *See* Birkinbine, J.
 — Laccolites. *See* Gilbert, G. K.
 — Natural Gas. *See* Weeks, J. D.
 — Petroleum. *See* Weeks, J. D.
 — Water Supply. *See* Hay, R.; *see* Newell, F. H.
Colpospermium. *See* Renault, B.
Colpoxyton. *See* Renault, B.
 Columbia, British (Canada). *See* Dawson, G. M.
 — (S. America). Tertiary Plants. *See* Engelhardt, H.
 — (U.S.A. District of). Geological Surveys. *See* Klitkke, M.
 Columbretes (Gulf of Valencia). *See* Becke, F.
Compsognathus. *See* Marsh, O. C.
 Comrie Earthquake (Perthshire). *See* Davison, C.
 Conanicut Island (R. I.). *See* Collie, G. L.
Concholepas. *See* Steinmann, G., & c.
 Concretions. *See* Duns, —.
 —, Canadian Rocks. *See* Weston, T. C.
 —, Log-like (Dakota). *See* Todd, J. E.
 Condamine Mt. (Hautes-Alpes). *See* Termier, P.
 Condeixa (Portugal). Hippopotamus-Remains. *See* Choffat, P.
 Condroz Massive (Belgium) Tertiaries. *See* Lohest, M.
Condylarthra. *See* Osborn, H. F., & C. Earle.
 Cone-in-Cone Structure in Limestone. *See* Liversidge, A.
 Cones of *Bennettites*. *See* Capellini, G., & Count E. zu Solms-Laubach.
 Confolens (Charente). *See* Welsch, J.
Congerina. *See* Stefanescu, S.
 Conglomerates, S. African Auriferous. *See* Africa (South); *see* Auriferous; *see* Witwatersrand (Transvaal),
 Congress, International Geological. *See* San Roman, F. J.
 Connecticut, Geological Surveys. *See* Klitkke, M.
 — River, Sandstone Reptile. *See* Marsh, O. C.
 — (U.S.A.) Building Stones. *See* Day, W. C.
 — Valley. *See* Hitchcock, C. H.
Conocardium. *See* Barrois, C.; *see* Tate, R.
Conodectes. *See* Cope, E. D.
Conospermites. *See* Ettingshausen, C. Freih. von.
Conostichus. *See* Fuchs, T.
 Constantine (Algeria). *See* Blayac, J.
 Constantinople Earthquake. *See* Davison, C.
Conularia. *See* Miller, S. A., & c.; *see* Whidborne, G. F.
 — (Sessile), Utica Shale. *See* Rüdemann, R.
Conus. *See* Gregorio, Marquis A. de; *see* Vinassa de Regny, P. E.
 Conway (Caernarvon) Llandovery Beds. *See* Elles, G. L., & E. M. R. Wood.
 — Expedition. *See* Garwood, E. J., & J. W. Gregory.
 Coolgardie Goldfields (W. Aust.). *See* Watkins, A. O.
 — (W. A.). *See* Zereiner, M. B.
 Cooling, Earth. *See* Davison, C.
 Coon Butte (Arizona). *See* Gilbert, G. K.
 Copenhagen (Denmark) Eocene. *See* Dewalque, G.

- Copper. *See* Anon., 13; *see* Kirchhoff, C.; *see* Vogt, J. H. L.
- , Cinque Valli (S. Tyrol). *See* Rosival, A.
- , Corea. *See* Gale, J. S.
- , Districts, Michigan. *See* Wadsworth, M. E.
- , Dottswood (Queensland). *See* Card, G. W.
- , Ducktown (Tenn.). *See* Henrich, C.
- , Georgia and North Carolina. *See* Blake, W. P.
- , Harz (Germany). *See* Lüdecke, O.
- , Hungary. *See* Gesell, A.
- , Kallwang (Upper Styria). *See* Vaček, M.
- , New South Wales. *See* Slee, W. H. J.
- , Servia. *See* Launay, L. de.
- , Silesia. *See* Rosenberg-Lipinsky, — von.
- , Sinai (Arabia). *See* Berthelot, —.
- , Tharsis (Huelva). *See* Courtney, C. F.
- , West of England. *See* Collins, J. H.
- , -Antimony-Crystals. *See* Hlawatsch, C.
- , -Glance. *See* Laspeyres, H., & E. Kayser.
- Coprolites. *See* Leydig, F.
- , Autun Carboniferous. *See* Renault, B.
- Coral. *See* Bauer, M.
- , Carboniferous Limestone. *See* Hinde, G. J.
- , Islands. *See* Richardson, E. W.
- , Limestone, Baden. *See* Mieg, M.
- , Reef (Northants). *See* Thompson, B., &c.
- , — Boring. *See* Watts, W. W.
- , Reefs. *See* Agassiz, A.; *see* Marr, J. E.
- Corals. *See* Hinde, G. J.; *see* Lydekker, R., &c.; *see* Ogilvie, Maria M.; *see* Simpson, G. B.
- , Carnic Lower Devonian. *See* Frech, F.
- , Central Asian Palæozoic and Secondary. *See* Suess, E., &c.
- , Chilian Tertiary. *See* Steinmann, G., &c.
- , Cincinnati Group. *See* James, J. F.
- , Devonian. *See* Barrois, C.
- , Illinois Fossil. *See* Worthen, A. H., &c.
- , Iowa Silurian. *See* Weller, S., & A. D. Davidson.
- , Island of Gotland Upper Silurian. *See* Lindström, G.
- , Palæozoic. *See* Miller, S. A., & W. F. E. Gurley.
- , Piedmont and Ligurian Pliocene. *See* Osasco, E.
- , Ponticello di Savena, near Bologna (Emilia), Pliocene. *See* Simonelli, V.
- Corals, Rhenish Devonian. *See* Maurer, F.
- , St. Cassian (Tyrol) Triassic. *See* Frech, F., & W. Volz.
- , Secondary Rocks of Württemberg. *See* Engel, T.
- , Silurian. *See* James, J. F.; *see* Kayser, E.; *see* Lindström, G.; *see* Weller, S., & A. D. Davidson; *see* Wentzel, J.
- , Swiss Cretaceous. *See* Koby, F.
- , Tabulate. *See* Sardeson, F. W.
- , Trenton Limestone. *See* Whiteaves, J. F.
- , Upper Silurian. *See* Wentzel, J.
- ‘*Corallia baltica*’ of Linnæus. *See* Lindström, G.
- Coralline Crag. *See* Harmer, F. W.
- Corax. *See* Priem, F.
- Corbicula. *See* Stefanescu, S.
- , -beds, Cergy (Seine-et-Oise). *See* Laville, A.
- Corbières (Aude) Cretaceous. *See* Toucas, A.
- Corbis. *See* Vinassa de Regny, P. E.
- Corbula. *See* Oppenheim, P.; *see* Vinassa de Regny, P. E.; *see* Vogel, F.
- Corbulidæ, Bear River Beds. *See* White, C. A.
- Cordaicladus. *See* Renault, B.
- Cordaiopsis. *See* Renault, B.
- Cordaites. *See* Lima, W. de; *see* Renault, B.
- Cordaixylon. *See* Renault, B.
- Cordebugle (Calvados) Jurassic Nerinæidæ. *See* Bigot, A.
- Cordierite. *See* Bauer, M.
- Corea. *See* Gale, J. S.
- Corfe Castle (Dorset). *See* Hudleston, W. H., &c.
- Corfu, Island of. *See* Stefani, C. de.
- Cornish Silurian Crinoids. *See* Collins, J. H.
- Cornwall, Serpentine, &c. *See* Bonney, T. G.
- Corowa (N.S.W.), Deep Alluvial Leads. *See* Bray, A. H.
- Correlation, Geologic. *See* Keyes, C. R.
- Corsham (Wilts). *See* Winwood, H. H., & H. B. Woodward.
- Corundum. *See* Baber, M.; *see* Brown, C. B.; *see* Judd, J. W.; *see* Parker, E. W.
- , Appalachian Crystalline Belt. *See* Lewis, J. V.
- , Madras. *See* Middlemiss, C. S.
- , produced by contact-metamorphism. *See* Busz, K.
- , (Blue), Manbhurn (Bengal). *See* Warth, H.
- , Rock, Naxos (Greece). *See* Beynon, R.
- , Salem and Coimbatore (Madras). *See* Middlemiss, C. S.; *see* Apatite.
- Cosmacanthus. *See* Traquair, R. H.
- Cosmoceras. *See* Brasil, L.
- Cosmorhaphæ. *See* Fuchs, T.
- Côte-d’Or, Oxfordian & Rauracian. *See* Collot, —; *see* Maison, —.

- Cotentin (Normandy). *See* Bigot, A.; *see* Carey, L.; *see* Michel-Lévy, A., &c.
 Cotteswold District (Glo'ster). *See* Colchester Wemyss, M. W.
 Cottian Alps. *See* Gregory, J. W.; *see* Novarese, V.; *see* Stella, A.
 Cotylosauria. *See* Cope, E. D.
 Covehithe (Suffolk). *See* Spiller, J.
 Coventry (Warwick) Drift Deposits. *See* Maidwell, F. T.
 Crabs. *See* Woodward, H.
 Cracow (Galicia). *See* Niedzwiedzki, J.
 Crag. *See* Burrows, H. W.; *see* Harmer, F. W.
 — Foraminifera. *See* Jones, T. R.
 Crag, Tattingstone (Suffolk). *See* Newton, E. T., &c.
 Crania. *See* Barrois, C.; *see* Hicks, H.
 Craven Highlands (West Yorks). *See* Grensted, F.
 Crémien (Isère). *See* Riaz, — de.
 Creodonta. *See* Osborn, H. F., & C. Earle; *see* Scott, W. B.
 Cretaceous Ammonites. *See* Grossouvre, — de.
 —, Ariège and Corbières (Aude). *See* Toucas, A.
 —, Atlantic Coastal Plain. *See* Clark, W. B.
 —, Australian Plants. *See* Ettingshausen, C. Freih. von.
 —, Barcelona Coast (Spain). *See* Almera, J.
 —, Basses-Alpes. *See* Zürcher, P.
 —, Bear River Beds Fauna. *See* White, C. A.
 —, Bohemia. *See* Jahn, J. J.
 —, Brachiopoda. *See* Tressen, E.
 —, Brünn (Moravia). *See* Tausch, L. von.
 —, Camps (Lot). *See* Toucas, A.
 —, Carnic Alps. *See* Futterer, K.
 —, Caucasian. *See* Dingelstedt, V.
 —, Cephalopoda. *See* Tiessen, E.
 —, Cetacea, Aquitaine. *See* Flot, L.
 —, Cliffs, Pays de Caux (Seine-Inférieure). *See* Thoulet, J.
 —, Corals, Swiss. *See* Koby, F.
 —, Crinoids. *See* Bather, F. A.
 —, Crustacea. *See* Woodward, H.
 —, Vancouver and Queen Charlotte Islands. *See* Woodward, H.
 —, District North of Klön Valley (Glarus). *See* Burckhardt, C.
 —, Drôme (France). *See* Pâquier, V.
 —, Echinoderms. *See* Arnaud, H.
 —, Madagascar. *See* Lambert, J.
 —, North German. *See* Schlüter, C.
 —, Egyptian. *See* Floyer, E.
 —, El Paso (Texas). *See* Stanton, T. W., & T. W. Vaughan.
 —, English and French. *See* Jukes-Browne, A. J., & W. Hill.
 —, Fauna, British Columbia. *See* Whiteaves, J. F.
 Cretaceous Fauna, Caucasus (Russia). *See* Inostranzev, A., &c.
 —, Nanaimo Group. *See* Whiteaves, J. F.
 —, Fishes, French. *See* Priem, F.
 —, Flora of the Southern Hemisphere. *See* Ettingshausen, C. von.
 —, Foraminifera. *See* Howchin, W.
 —, —, Scandinavian. *See* Munthe, H.
 —, Galicia. *See* Niedzwiedzki, J.
 —, Gigantic Cryptodire Testudinate. *See* Wieland, G. R.
 —, Hysteromorphous Gold Deposits, New Zealand. *See* Gordon, H. A.
 —, Idaho & Wyoming (U.S.A.). *See* White, C. A.
 —, Isle of Cuba. *See* Pellitero, V.
 —, Isle of Purbeck. *See* Strahan, A.
 —, Kansas. *See* Hay, R.
 —, Mollusca. *See* Woods, H.
 —, — from Moresat (Aberdeen) Drift. *See* Sharman, G., & E. T. Newton.
 —, —, South African. *See* Newton, R. B.
 —, Monti Lepini (Rome). *See* Viola, C.
 —, New Jersey. *See* Clark, W. B.
 —, N.W. New South Wales. *See* Pittman, E. F.
 —, Ophidia. *See* Sauvage, H. E.
 —, Palæontology, Pacific Coast. *See* Stanton, T. W.
 —, Period, Dévoluy (Hautes-Alpes). *See* Lory, P.
 —, Plants, Martha's Vineyard (Mass.). *See* Hollick, A.
 —, Pterodactyl, Bahia (Brazil). *See* Woodward, A. S.
 —, Pyrites. *See* Pâquier, V.
 —, Reptilia, Madagascar. *See* Dépéret, C.
 —, Rhône Valley. *See* Douvillé, H.
 —, Rocks, Bernese Alps. *See* Quereau, E. C.
 —, —, Heraclea (Asia Minor). *See* Douvillé, H.
 —, —, Yorkshire, &c. *See* Lamplugh, G. W.
 —, Specimens collected during Capt. Palliser's Exploration in British North America. *See* Whiteaves, J. F.
 —, Swiss Corals. *See* Koby, F.
 —, Typical Fossils. *See* Köken, E.
 —, Tyrol, Austria, &c. *See* Douvillé, H.
 —, (Upper), Belgium, Limburg (Holland), and Aix-la-Chapelle (Rhenish Prussia). *See* Rutot, A.
 —, Vancouver. *See* Whiteaves, J. F.
 Creusot (Saône-et-Loire) Borings. *See* Michel-Lévy, A.
 — (—) Coalfield. *See* Gruner, E.
 Creux de Soucy (Le) Cavern, Francheville (Côte-d'Or). *See* Mazauric, F.

- Crimean Schists. *See* Stremoonchov, D.
- Crinoidea. *See* Bather, F. A.; *see* Koken, E.; *see* Lydekker, R., &c.; *see* Miller, S. A., & W. F. E. Gurley; *see* Tate, R.
- , Devonian. *See* Beyer, E.
- , Illinois Fossil. *See* Worthen, A. H., &c.
- , Iowa Silurian. *See* Weller, S., & A. D. Davidson.
- , Silurian. *See* Collins, J. H.
- , Tertiary. *See* Capellini, G.
- , Triassic. *See* Crema, C.
- Cripple Creek District (Col.). *See* Cross, W., & R. A. F. Penrose, jun.
- , — Goldfields, Colorado. *See* Millar, C. C. H.
- Cristellaria*. *See* Jones, T. R.
- , Pliocene. *See* Fornasini, C.
- Croatian Triassic Fauna. *See* Kramberger, G.
- Crocodyle, San Valentino (Reggio) Cretaceous. *See* Simonelli, T.
- Crocodyles, Jurassic of Sansac (Charente). *See* Glangeaud, P.; *see* Welsch, J.
- , Monte Bolca (Verona). *See* Sacco, F.
- , Portuguese Mesozoic. *See* Sauvage, H. E.
- Crocodylus*. *See* Depéret, C.
- Crocoisite. *See* Liversidge, A.
- Crocota*. *See* Cope, E. D.
- Cromer (Norfolk). *See* Wardle, T.
- Cromite, Gundagai and Tumut (N.S.W.). *See* Carne, J. E.
- Crowley's Ridge (Ark. and Mo.). *See* Marbut, C. F.
- Crush-Conglomerates, Anglesey. *See* Geikie, Sir A.
- Crustacea. *See* Beecher, C. E.; *see* Bergeron, J.; *see* Clarke, J. M.; *see* Hicks, H.; *see* Jones, T. R.; *see* Kirkby, J. W.; *see* Koken, E.; *see* Lake, P.; *see* Lienenklaus, E.; *see* Lydekker, R., &c.; *see* Miller, S. A., & W. F. E. Gurley; *see* Möberg, J. C.; *see* Reed, F. R. C.; *see* Whidborne, G. F.; *see* Woodward, H.
- , Carpathian Tertiary. *See* Grzybowski, J.
- , Central Australian. *See* Tate, R.
- , Chilian Tertiary. *See* Steinmann, G., &c.
- , Cretaceous Decapod. *See* Woodward, H.
- , Devonian. *See* Kayser, E.; *see* Whidborne, G. F.
- , Eocene. *See* Bittner, A.; *see* Vinassa de Regny, P. E.
- , Oligocene. *See* Kissling, E., &c.
- , Ordovician. *See* Bergeron, J.; *see* Ehlert, D. P.
- , Palæozoic. *See* Palæozoic.
- , Rhenish Devonian. *See* Maurer, F.
- Crustacea, Silurian. *See* Hicks, H.; *see* Lake, P.
- , Vancouver (B.C.) Cretaceous. *See* Whiteaves, J. T.
- Cryphæus*. *See* Barrois, C.; *see* Maurer, F.
- Cryptoclidus*. *See* Andrews, C. W.
- Cryptonella*. *See* Barrois, C.
- 'Crystal,' Definition of. *See* Wulff, L.
- Crystal Faces. *See* Gaubert, P.
- Measuring. *See* Heberdey, P.
- Structure. *See* Flock, A.; *see* Linck, G.
- Crystalline Rocks, Alabama. *See* Smith, E. A., &c.
- , Atlantic Piedmont Plateau. *See* Williams, G. H.
- of Pelvoux Massif (Isère). *See* Ternier, L.
- , Erythræa (N.E. Africa). *See* Sabatini, V.
- , India and Australia. *See* Judd, J. W.
- , Malvern (Worcester). *See* Callaway, C.
- , Moravian. *See* Rosiwal, A.
- , Mont-Blanc (Haute-Savoie). *See* Duparc, L., & L. Mrazec; *see* Graeff, F.
- , Norwegian. *See* Kjerulf, T.
- , Salt Lake, &c. (Utah). *See* Neal, W. D.
- , Spanish. *See* Mallada, L.
- , Styrian. *See* Doelter, C.; *see* Ippen, J. A.
- , Yellowstone National Park. *See* Hague, A.
- Schists, Sutherland. *See* Horne, J., & E. Greenly.
- Crystallography. *See* Barlow, W.; *see* Bensaude, A.; *see* Brauns, R.; *see* Brugnatelli, L.; *see* Fedorov, E.; *see* Flock, A.; *see* Goldschmidt, V.; *see* Hess, C.; *see* Lang, V. von; *see* Laspeyres, H., & E. Kayser; *see* Moses, A. J.; *see* Nordenskjöld, O.; *see* Palache, C.; *see* Panebianco, R.; *see* Penfield, S. L.; *see* Schulze, E.; *see* Sohncke L.; *see* Somigliana, C.; *see* Traube, H.; *see* Verschaefelt, J.; *see* Viola, C.
- of Calcites. *See* Melczer, G.
- of Felspars. *See* Fedorov, E. von.
- , Physical. *See* Liebisch, T.
- Crystals. *See* Miers, H. A.
- , Faces of. *See* Karnoschitzky, A. N.
- , Homogeneous Structures and. *See* Barlow, W.
- in Basaltic Andesite, Derived. *See* Cole, G. A. J.
- , Measurements of. *See* Schwarzmänn, N.
- , Structure. *See* Barlow, W.; *see* Pelikan, A.
- , Symmetry of. *See* Viola, C.
- Ctenodonta*. *See* Whidborne, G. F.
- Cuba (Isle of). *See* Spencer, J. W.

- Cuba (Isle of) Eocene and Cretaceous. *See* Pellitero, V.
- (—) Hypogenic Rocks. *See* Adán de Yarza, R.; *see* Pellitero, V.
- Cucullæa*. *See* Bittner, A.; *see* Whidborne, G. F.
- Culford Boring (Warwick). *See* Brodie, P. B.
- Culm Measure Radiolarian Rocks. *See* Hinde, G. J., &c.
- Culoz (Ain), Caverns round. *See* Corcelle, J.
- Cumacea. *See* Woodward, H.
- Cumberland Coalfield. *See* Kendall, J. D.
- Tarns. *See* Marr, J. E.
- , Whitehaven Sandstone Series. *See* Holmes, T. V.
- Cunow (Brandenburg), *See* Beushausen, L.
- Cuprite. *See* Traube, H.
- Cusate Capes, Carolina Coast. *See* Abbe, C.
- Cuspidaria*. *See* Bittner, A.
- Cuyahoga River Valley (Ohio). *See* Upham, W.
- Cyanite. *See* Bauer, M.
- Cyathaspis*. *See* Lindström, G.
- Cyatheites*. *See* Lima, W. de.
- Cyathocrinus*. *See* Miller, S. A., &c.
- Cyathophyllum*. *See* Barrois, C.; *see* Sues, E., &c.
- Cycad, Isle of Portland. *See* Seward, A. C.
- Cycadoidea. *See* Capellini, G.; *see* Capellini, G., & Count E. zu Solms-Laubach; *see* Seward, A. C.
- Cycadinocarpus*. *See* Renault, B.
- Cycadoxylon*. *See* Renault, B.
- Cycloclypeus*. *See* Martin, K.
- Cyclocrinus*. *See* Stolley, E.
- Cyclonema*. *See* Barrois, C.
- Cyclora*. *See* Miller, A. M.
- Cyclospharoma*. *See* Woodward, H.
- Cyclus*, Carboniferous. *See* Woodward, H.
- Cygnus*. *See* Portis, A.
- Cylindrites*. *See* Cossmann, M.; *see* Fuchs, T.; *see* Hudeston, W. H.
- Cyprites*. *See* Ettingshausen, C. Freih. von.
- Cyphaspis*. *See* Beyer, E.; *see* Kayser, E.; *see* Reed, F. R. C.
- Cypriocardina*. *See* Barrois, C.; *see* Whidborne, G. F.
- Cypriocardium*. *See* Miller, S. A., &c.
- Cypridina*-schists, Hüttenrode &c. (Harz). *See* Koch, M.
- Cypriidopsis*. *See* Chapman, F.
- Cyprina*-sands, Monte Mario (Rome). *See* Meli, R.
- Cypris*. *See* Chapman, F.
- Cyrenidæ, Bear River Beds. *See* White, C. A.
- Cyrtia Murchisoniana* in Carboniferous Schists, Matagne (Namur). *See* Forir, H.
- Cyrtoceras*. *See* Maurer, F.; *see* Miller, S. A., &c.
- Cyrtocerina*. *See* Holm, G.
- Cyrtotella*. *See* Clarke, J. M.
- Cystoidea, Bohemian Cambrian. *See* Pompeckj, J. F.
- Cytherea*. *See* Oppenheim, P.; *see* Vinassa de Regny, P. E.
- Cytherella*. *See* Jones, T. R., &c.
- Czeitsch-Saitz Railway (Moravia). *See* Rzehak, A.
- Dachstein-limestones, Salzburg. *See* Bittner, A.; *see* Mojsisovics von Mojsvár, E. von.
- Dacite. *See* Rosenbusch, H.
- Tuff. *See* Raimann, E., & F. Berwerth.
- Dacites, Ecuador. *See* Reiss, W., &c.
- Dactylethrata*. *See* Gregory, J. W.
- Dactyloporida. *See* Stolley, E.
- Dadocrinus*. *See* Koenen, A. von.
- Dadoxylon*. *See* Zeiller, R.
- Daghestan (Asiatic Russia). *See* Raddle, G., & E. Koenig.
- Dahra (Algeria) Pliocene. *See* Brive, A.; *see* Welsch, J.
- Dakota Coal. *See* Parker, E. W.
- Formation Molluscan Fauna. *See* White, C. A.
- , Geological Surveys. *See* Klittke, M.
- , Igneous Intrusions, &c. *See* Russell, I. C.
- , Log-like Concretions and Fossils. *See* Todd, J. E.
- , Miocene Perissodactyls. *See* Osborn, H. F., & J. L. Wortman.
- , Water-Supply. *See* Newell, F. H.
- Dalarne (Sweden) Cambrian. *See* Hedström, H.
- (South) Gedrite-slate. *See* Weibull, M.
- Dalmanites*. *See* Clarke, J. M.
- Fauna. *See* Kayser, E.
- sandstone. *See* Kayser, E.
- Dalmatia. *See* Bukowski, G. von.
- Damburite*. *See* Fantappie, L.
- Dams, Lake. *See* Belloc, E.
- Dana, James Dwight. *See* Beecher, C. E.; *see* Le Conte, J.
- Daonella*. *See* Bittner, A.
- Dapedius*. *See* Bassani, F.; *see* Woodward, A. S.
- Darapskite. *See* Schulten, A. de.
- Darley Dale (Derbys.). *See* Parsons, C. E.
- Dartmoor (Devon) Corundum produced by Contact-metamorphism. *See* Busz, K.
- (—) Eruptive Rocks. *See* Busz, K.
- (—) Radiolarian Rocks. *See* Hinde, G. J., & H. Fox.
- Dauburite. *See* Fantappie, L.
- Dauphiné. *See* Kilian, W.; *see* Lory, P.
- Davis Co. (Utah) Crystalline Rocks. *See* Neal, W. D.

- De Kaap (Transvaal) Gold Deposits. *See* Czyszkowski, S.; *see* Launay, L. de.
- *See* Auriferous Deposits; *see* Transvaal.
- Debeya. *See* Ettingshausen, C. Freih. von.
- Decapod Crustacea, Cretaceous. *See* Woodward, H.
- Decize (Nièvre) Coal-field. *See* Launay, L. de.
- Decomposition, Rock. *See* Branner, J. C.; *see* Burgeat, —; *see* Chaignon, H. de; *see* Derby, O. A.; *see* Eckert, M.
- *See* Caverns.
- Deep Alluvial Leads, Corowa (N.S.W.). *See* Bray, A. H.
- Deep-Sea Deposits. *See* Hamilton, A.; *see* MacKay, A. H.; *see* Marr, J. E.; *see* Murray, J.
- Deer, Algerian Fossil. *See* Pomel, A.
- Deformation of Rocks. *See* Van Hise, C. R.
- Delaval Colliery, Benwell (Northumb.) Alumite, &c. *See* Murton, C. J., & S. Shaw.
- Delaware (U.S.A.) Building Stones. *See* Day, W. C.
- (—) Geological Surveys. *See* Klittke, M.
- Dells, Origin of Wisconsin. *See* Van Hise, C. R.
- Delphinula. *See* Hudleston, W. H.
- Delphinus. *See* Prato, A. del.
- Deltas, Finland Rivers. *See* Rosberg, J. E.
- Demerara, British Guiana. *See* Neves e Mello, A. A. das.
- Denbighshire Coast. *See* De Rance, C. E.
- Grits, Conway (Caernarvon). *See* Elles, G. L., & E. M. R. Wood.
- Dendrorepeton. *See* Dawson, Sir J. W.
- Dendrograptus. *See* Wiman, C.
- Dendroidea. *See* Wiman, C.
- Denmark, Dislocation and Disintegration of Chalk. *See* Howorth, Sir H.
- , Eocene. *See* Dewalque, G.
- , Geological Survey. *See* Dollfus, G.
- Dentalina. *See* Jones, T. R.
- Dentalium. *See* Vinassa de Regny, P. E.
- Denudation. *See* Hilgard, E. W.; *see* Lapparent, A. de; *see* Pretto, O. de.
- and Geological Time. *See* Hill, H.
- , Brazilian Rock. *See* Branner, J. C.; *see* Derby, O.
- , Plains of Marine and Subaerial. *See* Davis, W. M.
- , Portugal. *See* Choffat, P.
- Deposition of Clays in water. *See* Thoulet, J.
- Derby, Mammalian Remains found near. *See* Arnold-Bemrose, H. H., & R. M. Deeley.
- Derbyshire Boulder Drift. *See* Anon., 17.
- Derbyshire Caverns. *See* Martel, E. A.
- Coalfield. *See* Anon., 19; *see* Hull, E.
- Gypsum Deposits. *See* Metcalfe, A. T.
- Lead Ore. *See* Parsons, C. E.
- Derri, Drenthe (Holland) Peat. *See* Bemmelen, J. M. van.
- Deutschenbora (Saxony) Syenite. *See* Henderson, J. M. C.
- Deux-Sèvres (France) Jurassic. *See* Fournier, A.
- Dévoluy (Hautes-Alpes) Nummulitic Beds. *See* Lory, P.
- Devon, Basaltic Columns in West. *See* Clark, T.
- Erratics. *See* Harker, A.
- (North). *See* Herries, R. S.
- (—). Palaeozoic Rocks & Fossils. *See* Hicks, H.; *see* Whidborne, G. F.
- Schists. *See* Hunt, A. R.
- Devonian, Argentina. *See* Bodenbender, W.
- , Belgian. *See* Forir, H.
- , Brünn (Moravia). *See* Tausch, L. von.
- , Central New York along the Unadilla River. *See* Prosser, C. S.
- Corals, Carnic Alps. *See* Frech, F.
- , Cotentin (Normandy). *See* Bigot, A.
- Crustacea. *See* Whidborne, G. F.
- Fauna, Central Asia. *See* Suess, E., &c.
- , Erbray (Loire-Inférieure). *See* Barrois, C.
- , Haina (Wetzlar). *See* Beyer, E.
- , Kleinlinden (Hesse). *See* Kayser, E.
- , near Giessen (Hesse). *See* Kayser, E.
- , Rhenish. *See* Maurer, F.
- Fish. *See* Whidborne, G. F.
- Fishes, Ohio. *See* Claypole, E. W.
- , Russian. *See* Rogon, J. V.
- Gasteropoda. *See* Whidborne, G. F.
- Giessen (Hesse-Darmstadt). *See* Kayser, E.
- Harz. *See* Koch, M.
- , Hüttenrode, &c. (Harz). *See* Koch, M.
- , Kellerwald (Nassau). *See* Denckmann, A.
- Lamellibranchiata. *See* Whidborne, G. F.
- , Missouri. *See* Broadhead, G. C.; *see* Weller, S.
- , Myriopoda. *See* Whidborne, G. F.
- , Paffrath (Rhenish Prussia) Middle. *See* Winterfeld, F.
- Plants, Rhenish Prussia. *See* Solms-Laubach, Count H. zu.
- , Scotch. *See* Penhallow, D.
- Reptilia. *See* Marsh, O. C.

- Devonian Rocks, Tomsk (Siberia). *See* Peetz, H. de; *see* Vénukov, P.
- Sharks. *See* Clappole, E. W.
- Spirifers. *See* Béclard, F.
- , Typical Fossils. *See* Koken, E.
- , Vesdre Valley (Liège). *See* Forir, H.
- Diabase. *See* Bascom, F.; *see* Rosenbusch, H.
- , Caucasian. *See* Dingelstedt, V.
- , Goslar (Harz). *See* Rinne, F.
- , Harz. *See* Koch, M.
- , Medford (Mass.). *See* Merrill, G. P.
- , Norwegian. *See* Kjerulf, T.
- , Spanish. *See* Mallada, L.
- , Tuscany, &c. *See* Franchi, S.
- Diabase-Granite, Brefven (Småland). *See* Wing, K.
- Diadectidæ. *See* Cope, E. D.
- Diallage (N.S.W.). *See* Jaquet, J. B.
- Diamond. *See* Card, G. W.; *see* Crookes, W.; *see* Moissan, H.
- Phosphorescence. *See* Kunz, G. F.
- Diamonds. *See* Bauer, M.; *see* Kunz, G. F.
- , Artificial. *See* Rossel, —.
- , Brazil. *See* Moissan, H.
- , Wisconsin. *See* Hobbs, W. H.
- Diaphorapteryx*. *See* Andrews, C. W.; *see* Milne-Edwards, A.
- Diastopora*. *See* Gregory, J. W.
- Diatomacææ, *Ancylus*-Clay. *See* Munth, H.
- , Glacial Deposits of Re, Val Vegezzo (Piedmont). *See* Corti, B.
- , Suesonian. *See* Cayeux, L.
- Diatomaceous Earth, New South Wales. *See* David, T. W. E.
- , United States. *See* Parker, E. W.
- Dibranchiata. *See* Koken, E.
- Dicelloccephalus*. *See* Bergeron, J.
- Dichograptus*. *See* Wiman, C.
- Dicksbergite. *See* Weibull, M., &c.
- Dicranophyllum*. *See* Renault, B.
- Dicroceras*. *See* Studer, T.
- Dictyocephalites*. *See* Bergeron, J.
- Dictyonema*. *See* Wiman, C.
- Didymites*. *See* Mojsisovics von Mojsvár, E. von.
- Didymograptus*. *See* Holm, G.
- Die (Drôme). *See* Kilian, W.; *see* Lory, P.
- Diego Suarez (Madagascar). *See* Bourgeois, R.
- Diemenia*. *See* Ettingshausen, C. Freih. von.
- Digby Neck (N. S.). *See* Bailey, L. W.
- Digne (Basses-Alpes). *See* Haug, E.; *see* Kilian, W.
- Dillenburg (Wiesbaden). *See* Kayser, E.
- Diluvial Mammalia, Mosbach (Nassau). *See* Römer, A.
- Pebble Fauna, Holland. *See* Krause, G.
- Diluvial Shingle, Königsberg (E. Prussia). *See* Korn, J.
- Diluvium, Northern Europe. *See* Jentzsch, A.
- Pebbles. *See* Jentzsch, A.
- Saiga-Antilope, West Prussian. *See* Nehring, A.
- Dimorphina*. *See* Jones, T. R.
- Dimyodon*. *See* Bittner, A.
- Dinant (Namur). *See* Dewalque, G.
- Dinarian. Mojsisovics von Mojsvár, E. von, &c.
- Dinas Head (Cornwall) Soda-Felspar Rock. *See* Fox, H.
- Dineuron*. *See* Renault, B.
- Dinichthys*. *See* Clappole, E. W.; *see* Eastman, C. R.
- Dinictis*. *See* Adams, G. I.
- Dinoceratidæ, Horns. *See* Gaudry, A.
- Dinornis*. *See* Andrews, C. W.; *see* Hutton, F. W.; *see* Milne-Edwards, A.; *see* Stirling, E. C.
- Dinosaurs. *See* Brodie, P. B.; *see* Lucas, F. A.; *see* Marsh, O. C.
- , Madagascar Cretaceous. *See* Depéret, C.
- , Portuguese Mesozoic. *See* Sauvage, H. E.
- , South American. *See* Ameghino, F.
- Diopside. *See* Bauer, M.
- Dioptase. *See* Bauer, M.; *see* Traube, H.
- Diorite. *See* Rosenbusch, H.
- Dykes, Bedford (N.Y.). *See* Luqueur, L. McL.
- , Isle of Cuba. *See* Adán de Yarza, R.; *see* Pellitero, V.
- , Norwegian. *See* Kjerulf, T.
- , Ontario. *See* Miller, W. G., & R. W. Brock.
- Diospyros*. *See* Ettingshausen, C. Freih. von.
- Diplacanthus*. *See* Traquair, R. H.
- Diplocaulus*. *See* Cope, E. D.
- Diplograptus*. *See* Wiman, C.
- Diplolabis*. *See* Renault, B.
- Diplomystus*. *See* Ogilby, J. D.
- Diplopteris*. *See* Traquair, R. H.
- Dipnoi. *See* Dollo, L.
- Dipterus*. *See* Dollo, L.; *see* Traquair, R. H.
- Dipyre. *See* Salomon, G.
- Discohelix*. *See* Oppenheim, P.
- Discorbina*. *See* Jones, T. R.
- Dissorhophus*. *See* Cope, E. D.
- Disthene. *See* Traube, H.
- Distribution of Animals and Separation. *See* Ortmann, A. E.
- District of Columbia (U.S.A.) Geological Surveys. *See* Klittke, M.
- Dittmarites*. *See* Mojsisovics von Mojsvár, E. von.
- Dobrest-Szombatság, Bihar (Transylvania). *See* Szontagh, T. von.
- Dodo. *See* Andrews, C. W.
- Dolatocrinus*. *See* Miller, S. A., &c.

- Dolerite, Stirling (Scotland). *See* Monckton, H. W.
- Dolerophyllum*. *See* Renault, B.
- Dolgelly (Merioneth). *See* Lake, P., & S. H. Reynolds.
- Dolomites. *See* Davies, J. S.
- , Thunder Bay (Lake Superior). *See* Ingall, E. D.
- Domes, French Alps. *See* Fournier, E.; *see* Haug, E.; *see* Lory, P.; *see* Kilian, W.
- Donetz (Russia) Coalfield. *See* Lebedew, N.; *see* Loutouguine, L.; *see* Tschernyschew, T.
- Dora Riparia Valley (Piedmont). *See* Olivero, E.
- Dorcas*, Algerian Fossil. *See* Pomel, A.
- Dordogne Caverns. *See* Rivière, E.
- Tertiaries. *See* Glangeaud, P.
- Doris*. *See* Fuchs, T.
- Dorking (Surrey). *See* Leighton, T.
- Dormouse, Maltese Extinct. *See* Lydekker, R.
- Dorset, Albian. *See* Newton, R. B.
- , Cenomanian. *See* Jukes-Browne, A. J., & W. Hill.
- , Eocene Deposits. *See* Reid, C.
- Dorsetensia*. *See* Brasil, L.
- Dorycordaites*. *See* Renault, B.
- Dorycrinus*. *See* Miller, A. S., & c.
- Dottswood (Queensland) Copper. *See* Card, G. W.
- Douboca Cave (Servia). *See* Cvijic, J.
- Dover Coalfield. *See* Brady, F., & c.
- — —. *See* McDakin, —.
- Drainage, Lake District. *See* Marr, J. E.
- Modifications. *See* Campbell, M. R.
- Drave and Kainach Valley District (Styria). *See* Doelter, C.
- Dreissensia*. *See* Dewalque, G.; *see* Stefanescu, S.
- Dremotherium*. *See* Studer, T.
- Dresden (Saxony) Sand. *See* Nessig, R.
- Drift Deposits, Coventry (Warwick). *See* Maidwell, F. T.
- , Glacial. *See* Crosby, W. O.
- Fossils, More-eat (Aberdeen). *See* Sharman, G., & E. T. Newton.
- , Iowa. *See* Wilson, A. G.
- , Littoral. *See* Wheeler, W. H.
- , Mid-Wales Coast. *See* Reade, T. M.
- , Ohio. *See* Claypole, E. W.
- , Staffordshire and Derbyshire. *See* Anon., 19.
- Drôme (France) Cretaceous. *See* Pâquier, V.
- Dromicia*. *See* Broom, R.
- Drumlins. *See* Upham, W.
- , Livonia. *See* Doss, B.
- , Riga (Livonia). *See* Doss, B.
- Dryophyllum*. *See* Ettingshausen, C. Freih. von.
- Ducktown (Tenn.) Copper. *See* Henrich, C.
- Dukla Pass (Galicia) Tertiary Microfauna. *See* Grzybowski, J.
- Dumortiera*. *See* Brasil, L.
- Dunderland Valley Iron Ore (Norlands Amt, N. Norway). *See* Vogt, J. H. L.
- Dundry Hill (Somerset). *See* Buckman, S. S., & E. Wilson.
- Dunes, Coast of Beira (Portugal). *See* Mesquita, E. de M.
- , Coast of Gascony. *See* Durègne, —.
- , East Finland. *See* Theslev, A.; *see* Rosberg, J. E.
- , Sand. *See* Cornish, V.
- , Takla-Makan Desert (Turkistan). *See* Hedin, S.
- Dungannon (Out.), Nepheline-Syenite and Minerals. *See* Adams, F. D., & c.
- Dunmurry Hill (Kildare). *See* Reynolds, S. H., & C. I. Gardiner.
- Durance Valley (Provence). *See* David-Martin, —.
- — — (—) Old Alluvium Rocks. *See* Duparc, L., & W. Kilian.
- Durango (Mexico) Tin. *See* Ingalls, W. R.
- (Vizcaya, Spain) Tinstone. *See* Collins, J. H.
- Durham Coalfield. *See* Anon., 21; *see* Gilchrist, J. R.
- Dusino (Piedmont) Rhinoceros Remains. *See* Sacco, F.
- Dust. *See* John, C. von.
- Dutch Diluvial Pebble Fauna. *See* Krause, G.
- Geological Maps. *See* Schroeder van der Kolk, J. L. C.
- Peat Deposits. *See* Bemmelen, J. M. van.
- Pliocene. *See* Harmer, F. W.
- Dwyka Conglomerate. *See* Draper, D.; *see* Exton, H.; *see* Africa (South).
- Dykes, Chester Co. (Pa.) Trap. *See* Rand, T. D.
- , Hanchurch Hills Trap (Staffs). *See* Anon., 17.
- , Massachusetts (U.S.A.). *See* Shaler, N. S.
- , Oligocene Sandstone, Alaty, Simbirsk (Russia). *See* Pavlov, A. P.
- , Ontario. *See* Miller, W. G., & c.
- Dyscrasite derivatives. *See* Pittman, E. F.
- Earth, Displacement of Poles. *See* Péroche, J.
- Foldings. *See* Reade, T. M.; *see* Folds.
- , Internal Heat. *See* Dunker, E.
- Movements, Zillertal (Tyrol). *See* Blaas, J.
- Physics. *See* Supan, A.
- Physiography. *See* Hann, J., & c.
- Pillars, Schwarzwald (Baden). *See* Calker, F. J. P. van.

- Earth Straining and Cooling. See Davison, C.
 — Subsidences. See Förtsch, —.
 — Temperature, Increase in Deep Shafts. See Brough, B. H.
- Earthquakes. See Tardy, C.; see Baratta, M.; see Cornish, V.; see Davison, C.; see Engel, —; see Milne, J.; see Montessus de Ballore, F. de; see Toula, F.; see Turnbull, T.
 —, California. See Perrine, C.
 —, Comrie (Perths). See Davison, C.
 —, Exmoor (Devon). See Davison, C.
 —, Florence (Tuscany). See Giovannozzi, G., &c.
 —, Greece. See Dambergis, A. K.; see Papavasilion, S. A.
 —, Iceland. See Stefansson, J.
 —, Investigations. See Keilhack, W.
 —, Island of Zante. See Rudolph, E.
 —, Japan. See Milne, J.
 —, Laibach (Carniola). See Hoernes, R.; see Suess, F. E.
 —, Lokris (Greece). See Papavasilion, S. A.
 —, Lombardy, &c. See Baratta, M.
 —, Norway. See Reusch, H.
 —, Philippine Islands. See Saderra Masó, P. M.
 —, Roumania. See Draghicénu, M. M.
 —, Russia. See Mouschetov, I.
 —, South Australia. See Hogben, G.
 —, Sweden. See Svedmark, E.
 —, Tanna (New Hebrides). See Gray, W.
- Earth's Crust. See Judd, J. W.; see Ransome, F. L.
 — Movements. See Milne, J.
 —. See Upheaval.
 —, Water in. See Greenlee, W. B.
 — Figure. See Cooke, M. W.
 — Interior. See Sloudsky, T.; see Woodward, R. S.
 — Heat. See Dunker, E.
 — Motion. See Blanckenhorn, M.
 — Rotation. See Drayson, A. W.
 — Surface Changes during 100 years in Zürich Canton. See Brückner, E.
- East-Anglian Chalk, Destruction of. See Howorth, Sir H. H.
 — 'Pebble Gravel.' See Salter, A. E.
 — Tertiaries, &c. See Dollfus, G.; see Harner, F. W.; see Hill, E.
- Eastbourne (Sussex) Cenomanian. See Jukes-Browne, A. J., & W. Hill.
- East-Leake (Notts) Rhætic. See Browne, M.
- Eburna. See Gregorio, Marquis A. de.
- Echidna. See Broom, R.
- Echina. See Ogilby, J. D.
- Echinanthus. See Loriol, P. de.
- Echinobrissus. See Bizet, T.
- Echinocaris. See Whidborne, G. F.
- Echinoidea, See Koken, E.; see Lydekker, R., &c.; see Miller, S. A., &c.; see Törnquist, A.
- Echinoidea, Bathonian. See Michalet, —.
 —, Callovian. See Bizet, T.
 —, Caucasian Cretaceous. See Inostranzew, A., &c.
 —, Chilian Tertiary. See Steinmann, G., &c.
 —, Cirin (Ain) Virgolian. See Loriol, P. de.
 —, Cincinnati Group. See James, J. F.
 —, Eocene. See Oppenheim, P.
 —, Kimeridgian. See Loriol, P. de.
 —, Liassic. See Gregory, J. W.
 —, Madagascar Cretaceous. See Lambert, J.
 —, North German Cretaceous. See Schlüter, C.
 —, Oxford Clay. See Gregory, J. W.
 —, Palæozoic. See Jackson, R. T., & T. A. Jaggard, Jun.
 —, Parma Museum (Emilia) Neogene. See Vinassa de Regny, P. E.
 —, Sardinian Miocene. See Cotteau, G.
 —, Spanish Cretaceous. See Nicklès, R.
 —, Tertiary. See Gregorio, Marquis A. de; see Philippi, E.
 —, Portuguese. See Loriol, P. de.
 —, Triassic. See Crema, C.
 —, Upper Cretaceous. See Arnaud, H.
- Echinolampas. See Loriol, P. de.
- Eclogite, Norwegian. See Kjerulf, T.
 —, Spanish. See Malada, L.
- Ectocentrites. See Pompeckj, J. F.
- Ecuador (S. America) Tertiary Plants. See Engelhardt, H.
 — (—) Volcanic Rocks. See Reiss, W., &c.
- Edentata. See Woodward, H.
 —, South American Extinct. See Ameghino, F.
- Edinburgh. See Cadell, H. M.
 — Geologists, Old. See Richardson, R.
- Edingtonite. See Nordenskjöld, O.
- Edmondia. See Miller, S. A., &c.; see Whidborne, G. F.
- Education & Geology. See Shaler, N. S.
- Eggen Valley near Botzen (Tyrol). See Blaas, J.
- Egypt. See Hull, E.; see Lake, P.
 —, Nubian Sandstone. See Floyer, E.
- Eichsfeld (Prussia). See Pröscholdt, H.
- Eifel Basalt Enclosures. See Foley, Mary C.
- Eildon Hills (Roxburgh) Riebeckite Rock. See Barron, T.
- Ekaterinoslav (Russia). See Loutouguine, L.
- El Paso (Texas) Cretaceous. See Stanton, T. W., & T. W. Vaughan.
- Elabouga (Viatka). See Krotov, P.
- Elæodendron. See Eittinghausen, C. Freih. von.

- Ekaolite Syenite, Serra de Monchique (Algarve, S. Portugal). *See* Kraatz-Koschla, K. von, &c.
 Elba, Porphyritic Rocks. *See* Matteucci, R. V.
 Elbe River. *See* Beyschlag, F.
 Elbingerode (Harz). *See* Koch, M.
 Elephants, *See* Newton, E. T., & R. S. Herries.
 —, Algerian Quaternary. *See* Pomel, A.
 —, Italian. *See* Meli, R.
 —, Prov. of Rome Quaternary. *See* Meli, R.
 —, Silesian. *See* Volz, W., & R. Leonhard.
 Elgin. *See* Hinxman, L. W., & J. J. H. Teall.
Elginia. *See* Traquair, R. H.
 Elginiidae. *See* Cope, E. D.
 Elvas (Alemtejo), Olenidae Zone near. *See* Delgado, J. F. N.
Elymella. *See* Miller, S. A., &c.
Emarginula. *See* Hudleston, W. H.
 Embryos of *Plesiosaurus*. *See* Seeley, H. G.
 Emerald. *See* Kunz, G. F.
 Emery, Naxos (Greece). *See* Beynon, R.
 —, United States. *See* Parker, E. W.
 Emilia (Italy). *See* Trabucco, G.
Emmericia. *See* Stefanescu, S.
 Emsch Synclinal, Ruhr Coalfield (Westphalia). *See* Schulz-Briesen, M.
 Enclosures of Glass in Basalt, Eifel. *See* Foley, Mary C.
Encrinurus, Giudicarian Triassic. *See* Arthaber, G. von.
Endoceras. *See* Holm, G.; *see* Tate, R.
Endophyllum. *See* Suess, E., &c.
 Engadine (Grisons). *See* Lubbock, Sir J.
 Englacal Drift. *See* Crosby, W. O.
 England, Coast-changes. *See* De Rance, C. E.; *see* Spiller, J.; *see* Whitaker, W.
 — (Eastern), Upper Tertiaries. *See* Dollfus, G.
 — (—), Dislocation and Disintegration of Chalk. *See* Howorth, Sir H. H.
 — (—), Middle Sands and Glacial Gravels. *See* Howorth, Sir H. H.
 —, Erratic Blocks. *See* Kendall, P. F.
 —, Geological Survey. *See* Geikie, Sir A.
 —, Geology of Rivers in. *See* Dickinson, J.
 —, Lakeland. *See* Marr, J. E.
 —, Mines. *See* Atkinson, J. B., &c.
 —, Mining Industry. *See* Foster, C. Le N.
 —, Pliocene. *See* Harmer, F. W.
 England (Northern). *See* Davies, W. M.
 — (South-eastern). *See* Geikie, Sir A., &c.; *see* Strahan, A.
 — (South-western). *See* Geikie, Sir A., &c.
 — (—), Cenomanian. *See* Jukes-Browne, A. J., & W. Hill.
 English Channel, Trawled Rocks. *See* Harker, A.
 — Lakes. *See* Anon., 28; *see* Marr, J. E.
 Enniskillen (Fermanagh) Caves. *See* Jameson, H. L.; *see* Martel, E. A.
 Entomostraca. *See* Woodward, H.
 —, Bear River Beds. *See* White, C. A.
 —, Carpathian Tertiary. *See* Grzybowski, J.
 —, Devonian. *See* Whidborne, G. F.
 —, Irish Carboniferous. *See* Jones, T. R., & J. W. Kirkby.
 —. *See* Ostracoda.
 Eocene, Apennine. *See* Sacco, F.
 —, Basses-Alpes. *See* Zürcher, P.
 — Brachyura. *See* Bittner, A.
 —, Cassel (France), Belgium & Paris Basin. *See* Gosselet, J.
 — Climate, North European and Arctic. *See* Müller, W.
 —, Constantine (Algeria). *See* Ficheur, E.
 — Correlation, United States. *See* Clark, W. B.
 —, Denmark. *See* Dewalque, G.
 — Deposits, Dorset. *See* Reid, C.
 — Fauna, Mont Berru, near Comay (Marne). *See* Lemoine, V.
 —, Central Asia. *See* Suess, E., &c.
 —, Monte Postale, &c. (Vicentino). *See* Oppenheim, P.; *see* Vinassa de Regny, P. E.
 —, Zovencodo (Ticino). *See* Vinassa de Regny, P. E.
 — Fishes. *See* Woodward, A. S.
 —, Paraná (Argentina). *See* De-Alessandri, G.
 —, Florence (Tuscany). *See* Trabucco, G.
 —, Isle of Cuba. *See* Pellitero, V.
 — Mammalia. *See* Boule, M.; *see* Grevé, C.; *see* Scott, W. B.
 —, French. *See* Lemoine, V.
 —, South American. *See* Ameghino, F.
 — Mollusca, Monte Postale (Vicentino). *See* Oppenheim, P.; *see* Vinassa de Regny, P. E.
 —, Montana, &c. *See* Weed, W. H.
 —, Paris Basin, Cassel, and Belgium. *See* Gosselet, J.
 — Plants. *See* Günbel, W. von.
 —, Greifenstein (Austria). *See* Fuchs, T.
 —, Potomac River. *See* Clark, W. B.
 —, Rhône Valley. *See* Depéret, C.
 — Rodent, Utah. *See* Scott, W. B.

- Eocene, Southern Australian. *See* Pritchard, G. B.
- Eogene, Montpellier (Hérault). *See* Roman, F.
- Eolis*. *See* Fuchs, T.
- Eophrygnus*, Carboniferous. *See* Howard, F. T.
- Eozöon canadense*. *See* Dawson, Sir J. W.
- Eozoöonal Structure of Monte Somma Ejected Blocks. *See* Johnston-Lavis, H. J., & J. W. Gregory.
- Epeiridæ. *See* Becker, L.
- Epiaster*. *See* Schlüter, C.
- Epidote*. *See* Bauer, M.; *see* Forbes, E. H.; *see* Weinschenk, E.
- Epping Forest (Essex). *See* Holmes, T. V.
- Equatorial Africa. *See* Gregory, J. W.; *see* Stromer von Reichenbach, E. Freih.
- Equisetina. *See* Renault, B.
- Equisetites*. *See* Zeiller, R.
- Equus*. *See* Cope, E. D.
- , Interglacial. *See* Dames, W.
- Erbray Limestone Fauna (Loire Inférieure). *See* Barrois, C.
- Eresidæ. *See* Becker, L.
- Eriodes protopithecus*. *See* Winge, H.
- Erosion, Cairo (Egypt). *See* Floyer, E.
- , Cheshire Coast. *See* Morton, G. H.
- , Coast. *See* De Rance, C. E.; *see* Spiller, J.; *see* Whitaker, W.
- in Central Asia, Wind. *See* Obrutschew, W.
- , Portugal. *See* Choffat, P.
- Erosive Action of Ice. *See* Culver, G. E.
- Erpetocypris*. *See* Chapman, F.
- Erratic Blocks, Cimina (Prov. Rome). *See* Fantappiè, L.
- , England, Wales, & Ireland. *See* Kendall, P. F.
- , Devonshire. *See* Harker, A.
- , Chalk Block from South-eastern Skåne (S. Sweden). *See* Grönwal, K. A.
- , Gneiss Block, Kisslegg (Württ.). *See* Dittus, —.
- , Rocks, Waschberg (Lower Austria). *See* König, A.
- Eruptions of Vesuvius. *See* Sabatini, V.
- Eruptive Magmas. *See* Michel-Lévy, A.
- , Rock, Canandaigua Lake (N.Y.). *See* Emerson, B. K.
- , Antarctic. *See* Borchgrevink, C. E.
- , Baltic Post-Archæan. *See* Andersson, J. G.
- , Belledonne Mts. (Isère). *See* Duparc, L.
- , Berthong, Bland Co. (N.S.W.). *See* Jaquet, J. B.
- , Black Hills (Dakota). *See* Russell, I. C.
- , Brent Tor (Devon). *See* Rutley, F.
- , Carnolia. *See* Graber, H. V.
- Eruptive Rock, Caucasus (Russia). *See* Inostranzev, A., &c.
- , Chaillol (Hautes-Alpes). *See* Termier, P., & P. Lory.
- , Chile. *See* Möricke, W.
- , Christiania District (Norway) & Predazzo (Tyrol). *See* Brögger, W. C.
- , Dartmoor (Devon). *See* Busz, K.
- , French. *See* Michel-Lévy, A.
- , Alps. *See* Kilian, W., & P. Termier.
- , Lake Superior Region. *See* Bayley, W. S.
- , Laval Basin (Mayenne). *See* Ehler, D. P.; *see* Michel-Lévy, A.
- , Maryland &c. *See* Keyes, C. R.; *see* Williams, G. H.
- , Mexico. *See* Ordoñez, E.
- , Moluccas. *See* Schroeder van den Kolk, J. L. C.
- , Montana. *See* Merrill, G. P.
- , New York State. *See* Ries, H.
- , near St. John (N.B.). *See* Matthew, G. F.
- , Pyrenees. *See* Carez, L.
- , Småland (Sweden). *See* Nordenskjöld, O.
- , Trebbia Valley (S. Lombardy). *See* Traverso, S.
- , United States. *See* Bascom, Florence.
- , Viterbo (Prov. Rome) *See* Meli, R.
- , *See* Igneous Rocks.
- Erycites*. *See* Brasil, L.
- Eryon*. *See* Woodward, H.
- Eryonidæ. *See* Woodward, H.
- Erythræa (N.E. Africa), Crystalline Rocks. *See* Sabatini, V.
- Erythrite. *See* Ferrier, W. F.
- Erzgebirge (Bohemia) Ore Deposits. *See* Dalmer, K.
- Es-Taliens Breccia Mollusca (Hautes-Pyrénées). *See* Harlé, É.
- Esk River, Richmond Co. (N.S.W.). *See* Carne, J. E.
- Eskers. *See* Post, H. von.
- Essex. *See* Whitaker, W.
- , Gravels. *See* Howorth, Sir H. H.; *see* Salter, A. E.
- , Southern. *See* Holmes, T. V.
- , Co. (New York). *See* Kemp, J. F.
- Esterel-Maures Mts. (Provence) Archæa Rocks. *See* Vasseur, G., & E. Fournier.
- Estuaries. *See* Wheeler, W. H.
- Estuarine Deposits, South Russia. *See* Sokolov, N.
- Etched Figures of Minerals. *See* Traube, H.
- Etheridgea*. *See* Eittingshausen, C. Freih. von.
- Etoblattina*. *See* Scudder, S. H.; *see* Woodward, H.
- Étoile Chain (Bouches-du-Rhône). *See* Fournier, E.

- Eucalyptocrinus*. See Miller, A. S., & c.
Eucalyptus. See Ettingshausen, C. Freih. von.
 Eucelase. See Bauer, M.
 Euechinoidæ. See Jackson, R. T.
 Euganean Hills (Venetia) Igneous Rocks. See Dal Piaz, G.
Eugnathus. See Bassani, F.
Eunema. See Tate, R.
Eunicites. See Hinde, G. J.
Euomphalus. See Etheridge, R., Jun.; see Whidborne, G. F.
Euphemus. See Whidborne, G. F.
 Eurite, Monte Catogne (Valais). See Graeff, F.
 — (N.S.W.). See Jaquet, J. B.
 Europe. See Beyrich, E., & c.
 —, Arctic. See Feilden, H. W., & c.
 —, Diluvium of Northern. See Jentzsch, A.
 —, Glacial Periods. See Taber, C. A. M.
 —, *Hippurites*-beds. See Douvillé, H.
 —, Lake-dwellings. See Hutchinson, H. N.; see Munro, R.
 — (Northern). Terminal Moraine. See Berendt, G.
 — (Western). Extension of Upper Tertiary Seas. See Dollfus, G. T.
 European Eocene Climate. See Müller, W.
 — Iron Ores. See Birkinbine, J.
Euryapteryx. See Hutton, F. W.
Eurypterus. See Miller, A. S., & c.
Evelissa. See Vogel, F.
 Exmoor (Devon) Earthquake. See Davison, C.
 Extinction of Species. See Morris, C.
 Eychauda Mt. (Hautes-Alpes). See Termier, L.
 'Eye-gneiss.' See Schiötz, O. E.
- Fæmund, Lake (Norway), District north of. See Reusch, H.
Fagus. See Ettingshausen, C. Freih. von.
 'Fahlerz.' See Liversidge, A.
 'Fairy Stones.' See Duns, —; see Holroyd, W. F., & J. Barnes.
 Falkland Isles. See Arcowski, H.; see Routledge, R. M.
 Falun, South-western France. See De Grange-Touzin, A.
 Farnesina (Rome) Bryozoa. See Neviani, A.
 Farøe Islands. See Grossmann, K., & c.
 —, Basalt. See Geikie, Sir A.
 Fascigeridæ. See Gregory, J. W.
 Faults. See Reade, T. M.
 —, Origin of. See Van Hise, C. R.
 —, Pennsylvania Anthracite-Beds. See Lyman, B. S.
Favosites. See Barrois, C.; see Kayser, E.; see Maurer, F.; see Suess, E., & c.
Favularia. See Renault, B.
 Fayalite. See Penfield, S. L., & E. H. Forbes; see Thaddeff, C.
- Featherstone (Yorks). See Darnford, H. St. J.
 Felidæ. See Grevé, C.
 —, North American Extinct. See Adams, G. I.
Felis. See Fabrini, E.; see Winge, H.
 Felspar in Leucite, Origin of. See Sabatini, V.
 — Mining, Norway. See Friis, J. P.
 Felspars. See Bauer, M.; see Fedorov E. von; see Wallerant, F.
 —, Harz (Germany). See Lüdecke, O.
 Felsted (Essex). See Rowe, A. W., & J. French.
Fenestella. See Kayser, E.
 Fenestellidæ. See Simpson, G. B.
 Fergusonite. See Ramsay, W.
 Ferns. See Gabelli, L.
 —, Carbo-Permian. See Potonié, H.; see Plants.
 Ferret Valley (Savoy) Microgranulites. See Duparc, L., & F. Pearce.
Fibula, Jurassic. See Cossmann, M.; see Hudleston, W. H.
Ficula. See Vinassa de Regny, P. E.; see Vogel, F.
Ficus. See Ettingshausen, C. Freih. von.
 Field Observations. See Cole, G. A. J.
 Fifeshire Coalfield. See Anon., 5.
 Fig-trees, Fossil. See Capellini, G.
 Finero (Piedmont). See Porro, C.
 Finland. See Berghell, H.; see Berghell, H., & B. Frosterus; see Hackman, V.; see Herlin, R.; see Möberg, K. A.; see Sederholm, J. J.
 —, Cancrinite-Syenite. See Ramsay, W., & E. T. Nyholm.
 —, Changes of Quaternary Sea-level. See Berghell, H.; see Frosterus, B.; see Hackman, V.; see Ramsay, W.; see Sederholm, J. J.
 — (East) Sand-Dunes. See Theslev, A.; see Rosberg, J. E.
 — (—) Maltesite. See Sederholm, J. J.
 — (Gulf of) Glacial Quaternary Deposits. See De Geer, G.
 —, Iron Ore. See Blankett, H.
 —, Lake Lappajärvi. See Hammarström, R.
 —, — Lojo. See Boldt, R.
 —, Postglacial Subsidence. See Berghell, H.
 —, Quaternary Plants. See Herlin, R.
 — (South), Quaternary Deposits. See Berghell, H.
 Finlay River (B.C.). See McConnell, R. G.
 Fish, Devonian. See Whidborne, G. F.
 —, Livonia Salt Shaft Palæozoic. See Clarke, J. M.
 —, *Ptychodus* in Vienna Sandstone. See Redlich, K. A.
 — Teeth, French Cretaceous. See Priem, F.
 Fisher Meteorite (Minnesota No. 1). See Winchell, N. H.

- Fishes. *See* Claypole, E. W.; *see* Lydekker, R., &c.
- , Bernese-Jura Oligocene. *See* Kissling, E.
- , British Museum Fossil. *See* Woodward, A. S., & H. W. Monckton.
- , Carboniferous. *See* Davis, J. W.; *see* Eastman, C. R.
- , Chilian Tertiary. *See* Steinmann, G., &c.
- , Coal-measure. *See* Bolton, H.
- , Devonian. *See* Claypole, E. W.
- , Dipnoi. *See* Dollo, L.
- , Eocene. *See* De-Alessandri, G.; *see* Woodward, A. S.
- , Giffoni (Salerno) Triassic Fishes. *See* Bassani, F.
- , Lias Swabian. *See* Fraas, E.
- , Liassic, of Ilminster (Somerset). *See* Woodward, A. S.
- , Mondaino (Prov. di Forli, Emilia) Miocene. *See* Bonomi, I.
- , Monte Titano (San Marino) Tertiary. *See* Angelis d'Ossat, G.
- , Ohio Devonian. *See* Claypole, E. W.
- , Old Red Sandstone. *See* Macnair, P., & J. Reid; *see* Traquair, R. H.
- , Oligocene. *See* Kissling, E.
- , Oxford Clay. *See* Woodward, A. S.
- , Palæozoic. *See* Eastman, C. R.
- , Paraná (Argentina) Eocene. *See* Alessandri, G. de.
- , Péronne (Somme) Phosphatic Chalk. *See* Priem, F.
- , Pleuracanthidæ. *See* Jäkel, O.
- , Russian Devonian and Silurian. *See* Rogon, J. V.
- , Salt-range Trias. *See* Waagen, W.
- , Sardinian Miocene. *See* Angelis d'Ossat, G. de.
- , — Tertiary. *See* Lovisato, D.
- , Secondary Rocks of Württemberg. *See* Engel, T.
- , Selachii. *See* Jäkel, O.
- , Sharks as Ancestral. *See* Dean, B.
- , Teeth. *See* Priem, F.; *see* Ride-wood, W. G.
- , Tertiary. *See* Ogilby, J. D.
- , — (Piedmont & Liguria). *See* De-Alessandri, G.
- , Wealden. *See* Woodward, A. S.
- , West French Jurassic. *See* Glaugaud, P.
- Fissility & Cleavage. *See* Van Hise, C. R.
- Fissure-walls & Sub-fissuring. *See* Glenn, W.
- Flèche, La (Sarthe). *See* Bizet, P.
- Flint Drift of the Chalk, High-level. *See* Harrison, B.
- Implement Deposits, Villefranche-sur-Saône (Rhône). *See* Mortillet, G. de.
- Pebble-Bed Deposits, Adour River (S. France). *See* Harlé, E.
- Flint Pebbles, North German Diluvium White. *See* Jentzsch, A.
- Flint (N. Wales). *See* De Rance, C. E.
- Floating Islands, Lake Ralången (Gothland). *See* Oberg, V.; *see* Sieger, R.; *see* Svedmark, E.
- Flood Erosion, Cairo (Egypt). *See* Floyer, E.
- Flora, Fossil. *See* Plants, Fossil.
- Florence (Tuscany). *See* Trabucco, G.
- (—) Earthquake. *See* Giovannozzi, G., &c.
- (—) Eocene, &c. *See* Trabucco, G.
- (—), Eruptive Rocks near. *See* Chelussi, I.
- Florida, Albion Phosphate District. *See* Cox, E. T.
- , Building Stones. *See* Day, W. C.
- , Geological Sketch of. *See* Cox, E. T.
- , Geological Surveys. *See* Klitke, M.
- , Pebble Phosphates. *See* Codington, E. W.
- , Phosphates. *See* MacFarlane, G.
- , Rock Phosphate Deposits. *See* Wells, G. M.
- , Tertiary Mammals. *See* Leidy, J.
- Fluorspar. *See* Bauer, M.
- , Lower Austrian. *See* Schrötter, H. von.
- , San Roque, Córdoba (Argentina). *See* Valentin, J.
- Flysch. *See* Paul, C. M.
- Algae. *See* Gümbel, W. von.
- , Alpine. *See* Steinmann, G.
- , Foraminifera from Galician. *See* Grzybowski, J.
- , Fossil Wood Structure. *See* Krasser, F.
- , near Vienna (Lower Austria). *See* Fuchs, T.
- , Northern Apennine. *See* Trabucco, G.
- Fogolino (Prov. Rome) Peat. *See* Meli, R.
- Foix (Ariège). *See* Carez, L.; *see* Lacroix, A.
- Foldings, Norrbotten (Sweden). *See* Svenonius, F.
- Folds. *See* Reade, T. M.; *see* Van Hise, C. R.
- , Allauch Massif (Bouches-du-Rhône). *See* Fournier, E.
- of French Alps. *See* Fournier, E.; *see* Haug, E.; *see* Kilian, W.; *see* Lory, P.
- , Pennsylvania Anthracite-Beds. *See* Lyman, B. S.
- , Rock. *See* Van Hise, C. R.
- Folkestone (Kent) Gault Foraminifera. *See* Chapman, F.
- Fontainebleau (Seine-et-Marne) Tertiary. *See* Termier, P.
- Footprints, Reptilian. *See* Beasley, H. C.

- Foraminifera. *See* Chapman, F.; *see* Fornasini, C.; *see* Jones, T. R.; *see* Koken, E.; *see* Lydekker, R., &c.; *see* Rauff, H.; *see* Sherborn, C. D.
- , Austrian Tertiary. *See* Rzehak, A.
- , Baltic Yoldia-marl. *See* Munthe, H.
- , Barry Dock Deposits. *See* Strahan, A., &c.
- , Bibliography. *See* Sherborn, C. D.
- , Carboniferous. *See* Howchin, W.
- , Carpathian Tertiary. *See* Grzybowski, J.
- , Chalk and Recent. *See* Burrows, H. W., & R. Holland.
- , Crag. *See* Burrows, H. W.; *see* Jones, T. R.
- , Cretaceous. *See* Howchin, W.
- , Dimorphism. *See* Schaudinn, F.
- , Eocene. *See* Oppenheim, P.
- , Folkestone (Kent) Gault. *See* Chapman, F.
- , Italian. *See* Fornasini, C.
- , Pliocene. *See* Amicis, G. A. de.
- , Java Tertiary. *See* Martin, K.
- , Palaeozoic. *See* Miller, S. A., &c.
- , Scandinavian Chalk. *See* Munthe, H.
- , Tertiary. *See* Capellini, G.; *see* Oppenheim, P.
- , Trinidad (West Indies). *See* Guppy, R. J. L.
- , Upper Chalk. *See* Strahan, A., &c.
- , Vatican Marl (Rome). *See* Fornasini, C.
- , Wadowice (Galicia) Flysch. *See* Grzybowski, J.
- Foraminiferal Boulder-Clay, Great Crosby (Lancs). *See* Reade, T. M.
- Foraminiferous Deposits, North Atlantic. *See* MacKay, A. H.
- Forbesocrinus*. *See* Miller, S. A., &c.
- Ford (Lancs). *See* Morton, G. H.
- Forelands, Cusplate. *See* Gulliver, F. P.
- Forest, Bray (Co. Dublin) Submerged. *See* Praeger, R. L.
- Forests, Wirral (Cheshire) Submerged. *See* Forbes, H. O.
- Formentra (Balearic Isles). *See* Nolan, H.
- Formosa, Island of. *See* Campbell, W.
- Forsterite. *See* Arzruni, A.; *see* Thaddeev, C.
- Fort Union Formation. *See* Weed, W. H.
- Fortuna (Murcia) Eruptive Rocks. *See* Adán de Yarza, R.
- Fossarus*. *See* Hudleston, W. H.
- Fossil Determination Specialists. *See* Anon., 20.
- France. *See* Carez, L., &c.; *see* Davis, W. M.; *see* Michel-Lévy, A., &c.; *see* Peron, A.; *see* Rouville, P. G. de.
- , Central Plateau. *See* Boule, M.; *see* Curie, —; *see* Dereims, —; *see* Fabre, G.; *see* Launay, L. de; *see* Mouret, G.; *see* Thévenin, A.; *see* Verrier, — Le.
- France, Central Plateau Jurassic. *See* Glangeaud, P.
- , Cenomanian of W. France. *See* Jukes-Browne, A. J., & W. Hill.
- , Chalk Mollusca. *See* Oppenheim, P.
- , Durance Valley. *See* David-Martin, —.
- , Geological Survey. *See* Barrois, C.; *see* Bergeron, J.; *see* Bertrand, M.; *see* Bigot, A.; *see* Bizet, P.; *see* Boissellier, A.; *see* Bochet, L.; *see* Bresson, —; *see* Bureau, L.; *see* Carez, L.; *see* Cayeux, L.; *see* Collet, —; *see* Curie, —; *see* Delebecque, A.; *see* Depéret, C.; *see* Dereims, —; *see* Dollfus, G. P.; *see* Fabre, G.; *see* Fournier, E.; *see* Glangeaud, P.; *see* Gosselet, J.; *see* Grossouvre, A. de; *see* Haug, E.; *see* Hollande, —; *see* Janet, L.; *see* Kilian, W.; *see* Lacroix, A.; *see* Ladrière, —; *see* Launay, L. de; *see* Lebesconte, P.; *see* Lecornu, L.; *see* Lugeon, M.; *see* Maison, —; *see* Michel-Lévy, A.; *see* Mouret, G.; *see* Nicklès, R.; *see* Ehlert, P.; *see* Offret, A.; *see* Pâquier, V.; *see* Potier, —; *see* Révil, J.; *see* Ritter, E.; *see* Roman, F.; *see* Roussel, J.; *see* Seunes, —; *see* Termier, P.; *see* Thomas, H.; *see* Torcapel, A.; *see* Vélain, C.; *see* Verrier, — Le; *see* Wallerant, —; *see* Welsch, J.; *see* Zürcher, P.
- , Igneous Rocks. *See* Michel-Lévy, A.
- (Northern), *Palæchiniles*-limestone. *See* Lohest, M.
- (North-western), Callovian. *See* Bizet, P.
- , Pyrenees. *See* Roussel, J.
- (South-eastern). *See* Depéret, C.
- (—), Miocene. *See* Kilian, W.
- (South-western). *See* Bresson, —; *see* Fournier, E.; *see* Répelin, —, & — Blayac; *see* Stuart-Menteath, P. W.
- (—), Tertiary Fauna. *See* De-grange-Touzin, A.; *see* Reyt, L.
- , Sub-Alps. *See* Kilian, W.
- , Tertiaries of Southern Central Plateau. *See* Glangeaud, P.
- (Western), Cenomanian. *See* Jukes-Browne, A. J., & W. Hill.
- (—), Jurassic Deposits. *See* Glangeaud, P.; *see* Welsch, J.
- Franklin Co. (Mass.) Minerals. *See* Emerson, B. K.
- Freden (Hanover), Gravity Measurements. *See* Koenen, A. von.
- Free Gold in Granite. *See* Merrill, G. P.
- French Alps. *See* Bertrand, M.; *see* Douxami, H.; *see* Duparc, L., & L. Mrzecz; *see* Haug, E.; *see* Holland, W.; *see* Kerner, F. von; *see* Kilian, W.; *see* Lory, P.; *see* Lugeon, M.;

- see Offret, A.; see Pâquier, V.; see Révil, —; see Ritter, —; see Termier, L.; see Termier, P.; see Zürcher, P.
- French Alps, Eruptive Rocks. See Kilian, W., & P. Termier.
- , Folds & Domes. See Fournier, E.; see Haug, E.; see Kilian, W.; see Lory, P.
- Cliffs (Seine-Inférieure). See Thoulet, J.
- Colonies, Minerals. See Lacroix, A.
- Cretaceous Fish Teeth. See Priem, F.
- Eocene Fauna. See Lemoine, V.
- Geology, 1895. See Carez, L., & A. Peron.
- Glaciers. See Bonaparte, Prince R.
- Igneous Rocks. See Michel-Lévy, A.
- Jurassic Gastropoda. See Cossmann, M.
- Minerals. See Lacroix, A.
- Fribourg Alps. See Quereau, E. C.
- Fritschia*. See Dawson, Sir J. W.
- Frontenac Co. (Ont.). See Miller, W. G., &c.
- Fucoid Markings. See Fuchs, T.
- Fucoids, Caucasian Palæozoic. See Inostranzev, A., &c.
- Fulgurites. See Aston, E., &c.
- Fulham (Middlesex) Pleistocene Ostracoda. See Chapman, F.
- Funafuti Island (Pacific) Boring at. See Watts, W. W.
- Fungi, Carboniferous. See Renault, B.
- Fusulina*-limestone, Central Asia. See Suess, E., &c.
- Fusus*. See Steinmann, G., &c.; see Vinassa de Regny, P. E.
- Gas (Landes) Oligocene. See Raulin, V.
- Gabbro. See Rosenbusch, H.
- in Granophyres of Strath (Skye). See Harker, A.
- , Isle of Cuba. See Adán de Yarza, R.
- Labradorite. See Winchell, N. H.
- Mass, North-eastern Minnesota. See Bayley, W. S.
- Metamorphism. See Smith, C. H., Jun.
- , Norwegian. See Kjerulf, T.
- , Ontario. See Miller, W. G., &c.
- , Ronsperg (Bohemia). See Martin, F.
- Gabbros, Western Europe. See Geikie, Sir A.
- Gail Valley Permian (Carinthia). See Geyer, G.
- Schists (Carinthia). See Vivat, H.
- Galaxias*. See Ogilby, J. D.
- Galena. See Artini, E.
- Limestone Fauna, Lake Winnipeg, &c. (Canada). See Whiteaves, J. F.
- , Zinciferous. See Liversidge, A.
- Galgon (Gironde). See Degrange-Touzin, A.
- Galicja (Austria-Hungary). See Tietze, E.
- (—), Cretaceous, &c. See Niedzwiedzki, J.
- (—), Petroleum. See Weeks, J. D.
- (—), Potash-salts. See Tietze, E.
- (—), Tertiary Microfauna. See Grzybowski, J.
- Galician Podolia, Palæomorphology. See Teisseyre, W.
- Galley Hill (Kent). See Newton, E. T.
- Gallium in Clay-Ironstone, Cleveland (Yorks). See Hartley, W. N., & H. Ramage.
- Gallo, Monte (Sicily). See Gregorio, Marquis A. de.
- Galoenggoeng, Volcano (West Java). See Fennema, R.; see Kock, H. de.
- Gangamopteris*. See Zeiller, R.
- Gannat (Allier). See Launay, L. de; see Michel-Lévy, A., &c.
- Gap (Hautes-Alpes). See Kilian, W.; see Lory, P.
- Gaping-Ghyll Swallow Hole, Ingleborough (Yorks). See Martel, E. A.
- Gard Coalfield. See Gruner, E.
- Garde Adhémar (Drôme). See Depéret, C.
- Garnet. See Adams, F. D., &c.; see Bauer, M.; see Kunz, G. F.; see Parker, E. W.
- Garnets, Acicular Inclusions, &c., in Indian. See Holland, T. H.
- Garonne River Alluvium, Toulouse (Haute-Garonne). See Harlé, E.
- Gas, Indiana Natural. See Leach, J. C., &c.
- Gascony. See Stuart-Menteath, P. W.
- , Sand Dunes. See Durègne, —.
- Gases in Rocks and Minerals. See Tilden, W. A.
- Gasteropod Genus *Cyclora* and Phosphate of Lime Deposits. See Miller, A. M.
- Gasteropoda. See Koken, E.; see Lydekker, R., &c.; see Woodward, B. B.
- , Bernese-Jura Oligocene. See Kissling, E.
- , Rauracian. See Loriol, P. de.
- , Borneo Jurassic. See Vogel, F.
- , Carboniferous. See Donald, Jane.
- , Carniola Miocene. See Hoernes, R.
- , Caucasian Cretaceous. See Inostranzev, A., &c.
- , Central Australian. See Tate, R.
- , Chalk Rock. See Woods, H.
- , Chilian Tertiary. See Steinmann, G., &c.
- , Cretaceous. See Tiessen, E.
- , Devonian. See Beyer, E.; see Broadhead, J. C.; see Whidborne, G. F.
- , Eocene. See Oppenheim, P.
- , — of Erbray (Loire-Inférieure). See Barrois, C.

- Gasteropoda, French Jurassic. *See* Coss-
mann, M.
—, Hallstatt Triassic (Tyrol). *See*
Koken, E.
—, Illinois Fossil. *See* Worthen,
A. H., &c.
—, in Drift, Moresat (Aberdeen). *See*
Sharman, G., & E. T. Newton.
—, Java Tertiary. *See* Martin, K.
—, Jurassic. *See* Bigot, A.; *see* Coss-
mann, M.
—, Morphology. *See* Verrill, A. E.
—, Oligocene. *See* Kissling, E.
—, Oolitic. *See* Hudleston, W. H.
—, Pacific Coast Cretaceous. *See*
Stanton, T. W.
—, Palæozoic. *See* Clarke, J. M.
—, Pleistocene of Weimar, &c. *See*
Weiss, A.
—, Pontian. *See* Lorenthey, I.
—, Rauracian. *See* Loriol, P. de, &
E. Koby.
—, Roumanian Tertiary. *See* Stefan-
escu, S.
—, Secondary Rocks of Württemberg.
See Engel, T.
—, Spanish Cretaceous. *See* Nicklès,
R.
—, Tertiary, &c. *See* Gregorio, Mar-
quis A. de; *see* Oppenheim, P.; *see*
Vinassa de Regny, P. E.
—, Tortonian. *See* Sangiorgi, D.
—, Toulouse and Villefranche (Haute-
Garonne) Quaternary. *See* Fagot, P.
—, Vancouver (B.C.) Cretaceous. *See*
Whiteaves, J. F.
—, Venetian Alps Tertiary. *See*
Vinassa de Regny, P. E.
Gault Foraminifera, Folkestone (Kent).
See Chapman, F.
—, Zones, Dorset. *See* Newton, R. B.
Gausdal (Hamar, Norway). *See* Björ-
lykke, K. O.
Gaylussite. *See* Pratt, J. H.; *see*
Schulten, A. de.
Geddington (Northants). *See* Thompson,
B.
Gedrite-slate, Dalecarlia. *See* Weibull,
M.
Gefell (Saxony). *See* Zimmermann, E.
Gefleborg Lån (Sweden). *See* Blomberg,
A.
Gehlenite. *See* Heberdey, P.
Geikia. *See* Traquair, R. H.
Gemmi Pass Avalanche (Valais). *See*
Knox, H. V.; *see* Preller, C. S. Du
R.
Genesee Lakes (N.Y.) Glacial. *See*
Fairchild, H. L.
Geneva, Lake of. *See* Lubbock, Sir J.
Genyornis. *See* Stirling, E. C.
Geography, Carboniferous Period. *See*
Bertrand, M.
Geological Address to Section C, British
Association. *See* Marr, J. E.
—, Biology. *See* Shaler, W. H.
—, Importance of the Sun. *See* Win-
stanley, R.
Geological Maps, Netherlands. *See*
Schroeder, van der Kolk, J. L. C.
—, Society of America. *See* Upham,
W.
—, Study. *See* Winstanley, R.
—, Survey, Denmark. *See* Dollfus, G.
—, Glacial Work. *See* Anon., 8.
—, Great Britain. *See* Geikie,
Sir A.
—, India. *See* Griesbach, C.
—, Portuguese. *See* Lake, P.
—, United States. *See* Watts,
W. W.; *see* Day, D. T.
—, Surveying. *See* Blaas, J.; *see*
Kahle, P.; *see* Keilhack, K.
—, Surveys, Necessity of. *See* Brown,
N.
—, of United States. *See*
Geinitz, H. B.; *see* Klittke, M.
—, Time. *See* Drayson, A. W.; *see*
Fairchild, H. Le R.; *see* Hill, H.
—, and Denudation. *See* Hill, H.
—, Charts. *See* Ramsay, A.
Geology and Education. *See* Shaler,
N. S.; *see* Talmage, J. E.
—, French, 1895. *See* Carez, L., &
A. Peron.
—, in France 90 years ago. *See*
Gosselet, J.
—, Russian. *See* Krichtafovitch, N.
Geomorphogeny. *See* Vélain, C.; *see*
Supan, A.
Georgia, Building Stones. *See* Day,
W. C.
—, Chrome. *See* Glenn, W.
—, Coal. *See* Parker, E. W.
—, Corundum. *See* Lewis, J. V.
—, Geological Surveys. *See* Klittke,
M.
—, Gold. *See* Brewer, W. M.; *see*
Nitzze, H. B. C., & H. A. J. Wilkens.
—, Iron Ores. *See* Birkinbine, J.
—, Mineral Resources. *See* Blake,
W. P.
Georgian Basin (Queensland) Artesian
Water. *See* Jack, R. L.
Gerez Hot Springs (Portugal). *See*
Choffat, P.
German Protectorates, Africa. *See*
Stromer von Reichenbach, E. Freih.
Germanasca Valley (Piedmont). *See*
Novarese, V.
Germany. *See* Davis, W. M.; *see* Lep-
sius, R.
—, Carbo-Permian Plants. *See*
Potonie, H.
— (Northern), Cretaceous Echinoderms.
See Schlüter, C.
— (—), Wealden Reptiles. *See*
Koken, E.
— (Southern) Liassic Plesiosaurs. *See*
Dames, W.
Gervillia. *See* Bittner, A.
Gewitsch (Moravia) Crystalline Rocks.
See Rosiwal, A.
Gharian (Tripoli). *See* Cowper, H. S.
Gialtra (Greece) Hot Springs. *See*
Dambergis, A. K.

- Giant's Causeway (Antrim) Basalt. *See* Geikie, Sir A.
- Giessen (Hesse - Darmstadt) Devonian. *See* Kayser, E.
- , Silurian Fauna near. *See* Kayser, E.
- Giffoni (Salerno) Triassic Fishes. *See* Bassani, F.
- Giglio Island (Tuscany). *See* Franchi, F.
- Gilippe, Lake (Liège). *See* Forir, H.
- Gimont (Savoy) Monte. *See* Piolti, G.
- Giridih Coalfield (Bengal). *See* Holland, T. H.
- Gironde (France). *See* Degrange-Touzin, A.
- Girvanella*. *See* Wethered, E. B.
- Giudicaria (S. Tyrol) Trias. *See* Arthaber, G. von.
- Glacial Age in Tropical America. *See* White, R. B.
- Beds, Clava (Inverness). *See* Smith, J.
- Chronology. *See* Jentzsch, A.
- Deposits. *See* Jentzsch, A.
- , Alberta (Canada). *See* Dawson, G. M., & R. G. McConnell.
- , American. *See* Upham, W.
- , Coventry (Warwick). *See* Mardwell, F. T.
- , Eastern England. *See* Howorth, Sir H. H.
- , Hoxne (Suffolk). *See* Reid, C.
- , Illinois. *See* Hershey, O. H.
- , New Brunswick. *See* Chalmers, R.
- , Polish Livonia. *See* Lehmann, E.
- , Salt Range (Panjab) Permian. *See* Noetling, F.
- , South Finland. *See* Herlin, R.
- , South Hanover and Harz Mts. (Germany). *See* Müller, G.
- , Switzerland. *See* Preller, C. S. Du R.
- Diatomaceæ. *See* Corti, B.
- Drift. *See* Crosby, W. O.
- Erratics, Australian Permo-Carboniferous. *See* David, T. W. E.
- Furrows. *See* Goodchild, J. G.
- Genesee Lakes (N.Y.). *See* Fairchild, H. L.
- Geology. *See* Anon., 7; *see* Reade, T. M.
- , Arctic Europe. *See* Feilden, H. W., & T. G. Ronney.
- , Robin Hood's Bay (Yorks). *See* Muff, H., &c.
- Gravels, Lower Susquehanna Valley. *See* Bashore, H. B.
- Man, Ohio. *See* Claypole, E. W.
- Moraines, Wisconsin. *See* Buell, I. M.
- Period. *See* Mansen, M.; *see* Pasquier, L. du; *see* Southall, J. C.
- , Ibex. *See* Reichenau, W.
- , Ice-raft Action. *See* Hill, E.
- Glacial Period changing the Underground Temperature. *See* Davison, C.
- , Cause of. *See* Hull, E.
- , Dora Riparia Valley (Piedmont). *See* Olivero, E.
- , Shropshire. *See* Callaway, C.
- , Swabia. *See* Fraas, E.; *see* Pilgrim, W.
- Periods. *See* Davison, C.; *see* Drayton, A. W.; *see* Jentzsch, A.; *see* Lindvall, C. A.; *see* Marchi, L.; *see* Taber, C. A. M.
- , Sweden. *See* Holst, N. O.
- Phenomena near York. *See* Fox-Strangways, C.
- , South Africa. *See* Schenk, A. J.
- Quaternary Deposits, Gulf of Finland. *See* De Geer, G.
- Sand, Swedish. *See* Keilhack, K.
- Streams. *See* Dickson, E.
- Striae. *See* Lomas, J.
- , Modern. *See* Kendall, P. F., & J. Lomas.
- Work of the Geological Survey. *See* Anon., 8.
- Glaciated Area, Kansas. *See* Swem, E. G.
- Surface, Little Mollington (Cheshire). *See* Derryhouse, A. R.
- Glaciation. *See* Bonney, T. G.; *see* Marr, J. E.; *see* Prelo, O. de.
- , Almenno (Bergamo). *See* Taramelli, T.
- , America. *See* Upham, W.
- and Changes of Sea-level in Finland. *See* Berghell, H.; *see* Frosterus, B.; *see* Hackman, V.; *see* Ramsay, W.; *see* Sederholm, J. J.
- , Arctic Europe. *See* Feilden, H. W.
- , Argyllshire. *See* Argyll Duke of.
- , Australia. *See* David, T. W. E.; *see* Officer, G., &c.; *see* Tate, R., &c.
- , British Columbia (Canada). *See* Dawson, G. M.
- , Dora Riparia Valley (Piedmont). *See* Olivero, E.
- East of Storsjöen and Rendalen (Hedemarken, Norway). *See* Schiötz, O. E.
- , Farøe Islands. *See* Grossmann, K.
- , French Jura. *See* Bourgeat, —.
- , Greenland. *See* Salisbury, R. D.
- , Haut-Jura. *See* Gander, S.
- , Iceland. *See* Grossmann, K.
- , Lake District. *See* Marr, J. E.
- , Liverpool. *See* Lomas, J.
- , Lombardy. *See* Baltzer, A.
- , Mondego Valley (Beira, Portugal). *See* Delgado, J. F. N.
- , Monte Vulturino (Basilicata). *See* Lorenzo, G. de.
- , Nam Valley, Trondhjem (Norway). *See* Rekstad, J.
- , Norway. *See* Öyen, P. A.; *see* Reusch, H.; *see* Richter, E.
- , Pennsylvania. *See* Kimmel, H. B.
- , Tasmania. *See* Moore, T. B.

- Glaciation, Victoria (Australia). *See* Officer, G., &c.
 —, Wrekin (Salop). *See* Dwerryhouse, A. R.
 —, Yorkshire. *See* Harrison, W. J.
 Glaciers. *See* Grossmann, K.; *see* Hull, E.; *see* Kendall, P. F.; *see* Preller, C. S. Du R.; *see* Reid, H. F.; *see* Taber, C. A. M.
 —, Aubrac Mts. (Lozère & Cantal) Pliocene. *See* Fabre, G.
 —, Periodic Variation. *See* Marchi, I. de.
 —, Pitch. *See* Sollas, W. J.
 —, Pyrenees. *See* Trutat, E.
 —, Ridges in. *See* Sieger, R.
 —, Swiss. *See* Lubbock, Sir J.
 —, Variations of. *See* Forel, F. A., & L. Du Pasquier.
 —, Variations of French. *See* Bonaparte, Prince R.
 Glamorganshire Coal-field. *See* Anon., 25.
 Gland. *See* Laspeyres, H., & E. Kayser.
Glandulina. *See* Fornasini, C.
 Glarus (Switzerland). *See* Lubbock, Sir J.
 — (—) Chalk District. *See* Burckhardt, C.
 Glasdrumman Port (Co. Down) Andesite. *See* Cole, G. A. J.
 Glasgow University & Geology. *See* Young, John.
 Glass Enclosures in Basalt, Eifel. *See* Foley, Mary C.
 Glatt Valley (Zürich). *See* Bosshard, A.; *see* Preller, C. S. Du R.
 Glatz (Silesia) Diluvium. *See* Dathe, E.
 Glauconite. *See* Lacroix, A.
 Glauconitic Tuff, Zovencedo (Venetia). *See* Vinassa de Regny, P. E.
 Gleichenberg (Styria). *See* Clar, K.
Gleichenia. *See* Johnston, R. M.
 Glen Cañon (Arizona). *See* Talmage, J. E.
 — Roy (Lochaber). *See* Bell, D.
 Glenary (Argyll). *See* Argyll, Duke of.
 Glenshire (Argyll). *See* Argyll, Duke of.
 Gléresse (Bernese Jura). *See* Schwardt, H., & E. Baumberger.
Globigerina. *See* Jones, T. R.
 —-limestones, Maltese. *See* Cooke, J. H.
 Glockner Range (Tyrol). *See* Löwl, F.
Gloiaconis. *See* Renault, B.
Glossifungites. *See* Fuchs, T.
Glossophora. *See* Koken, E.
Glossopteris. *See* Johnston, R. M.; *see* Lodin, A.; *see* Zeiller, R.
 —-deposit, Jachal (N.W. Argentina). *See* Bodenbender, W.
 —, Witwatersrand Karoo Beds. *See* Launay, L. de.
Glycimeris. *See* Vinassa de Regny, P. E.
 Glyphæidæ. *See* Woodward, H.
Glyptaster. *See* Miller, A. S., &c.
Glyptostrobus. *See* Ettingshausen, C. Freih. von.
 Gnawed Bones. *See* Nehring, A.
 Gneiss & Granite, East Central Alps. *See* Weinschenk, E.
 —, Brünn (Moravia). *See* Tausch, L. von.
 —, High Tauern (Styria). *See* Weinschenk, E.
 —, Mont Blanc (Haut-Savoie). *See* Duparc, L., & L. Mrazec.
 —, Norwegian Highland. *See* Brögger, W. C.
 —, Spanish. *See* Mallada, L.
 Gneisses, Central Anglesey Sillimanite. *See* Greenly, E.
 Gneissic Granite, Norwegian. *See* Kjerulf, T.
 Gneissoid Rocks, Lizard (Cornwall). *See* Bonney, T. G.
 Gohna Landslip, Garhwal (N. India). *See* Glass, J. H.
 Gold. *See* Anon., 13.
 —, Africa (South). *See* Africa (South); *see* Auriferous Deposits; *see* Transvaal.
 —, Alabama. *See* Smith, E. A., &c.
 —, Altenberg (Silesia). *See* Rossenberg-Lipinsky, — von.
 —, Argentina. *See* Valentin, J.
 —, Bibliography. *See* Liversidge, A.
 —, British Columbia. *See* Gwillim, J. C.
 —, — Guiana. *See* Chalmers, D. P.
 —, California. *See* Fairbank, H. W.
 —, Canadian. *See* Hoffmann, G. C.
 —, Carelmapu (Chili). *See* Cortés, O.; *see* Sundt, L.
 —, Chili. *See* Möricke, W.
 —, Co. Wicklow. *See* Ball, V.
 —, Corea. *See* Gale, J. S.
 —, Cripple Creek (Col.). *See* Cross, W., & R. A. F. Penrose, Jun.; *see* Millar, C. H.
 —, Deposits, Alaska. *See* Becker, G. F.
 —, —, Formation of. *See* Gautier, F.
 —, —, Mount Morgan (Queensland). *See* Adams, F. D.
 —, —, New Zealand Hysteromorphous. *See* Gordon, H. A.
 —, —, Origin of. *See* Kraatz, K. von.
 —, —, Transvaal. *See* Auriferous Deposits & Africa (South).
 —, —, New South Wales, Nova Scotia. *See* Lodin, A.
 —, Esk River, Richmond Co. (N.S.W.). *See* Carne, J. E.
 —, Free, in Granite. *See* Merrill, G. P.
 —, Georgia & North Carolina. *See* Blake, W. P.
 —, Harz (Germany). *See* Lüdecke, O.
 —, Hungary. *See* Gesell, A.; *see* Szokol, P.

- Gold, Idaho (U.S.A.). See Eldridge, G. H.
 — in Sea-water. See Liversidge, A.
 — in the Ardenne. See Dewalque, G.
 —, Lydenberg (Transvaal). See Kuntz, J.
 —, Mercur (Utah). See Spurr, J. E.
 — Mines & Geological Surveys. See Brown, N.
 — Mining, Rhodesia (S. Africa). See Wilkinson, W. F.
 —, New South Wales. See Slee, W. H. J.
 —, New Zealand. See Cadell, H. M.; see Cadman, A. J.; see Gordon, H. A.; see McKay, A.
 —, Nova Scotia. See Mason, F. H.; see Prest, W. H.
 — Ore, Formation of. See Kraatz-Koschlaui, K. von.
 — Ores (N.S.W.). See Card, G. W.
 —, Queensland Refractory. See Weinberg, E. A.
 — Quartz. See Hanks, H. G.
 — Vein (Cal.), Water-worn. See Holman, F. C.
 — Veins. See Maryanski, M.
 — Regions, Georgia & Alabama. See Brewer, W. M.
 —, Silesian. See Rosenberg-Lipinsky, — von.
 —, Southern Appalachian States (U.S.A.). See Nitze, H. B. C., & H. A. J. Wilkens.
 —, Tasmanian. See Petterd, W. F.
 —, Transvaal. See Africa (South); see Auriferous Deposits; see Transvaal.
 —, Victoria (Australia). See Babu, L.
 —, Wattle Flat & Sofala (N.S.W.). See Jaquet, J. B.
 —, Western Australia. See Woodward, H. P.
 —, — & Africa. See Zerener, M. B.
 Goldfield, Colar (Bombay Pres.). See Garland, J.
 —, Hodgkinson (Queensland). See Jack, R. L.
 —, Sutherland (Scotland). See Greenly, E.
 —, Venterskroon (Transvaal). See Bunkell, H. B.
 Goldfields, Appalachian (U.S.A.). See Becker, G. F.
 —, Cripple Creek (Col.). See Cross, W., &c.; see Millar, C. C. H.
 —, India. See Charlton, A. G.
 —, Matabeleland. See Shaw, F. G.
 —, New South Wales. See Carne, J. E.; see Jaquet, J. B.; see McLachlan, D. C.; see Pittman, E. F.; see Stonier, G. A.
 —, Western Australian. See James, B. S.; see Schmeisser, C.
 Gomphoceras. See Clarke, J. M.
 'Gondwana-land.' See Blanford, W. T.
 Goniasteroidocrinus. See Miller, A. S., &c.
 Goniatites. See Crick, G. E.; see Fliegel, G.; see Millar, S. A., &c.
 Goniodoris. See Fuchs, T.
 Goniometers. Lacroix's Axial. See Winchell, N. H.
 Goniopholis. See Koken, E.
 Goniophyllum. See Weller, S., & A. D. Davidson.
 Gonodon. See Bittner, A.
 Gonorhynchidae. See Woodward, A. S.
 Gordonia. See Traquair, R. H.
 Gorges, Lake District. See Marr, J. E.
 Gorgona Island (Tuscany). See Franchi, S.
 Goring Gap (Berks). See Salter, A. E.
 Gorju (Roumania). See Redlich, K. A.
 Gorleston (Suffolk), Transported Boulder Clay near. See Hill, E.
 Gosau Deposits. See Schlosser, M.
 — (Upper Austria) Hippurites-beds. See Douvillé, H.
 Goslar (Harz) Diabase. See Rinne, F.
 Gotland (East) Bone Implement in *Ancylus*-clay. See Munthe, H.
 — (Island of) Upper Silurian Corals. See Lindström, G.
 — Silurian Trilobites. See Lindström, G.
 — (West) Cambrian Zones. See Wallerius, J. D.
 Grafrath (Rhenish Prussia) Devonian Plants. See Solms-Laubach, Count H. zu.
 Graham Land (Antarctic). See Arctowski, H.; see Borchgrevink, C. E.; see Bruce, W. S.; see Donald, C. W.
 —. See Antarctic.
 Gramat (Lot) Caverns. See Albe, E.
 Grammatopteris. See Renault, B.
 Grammoceras. See Brasil, L.
 Granada (Spain) Secondary Rocks. See Nicklès, R.
 Granatspitz (Tyrol). See Löwl, F.
 Grancona (Venetia). See Oppenheim, P.
 Grand Lake Coalfield (N.B.). See Leckie, R. G. E.
 Grande-Brière (Loire-Inférieure), Origin of. See Barrois, C.
 Grandevent (Haut-Jura). See Grandier, S.
 Grange Hill (Kildare). See Reynolds, S. H., & C. I. Gardiner.
 Granite. See Elliott, A. C.; see Michel-Lévy, A.; see Rosenbusch, H.
 —, Caucasian. See Dingelstedt, V.
 —, Diorite, Harrison (N.Y.). See Ries, H.
 —, East Central Alps. See Weinschenk, E.
 —, Free Gold in. See Merrill, G. P.
 —, Gases in. See Tilden, W. A.
 —, High Tauern (Styria). See Weinschenk, E.
 —, Islands of Caprara & Sardinia. See Lovisato, D.

- Granite, Isle of Cuba. *See* Adán de Yarza, R.
 — Industry, Norway. *See* Riiber, C. C.
 —, Mourne Mountains (Ireland). *See* Roberts, R. W.
 —, North-western Highland. *See* M^cMahon, C. A.
 —, Norwegian. *See* Kjerulf, T.
 —, Segregation. *See* Bäckstrom, H.
 —, Spanish. *See* Mallada, L.
 Granites, Californian. *See* Lawson, A. C.
 —, Maryland (Central). *See* Keyes, C. R.
 —, Ozarks (Miss.). *See* Keyes, C. R.
 —, Sutherland. *See* Horne, J., & E. Greenly.
 —, U.S.A. *See* Day, W. C.
 Granitic Contact-Rock Magma. *See* Lacroix, A.
 — Gneiss, Norwegian. *See* Kjerulf, T.
 — Rocks, Atlantic Piedmont Plateau. *See* Williams, G. H.
 Granitite of N.S.W. *See* Jaquet, J. B.
 Granophyre, Western Europe. *See* Geikie, Sir A.
 Granophyres, Strath (Skye). *See* Harker, A.
 Granulite. *See* Duparc, L.
 Graptolites. *See* Gurley, R. R.; *see* Holm, G.; *see* Marr, J. E.; *see* Nicholson, H. A.; *see* Wiman, C.
 —, Cambrian. *See* Matthew, G. F.
 —, Canadian Silurian. *See* Grant, C. C.
 —, Silurian. *See* Elles, G. L., & E. M. R. Wood.
 Gratz University Geological Institute. *See* Hoernes, R.
 Graubünden (Grisons) Manganese Ore. *See* Tarnuzzer, C.
 Gravel, East Anglian 'Pebbly.' *See* Salter, A. E.
 — Ridges formed by Lake-Ice. *See* Feilden, H. W.
 Gravels, Buchan Co. (Iowa). *See* Calvin, S.
 — (Glacial), Eastern England. *See* Howorth, Sir H. H.
 —, Massachusetts (U.S.A.). *See* Shaler, N. S.
 Gravity. *See* Davison, C.
 — Measurements. *See* Milne, J.; *see* Ransome, F. L.; *see* Putnam, G. R.
 —, Hanover. *See* Könen, A. von.
 Great Barrier Reef, Australia. *See* Agassiz, A.
 — Britain & Ireland, Land Connexions between. *See* Kinahan, G. H.
 —, Coal-mining in. *See* Galloway, R. L.
 —, Geological Survey. *See* Geikie, Sir A.
 —, Mines. *See* Atkinson, J. B., &c.; *see* Foster, C. Le N.
 —, Petroleum. *See* Weeks, J. D.
 — Crosby (Lancs), Foraminiferal Boulder Clay. *See* Reade, T. M.
 Great Oolite Isopod, Northampton. *See* Woodward, H.
 — Plains (U.S.A.) Water Supply. *See* Hay, R.
 —, Salt Lake (Utah). *See* Talmage, J. E.
 — Submergence, Clava Section (Inverness). *See* Smith, J.
 — Yarmouth (Norfolk), Transported Boulder Clay near. *See* Hill, E.
 Greece. *See* Philippson, A.; *see* Schafarzik, F.
 —, Earthquakes. *See* Dambergis, A. K.; *see* Papavasiliou, S. A.
 —, Laurium Slag Minerals. *See* Lacroix, A.
 — (Northeru). *See* Hilber, V.
 Greenland Glaciation. *See* Salisbury, R. D.
 Greenockite. *See* Christomanos, —.
 Greensand, Warminster (Wilts). *See* Jukes-Browne, A. J.
 Greensands, New Jersey. *See* Clark, W. B.
 Greenstone, Blekinge and Schonen (Gothland). *See* Möberg, J. C.
 Greifenstein (Austria) Eocene Plants. *See* Fuchs, T.
 Grenoble (Isère). *See* Duparc, L.; *see* Kerner, F. von; *see* Kilian, W.
 Grevillea. *See* Ettingshausen, C. Freih., von.
 Grigna Alps (Venetia) Triassic Mollusca. *See* Philippi, E.
 Grigna Mts. (Lombardy). *See* Becker, H.
 Grindelwald (Bern). *See* Dickson, E., &c.
 — (—) Quartz. *See* Termier, P.
 Grindstones, Indiana. *See* Kindle, E.
 —. *See* Sandstones.
 —, U.S.A. *See* Parker, E. W.
 Griqualand West (S. Africa) Nitrates. *See* Marloth, R.
 Grissleham (Svealand). *See* Erdmann, E.
 Gross-Venedigerstock (Tyrol). *See* Weinschenk, E.
 Grosswardein (Transylvania) Mastodon-Remains. *See* Tóth, M.
 'Grotte de Saint-Robert' near Brive (Corrèze). *See* Lalande, P.
 — des Capélans (Lozère). *See* Barbot, J.
Gryphaea Esterházyi. *See* Suess, E., &c.
 Guadalquivir Tertiary (Seville). *See* Calderon, S.
 Gudbrandsdal & Gausdal (Hamar, Norway). *See* Björlykke, K. O.
Guerrangeria. *See* Barrois, C.
 Guerrero (Mexico) Quicksilver. *See* Halse, E.
Guettaria. *See* Lambert, J.
 Guiana, British. *See* Chalmers, D. P.; *see* Neves e Mello, A. A. das.
 Guiscard (Nord) Eocene Sands. *See* Thomas, —.
 Gundagai (N.S.W.) Chromite. *See* Carne, J. E.

- Gunung Salak (Batavia). *See* Wichmann, A.
- Gymnosperms. *See* Potonié, H.; *see* Seward, A. C.
- Gypsey-springs, Yorkshire. *See* Brierley, H.
- Gypsum. *See* Anon., 13; *see* Parker, E. W.
- , Algeria. *See* Gentil, L.
- , Crystals. *See* Jowa, L.
- , Deposits, Nottinghamshire & Derbyshire. *See* Metcalfe, A. T.
- , Incrustations, Cave. *See* Merrill, G. P.
- , Nottinghamshire & Derbyshire. *See* Metcalfe, A. T.
- Gyroceras*. *See* Kayser, E.
- Gyrophyllites*. *See* Fuchs, T.
- Gyroptychinus*. *See* Traquair, R. H.
- Hadrophyllum*. *See* Miller, S. A., & c.
- Hæmatite. *See* Bauer, M.
- , South Wales. *See* Howard, F. T.
- Haina (Wetzlar) Devonian Fauna. *See* Beyer, E.
- Hainaut (French) Carboniferous Limestone. *See* Dorlodot, H. de.
- 'Hallefinta,' Swedish. *See* Norden-skiöld, O.
- Hallett's Cove (South Australia), Glaciation. *See* Tate, R., & c.
- Hallingdal (S. Norway). *See* Reusch, H.
- Halloysite. *See* Lacroix, A.
- Hallstatt (Tyrol), Triassic Gasteropoda. *See* Koken, E.
- 'Hallstätter Kalk.' *See* Bittner, A.
- Halobia*. *See* Bittner, A.
- , limestone, Sicilian & South Italian. *See* Mojsisovics von Mojsvár, E. von.
- Hatorella*. *See* Suess, E., & c.
- Hatorites*. *See* Mojsisovics von Mojsvár, E. von.
- Hamar (Norway). *See* Reusch, H.
- Hamilton (Ont.). *See* Grant, C. C.; *see* Walker, A. E.
- Hammatoceras*. *See* Brasil, L.
- Hampden Co. (Mass.) Minerals. *See* Emerson, B. K.
- Hampshire Co. (Mass.) Minerals. *See* Emerson, B. K.
- Hampstead (Middlesex). *See* Salter, A. E.
- Hanchurch Hills Dykes (Staffs). *See* Anon., 40.
- Hanksite. *See* Pratt, J. H.
- Hanover, Gravity Measurements. *See* Könen, A. von.
- (Southern) Glacial Deposits. *See* Müller, G.
- Hapaloxylon*. *See* Renault, B.
- Haplodontotheriida. *See* Mercerat, A.
- Hardanger Plateau (Norway). *See* Brögger, W. C.; *see* Reusch, H.
- Harpagornis*. *See* Shufeldt, R. W.
- Harpes*. *See* Barrois, C.; *see* Reed, F. R. C.
- Harpoceras*. *See* Fucini, A.; *see* Krause, P. G.
- Harrison (N.Y.) Granite-Diorite. *See* Ries, H.
- Harz Diabase, & c. *See* Koch, M.; *see* Rinne, F.
- Ores & Minerals. *See* Lüdecke, O.
- , Kellerwald. *See* Denckmann, A.
- , Glacial Deposits. *See* Müller, G.
- , Upper. *See* Beushausen, L.
- Hastings (Sussex). *See* Abbott, W. J. L.
- Hastingsite. *See* Adams, F. D., & c.; *see* Gaubert, P.
- Hatfield (Herts). *See* Salter, A. E.
- Hauerites*. *See* Mojsisovics von Mojsvár, E. von.
- Hauraki District (N.Z.), Gold. *See* Cadell, H. M.
- Hausmannia*. *See* Etheridge, R., Jun., & J. Mitchell.
- Hausrück Mts. (Upper Austria). *See* Tausch, L. von.
- Haut-Jura Erratics. *See* Gander, S.
- Haute-Garonne (France), Quaternary Mammals. *See* Harlé, E.
- Hauterivian. *See* Pâquier, V.; *see* Schardt, H., & E. Baumberger.
- Hautes-Alpes. *See* Lory, P.
- Havre, Le (Seine-Inférieure), Cliff Denudation. *See* Savalle, E.
- Hawaii. *See* Anon., 1.
- Hawaiian Volcanoes. *See* Friedländer, B.
- Soils. *See* Lyons, A. B.
- Headlands, Cusate. *See* Gulliver, F. P.
- Headley (Surrey). *See* Monckton, H. W., & W. P. D. Stebbing.
- Heat, Underground. *See* Dunker, E.
- , —. *See* Underground Temperature.
- Hebrides, Basalts. *See* Geikie, Sir A.
- Hedemarken (Norway). *See* Schiötz, O. E.
- Hegyes-Drócsa Mts., Arad (Transylvania). *See* Pethó, J.
- Heidelberg (Transvaal) Gold Deposits. *See* Launay, L. de.
- Coalfield (Transvaal). *See* Shipley, T. B.
- Limestones (N.Y.). *See* Darton, N. H.
- Helictites*. *See* Mojsisovics von Mojsvár, E. von.
- Heliolites*. *See* Barrois, C.; *see* Wentzel, J.
- Heliopora*. *See* Wentzel, J.
- Helium in Minerals. *See* Ramsay, W.
- Hellriegel (Magdeburg). *See* Beyschlag, F.
- Helminthochiton*. *See* Barrois, C.
- 'Helvétien.' *See* Munier-Chalmas, —, & A. de Lapparent.
- Helviensis Delgadoi*. *See* Choffat, P.
- Hendon (Middlesex). *See* Monckton, H. W.

- Henley-in-Arden (Warwick) Railway-Section. *See* Brodie, P. B.
- Heraclea (Asia Minor). *See* Douvillé, H.
- (—) Coal. *See* Ralli, G.
- Heraclites*. *See* Mojsisovics von Mojsvár, E. von.
- Hérault (S. France). *See* Bergeron, J.; *see* Rouville, P. G. de; *see* Miquel, —.
- Herberton Tin (N. Queensland). *See* Munday, J.
- Hercoceras*. *See* Maurer, F.
- Hercorhaphé*. *See* Fuchs, T.
- Hercynella*. *See* Barrois, C.
- Hermæa*. *See* Fuchs, T.
- Hertfordshire, Stone Age. *See* Evans, Sir John.
- Herzegovina, Underground Water. *See* Kraus, F.
- Hessel, J. F. C. *See* Hess, E.
- Heterangium*. *See* Renault, B.; *see* Williamson, W. C., & D. H. Scott.
- Heteroceras*. *See* Whiteaves, J. F.
- Heteroclypeus*. *See* Loriol, P. de.
- Heteropedina*. *See* Michalet, —.
- Hettangian, Valognes (Manche). *See* Bigot, A.
- Heulandite. *See* Rinne, F.
- Hève, Cap de la (Seine-Inférieure). *See* Savalle, E.
- Hexapterospermum*. *See* Renault, B.
- Heyrieu (Isère). *See* Depéret, C.
- Hiddenite. *See* Bauer, M.
- Hieroglyphs. *See* Fuchs, T.
- High-level Flint-drift of the Chalk. *See* Harrison, B.
- 'High-Mountain-Formation,' Norway. *See* Reusch, H.
- Highland Quartzite, Norwegian. *See* Björlykke, K. O.
- Highlands (North-western) Granite. *See* McMahon, C. A.
- , Southern Border Fault. *See* Davison, C.
- (Southern), Altered Clastic Rocks. *See* Macnair, P.
- Hills, Turin (Piedmont), Origin of. *See* Virgilio, F.
- Himalayan Igneous Rocks. *See* McMahon, C. A.
- Trias Fossils. *See* Diener, C.
- Triassic Cephalopoda. *See* Mojsisovics von Mojsvár, E. von.
- Himalayas, Central. *See* Diener, C.
- Hinges, Molluscan. *See* Bernard, F.; *see* Douvillé, H.; *see* Munier-Chalmas, —.
- Hippopotamus*, Allenton (Derbys.), Old River Gravel. *See* Arnold-Bemrose, H. H., & R. M. Deeley.
- in Tuffs, Condeixa (Portugal). *See* Choffat, P.
- Hippotherium*. *See* Leidy, J.
- Hippurites*. *See* Douvillé, H.; *see* Futterer, K.
- Hippurites*-beds, France, Tyrol, Austria, &c. *See* Douvillé, H.
- Hirschberg a. d. Saale (Reuss). *See* Zimmermann, E.
- Hitchin (Herts). *See* Hill, W., &c.
- Hodgkinson Goldfield (Queensland). *See* Jack, R. L.
- Hærnesia*. *See* Bittner, A.
- Hoferia*. *See* Bittner, A.
- 'Højfjeldskvarts.' *See* Björlykke, K. O.; *see* Brøgger, W. C.
- Holasaphus*. *See* Matthew, G. F.
- Holderness, Interglacial Gravels. *See* Sheppard, T.
- Holcotypus*. *See* Bizet, T.
- Holland, Fauna of Sedimentary Diluvial Pebbles. *See* Krause, G.
- , Geological Maps. *See* Schroeder van der Kolk, J. L. C.
- , Peat Deposits. *See* Bemmelen, J. M. van.
- , Pliocene. *See* Harmer, F. W.
- , Quaternary Sand-dunes. *See* Schroeder van der Kolk, J. L. C.
- Holocrinus*. *See* Könen, A. von.
- Holocystites*. *See* Miller, S. A., &c.
- Holopea*. *See* Miller, S. A., &c.
- Holopella*. *See* Whidborne, G. F.
- Holoptychius*. *See* Traquair, R. H.
- Homogeneous Structures & Crystals. *See* Barlow, W.
- Homolopsis*. *See* Woodward, H.
- Homosteus*. *See* Traquair, R. H.
- Honan (China). *See* Steuer, A.
- Hook of Holland, Quaternary. *See* Schroeder van der Kolk, J. L. C.
- Hoplites*. *See* Newton, R. B.
- Hoplophoneus*. *See* Adams, G. I.
- Horiadacna*. *See* Stefanescu, S.
- Horiostoma*. *See* Barrois, C.
- Horn Expedition to Central Australia. *See* Tate, R., &c.
- Hornblende. *See* Adams, F. D., & B. J. Harrington.
- , Magmatic Alteration of. *See* Washington, H. S.
- Rocks, Lizard (Cornwall). *See* Bonney, T. G.
- Schists, West of England. *See* Hunt, A. R.
- Horns, Mammalian. *See* Lataste, F.
- Hornstone. *See* Bauer, M.
- Horrköping, Wermland (Sweden), Minerals. *See* Igelström, L. J.
- Horse, Interglacial. *See* Dames, W.
- 'Horsebacks.' *See* Crane, W. R.
- Horses, White River Beds (Dakota, &c.). *See* Farr, M. S.
- Hortonolite. *See* Penfield, S. L., & E. H. Forbes.
- Hot Springs and the Locris Earthquake (Greece). *See* Dambergis, A. K.
- , Central America. *See* Sapper, C.
- , Gerez (Portugal). *See* Choffat, P.
- , Hérault. *See* Rouville, P. G. de.
- , Tuscany. *See* Lotti, B.
- , Vignoni (Siena). *See* Lotti, B.

- Hot Springs, Wiesbaden (Nassau). *See* Fresenius, R.
- Howth (Co. Dublin), Cambrian *Pucksia*. *See* Sollas, W. J.
- Hoxne (Suffolk) Arctic & Palæolithic Deposits. *See* Reid, C., & H. N. Ridley.
- (—), Glacial Deposits. *See* Reid, C.
- Hoyoux Valley (Belgium), Water-supply. *See* Van den Broeck, E.
- Huanchaca (Bolivia). *See* Gmehling, A.
- Hudson Bay (Canada), Rising of the Land. *See* Bell, R.; *see* Tyrrell, J. B.
- Huelva (Spain) Copper Ore Deposits. *See* Courtenay, C. F.
- Huitzoco (Mexico), Quicksilver Mines. *See* Halse, E.
- Hullite, Tertiary. *See* Sollas, W. J.
- Humite. *See* Barlow, W.; *see* Lewis, W. J.
- Hundés (Central Himalayas). *See* Diener, C.
- Hungarian & Chilian Eruptive Rocks. *See* Mörické, W.
- Gold Deposits. *See* Szokol, P.
- Mineral Water. *See* Ilosvay, L. von.
- Mineral Waters. *See* Traxler, L.
- Mining Exhibition. *See* Beyschlag, F.
- Rocks & Minerals, Analyses. *See* Kalcscsinsky, A. von.
- Hungary, Agronomic Geology. *See* Inkey, B. von; *see* Treitz, P.
- , Borings. *See* Inkey, B. von.
- , Coal. *See* Anon., 3.
- , Geological Survey. *See* Böckh, J.
- , Underground Geology. *See* Staub, M.
- Hupe (China). *See* Steuer, A.
- Hütteldorf (Lower Austria). *See* Redlich, K. A.
- Hüttenrode (Harz). *See* Koch, M.
- Hyacinth (Quartz) from Gypsum near Jena. *See* Zschimmer, E.
- Hyænidæ. *See* Grevé, C.
- Hyalite. *See* Kunz, G. F.
- Hyalostelia*. *See* Clarke, J. M.
- Hybodus*. *See* Fraas, E.
- Hydatina*, Jurassic. *See* Cossmann, M.
- Hydrargillite. *See* Schulten, A. de.
- Hydrobia*. *See* Stefanescu, S.
- Hydrogen in Granite. *See* Tilden, W. A.
- Hydrography, United States. *See* Newell, F. H.
- Hydrology. *See* François, C.
- , Bosnia and Herzegovina. *See* Kraus, F.
- , Hoyoux Valley. *See* Van den Broeck, E.
- of Belgian Rock-basins. *See* Verstraeten, T.
- *See* Water-supply.
- Hydrowillemite. *See* Ingalls, W. R.
- Hyena, Port Kennedy (Pa.), Fissure. *See* Cope, E. D.
- Hverfjäll Crater, Iceland. *See* Grossmann, K.
- Hylerpeton*. *See* Dawson, Sir J. W.
- Hylonomus*. *See* Dawson, Sir J. W.
- Hymenophyllites*. *See* Renault, B.
- Hyolithes*. *See* Matthew, G. F.
- Hyperodonta. *See* Moreno, F. P.
- Hypersthene. *See* Bauer, M.
- Hypocormus*. *See* Woodward, A. S.
- Hypogenic Rocks. *See* Igneous Rocks.
- Hypolithus*. *See* Clarke, J. M.
- Hypopnous*. *See* Cope, E. D.
- Hypostome*. *See* Bergeron, J.
- Hypotemnodon*. *See* Eyerman, J.
- from John Day Miocene (Or.). *See* Eyerman, J.
- Hypsilophodon*. *See* Marsh, O. C.
- Hysteromorphous Auriferous Deposits, New Zealand. *See* Gordon, H. A.
- Hystrix*. *See* Nehring, A.
- Ibarra (Ecuador), Volcanic Rocks. *See* Reiss, W., &c.
- Ibex and Glacial Period. *See* Reichenau, W. von.
- Ibrantelly (Basses-Pyrénées), Carboniferous Plants. *See* Zeiller, R.
- Ice-Action, Penbrokeshire. *See* Hicks, H.
- Ice Age. *See* Manson, M.; *see* Marchi, L.; *see* Upham, W.
- , Future. *See* Taber, C. A. M.
- and Lakes. *See* Pilgrim, —.
- Ice-Avalanche, Gemmi Pass (Bernese Oberland). *See* Knox, H. V.; *see* Preller, C. S. Du R.
- Ice, Erosive Action. *See* Culver, G. E.
- Motion. *See* Case, E. C.
- Ice-raft Action. *See* Hill, E.
- Ice-work. *See* Bonney, T. G.
- Iceland, Earthquakes. *See* Stefansson, J.
- , Glaciation. *See* Grossmann, K.
- , Hverfjäll Crater. *See* Grossmann, K.
- (North-western and South-eastern). Thoroddsen, T.
- , Volcanic Action in. *See* Geikie, Sir A.
- Ichthyosaurus*. *See* Dames, W.; *see* Philippi, R. A.
- , Lower Penarth Lias. *See* Howard, F. T.
- Icticyon*. *See* Winge, H.
- Idaho (U.S.A.), Bear River Formation. *See* White, C. A.
- (—), Building Stones. *See* Day, W. C.
- (—), Coal. *See* Eldridge, G. H.
- (—), Copper Ores. *See* Kirchoff, C.
- (—), Geological Surveys. *See* Klittke, M.
- (—), Gold and Silver. *See* Eldridge, G. H.
- (—) Igneous Rocks. *See* Idings, J. P.

- Idaho (U.S.A.), Sedimentary and Eruptive Rocks. *See* Eldridge, G. H.
- (—), Water Supply. *See* Newell, F. H.
- Idice Valley (Bologna) Tortonian Molusca. *See* Sangiorgi, D.
- Igneous Intrusions. *See* Russell, I. C.
- Orthoclase Rocks. *See* Lawson, A. C.
- Rock, Algerian. *See* Gentil, L.
- —, Eastern Scotland. *See* Horne, J., & E. Greenly.
- —, Metamorphism. *See* Smyth, C. H., Jun.
- —, Nomenclature, Western Alps. *See* Novarese, V.
- —, Norwegian. *See* Kjerulf, T.
- Rocks. *See also* Eruptive and Volcanic Rocks.
- —, *See* Chelussi, I.; *see* Duparc, L.; *see* Harker, A.; *see* Marr, J. E.; *see* Pirsson, L. V.; *see* Rosenbusch, H.
- —, Alabama. *See* Smith, E. A., &c.
- —, Antarctic. *See* David, T. W. E., &c.; *see* Borchgrevink, C. E.; *see* Bruce, W. S.; *see* Donald, C. W.
- —, Apache Mts. (Tex.). *See* Osann, A.
- —, Arctic. *See* Feilden, H. W., & T. G. Bonney.
- —, Baltic Post-Archæan. *See* Andersson, J. G.
- —, Bearpaw Mts. (Montana). *See* Weed, W. H., & L. V. Pirsson.
- —, Bedford (N.Y.). *See* Luqueur, L. McL., & H. Ries.
- —, Bilin (Bohemia). *See* Pelikan, A.
- —, Bohemia. *See* Rosiwal, A.
- —, British Columbia. *See* Ferrier, W. F.
- —, Brünn (Moravia). *See* Tausch, L. von.
- —, Carnic Alps. *See* Rosiwal, A.
- —, Caucasus (Russia). *See* Dingelstedt, V.; *see* Inostranzev, A., &c.
- —, Charnwood Forest (Leicester). *See* Watts, W. W.
- —, Chile. *See* Möricke, W.
- —, Columbretes (Gulf of Alicante). *See* Becke, F.
- —, Cornish. *See* Bonney, T. G.
- —, Cuban. *See* Adán de Yarza, R.
- —, Dartmoor (Devon). *See* Busz, K.
- —, Dolgelly (Merioneth). *See* Lake, P., & S. H. Reynolds.
- —, East Central Alps. *See* Weinschenk, E.
- —, East of Pelvoux Massif (Isère). *See* Termier, L.
- —, Elba. *See* Matteucci, R. V.
- —, Finland. *See* Hackman, V.
- Igneous Rocks, France. *See* Michel-Lévy, A.
- —, France. *See* France, Geological Survey.
- —, Germanasca Valley (Piedmont). *See* Novarese, V.
- —, Giridih Coalfield (Bengal). *See* Holland, T. H.
- —, Grange Hill (Kildare). *See* Reynolds, S. H., & C. I. Gardiner.
- —, Harz. *See* Koch, M.
- —, Himalayan. *See* McMahon, C. A.
- —, Hungarian. *See* Szadeczky, J.
- —, Idaho, Montana, and Wyoming. *See* Iddings, J. P.
- —, Indian. *See* McMahon, C. A.
- —, Italian. *See* Washington, H. S.
- —, Kermadec Islands. *See* Speight, R.
- —, Kildare (Ireland). *See* Reynolds, S. H., & C. I. Gardiner.
- —, Lake Superior. *See* Winchell, N. H., & U. S. Grant.
- —, Lausitz (Saxony). *See* Krusch, P.
- —, Lombard Alps. *See* Grubermann, U.
- —, Lower Austrian Erratic. *See* König, A.
- —, Maryland (U.S.A.). *See* Keyes, C. R., &c.
- —, Moluccas. *See* Schroeder van der Kolk, J. L. C.
- —, Mont Blanc (Haute-Savoie). *See* Duparc, L., & L. Mrazec; *see* Graeff, F.
- —, Moravian. *See* Rosiwal, A.
- —, Natural History of. *See* Harker, A.
- —, N.E. Scotland. *See* Hinxman, L. W., & J. J. H. Teall.
- —, Northumberland. *See* Gunn, W., &c.
- —, Norwegian. *See* Kjerulf, T.; *see* Reusch, H.
- —, Pennsylvanian. *See* Bascom, Florence.
- —, Pyrenees. *See* Carez, L.
- —, Rongstock (Bohemia). *See* Hibsich, J. E.
- —, Salem (Madras). *See* Middlemiss, C. S.
- —, Salt Lake, &c. (Utah). *See* Neal, W. D.
- —, Sardinia, &c. *See* Lovisato, D.
- —, Southern Portugal. *See* Kraatz-Koschlan, K. von, &c.
- —, Spanish. *See* Mallada, L.
- —, Styria. *See* Bauer, K.; *see* Doelter, C.; *see* Ippen, J. A.; *see* Sigmund, A.
- —, Sweden. *See* Winge, K.
- —, Tochi Valley (Waziristan). *See* Hayden, H. H.

- Igneous Rocks, Tuscany, &c. *See* Franchi, S.
 —, West of England. *See* Hunt, A. R.
 —, Yellowstone National Park (U.S.A.). *See* Hague, A.; *see* Iddings, J. P.
Iguanodon. *See* Lucas, F. A.; *see* Marsh, O. C.; *see* Woodward, H. 'Igues.' *See* Caverns.
 Ilfracombe (Devon). *See* Hicks, H.
Illanus. *See* Reed, F. R. C.
 Illinois, Building Stones. *See* Day, W. C.
 —, Carboniferous Fishes. *See* Eastman, C. R.
 —, Coal. *See* Parker, E. W.
 —, Geological Surveys. *See* Klittke, M.; *see* Worthen, A. H., &c.
 —, Geology and Palæontology. *See* Worthen, A. H., &c.
 —, Natural Gas. *See* Weeks, J. D.
 —, Palæozoic Crinoids. *See* Miller, A. S., & W. F. E. Gurley.
 —, Petroleum. *See* Weeks, J. D.
 —, Pleistocene Deposits. *See* Hershey, O. H.
 —, Preglacial Erosion Cycles. *See* Hershey, O. H.
 —, Salt. *See* Parker, E. W.
 Ilmenite. *See* Liversidge, A.
 Ilminster (Somerset) Liassic Fishes. *See* Woodward, A. S.
 'Imatra.' *See* Holroyd, W. F., & J. Barnes.
 Imming (Tyrol). *See* Blaas, J.
 Implements, Somaliland Palæolithic. *See* Evans, Sir J.
 —, Stone. *See* Evans, Sir J.
 Inclusions, Aragonite Liquid. *See* Lotti, B.
 — in Garnets. *See* Holland, T. H.
 —, Maryland Granite. *See* Keyes, C. R.
 Increase in Temperature in Deep Shafts. *See* Brough, B. H.
 India. *See* King, W., &c.
 —, Central Himalayan Sedimentary Deposits. *See* Diener, C.
 —, Earthquakes. *See* Montessus de Ballore, F. de.
 —, Geological Survey. *See* Griesbach, C. L.
 —, Goldfields. *See* Charlton, A. G.
 —, 'Gondwana-land.' *See* Blanford, W. T.
 —, Mines. *See* Grundy, J.
 Indian Crystalline Rocks. *See* Judd, J. W.
 — Diamonds. *See* Bauer, M.
 — Geology. *See* Hudleston, W. H.; *see* Pedler, A.
 — Igneous Rocks, Tochi Valley (Waziristan). *See* Hayden, H. H.
 — Rocks. *See* McMahon, C. A.
 — Trias. *See* Mojsisovics von Mojsvár, E. von, &c.
 Indian Territory (U.S.A.), Geological Survey. *See* Klittke, M.
 — (—), Coal. *See* Parker, E. W.
 — (—), Petroleum. *See* Weeks, J. D.
 — (—), Water Supply. *See* Newell, F. H.
 Indiana, Building Stones. *See* Day, W. C.
 —, Clays. *See* Blatchley, W. S.
 —, Coal. *See* Parker, E. W.
 —, Geological Surveys. *See* Klittke, M.
 —, Natural Gas. *See* Leach, J. C., &c.; *see* Weeks, J. D.
 —, Petroleum. *See* Weeks, J. D.
 —, Silurian. *See* Foerste, A. F.
 — (Western), Carboniferous Sandstones. *See* Hopkins, T. C.; *see* Kindle, E.
Indianocrinus. *See* Miller, S. A., &c.
 Iudo-China. *See* Petition, A.
Infulaster. *See* Lambert, J.
 Infusorial Earth, U.S.A. *See* Parker, E. W.
 Ingleborough (Yorks), Swallow Hole near. *See* Martel, E. A.
 Inn District of Upper Austria and Bavaria, Tertiary Deposits. *See* Tausch, L. von.
 Innsbruck (Tyrol). *See* Blaas, J.
 Insects. *See* Lydekker, R., &c.; *see* Woodward, H.
 —, Canadian Fossil. *See* Scudder, S. H.
 —, Carboniferous. *See* Scudder, S. H.
 —, Italian Fossil. *See* Capellini, G.
 —, Leda-clays, Ottawa (Ont.). *See* Scudder, S. H.
 Interglacial Boring - Mussel. *See* Jentzsch, A.
 — Deposits, Lombardy. *See* Baltzer, A.
 — Horse. *See* Dames, W.
 Intermittent Springs. *See* Mazauric, F.
 Inverness. *See* Hinxman, L. W., & J. J. H. Teall.
 Iona Erratic with Withamite. *See* Currie, J., Jun.
 Ionian Islands. *See* Stefani, C. de.
 Iowa. *See* Bain, H. F.; *see* Calvin, S.; *see* Gordon, C. H.; *see* Lonsdale, E. H.
 — Building Stones. *See* Bain, H. F.; *see* Day, W. C.
 — Coal. *See* Parker, E. W.
 —, Geological Surveys. *See* Klittke, M.
 — Glacial Deposits. *See* Wilson, A. G.
 — Silurian Fauna. *See* Weller, S., & A. D. Davidson.
 Ireland, Carboniferous Ostracoda. *See* Jones, T. R., & J. W. Kirkby.
 —, Erratic Blocks. *See* Kendall, P. F.
 —, Geological Survey. *See* Geikie, Sir A.

- Ireland, Land Connexions between Gt. Britain and. *See* Kinahan, G. H.
- , Mines. *See* Atkinson, J. B., &c.
- , Mining Industry. *See* Foster, C. Le N.
- (Northern). *See* Cole, G. A. J.
- Irish Caves. *See* Praeger, R. L.
- Iron, Bosnian. *See* Launay, L. de.
- from Titaniferous Sand, New Zealand. *See* Purser, E.
- Gate (Va.), Rich Patch Mountain. *See* Schmitz, E. J.
- , Meteoric. *See* Cohen, E.
- , Mines, Rancié (Ariège). *See* Villot, —.
- , Ore, Alabama. *See* Phillips, W. B.
- , Batowo (St. Petersburg Gov.). *See* Nikitin, S.
- , Dunderland Valley, Rånen Fjord (Nordlands Amt, N. Norway). *See* Vogt, J. H. L.
- , Klagarup (Skåne). *See* Holmström, L.
- , Plant Origin. *See* Molisch, H.
- , Production of the World. *See* Birkinbine, J.
- , Southern Russia. *See* Trausenster, P.
- , Thelemarken (Norway). *See* Vogt, J. H. L.
- , Vålímäki, &c. (Finland). *See* Blankett, H.
- , Ores. *See* Ball, C. N.; *see* Chase, H. S.
- , Canadian. *See* Hoffmann, G. C.
- , Great Britain. *See* Anon., 13; *see* Atkinson, J. B., &c.; *see* Foster, C. Le N.
- , Mexico. *See* Anon., 27.
- , Michigan. *See* Van Hise, C. R., & W. S. Bayley.
- , New York State. *See* Merrill, F. J. H.
- , Nictaux (N.S.). *See* Gilpin, E., Jun.
- , Northern Spanish. *See* Gill, W.
- , Silesian. *See* Rosenberg-Lipinsky, — von.
- , Upper Silesian. *See* Höfer, H.
- , Yarricoya & Jauja (Peru). *See* Latrille, F.
- Ironstone, Midlands Middle Lias. *See* Walford, E. A.
- Irwin's Cave, Port Kennedy (Pa.). *See* Cope, E. D.; *see* Heilprin, A.; *see* Mercer, H. C.
- Isère (France). *See* Bertrand, M.
- (—), Jurassic. *See* Riaz, — de.
- Valley Alluvium. *See* Hollande, —.
- Iserlohn (Westphalia) Water Supply. *See* Stockfleth, —.
- (—), Zinc Ore. *See* Hoffmann, L.
- Ishpeming Formation, Michigan. *See* Van Hise, C. R., &c.
- Islands, Lake *Rälången (Gothland) Floating. *See* Oberg, V.; *see* Sieger, R.; *see* Svedmark, E.
- Isle of Man. *See* Clague, D.
- , Mines. *See* Atkinson, J. B., &c.; *see* Foster, C. Le N.
- (North), Borings for Coal. *See* Todd, J.
- , Volcanic Rocks, &c. *See* Dickson, E., &c.
- Isle of Wight. *See* Herries, R. S., & H. W. Monckton.
- , Cenomanian. *See* Jukes-Browne, A. J., & W. Hill.
- , Post-Pliocene Submergence. *See* Hull, E.
- Ismid (Asia Minor), Trias of Gulf of. *See* Toula, F.
- Isaarca. *See* Tate, R.
- Isocardia. *See* Bizet, P.; *see* Vinassa de Regny, P. E.
- Isochilina. *See* Whidborne, G. F.
- Isopoda. *See* Woodward, H.
- Isostasy. *See* Gravity.
- , *See* Putnam, G. R.; *see* Ransome, F. L.
- Israelite Bay (Western Australia). *See* Brooke, J. P.
- Isteim (S. Baden). *See* Mieg, M.
- Istria, 'Grotte des Serpents,' or 'Kačna Jama.' *See* Marinitsch, J.
- Italy (Central), Volcanoes. *See* Sabatini, V.
- , Hot Springs of Vignoni (Siena). *See* Lotti, B.
- (Northern). *See* Grossmann, K.
- , Petroleum. *See* Weeks, J. D.
- (Southern). *See* Cortese, E.
- (—), Trias of. *See* Lorenzo, G. de; *see* Mojsisovics von Mojsvár, E. von.
- Italian Alps, Fossil Palms. *See* Bureau, E.
- Pliocene Foraminifera. *See* Amicis, G. A. de.
- , Trias. *See* Tommasi, A.
- (South) *Halobia*-limestone. *See* Mojsisovics von Mojsvár, E. von.
- (—) Trias. *See* Lorenzo, G. D.
- Tertiary, Langhian. *See* Stefani, C. de.
- Mollusca. *See* Vinassa de Regny, P. E.
- Volcanic Rocks. *See* Washington, H. S.
- Ivandol (Carniola) Miocene. *See* Hörnes, R.
- Iviza. *See* Nolan, H.
- Jachal (N.W. Argentina) Silurian, Devonian, Carboniferous & *Glossopteris*-Deposit. *See* Bodenbender, G.
- Jadeite. *See* Bauer, M.; *see* Nötling, F.
- Jahár (Central Himalayas). *See* Diener, C.
- Jamesonite. *See* Laspeyres, H., & E. Kayser,

- Jan Mayen. *See* Gratzl, A.
Janira. *See* Tiessen, E.
 Japan, Earthquake & Volcanic Phenomena. *See* Milne, J.
 —, Earthquake Wave. *See* Anon., 22.
 —, Great Seismic Wave. *See* Anon., 26.
 —, Natural Science in. *See* Bather, F. A.
 —, Petroleum. *See* Weeks, J. D.
 —, Vries Volcanic Island. *See* Yamasaki, N.
 Japanese Alps. *See* Weston, W.
 — Coal. *See* Brown, F.
 — Group, Sakhalin Island. *See* Krasnov, —.
 Jarlsberg Amt (Christiania) Soils. *See* Helland, A.
 Jarosite. *See* Hohmann, T.
 Jasper. *See* Bauer, M.
 —, Wyandotte Cave (Ind.). *See* Mercer, H. C.
 Jauja (Chili) Minerals. *See* Latrille, F.
 Java, Petroleum. *See* Weeks, J. D.
 — Pleistocene *Pithecanthropus*. *See* Hull, E.
 —, Tertiary Foraminifera & Mollusca. *See* Martin, K.
 — (West). *See* Fennema, R.; *see* Kock, H. de.
 Jebel Nakûs (Arabia), Wind Erosion. *See* Verworn, M.
 Jefferson Co. (N.Y.). *See* Smyth, C. H., Jun.
 Jemtland (Sweden). *See* Grevillius, A. Y.; *see* Henning, E.; *see* Högbom, A. G.
 Jenolan Caves, Blue Mts. (N.S.W.). *See* Tissandier, A.
 Jermyn Street Museum. *See* Mellin, R., & L. Hoffmann.
 Jersey. *See* Hornell, J.
 — Peat Beds. *See* Dunlop, A.
 Jet. *See* Bauer, M.; *see* Kunz, G. F.
Joannites. *See* Mojsisovics von Mojsvár, E. von.
 Johannesburg (Transvaal). *See* Draper, D.; *see* Frames, M. E.; *see* Kuntz, J.; *see* Launay, L. de; *see* Rait, H. T.; *see* Struben, F. P. T.
 — (—). *See* Auriferous Deposits; *see* Transvaal; *see* Witwatersrand.
 — (—), Plant Remains. *See* Zeiller, R.
 John Day Miocene Mammalia (Oregon). *See* Eyerman, J.
 Joints, Origin of. *See* Van Hise, C. R.
 Joly, Mont (Haute-Savoie). *See* Bertrand, M., & E. Ritter.
 Joux Valley (Vaud), Cenomanian & Gault. *See* Schardt, H.
Jovellania. *See* Barrois, C.; *see* Maurer, F.
 Jovet, Mont (Savoy). *See* Bertrand, N.
 — (—). 'Schistes lustrés' of. *See* Gregory, J. W.
Jovites. *See* Mojsisovics von Mojsvár, E. von.
 Juhnde (Hanover). *See* Könen, A. von.
 Julian Alps. *See* Teller, F.
 Jura. *See* Carez, L.; *see* Delebecque, A.
 —, Bernese. *See* Schardt, H., & E. Baumberger.
 — Erratics. *See* Gander, S.
 — (French) Glaciation. *See* Bourgeat, —.
 — (—) Miocene. *See* Boistel, —.
 — (—) Mollasse. *See* Bourgeat, —.
 — (Southern) Caverns. *See* Corcelle, J.
 —, Tertiary-fringe. *See* Boistel, —.
 —, Texas. *See* Marcou, J.
 Jurassic Age of Wealden Formation. *See* Marsh, O. C.
 —, Alpine. *See* Steinmann, G.
 — Ammonites. *See* Pompeckj, J. F.
 —, Aquitaine (France) Middle. *See* Fournier, A.; *see* Glangeaud, P.; *see* Welsch, J.
 —, Basses-Alpes. *See* Zürcher, P.
 — Brachiopoda. *See* Marshall, J. W. D.
 — Brünn (Moravia). *See* Tausch, L. von.
 — Bryozoa. *See* Gregory, J. W.
 —, Cahors District (Lot). *See* Fournier, E.
 —, Central Apennines. *See* Canavari, M.
 —, Cephalopoda. *See* Buckman, S. S.
 —, Normandy. *See* Brasil, L.
 —, Western Australia. *See* Crick, G. C.
 — Climatic Zones. *See* Ortman, A. E.
 — Deposits, Caucasus (Russia). *See* Inostranzev, A., &c.
 —, Sansan (Charente). *See* Glangeaud, P.; *see* Welsch, J.
 — Fauna, Brianza (Lombardy). *See* Bonarelli, G.
 —, Central Asia. *See* Suess, E., &c.
 —, *Posidonomya alpina*-beds of Sette Comuni (Vicentino). *See* Parona, C. F.
 —, Württemberg. *See* Engel, T.
 — Formation, Atlantic Coast. *See* Marsh, O. C.
 —, French Central Plateau. *See* Glangeaud, P.
 — Gasteropoda. *See* Cossmann, M.; *see* Huddlestone, W. H.
 — Industrial Products. *See* Anon., 13.
 —, Isère (France). *See* Riaz, — de.
 — Lamellibranchiata. *See* Bigot, A.
 — (Middle), North-west France. *See* Bizet, P.
 — Mollusca, Borneo. *See* Vogel, F.
 —, Mont Catogne (Valais). *See* Graeff, F.
 — Nomenclature. *See* Nomenclature.
 — Pebbles, Dutch Diluvial. *See* Krause, G.

- Jurassic Plants, Bornholm (Baltic). *See* Bartholen, C. T.
- Reptiles & Fishes, Poitou (France). *See* Glangeaud, P.
- Reptilia, Calvados. *See* Bigot, A.
- Rocks, Bernese Alps. *See* Queureau, E. C.
- Rocks of England. *See* Woodward, H. B.
- Seas, Aquitaine Basin. *See* Glangeaud, P.
- Shell, Somaliland. *See* Newton, R. B.
- Swabian Ammonites. *See* Pompeckj, J. F.
- — Fishes. *See* Fraas, E.
- , Typical Fossils. *See* Koken, E.
- (Upper), Angoulême (Charente). *See* Glangeaud, P.
- (Upper & Middle), Crémien & Morestel (Isère). *See* Riaz, — de.
- (Upper) Malm. *See* Rollier, L.
- , West French. *See* Glangeaud, P.; *see* Welsch, J.
- Juvavella*. *See* Bittner, A.
- Juvavellina*. *See* Bittner, A.
- Juvavites*. *See* Mojsisovics von Mojsvár, E. von.
- ‘Kačna Jama,’ or ‘Grotte des Serpents,’ Istria. *See* Marinitsch, J.
- Kainach & Drave Valley District (Styria). *See* Dölter, C.
- Kaimite. *See* Tietze, E.
- Kaiseroda (Meiningen) Boring. *See* Frantzen, W.
- Kalinma*. *See* Renault, B.
- Kallwang (Upper Styria) Copper Ore. *See* Vacek, M.
- Kalniušo-Toretzk (Donetz), Carboniferous Deposits. *See* Lebedew, N.
- Kame Areas, Western New York. *See* Fairchild, H. L.
- Kame-Moraine, Rochester (N. Y.). *See* Fairchild, H. L.
- Kamloops (B.C.). *See* Dawson, G. M.
- ‘Kaneelstein.’ *See* Bauer, M.
- Kangasniemi (Finland). *See* Frosterus, B.
- ‘Kanger’ or Moraine Ridges, Riga (Livonia). *See* Doss, B.
- Kansan Drift, Illinois. *See* Hershey, O. H.
- Epoch. *See* Hershey, O. H.
- Kansas. *See* Bailey, E. H. S., &c.; *see* Case, E. C.; *see* Dains, F. B.; *see* Hay, R.; *see* Kner, E. B.; *see* Meade, J. R.; *see* Murphy, E. C.; *see* Price, J. M.; *see* Smith, B. B.
- Building Stones. *See* Day, W. C.
- Coal. *See* Parker, E. W.
- Coal-Measure ‘Horsebacks.’ *See* Crane, W. R.
- Geological Bibliography and Resources. *See* Hay, R.
- — Surveys. *See* Klittke, M.
- Glaciated Area. *See* Swen, E. G.
- Kansas Petroleum and Natural Gas. *See* Weeks, J. D.
- River Valley Sands. *See* Kirk, M. Z.
- Salt. *See* Parker, E. W.
- Water Supply. *See* Hay, R.; *see* Newell, F. H.
- Kansu (China). *See* Steuer, A.
- Kanyapta Valley District (Hungary). *See* Sóbanyi, J.
- Kaolin. *See* Anon., 13.
- , North Carolina. *See* Holmes, J. A.
- Karakorum Pass, Central Asia. *See* Suess, E., &c.
- Karoo Formation, Glaciation in. *See* Schenk, A. J.
- Plants, Johannesburg (Transvaal). *See* Zeiller, R.
- ‘Karrenfelder.’ *See* Eckert, M.
- Karvia (Prov. Åbo, Finland). *See* Sederholm, J. J.
- Karwin-Ostrau Coalfield (Moravia). *See* Andree, T.
- Kashmir. *See* Hudleston, W. H.
- Kecske-mét (Hungary) Boring. *See* Hollós, L.
- Keewatin (Southern Canada). *See* Dowling, D. B.
- Keisley-Limestone Fauna. *See* Reed, F. R. C.
- Kellaways (Wilts). *See* Winwood, H. H., & H. B. Woodward.
- Kellerwald (Nassau) Devonian. *See* Denckmann, A.
- Kemp Valley (Zürich). *See* Bosshard, A.
- Kenilworth (Warwick). *See* Andrews, W.
- Kensworth Hill (Herts) to Totternhoe Knoll (Beds). *See* Anon., 4.
- Kent. *See* Whitaker, W.
- Coalfield. *See* Brady, F., &c.
- *See* Dover.
- Kentucky Asphaltum. *See* Parker, E. W.
- Building Stones. *See* Day, W. C.
- Coal. *See* Parker, E. W.
- Coalfields. *See* MacFarlane, G.
- , Geological Surveys. *See* Klittke, M.
- Petroleum & Natural Gas. *See* Weeks, J. D.
- Kenya, Mount (British East Africa). *See* Gregory, J. W.
- Keokuk Co. (Iowa). *See* Bain, H. F.
- Keri (Zante). *See* Mitzopoulos, K.
- Kerka District (S.W. Hungary). *See* Kerner, F.
- Kermadec Islands. *See* Speight, R.
- Kerosene Shale, New South Wales. *See* Bertrand, C. E.
- Kettengebirge (Zürich). *See* Bosshard, A.
- Keuper, Rowington Railway Section (Warwick). *See* Brodie, P. B.
- , Warwickshire. *See* Brodie, P. B.

- Keweenaw Peninsula, Calumet (Mich.)
Underground Temperature. *See*
Agassiz, A.; *see* Jentzsch, A.
- Kilauea (Hawaii). *See* Anon., 1; *see*
Friedländer, B.
- Kildare Inlier (Ireland). *See* Reynolds,
S. H., & C. I. Gardiner.
- Kildonan (Sutherland). *See* Horne, J.,
& E. Greenly.
- Kimeridge (Dorset). *See* Hudleston,
W. H., &c.
- Clay. *See* Lamplugh, G. W.
- Kimeridgian, Beds above the. *See* Pav-
lov, A. P.
- Echinoderms, Cirin (Ain). *See*
Loriol, P. de.
- Kinbrace (Sutherland). *See* Horne, J.,
& E. Greenly.
- Kirkcudbrightshire (Scotland). *See*
Horne, J., &c.
- Kirktomy (Sutherland). *See* Horne, J.,
& E. Greenly.
- Kisslegg (Württ.) Erratic Block. *See*
Dittus, —.
- Kitchen-midden, Blashenwell (Dorset).
See Reid, C.
- Kladno (Bohemia). *See* Jaroschka, J.
- Klagerup Iron Ore (Skåne). *See* Holm-
ström, L.
- Kleinlinden (Hesse) Devonian Fauna.
See Kayser, E.
- Klerksdorp (Transvaal) Gold Deposits.
See Launay, L. de.
- Klöch (Styria) Basalts. *See* Sigmund,
A.
- Klædenia*. *See* Whidborne, G. F.
- Klotgranit. *See* Bäckstrom, H.
- Knaresborough Dropping Well (Yorks)
Water. *See* Burrell, B. A.
- Knoxville Beds, Pacific Coast. *See*
Stanton, T. W.
- Kobenkamme (Silesia). *See* Althans,
E.
- Kodru-Moma Mts., Arad (Transylvania).
See Pethó, J.
- Kola Peninsula. *See* Feilden, H. W.
- Kolguev Island (Arctic Europe). *See*
Feilden, H. W., & T. G. Bonney.
- Kona Dolomite, Michigan. *See* Van
Hise, C. R., &c.
- Königsberg (E. Prussia) Boring, Diluvial
Shingle. *See* Korn, J.
- Kongsberg (Norway) Silver Ore. *See*
Krusch, P.
- Koralp (Styria). *See* Bauer, K.; *see*
Ippen, J. A.
- Kosova Jama, near Trieste (Austria).
See Marinitsch, J.
- Kousnetzsk (Tomsk). *See* Baikov, A.;
see Vénukov, P.
- Krassó (Transylvania). *See* Halaváts, J.
- Krassó-Szőreny Mountains (Transyl-
vania). *See* Telegd, L. R. von.
- Krithe*. *See* Jones, T. R., &c.
- Krymskoë (Ekaterinoslav). *See* Loutou-
guine, L.
- Kuen-Lun (Central Asia). *See* Suess,
E., &c.
- Kufstein (Tyrol) Water Supply. *See*
Blaas, J.
- 'Kugelgranit.' *See* Bäckstrom, H.
- , Kangasniemi (Finland). *See* Fros-
terus, B.
- Kuma (N.E. Caucasus). *See* Radde, G.,
& E. Koenig.
- Kuna gora, near Pregrada (Croatia). *See*
Kramberger, G.
- Kuolajärvi (Finland). *See* Ramsay, W.,
& E. T. Nyholm.
- (—) Cancrinite - Syenite. *See*
Ramsay, W., & E. T. Nyholm.
- Kurhurbaree Coalfield (Bengal). *See*
Holland, T. H.
- Kvikkjokk Mts. (Sweden) Apatite. *See*
Svenonius, F.
- Kyanite, Manbhum (Bengal). *See*
Warth, H.
- La Bastide, near Camps (Lot). *See*
Toucas, A.
- La Condamine (Hautes-Alpes). *See*
Termier, L.
- La Grive-St.-Alban (Isère). *See* De-
péret, C.
- La Machine (Nièvre). *See* Launay, L.
de.
- La Mouthe (Dordogne) Cave. *See*
Rivière, E.
- La Saubotte (Gironde) Tertiary Fauna.
See Degrange-Touzin, A.
- Labidosaurus*. *See* Cope, E. D.
- Labradorite. *See* Winchell, N. H.
- Lac du Bourget (Savoy), Age of. *See*
Hollande, —.
- Laccolites, Colorado. *See* Gilbert, G. K.
- , L'Esterel, Antibes (Alpes Mari-
times). *See* Michel-Lévy, A.
- Ladak (Tibet). *See* Littledale, St. G.
R.
- Lageniastrum*. *See* Renault, B.
- Lägerdorf (Schleswig-Holstein). *See*
Stolley, E.
- Lagõa Santa (Minas Geraes, Brazil)
Fossil Apes & Carnivora. *See* Winge,
H.
- Laibach (Carniola) Earthquake. *See*
Hörnes, R.; *see* Suess, F. E.
- Lake Agassiz, Glacial. *See* Tyrrell, J. B.;
see Upham, W.
- (Ancient) east of Langfjeldene (S.
Norway). *See* Reusch, H.
- Basins, English Lake District. *See*
Anon., 28; *see* Marr, J. E.
- Deposits, Pianura (Naples) & Melfi
(Basilicata). *See* Johnston-Lavis, H.
J., & E. Flores.
- -Dwellings of Europe. *See* Munro,
R.
- Huron, N. America. *See* Ells, R.
W., & A. E. Barlow.
- -Ice, Formation of Gravel Ridges
by. *See* Feilden, H. W.
- Louise (British Columbia). *See*
Wilcox, W. D.
- Nipissing (Ont.). *See* Winchell, N.
H.

- Lake Superior Copper Ores. *See* Kirchoff, C.
- Iron Ores. *See* Birkinbine, J.
- Organic Markings. *See* Gresley, W. S.
- Region. *See* Herbertson, A. J.
- Basic Massive Rocks. *See* Bayley, W. S.
- Volcanic Ash, North Shore. *See* Winchell, N. H., & U. S. Grant.
- Utopia Outlet Delta (N.B., Canada). *See* Ganong, W. F.
- Lakes. *See* Belloc, E.
- and Ice Age. *See* Pilgrim, —.
- , Coast of Provence, France. *See* Delebecque, A.
- , Les Landes (France). *See* Delebecque, A.
- near Snowdon (Caernarvon). *See* Watts, W. W.
- , Norway. *See* Helland, A.
- , Norwegian Ice-dammed. *See* Reusch, H.
- , North-American. *See* Herbertson, A. J.
- , Swiss. *See* Lubbock, Sir J.
- , Subalpine. *See* Preller, C. S. Du R.
- Lamarck and Lyell. *See* Brooks, W. K.; *see* Cunningham, J. T.
- Lamellibranch Hinges. *See* Bernard, F.; *see* Douvillé, H.; *see* Munier-Chalmas, —.
- Lamellibranchiata. *See* Bernard, F.; *see* Koken, E.
- , Bernese-Jura Oligocene. *See* Kissling, E.
- , Borneo Jurassic. *See* Vogel, F.
- , Callovian. *See* Bizet, P.
- , Carboniferous. *See* Hind, W.
- , Caucasian Cretaceous. *See* Inostranzev, A., &c.
- , Central Australian. *See* Tate, R.
- , Chilian Tertiary. *See* Steinmann, G., &c.
- , Devonian. *See* Beyer, E.; *see* Whidborne, G. F.
- , Devonian of Erbray (Loire-Inférieure). *See* Barrois, C.
- , Eocene. *See* Oppenheim, P.
- , Illinois Fossil. *See* Worthen, A. H., &c.
- in Drift, Moresat (Aberdeen). *See* Sharman, G., & E. T. Newton.
- , Jurassic. *See* Bigot, A.
- , Liassic. *See* Fucini, A.; *see* Levi, G.
- , Miocene, of Bordeaux (Gironde). *See* Cossmann, M.
- , Morphology. *See* Verrill, A. E.
- , North Italian Triassic. *See* Tommasi, A.
- , Nova Scotian Carboniferous. *See* Dawson, Sir J. W.
- , Oligocene. *See* Kissling, E.
- , Pacific Coast Cretaceous. *See* Stanton, T. W.
- Lamellibranchiata, Palaeozoic. *See* Clarke, J. M.; *see* Hicks, H.; *see* Miller, S. A., & W. F. E. Gurley; *see* Whidborne, G. F.
- , Rauracian. *See* Loriol, P. de, & E. Koby.
- , Roumanian Tertiary. *See* Stefanescu, S.
- , St. Cassian (Tyrol) Triassic. *See* Bittner, A.
- , Secondary Rocks of Württemberg. *See* Engel, T.
- , Spanish Cretaceous. *See* Nicklès, R.
- , Tertiary &c. *See* Bittner, A.; *see* Gregorio, Marquis A. de; *see* Oppenheim, P.; *see* Philippi, E.; *see* Vinassa de Regny, P. E.
- , Vancouver (B. C.) Cretaceous. *See* Whiteaves, J. F.
- , Venetian Alps Tertiary. *See* Vinassa de Regny, P. E.
- Laminarites. *See* Fuchs, T.
- Lamna. *See* Priem, F.
- Lampadaster. *See* Lambert, J.
- Lanark Co. (Ont.). *See* Miller, W. G., &c.
- Lanarkshire Coalfield. *See* Anon., 29.
- Lancashire. *See* Dickson, E.
- , *See* Morton, G. F.
- Coalfield. *See* Anon., 30; *see* De Rance, C. E.
- , North-eastern. *See* Anon., 30; *see* Bolton, H.
- Land Connexions between Gt. Britain & Ireland. *See* Kinahan, G. H.
- , Distribution of Carboniferous Period. *See* Bertrand, M.
- Elevation round Hudson's Bay. *See* Bell, R.; *see* Tyrrell, J. B.
- Oscillations, Liverpool (Lancs). *See* Reade, T. M.
- Subsidence, Brüx (Bohemia). *See* Toul, F.
- Landes, Les (France). *See* Durègne, —; *see* Fallot, E.; *see* Reyt, L.; *see* Stuart-Menteth, P. W.
- (—) Lakes. *See* Delebecque, A.
- Landslip, Gohna, in Garhwal (N. India). *See* Glass, J. H.
- Region, Værdalen, east of Trondhjemsfjord (Norway). *See* Helland, A.
- , Sandgate (Kent). *See* Reid, J.
- Landslips. *See* Avalanche.
- , Brazil. *See* Branner, J. C.
- Landskron (Bohemia). *See* Tietze, E.
- Langenaubach (Nassau). *See* Beushausen, L.
- Langenberg (Magdeburg) Upper Chalk. *See* Tiessen, E.
- Langfeldene (Norway), Ancient Lakes. *See* Reusch, H.
- Langhian, Florence (Tuscany). *See* Stefani, C. de; *see* Trabucco, G.
- Langon (Gironde). *See* Degrange-Touzin, A.
- Langres (France), Ancient Straits of. *See* Collot, —; *see* Maison, —.

- Languedoc (France). *See* Carez, L.
 'Lapiez.' *See* Bourgeat, —; *see* Eckert, M.
 Lapis-lazuli. *See* Bauer, M.
 Lapland Diamonds. *See* Bauer, M.
 — (Russian). *See* Feilden, H. W.
 Lappajärvi (Lake), Finland. *See* Hammarström, R.
 Laramie Group. *See* Noguès, A. L.
 Larapintine Series, Central Australia. *See* Tate, R.
Lariosaurus. *See* Boulenger, G. A.
 Larviks Amt (Christiania) Soils. *See* Helland, A.
Laubeia. *See* Bittner, A.
 Laurentian, Canada. *See* Adams, F. D.
 — Lakes (N. Am.), Age of. *See* Upham, W.
 —, North of the St. Lawrence. *See* Ells, R. W., & F. D. Adams.
 — System Dykes, Ontario. *See* Miller, W. G., & R. W. Brock.
 Laurium (Greece). *See* Ochsenius, C.
 — (—) Slag Minerals. *See* Lacroix, A.
Laurus. *See* Ettingshausen, C. Freih. von.
 Lausanne University, Index of Papers. *See* Chuard, E.
 Lausitz (Saxony) Basalt. *See* Krusch, P.
 — (—) Ore Deposits. *See* Rosenberg-Lipinsky, — von.
 Lava Beds, Meriden (Conn.). *See* Davies, W. M.
 Lavacille, near Bassano (Venetia). *See* Gregorio, Marquis A. de.
 Laval Basin (Mayenne) Eruptive and Metamorphic Rocks. *See* Michel-Lévy, A.; *see* Ehlert, P.
 Lawsonite. *See* Ransome, F. L., & C. Palache.
 Lazulite. *See* Bauer, M.
 L'Estérel (Alpes-Maritimes). *See* Michel-Lévy, A.
 L'Eychauda (Hautes-Alpes). *See* Termier, L.
 Lead. *See* Kirchhoff, C.
 —, Argentina. *See* Valentin, J.
 —, Cinque Valli (S. Tyrol). *See* Rosival, A.
 —, Harz (Germany). *See* Lüdecke O.
 — Ore, Baden (Germany). *See* Buchrucker, L.
 — —, Darley Dale (Derbys). *See* Parsons, C. E.
 — —, Great Britain. *See* Anon., 13.
 — —, Missouri. *See* Winslow, A.
 — —, Servia. *See* Launay, L. de.
 — —, Swaledale (Yorks). *See* Bradley, L.
 — —, Upper Silesian. *See* Höfer, H.
 Lebanon (Palestine) Cretaceous Octopus. *See* Woodward, H.
Lecanocrinus. *See* Miller, S. A., &c.
Leda. *See* Bittner, A.
 — —clay, *Beluga* from Montreal (Canada). *See* Dawson, Sir J. W.
 — —, Ottawa (Ont.) Caddis-Fly. *See* Scudder, S. H.
 Leeds Co. (Ont.). *See* Miller, W. G., &c.
Leguminosites. *See* Ettingshausen, C. Freih. von.
 Leicester. *See* Coke, C. E., &c.
 Leicestershire Coalfield. *See* Anon., 31.
 Leigh Creek Coalfield (Central Australia) Plants. *See* Etheridge, R., Jun.
Leioderma. *See* Renault, B.
 Leith Hill (Surrey). *See* Leighton, T.
 Lens (Nord) Carboniferous vertical Tree-trunks. *See* Gosselet, J.
 Lenz District (Grisons). *See* Boehm, J.
 Léognan (Gironde). *See* Degrange-Touzain, A.
 Leopard Rock, Ottawa Co. (Canada). *See* Gordon, C. H.
Leperditia. *See* Jones, T. R., &c.; *see* Maurer, F.
 Lepidesthidae. *See* Jackson, R. T.
Lepidocoleus. *See* Clarke, J. M.
Lepidodendron. *See* Lima, W. de; *see* Potonié, H.; *see* Renault, B.; *see* Zeller, R.
Lepidophloios. *See* Kidston, R.
Lepidopus. *See* Bonomi, I.
Lepidotus. *See* Woodward, A. S.
 Lepini, Monti (Rome). *See* Viola, C.
 Lepontine Alps. *See* Mattiolo, E.
Leptæna. *See* Kayser, E.
Leptagonia. *See* Kayser, E.
Leptodomus. *See* Whidborne, G. F.
Leuciscus. *See* Bonomi, I.
 Leucitic Rocks. *See* Rosenbusch, H.
 — —, Lipari Islands. *See* Bäckstrom, H.
 Leucitite, Origin of Felspar in. *See* Sabatini, V.
 Levantine Fauna, Roumanian. *See* Stefanescu, S.
 Lewes (Sussex) Phosphatic Chalk. *See* Strahan, A., &c.
 'Lezannes.' *See* 'Lapiez.'
 Lherzolite & Contact Phenomenon, Pyrenees. *See* Lacroix, A.
 Lias, Aquitaine (France). *See* Fournier, A.; *see* Glangeaud, P.; *see* Welsch, J.
 — —, Borneo. *See* Krause, P. G.
 — —, Calvados (Normandy). *See* Brasil, L.
 — —, Campiglia marittima (Tuscany). *See* Fucini, A.
 — —, Central Apennine. *See* Bonarelli, G.
 — —, Dundry Hill (Somerset). *See* Buckman, S. S., & E. Wilson.
 — — Fauna, Rossano (Calabria). *See* Greco, B.
 — —, Spezia (Liguria). *See* Fucini, A.
 — —, Tuscany. *See* Levi, G.
 — — Fishes, Swabian. *See* Fraas, E.

- Lias Ironstone, Midlands. *See* Walford, E. A.
 — (Lower), Neuropterous Insect. *See* Woodward, H.
 — (—) Valognes (Normandy). *See* Bigot, A.
 —, Lugon (Vendée). *See* Chartron, —, & J. Welsch.
 —, Monte Albenza (Bergamo). *See* Taramelli, T.
 —, Monte Pisano (Tuscany). *See* Fucini, A.
 —, Northampton. *See* Thompson, B.
 —, Rossano (Calabria). *See* Greco, B.
 —, Tunis. *See* Ficheur, E., & E. Hang.
 —, West Somerset. *See* Winwood, H. H.
 Liassic Ammonites. *See* Pompeckj, J. F.
 — Echinoidea. *See* Gregory, J. W.
 — Embryos of Plesiosaurus. *See* Seeley, H. G.
 — Fauna, Brianza (Lombardy). *See* Bonarelli, G.
 —, Württemberg. *See* Engel, T.
 — Fishes, Ilminster (Somerset). *See* Woodward, A. F.
 — Plants, Normandy. *See* Lignier, O.
 — Plesiosaurs, South German. *See* Dames, W.
 — Reptilia. *See* Andrews, C. W.
 Libau (Courland). *See* Jarintzov, D. T.
 Lichas. *See* Ehlert, D. P.; *see* Reed, F. R. C.
 Liebau (Silesia). *See* Althans, E.
 Liège (Belgium) Minerals in Carboniferous Deposits. *See* Jorissen, A.
 — Coalfield, Upstanding Tree-trunks. *See* Schmitz, G.
 Liesing (Styria). *See* Doll, E.
 'Ligérien,' Eastern Pyrenees. *See* Roussel, J.
 Lignilite. *See* Fuchs, T.
 Lignite Basin, Borgotaro (Emilia). *See* Stefani, G. de.
 —, Kecskemét (Hungary). *See* Hollós, L.
 —, New Zealand. *See* McKay, A.
 Lignites, Chambéry (Savoie) Interglacial. *See* Depéret, C., &c.
 —, Chilian Cretaceous. *See* Nogués, A. L.
 —, Servian. *See* Launay, L. de.
 Liguria (Italy). *See* Trabucco, G.
 —, Pliocene Corals. *See* Osasco, E.
 —, Tertiary Fishes. *See* De Alessandri, G.
 Ligurian Alps. *See* Zaccagna, D.
 Lille (Nord). *See* Michel-Lévy, A.
 — (—), Borings near. *See* Gosselet, J.
 Lima. *See* Bizet, P.; *see* Bittner, A.
 Limagne (Puy-de-Dôme) Borings. *See* Michel-Lévy, A.
 'Limans,' South Russian. *See* Sokolov, N.
 Limax. *See* Fuchs, T.
 Limbourg (Holland) Upper Cretaceous. *See* Rutot, A.
 Limburgite. *See* Rosenbusch, H.
 —, Montpellier (Hérault). *See* Delage, A., & F. Mourgues.
 Limea. *See* Bittner, A.
 Limestone, Belgian Carboniferous. *See* Briart, A.; *see* Dewalque, G.; *see* Dorlodot, H. de.
 —, Bohemian Pleistocene. *See* Jahn, J. J.
 —, Cone-in-Cone Structure. *See* Liveridge, A.
 — Denudation. *See* Eckert, M.
 — Mountains, Alpine. *See* Haug, E.
 — Weathering & Denudation. *See* Bourgeat, —.
 —. *See* Caverns.
 Limestones. *See* Anon., 13; *see* Day, W. C.; *see* Elliott, A. C.
 —, Maltese *Globigerina*-. *See* Cooke, J. H.
 Limnæa. *See* Stefanescu, S.
 Limnæide, Bear River Beds. *See* White, C. A.
 Limnocardium. *See* Stefanescu, S.
 Limoges (Haute-Vienne). *See* Verrier, — Le.
 Limonite. *See* Doll, E.
 Limoptera. *See* Barrois, C.
 Lincolnshire Boulders. *See* Sheppard, T.; *see* Tuckwell, W.
 —, Coal Measures in. *See* Gresley, W. S.
 — Oolite Mollusca. *See* Thompson, B.
 —, Speeton Series of. *See* Lamplugh, G. W.
 Linear Marks in a Sedimentary Rock. *See* Talmage, J. E.
 Lingula. *See* Hicks, H.
 — Flags, Dolgelly (Merioneth). *See* Lake, P., & S. H. Reynolds.
 Lingulella. *See* Matthew, G. F.
 Lingulepis. *See* Matthew, G. F.
 Lingulidæ, Little River Group. *See* Matthew, G. F.
 Lingulobolus. *See* Matthew, G. F.
 Linn Co. (Iowa). *See* Norton, W. H.
 Linnæus's '*Corallia baltica*.' *See* Lindström, G.
 — supposed Discovery of Trilobite Antennæ. *See* Beecher, C. E.
 Linth Valley (Glarus). *See* Preller, C. S. Du R.
 Liopteria. *See* Miller, S. A., &c.
 Lipari Islands. *See* Bergeat, A.
 —, Cavern. *See* Anon., 10.
 —, Leucitic Rocks. *See* Bäckström, H.
 Liparite. *See* Rosenbusch, H.
 Liquid Inclusions, Aragonite. *See* Lotti, B.
 Listracanthus. *See* Bolton, H.

- Lithiophilite. *See* Penfield, S. L., & J. H. Pratt.
- Lithocardium*. *See* Oppenheim, P.
- Lithodomus*. *See* Hind, W.
- Lithoglyphus*. *See* Stefanescu, S.
- Lithothamnium*. *See* Bleicher, —.
- Little Mollington (Cheshire) Striated Surface. *See* Dwerryhouse, A. R.
- Little River Group Fauna. *See* Matthew, G. F.
- Little Rocky Mountains. *See* Weed, W. H., & L. V. Pirsson.
- Littoral Drift. *See* Wheeler, W. H.
- Littorina*. *See* Oppenheim, P.
- Littorina*-marl, South Finland. *See* Berghell, H.
- Liverdun (Meurthe-et-Moselle) Tertiary. *See* Bleicher, —.
- Liverpool (Lancs) Glaciation. *See* Lomas, J.
- (—), Analyses of Triassic Rocks. *See* Dickson, E., & P. Holland.
- (—), Borings in Red Marl near. *See* Morton, G. H.
- (—), Buried River Valley. *See* Reade, T. M.
- (—), Triassic Footprints. *See* Beasley, H. C.
- (—), New Water Supply. *See* Parry, J.
- Livonia (Russia) Drumlins. *See* Doss, B.
- (—) Quaternary Deposits. *See* Lehmann, E.
- Salt Shaft (N.Y.). *See* Hall, J.; *see* Luther, D. D.
- (—), Fossil Fauna. *See* Clarke, J. M.
- Lizard District (Cornwall) Schists. *See* Hunt, A. R.
- (—) Serpentine, &c. *See* Bonney, T. G.
- Llandoverly Beds, Conway (Caernarvon). *See* Elles, G. L., & E. M. R. Wood.
- Llanelly (Caermarthen), South Wales Coalfield. *See* Anon., 18.
- Lobsann (Alsace) Asphalt Deposits. *See* Jasper, —.
- Loch Fyne (Scotland). *See* Argyll, Duke of.
- Loeris, *see* Lokris.
- Loess. *See* Hershey, O. H.; *see* Petz, H. de.
- , Illinois. *See* Hershey, O. H.
- Iron Ore, Klagerup (Skåne). *See* Holmström, L.
- Mammalia, Mosbach (Nassau). *See* Römer, A.
- , North Bohemian. *See* Zahálka, C.
- , Prealpine. *See* Penck, A., & L. du Pasquier.
- , South American. *See* Amgehino, F.
- Log-like Concretions (Dakota). *See* Todd, J. E.
- Loire Coalfield. *See* Gruner, E.
- Lojo Lake (Finland). *See* Boldt, R.
- Lokris (Greece) Earthquake. *See* Dambergis, A. K.; *see* Papavasiliou, S. A.
- Lombard Alps, Igneous Rocks. *See* Grubenmann, U.
- Lombardy, Triassic Reptile. *See* Boulenger, G. A.
- Lomma Clays, Age of (Öre Sound, S. Sweden). *See* De Geer, G.; *see* Holm, G.; *see* Holst, N. O., & J. C. Möberg; *see* Madsen, V.
- London Basin, Phosphate of Lime. *See* Mercey, N. de.
- Water Supply. *See* Frankland, E.
- Lons-le-Saunier (Jura). *See* Delebecque, A.
- Lob Nor (Thian-shan, China). *See* Hedin, Sven.
- Lorelei (Rhine). *See* Fuchs, A.
- Lorraine. *See* Grossouvre, A. de.
- Lothian Coalfield. *See* Anon., 32; *see* Morison, J.
- Louisiana, Geological Surveys. *See* Klittke, M.
- Salt. *See* Parker, E. W.
- Loxonema*. *See* Barrois, C.; *see* Maurer, F.; *see* Whidborne, G. F.
- Lozère Caverns. *See* Barbot, J.
- Lucina*. *See* Clarke, J. M.; *see* Oppenheim, P.
- Luçon (Vendée) Lias. *See* Chartron, —, & — Welsch.
- Lulworth (Dorset). *See* Hudleston, W. H., &c.
- Lüneburg (Schleswig-Holstein). *See* Stolley, E.
- Lunulicardium*. *See* Clarke, J. M.; *see* Miller, S. A.
- Lure Mt. (Basses-Alpes). *See* Kilian, W., &c.
- Lutra*. *See* Winge, H.
- Luz (Hautes-Pyrénées). *See* Carez, L.; *see* Seunes, —.
- Luzenac (Ariège) Talc Quarries. *See* Pillez, L.
- Lydenburg (Transvaal) Gold Deposits. *See* Czynskowski, S.; *see* Kuntz, J.
- (—). *See* Transvaal.
- Lyell and Lamarckism. *See* Brooks, W. K.; *see* Cunningham, J. T.
- Lyginodendron*. *See* Seward, A. C.; *see* Williamson, W. C., & D. H. Scott.
- Lyon (Rhône). *See* David-Martin, —; *see* Depéret, C.
- Lytoceras*. *See* Brasil, L.; *see* Fucini, A.; *see* Pompeckj, J. F.
- Maastrichtian. *See* Rutot, A.
- Macedonia. *See* Hilber, V.
- Macherodus*. *See* Winge, H.
- Macholles (Puy-de-Dôme) Boring. *See* Michel-Lévy, A.
- Macleod's Maidens (Skye) Basalt. *See* Geikie, Sir A.
- Macrocheilus*. *See* Barrois, C.
- Macrochilina*. *See* Whidborne, G. F.
- Macrodon*. *See* Bittner, A.; *see* Miller, S. A., &c.

- Macropus*. See Broom, R.
Macrostachya. See Renault, B.
 Macrura. See Woodward, H.
 Madagascar Cretaceous Echinoderms. See Lambert, J.
 —, Cretaceous Reptilia. See Depéret, C.
 —, Diego Suarez. See Bourgeois, R.
 —, Fossil Birds. See Milne-Edwards, A.
 —, Fossil Monkeys. See Forsyth Major, C. J.; see Lydekker, R.
 Madras Corundum. See Middlemiss, C. S.
 —, Ultra-basic Rocks. See Middlemiss, C. S.
 Madrepোরaria. See Ogilvie, Maria M.
 Madrid (Castile) Meteorite. See Calderon, S.; see Meunier, S.
 Magna, Granitic Contact-Rock. See Lacroix, A.
 Magmas, Eruptive. See Michel-Lévy, A.
 —, Igneous Rock-. See Becke, F.; see Iddings, J. P.
 Magmatic Alteration of Hornblende and Biotite. See Washington, H. S.
 Magnesite. See Lacroix, A.; see Yale, C. G.
 —, Salem (Madras). See Middlemiss, C. S.
 Magnetic Iron in Minette. See Werweke, L. van.
 Magnetite. See Ball, C. N.; see Chase, H. S.; see Doll, E.
 Mahaska Co. (Iowa). See Bain, H. F.
 Maine Building Stones. See Day, W. C.
 —, Geological Surveys. See Klitke, M.
 Majorca. See Nolan, H.
 Malachite. See Bauer, M.; see Hall, E.
 Malacostraca, Palaeozoic. See Woodward, H.
 Malagasy Monkey, Fossil. See Lydekker, R.
 Mälare Valley (Sweden) Quaternary. See Munthe, E.
 Malay Peninsula, Tin. See Rolker, C. M.
 Malham (Yorks) Dry River Bed. See Tate, T.
 Malignite. See Lawson, A. C.
 Malm, Upper Jurassic. See Rollier, L.
 Malmige (Viatka). See Krotov, P.
Malpighiastrum. See Ettingshausen, C. Freih. von.
 Maltese Extinct Dormouse. See Lydekker, R.
 —, *Globigerina* - limestones. See Cooke, J. H.
 —, Miocene Chelonia. See Ristori, G.
 —, Pleistocene Mammalia. See Cooke, J. H.
 —, Tertiary Mollusca. See Gregorio, Marquis A. de.
 Maltesite, East Finland. See Sederholm, J. J.
 Malvern (Worcester) Crystalline Rocks. See Callaway, C.
 Mammalia. See Cope, E. D.; see Hatcher, J. B.; see Lydekker, R.; see Moreno, F. P.; see Woodward, H.
 —, Algerian Quaternary. See Pommel, A.
 —, Ancient Lake Deposits of Pianura (Naples) and Melfi (Basilicata). See Johnston-Lavis, H. J., & E. Flores.
 —, Argentine and Patagonian Fossil. See Ameghino, F.
 —, Bruttelen (Berne) Mollasse. See Studer, T.
 —, Distribution of Fossil. See Grevé, C.; see Nicholson, H.; see Sclater, W. L.
 —, Eocene. See Boule, M.; see Le-moine, V.; see Scott, W. B.
 —, Florida Tertiary. See Leidy, J.
 —, Geography of. See Sclater, W. L.
 —, John Day Miocene (Oregon). See Eyerman, J.
 —, Maltese Pleistocene. See Cooke, J. H.
 —, Mollasse. See Studer, T.
 —, Montredon (Aude) Miocene. See Depéret, C.
 —, Moray Firth Area. See Traquair, R. H.
 —, Oligocene. See Boule, M.
 —, Petite Anse (La.) Pleistocene. See Cope, E. D.
 —, Pleistocene. See Cope, E. D.; see Hutchinson, H. N.; see Lydekker, R.
 —, Pliocene. See Choffat, P.; see Meli, R.
 —, Port Kennedy (Pa.) Fissure. See Cope, E. D.
 —, Puerco Beds (New Mexico). See Osborn, H. F., & C. Earle.
 —, Quaternary, 'Grotte de Montsaunés' (Haute-Garonne). See Harlé, E.
 —, —, of the Prov. of Rome. See Meli, R.
 —, Russian Tertiary. See Pavlov, Marie.
 —, South American Extinct. See Ameghino, F.; see Mercerat, A.
 —, Tertiary. See Capellini, G.; see Hatcher, J. B.
 —, Ungulate. See Fairchild, H. Le R.
 —, Uinta Basin (Utah). See Osborn, H. F.
 Mammalian Horns. See Lataste, F.
 —, Remains, Allenton (Derby) Old River-Gravel. See Arnold-Bemrose, H. H., & R. M. Deeley.
 —, Mosbach (Nassau) Diluvial. See Römer, A.
 Mammoth Cave (Ky.). See Owen, L. A.
 —, Period. See Southall, J. C.
 Man. See Winchell, N. H.
 —, Age of Apparition of. See Southall, J. C.

Man & Apes. *See* Dubois, E.; *see* Marsh, O. C.; *see* Winchell, N. H.
 —, British Columbia Prehistoric. *See* Hill-Tout, E.
 —, Early History. *See* Newton, J.
 —, Eastern Mediterranean Prehistoric. *See* Myres, J. L.
 —, New York Platycenic. *See* Sherzer, W. H.
 —, Ohio Glacial. *See* Claypole, E. W.
 —, Palæolithic. *See* Reid, C.
 —, Prehistoric. *See* Hutchinson, H. N.
 —, Quaternary. *See* Villenoisy, F. de.
 —, Weimar Diluvium (Germany). *See* Nehring, A.
 — (Isle of). *See* Clague, D.; *see* Todd, J.
 — (—) Mines. *See* Atkinson, J. B., &c.; *see* Foster, C. Le N.
 — (—) Volcanic Rocks, &c. *See* Dickson, E., &c.
 Manche (Normandy) Devonian. *See* Bigot, A.
 Mangandalusite, Västana, Christianstad (Sweden). *See* Weibull, M.
 Manganese. *See* Weeks, J. D.
 — Nodules, Marine. *See* Murray, J.
 — Ore. *See* Anon., 13.
 — —, Asturias (Spain). *See* Head, J.
 — —, Graubünden (Grisons). *See* Tarnuzzer, C.
 — —, Southern Russia. *See* Traenster, P.
 — —, Sweden. *See* Anon., 11.
 — —, U.S.A. *See* Weeks, J. D.
 — —, Silesian. *See* Rosenberg-Lipinsky, — von.
 Mangano - Columbite. *See* Foote, H. W.
 Manheim (N.Y.). Alnoite Dykes. *See* Smyth, C. H., Jun.
 Mansfield Sandstone (Ind.). *See* Hopkins, T. C.; *see* Kindle, E.
 Maps, Agronomic. *See* Gosselet, J.

MAPS.

AFRICA.

Africa, German East. $\frac{1}{4,000,000}$ 1896. *See* Stromer von Reichenbach, E. Freih.
 — Iron Ores. 1 inch = 625 miles. 1895. *See* Birkinbine, J.
 — (Northern). Algeria. Constantine (part of). $\frac{1}{400,000}$ 1896. *See* Ficheur, E.
 — (Southern). $\frac{1}{30,000,000}$ 1896. *See* Launay, L. de.
 — (—). 1 inch = 40 miles. 1896. *See* Struben, F. P. T.
 — (—). Dwyka Conglomerate. *See* Draper, D.
 — (—). Great Namaqualand. $\frac{1}{4,000,000}$ 1896. *See* Stromer von Reichenbach, E. Freih.

Africa (Southern). Mashonaland. $\frac{1}{2,361,680}$ 1896. *See* Launay, L. de.
 — (—). Matabeleland Goldfields. 4 inches = 50 miles. 1896. *See* Shaw, F. G.
 — (—). Rhodesia. 1 inch = 107 miles. 1896. *See* Wilkinson, W. F.
 — (—). Transvaal, Johannesburg. 1 inch = 5000 feet. 1896. *See* Launay, L. de.
 — (—). —, Pretoria. $\frac{1}{980,000}$ 1896. *See* Launay, L. de.
 — (—). —, Witwatersrand. $\frac{1}{990,000}$ & $\frac{1}{30,000}$ 1896. *See* Launay, L. de.
 — (—). —, —. Extension of Main Reef West of Witpoortje Farm. *See* Draper, D.; *see* Sawyer, A. R.
 — (Western). Cameroons. $\frac{1}{4,000,000}$ 1896. *See* Stromer von Reichenbach, E. Freih.
 —. Madagascar. Mevarana Dinosaur Beds. 1896. *See* Depéret, C.
 AMERICA.
 America (Central). Yucatán Peninsula. $\frac{1}{500,000}$ & $\frac{1}{1,000,000}$ 1896. *See* Sapper, C.
 — (Northern). Iron Ores. 1 inch = 425 miles. 1895. *See* Birkinbine, J.
 — (Southern). Iron-Ores. 1 inch = 600 miles. 1895. *See* Birkinbine, J.
 — (—). Venezuela (Northern). $\frac{1}{3,000,000}$ 1896. *See* Sievers, W.
 Canada. Geological Survey. Dawson, G. M. (Director). British Columbia, no. 12, Kamloops. $\frac{1}{253,440}$ 1895. *See* Dawson, G. M.
 — —. Finlay and Omenica Rivers. 1 inch = 8 miles. 1895. *See* McConnell, R. G.
 — —. Eastern Townships Map. Province Quebec, S.W. Sheet (Montreal). $\frac{1}{253,440}$ 1895. By Sir W. Logan, R. W. Ells, & F. D. Adams. *See* Ells, R. W.
 — —. New Brunswick (Surface Geology). Sheets 2 S.E., 4 N.W., 5 S.W. $\frac{1}{253,440}$ 1895. *See* Chalmers, R.
 — —. Keewatin. $\frac{1}{506,880}$ 1895. *See* Dowling, D. B.
 — —. —, $\frac{1}{4}$ sheet Map. 1 inch = 4 miles ($\frac{1}{253,440}$).
 2 S.E., Cumberland Coalfield (N.B. &c.) 1895. *See* Chalmers, R.
 4 N.W., Buctouche (N.B.) 1895. *See* Chalmers, R.
 5 S.W., Richibucto (N.B.) 1895. *See* Chalmers, R.
 —. Manitoba (North-western). Various. 1892. *See* Tyrrell, J. B.
 —. Ontario. 1 inch = 110 miles. *See* Merritt, W. H.

- Canada. Ottawa Canal Route. Scale 1 inch = 45 miles. *See* Ells, R. W., & A. E. Barlow.
- , Cuba, Santiago de. $\frac{1}{400,000}$. 1895. *See* Pellitero, V.
- United States. Geological Survey. Geologic Atlas. [Folios 7, 13, & 14, 16-23, 25, $\frac{1}{125,000}$; 15 & 24, $\frac{1}{250,000}$.] *See* Powell, J. W., Walcott, C. D., &c.
7. Pike's Peak (Col.), 1894; & Cripple Creek (Col.), Special Map. $\frac{1}{25,000}$. 1894.
13. Fredericksburg (Va.). 1894.
14. Staunton (Va.). 1894.
15. Lassen Peak (Cal.). 1895.
16. Knoxville (Cal.). 1895.
17. Marysville (Cal.). 1895.
18. Smartsville (Cal.). 1895.
19. Stevenson (Ala.). 1895.
20. Cleveland (Tenn.). 1895.
21. Pikeville (Tenn.). 1895.
22. M^cMinnville (Tenn.). 1895.
23. Nomini Bay (Md. & Va.). 1896.
24. Three Forks (Mont.). 1896.
25. London (Tenn.). 1896.
- , Arkansas, 1 inch = 60 miles. 1896. *See* Branner, J. C.
- , California. Point Sal. $\frac{1}{63,360}$. 1896. *See* Fairbanks, H. W.
- , —, San Francisco Peninsula. $\frac{1}{112,000}$. 1895. *See* Lawson, A. C.
- , Colorado, Cripple Creek District. $\frac{1}{1,000}$. 1895. *See* Cross, W., & R. A. F. Penrose, jun.
- , Georgia Bauxite Deposits. 1 inch = 4½ miles. 1895. *See* Hayes, C. W.
- , Idaho Mining Districts (various). *See* Eldridge, G. H.
- , —, Montana, and Wyoming. $\frac{1}{2,500,000}$. *See* Iddings, J. P.
- , Indiana. Natural Gas Field. 1 inch = 7 miles. 1896. *See* Leach, J. C.
- , — (Western). Sandstone Areas. 1 inch = 31 miles. 1896. *See* Hopkins, T. C.
- , — (—). —. 1 inch = 2 miles. 1896. *See* Kindle, E.
- , Kansas, Shawnee Co. 1896. *See* Smith, B. B.
- , Michigan. Clarksburg District. 5 inches = 1 mile. 1895. *See* Van Hise, C. R., &c.
- , —, Marquette District. 1 inch = 1 mile. 1895. *See* Van Hise, C. R., &c.
- , —, Republic Trough. 1 inch = 3 miles. 1895. *See* Van Hise, C. R., &c.
- , Missouri (South-eastern). 1 inch = 2 miles. 1895. *See* Winslow, A.
- , — (—). Motte Mines. 1 inch = ½ mile. 1896. *See* Winslow, A.
- United States. New York State. 1 inch = 14 miles. 1895. *See* Merrill, F. J. H.
- , — (South-eastern). 1 inch = 5 miles. 1895. *See* Merrill, F. J. H.
- , —, Essex Co., Mineville. About 1 inch = 500 yards. 1895. *See* Merrill, F. J. H., &c.
- , —, —, Moriah & Westport. 1 inch = 1 mile. 1895. *See* Merrill, F. J. H., &c.
- , —, Genesee Valley. 1 inch = 10 miles. 1896. *See* Fairchild, H. Le R.
- , —, Pennsylvania (various). 1895. *See* Lesley, J. P., &c.
- , —, Bucks Co., Yardley Fault. ¾ inch = 1 mile. 1896. *See* Lyman, B. S.
- , —, Monterey District. ¾ inches = 1 mile. *See* Bascom, Florence.
- , — (South-eastern). 1 inch = 17 miles. 1895. *See* Walcott, C. D.
- , Rhode Island. Narragansett Bay. 1 inch = 3½ miles. 1896. *See* Woodward, J. B.
- , —, Utah Mercur Basin. 1 inch = 1500 feet. 1895. *See* Spurr, J. E.
- , —, Quirrh Mts. 1 inch = 2 miles. 1895. *See* Spurr, J. E.
- , Wisconsin. Prairie du Sac. 1895. *See* Lüders, H. F.
- , —, Waterloo Quartzite Boulder Area. *See* Buell, I. M.

ASIA.

- Asiatic Iron-Ores. 1 inch = 650 miles. 1895. *See* Birkinbine, J.
- Himalayas (Central). Johár & Hundé. Scale $\frac{1}{63,360}$. 1895. *See* Diener, C.
- India. Scale 1 inch = 120 miles. 1896. *See* Hudleston, W. H.
- , Geological Survey. 2nd edition. Six Sheets. 1 inch = 32 miles. 1892. *See* King, W., &c.
- , Madras, Salem District. 1 inch = 850 yards. 1896. *See* Middlemiss, C. S.
- , —, —. About 1½ inch = 1 mile. 1896. *See* Middlemiss, C. S.
- Indo-China. $\frac{1}{1,500,000}$. 1895. *See* Petition, A.
- Japan. Geological Survey. Scale $\frac{1}{200,000}$. *See* Kochibe, T., &c.
- Zone 4, Col. III. Kumamoto, by D. Yamashita. 1895.
- Zone 5, Col. IV. Oita, by M. Yamagami. 1896.
- Zone 7, Col. VII. Tokushima, by T. Suzuki. 1895.
- Zone 8, Col. VI. Okayama, by S. Otsuka. 1896.
- Zone 9, Col. VII. Ikuno, by T. Kochibe. 1894.
- Zone 10, Col. VII. Toyooka, by T. Kochibe. 1894.

ASIA.

- Japan. Geol. Surv. (*con.*).
 Zone 11, Col. 3. Oki, by M. Yamagami. 1896.
 Zone 17, Col. XII. Tobishima, by D. Yamashita. 1896.

Tibet. 1896. *See* Littledale, St. G. R.

EUROPE.

Carte géologique internationale de l'Europe. Livr. 1. (A. i.-ii., B. i.-ii., C. iv., D. iv.). $\frac{1}{1,500,000}$. 1894. *See* Beyrich, E., & W. Hauchecorne.

European Iron Ores. 1 inch = 300 miles. 1895. *See* Birkinbine, J.

AUSTRIA-HUNGARY. K. k. geologische Reichsanstalt. Carnic and Julian Alps. [4 sheets.] $\frac{1}{75,000}$. 1895. *See* Teller, F.

— Olmütz. $\frac{1}{75,000}$. *See* Tietze, E.

— Vienna. [6 sheets.] $\frac{1}{75,000}$.

1891. *See* Stur, D.

Bohemia. Geologische Karte. $\frac{1}{300,000}$.

1895. *See* Frič, A., & c.

2. Teplitz-Reichenberg.

3. Eisenbrod-Braunau.

— Tetschen District. $\frac{1}{25,000}$.

1895. *See* Hibscht, J. E.

Hungary. Kanyapta Valley District. $\frac{1}{129,392.5}$. 1896. *See* Sóbanyi, J.

BALEARIC ISLES. 1895. *See* Nolan, H.

ENGLAND (South) and Belgium. 1 inch = 13 miles. 1896. *See* Brady, F.

— (South-eastern). 1 inch = 35 miles. 1896. *See* Strahan, A.

ENGLAND AND WALES. 1 inch = about 90 miles. 1896. *See* Judd, J. W.

— Geological Survey. 1 inch Map. Sheet 105 N.W. (N. S.) Sheet 14.

Morpeth (Northumberland). New edition. Solid and Drift. 1896. *See* Barrow, G., & c.

— — — — — (N. S.) Sheet 232.

Abergavenny. 1896. *See* Dakyns, J. R., & c.

— — — — — (N. S.) Sheet 249.

Newport (Mon.). (Solid and Drift.) 1895. *See* Strahan, A., & c.

— — — — — (N. S.) Sheet 342.

Weymouth (Drift). *See* Reid, C., & c.

— — — — — Index Map. (4 miles = 1 inch).

Sheet 7. North-west Wales. *See* Geikie, Sir A., & c.

Sheet 8. N. Wales and Midlands. 1896.

Sheet 10. S. Wales, N. Devon, & c. 1896.

Sheet 11. Including Reading to Cardiff and Winchester to Gloucester. 1895.

EUROPE.

England and Wales. Geol. Surv. (*con.*). Sheet 12. South-east England. 1895. *See* Geikie, Sir A., & c.

— — — — — [Lithographed].

— — — — — Distribution of Jurassic Rocks. 1 inch = 20 miles. 1895.

See Woodward, H. B.

— Allenton (Derby). $\frac{1}{21,130}$. 1896.

See Arnold-Bemrose, H. H., & c.

— Barry (Glam.). $\frac{1}{31,680}$. 1896.

See Strahan, A., & c.

— Caermarthen. $\frac{1}{63,360}$. 1896. *See* Crosfield, M. C., & E. G. Skeat.

— Conway District (Caernarvon). 1 inch = 430 feet. *See* Elles, G. L., & E. M. R. Wood.

— Devon and Cornwall. 1 inch = 4 miles. 1896. *See* Hinde, G. J., & c.

— Devon (North) and West Somerset. 1 inch = 2 miles. *See* Hicks, H.

— Dolgelly (Merioneth). $\frac{1}{22,110}$. 1896. *See* Lake, P., & c.

— East Anglia. 1 inch = 4 miles. 1896. *See* Harmer, F. W.

— East Anglian and Dutch Pliocene. 1 inch = 80 miles. 1896. *See* Harmer, F. W.

— Hampshire, Otterbourne, and Winchester. $\frac{1}{63,360}$. 1896. *See* Matthews, W.

— Lake District. 1 inch = 4 miles. 1896. *See* Marr, J. E.

— Norfolk Soils. 1896. *See* Cruttwell, C. T.

— Nottinghamshire Coalfield. 1 inch = 3 miles. 1896. *See* Coke, G. E.

— Somerset, Dundry Hill. 1 inch = 1 mile. 1896. *See* Buckman, S. S., & c.

— Tyne District (Northumb.). 1 inch = 2½ miles. 1896. *See* Gallaway, R. L.

— Wales. Skomer Island, St. Bride's Bay. 2 inches = 1 mile. 1896. *See* Howard, F. T., & c.

— Yorkshire and Lincolnshire Wolds. 1 inch = 18 miles. *See* Lamplugh, G. W.

FINLAND.

Finlands geologiska Undersökning. $\frac{1}{200,000}$.

27. Fredrikshamn. 1895. *See* Möberg, K. A.

28. Säkijärvi. 1896. *See* Berg-hell, H., & c.

29. Lavansaari. 1896. *See* Berg-hell, H.

30 & 31. Raivola & Systerback. *See* Sederholm, J. J.

Björkö to Systerback. $\frac{1}{400,000}$. 1896.

See Theslev, A.

Lappajärvi (Lake). $\frac{1}{100,000}$. 1896. *See* Hammarström, R.

FINLAND.

- Lojo Lake. $\frac{1}{350,000}$. 1896. *See* Boldt, R.
 (Southern). Scale $\frac{1}{400,000}$. 1896. *See* Berghell, H.
 (—). 1 inch=33 miles. 1896.
See Ramsay, W.

FRANCE.

- Services de la Carte géologique. Carte géologique détaillée de la France. $\frac{1}{80,000}$. *See* Michel-Lévy, A. (Directeur), &c.
 5. Lille. 2nd edition. 1896. Par J. Gosselet, &c.
 17. Cherbourg, par L. Lecornu. 1895.
 75. Rennes, par C. Barrois & P. Lebesconte. 1895.
 91. Château-Gontier, par L. Bureau & D. P. Ehler. 1896.
 112. Dijon (Côte d'Or), par — Collot. 1896.
 118. Cholet, par L. Bochet, &c. 1896.
 153. St. Jean d'Angély, par A. Boissellier. 1895.
 157. Gannat, par L. de Launay. 1896.
 179. St. Jean de Maurienne, par — Potier, M. Bertrand, P. Termier, W. Kilian, & A. Offret.
 179 bis. Bonneval, par M. Bertrand.
 224. Castellane (Basses - Alpes), par P. Zürcher, &c. 1896.
 Basses - Alpes. Castellane District. $\frac{1}{400,000}$ & $\frac{1}{200,000}$. 1895. *See* Zürcher, P.

- Central Plateau. 1895. *See* Launay, L. de.
 Hautes-Alpes. $\frac{1}{330,200}$. 1896. *See* Lory, P.
 Nièvre. Saint-Saulge, &c. $\frac{1}{200,000}$. 1895. *See* Launay, L. de.
 Pyrenees. *See* Roussel, J.
 Savoy (Mont Jovet). $\frac{1}{80,000}$. *See* Gregory, J. W.
 Var & Southern Bouches-du-Rhône [Marseilles]. 1 inch=12 miles. *See* Vasseur, G., & E. Fournier.

GERMANY.

- Geologische Karte des deutschen Reichs. $\frac{1}{50,000}$. 1896. *See* Lepsius, R.
 6. Emden.
 7. Hamburg.
 13. Hanover.
 14. Berlin.
 Baden. Württemberg. $\frac{1}{1,000,000}$. 1896. *See* Engel, T.
 Harz. Hüttenrode, &c. $\frac{1}{10,000}$ & $\frac{1}{12,000}$. 1895. *See* Koch, M.
 Prussia. Posen. $\frac{1}{600,000}$. 1895. *See* Berendt, G., &c.
 Rhinish Westphalia. Ruhr Coalfield. $\frac{1}{45,000}$. 1896. *See* Schulz-Briesen, M.

GERMANY.

- Saxony. Geologische Specialkarte. $\frac{1}{25,000}$.
 56. Löbau-Reichenbach. 1895. *See* Hazard, J.
 85. Sebnitz-Kirmitzschthal. 1895. *See* Beck, R.
 87. Rumburg-Seifhennersdorf. 1895. *See* Hazard, J.
 88. Zittau-Oderwitz. 1895. *See* Siegert, T.
 104. Grosser Winterberg-Tetschen. 1895. *See* Beck, R., & J. Hibsich.
 —. Lausitz. $\frac{1}{100,000}$. 1895. *See* Krusch, P.
 Silesia. Glatz. $\frac{1}{50,000}$. 1895. *See* Dathe, E.
 — (Upper). $\frac{1}{50,000}$. 1896. *See* Gaebler, C.
 — (—). $\frac{1}{100,000}$. 1896. *See* Gaebler, C.

IRELAND.

- Kildare Inlier. 1 inch=1 mile, & 3 inches=1 mile. 1896. *See* Reynolds, S. H., & C. I. Gardiner.

ITALY.

- Reale Comitato geologico d'Italia.
 Calabria. $\frac{1}{500,000}$. 1895. *See* Cortese, E.
 Emilia. Barigazzo. $\frac{1}{25,000}$. 1896. *See* Lotti, B.
 —. Borgotaro. $\frac{1}{100,000}$. 1895. *See* Stefani, G. de.
 Piedmont. Dora Riparia Valley. Scale $\frac{1}{300,000}$. 1896. *See* Olivero, E.

NORWAY.

- Aas. $\frac{1}{6,000}$. 1895. *See* Jonsson, J.
 Kongsberg. $\frac{1}{66,667}$. 1896. *See* Krusch, P.
 (Southern): Telemarken Numedal, Hallingdal. $\frac{1}{800,000}$. 1896. *See* Reusch, H.
 Harmor (N. of Lake Fæmund). $\frac{1}{300,000}$. 1896. *See* Reusch, H.
 Nordlands Amt, Dunderland Valley, Rauen Fjord. $\frac{1}{80,000}$. 1894. *See* Vogt, J. H. L.
 Trondhjem. Namdal. $\frac{1}{400,000}$. 1895. *See* Rektstad, J.

PORTUGAL.

- Alemtejo. Mt. Ordem. $\frac{1}{80,000}$. 1896. *See* Lima, W. de.

RUSSIA.

- Comité géologique. General Map, Sheet 72. Vladimir, &c. $\frac{1}{420,000}$. 1896. *See* Sibirzev, N.
 Sheet 89. Viatka Gov. (Russia), Western part. 1 inch=10 versts. 1894. *See* Krotov, P.
 Russia (South). Estuaries of the Dniepr, Bug, & Beresan. 1 inch=10 versts. 1895. *See* Sokolov, N.

RUSSIA.

- Caucasus. 1 inch=5 versts. 1896.
See Inostranzev, A., &c.
 Iss Valley (Perm). 1896. *See* Bour-
 dakov, V. J., & J. M. Hendrikhov.
 Livonia. Wenden. $\frac{1}{200,000}$. 1896. *See*
 Doss, B.

SCOTLAND.

- Skye. Strath. $\frac{1}{21,120}$. 1896. *See*
 Harker, A.

SPAIN.

- Albarracin district (Teruel). $\frac{1}{200,000}$.
See Calvo, L.
 Alicante. Callosa de Ensarria. $\frac{1}{100,000}$.
 1895. *See* Nicklès, R.
 —. Sierra de Foncalent. $\frac{1}{50,000}$. 1895.
See Nicklès, R.
 —. Sierra de Mariola. $\frac{1}{120,000}$.
 1895. *See* Nicklès, R.

SWEDEN.

- Sveriges geologiska Undersökning.
 Alnö Island. $\frac{1}{40,000}$. 1895. *See*
 Högbom, A. G.
 —. Blekinge and Schonen. $\frac{1}{250,000}$.
 1896. *See* Möberg, J. C.
 —. Gefleborg. $\frac{1}{10,000}$. 1895. *See*
 Blomberg, A.
 —. Grisslehamn. $\frac{1}{50,000}$. 1895.
See Erdmann, E.
 —. Jemtland. $\frac{1}{500,000}$. 1894. *See*
 Högbom, A. G.
 —. Kristianstad & Malmöhus.
 $\frac{1}{800,000}$. 1894. *See* Svedmark, E.
 —. Kviksjök. $\frac{1}{200,000}$. 1895. *See*
 Svenonius, F.
 —. Lomma (Malmöhus). $\frac{1}{50,000}$.
 1895. *See* Holst, N. O., & J. C.
 Möberg.
 —. Orsa. $\frac{1}{250,000}$. 1895. *See* Sved-
 mark, E.
 —. Resor. $\frac{1}{500,000}$. 1895. *See*
 Svedmark, E.
 —. Sandhammaren. $\frac{1}{50,000}$. 1895.
See Möberg, J. C.
 —. Skanör. $\frac{1}{50,000}$. 1895. *See*
 Holst, N. O.
 —. Vittsjö. $\frac{1}{50,000}$. 1895. *See*
 Blomberg, A.
 —. (Southern) Apatite Region.
 $\frac{1}{3,500,000}$. 1896. *See* Andersson, J.
 G.

SWITZERLAND.

- Glarus, &c. Cretaceous District north
 of Klön Valley. $\frac{1}{50,000}$. 1896. *See*
 Burckhardt, C.
 Valais. Mont Catogne. $\frac{1}{50,000}$. 1896.
See Graeff, F.

AUSTRALIA.

- Australia (6 sheets). 1 inch=50 miles.
 1887. *See* Everett, A.
 New South Wales. Ashford Coalfield,
 Arrawatta Co. $\frac{1}{63,360}$. *See* Pittman,
 E. F.

AUSTRALIA.

- New South Wales. Berthong, Bland
 Co. 1 inch=100 chains. 1896. *See*
 Jaquet, J. B.
 —. (near Wallendbeen). $\frac{1}{63,360}$.
 1896. *See* Jaquet, J. B.
 —. Bywong. $\frac{1}{63,360}$. 1896. *See*
 Carne, J. E.
 —. Crow Mountain (near Barraba).
 $\frac{1}{63,360}$. 1896. *See* Stonier, G. A.
 —. Gundagai. $\frac{1}{233,440}$. 1896. *See*
 Carne, J. E.
 —. Narrabri-Moree Country. $\frac{1}{1,500,800}$.
 1896. *See* Pittman, E. F.
 Victoria. Ballarat. 1896. *See* Babu, L.
 —. Bendigo. 1896. *See* Babu, L.
 Western Australian Goldfields.
 1 inch = 175 miles. 1896. *See*
 Schmeisser, C.

BATAVIA.

- Gunung Salak. $\frac{1}{40,000}$ and $\frac{1}{500,000}$. 1896.
See Wichmann, A.
 Java (West) 'Galoenggoeng.' $\frac{1}{100,000}$.
 1895. *See* Fennema, R.

NEW ZEALAND.

- Hauraki District. 1 inch=26,000 feet.
 1896. *See* Cadell, H. M.

OCEANICA. Iron Ores. 1 inch=700
miles. 1895. *See* Birkinbine, J.

- Marble. *See* Anon., 13; *see* Day, W. C.
 —, Auerbach (Hesse Darmstadt).
See Chelius, C.; *see* Hoffmann, L.
 —, Monte Pisano (Tuscany), Liassic
 White Statuary. *See* Fucini, A.
 Marbles, Onyx. *See* Courtenay, —; *see*
 Kalb, C. de; *see* Merrill, G. P.
 Marginella. *See* Oppenheim, P.
 Marginulina. *See* Jones, T. R.
 Marine Denudation. *See* Davis, W. M.
 — Deposits. *See* Shaler, N. S.
 — Manganese Deposits. *See* Murray,
 J.

- Mario, Monte, near Rome (Italy). *See*
 Meli, R.; *see* Neviani, A.; *see* Saba-
 tini, V.
 Markings in Sedimentary Rock, Linear.
See Talmage, J. E.
 —, Styloithic. *See* Fuchs, T.
 Marls, Alabama. *See* Smith, E. A.
 Marmora (Sea of), Trias of the Gulf of
 Ismid. *See* Toula, F.
 Marquette Formation, Michigan. *See*
 Van Hise, C. R., & W. S. Bayley.
 — Iron-bearing District (Mich.). *See*
 Van Hise, C. R., & W. S. Bayley.
 Marsden Valley (Yorks), Yoredale Rocks.
See Holroyd, W. F., & J. Barnes.
 Marseilles (Bouches-du-Rhône), Sub-
 marine extension of Archaean Rocks
 South of. *See* Vasseur, G., & E. Fournier.
 — (—), Mt. Chains North of. *See*
 Fournier, E.
 Marsupials. *See* Broom, R.; *see* Wood-
 ward, H.

- Martha's Vineyard Island (Mass.), Cre-
taceous Plants. *See* Hollick, A.
- Martigues (Bouches-du-Rhône). *See*
Douvillé, H.
- Maryland. *See* Clark, W. B.
- , Building Stones. *See* Day, W. C.
- , Chrome. *See* Glenn, W.
- , Coal. *See* Parker, E. W.
- , Geological Surveys. *See* Klittke,
M.
- , Granites. *See* Keyes, C. R.; *see*
Williams, G. H.
- Mashonaland. *See* Launay, L. de; *see*
Wilkinson, W. F.
- Maskelynite, Fisher Meteorite. *See* Win-
chell, N. H.
- Massa (Tuscany). *See* Capellini, G.
- Massachusetts Building Stones. *See*
Day, W. C.
- , Clays and Gravels. *See* Shaler,
N. S.
- , Dykes. *See* Shaler, N. S.
- , Geological Surveys. *See* Klittke,
M.
- , Glacial Deposits. *See* Shaler, N. S.
- , Minerals. *See* Emerson, B. K.
- , Road-metal. *See* Shaler, N. S.
- Mastodon*. *See* Leidy, J.; *see* Studer, T.
- , Italian. *See* Meli, R.
- , Marine Pliocene of Bologna
(Emilia). *See* Capellini, G.
- , Remains, Grosswardein (Transyl-
vania). *See* Tóth, M.
- Mastopora*. *See* Stolley, E.
- Matabeleland Goldfields. *See* Shaw, F.
G.; *see* Wilkinson, W. F.
- Matagne (Namur) Carboniferous Fauna.
See Forir, H.
- (—) Schists with *Rhynchonella*
Dumonti, &c. *See* Forir, H.
- Mattawa Valley (Ontario), Quaternary.
See Taylor, F. B.
- Mauléon (Basses-Pyrénées). *See* Seunes,
—.
- Maures-Esterel Mts. (Provence), Archæan
Rocks. *See* Vasseur, G., & E. Four-
nier.
- Mayenne (France). *See* Ehlert, D. P.
- Meade Co. (Kansas). *See* Haworth, E.
- Meaux (Seine-et-Marne). *See* Janet, L.
- Medford (Mass.) Diabase. *See* Merrill,
G. P.
- Medina Beds, Ohio, &c. *See* Foerste,
A. F.
- Mediterranean (Eastern) Prehistoric
Man. *See* Myres, J. L.
- , Mollusca. *See* Gregorio, Marquis
A. de.
- , Trias. *See* Mojsisovics von
Mojsvár, E. von —, &c.
- Medullosa*. *See* Renault, B.
- Meerscham. *See* Lacroix, A.; *see*
Schneider, O.
- Megaceros*-Remains, Schierstein (Nas-
sau). *See* Römer, A.
- Megalanteris*. *See* Barrois, C.
- Megalapteryx*. *See* Hutton, F. W.
- Megalodon*. *See* Bittner, A.
- Megalosaurus*. *See* Depéret, C.
- Megistocrinus*. *See* Miller, S. A., &c.
- Meionornis*. *See* Hutton, F. W.
- Melania*. *See* Stefanescu, S.
- Melaniidæ*, Bear River Beds. *See* White,
C. A.
- Melanopsis*. *See* Stefanescu, S.
- Melaphyre*. *See* Rosenbusch, H.
- Melaxytherum*. *See* Depéret, C.
- Meletta*. *See* Ogilby, J. D.
- Melfi (Basilicata) Ancient Lake. *See*
Johnston-Lavis, H. J., & E. Flores.
- Melilite-basalt. *See* Rosenbusch, H.
- Melocrinus*. *See* Miller, S. A., &c.
- Melonites multiporus*. *See* Jackson, R.
T., & T. A. Jagger, Jun.
- Melonoitidæ. *See* Jackson, R. T.
- Menai Bridge (Caernarvon). *See* De
Rance, C. E.
- Mende (Lozère). *See* Curie, —; *see*
Fabre, —.
- Mendoza (Argentina). *See* Hauthal, R.
- Menuthiaster*. *See* Lambert, J.
- Mercur (Utah). *See* Spurr, J. E.
- Mercury, Apennine Native (Emilia).
See Pantanelli, D.
- , Bosnia & Servia. *See* Launay,
L. de.
- , Chile. *See* Hohmann, T.
- , Ores. *See* Blake, W. P.
- , Val di Taro (Emilia). *See* Stefani,
C.
- Meriden (Conn.) Lava Beds. *See* Davies,
W. M.
- Merionethshire Drift. *See* Reade, T. M.
- Merista*. *See* Barrois, C.
- Meristella*. *See* Barrois, C.
- Merjelen Lake, Aletsch Glacier (Valaïis).
See Preller, C. S. Du R.
- Meroocrinus*. *See* Bather, F. A.
- Mersey, History of Sea Approaches.
See Sweny, M.
- , Silting. *See* Richards, Sir G. H.
- Mesnard Quartzite, Michigan. *See* Van
Hise, C. R., &c.
- Mesocetus*. *See* Cope, E. D.; *see* Flot, L.
- Mesohippus*. *See* Farr, M. S.
- Mesozoic Deposits, West Borneo. *See*
Martin, K.
- , Mammals. *See* Sclater, W. L.
- , Plants. *See* Seward, A. C.
- , Oroville (Cal.). *See* Fon-
taine, W. M.
- , Tasmanian. *See* Johnston,
R. M.
- , Reptilia. *See* Sauvage, H. E.
- Mesturus*. *See* Woodward, A. S.
- Metalliferous Deposits, California. *See*
Fairbank, H. W.
- , Chilean. *See* Möricke, W.
- , Colorado. *See* Cross, W., &c.;
see Millar, C. C. H.
- , Great Britain, &c. *See* At-
kinson, J. B., &c.; *see* Foster, C. Le
Neve.
- , Hungary. *See* Gesell, A. von.
- , Veins, Derbyshire. *See* Martel, E.
A.

- Metamorphic Rocks. *See* Judd, J. W.; *see* Spezia, G.
- , Alabama. *See* Smith, E. A.
- , Antarctic. *See* David, T. W. E., &c.
- , Cornish. *See* Bonney, T. G.
- , Cornwall & Devonshire. *See* Hunt, A. R.
- , East Central Alps. *See* Weinschenk, E.
- , Erythræa (N.E. Africa). *See* Sabatini, V.
- , Laval Basin (Mayenne). *See* Ehlert, D. P.
- , Moluccas Islands (East Indies). *See* Schroeder van der Kolk, J. L. C.
- , Mont-Blanc (Haute Savoie). *See* Duparc, L., & L. Mrazec.
- , Moravian. *See* Tausch, L. von.
- , Norwegian. *See* Kjerulf, T.; *see* Reusch, H.
- , Pyrenees. *See* Carez, L.
- , Southern Highlands. *See* Macnair, P.
- , Styrian. *See* Dölter, C.
- Metamorphism of Gabbro. *See* Smyth, C. H., Jun.
- , Rock. *See* Spezia, G.; *see* Van Hise, C. R.
- Meteoritic Iron. *See* Cohen, E.
- Meteorite, Fisher (Minn.). *See* Winchell, N. H.
- , Forsyth Co. (N. Car.). *See* Schweinitz, E. A.
- , Hamblen Co. (Tennessee). *See* Merrill, G. P.
- , Madrid (Castile). *See* Calderon, S.; *see* Meunier, S.
- , Yorkshire. *See* Brierley, H.
- Meteorites. *See* Brezina, A.; *see* Farrington, O. C.; *see* Winchell, N. H.
- Metopocetus. *See* Cope, E. D.
- Metoptoma. *See* Barrois, C.
- Metriorhynchus. *See* Glangeaud, P.
- Metz (Lorraine). *See* Grossouvre, A. de.
- Meuse (N. France), Caverns. *See* Brocard, —.
- , River (Netherlands). *See* Loricé, J.
- , Valley Carboniferous Formation (Belgium). *See* Forir, H., &c.
- Mexico (South-eastern), Eruptive Rocks. *See* Ordoñez, E.
- , Iron Ores. *See* Anon., 27.
- , Quicksilver. *See* Halse, E.
- , Tin. *See* Ingalls, W. R.
- , Volcanoes of the Valley of. *See* Howarth, O. H.
- Meximieux (Ain). *See* Depéret, C.
- Mézières (Ardennes). *See* Dollfus, G. F.
- Mica Cleavage-Plates, Figures on. *See* Walker, T. L.
- , Corrosion - Figures. *See* Friedel, G.
- , Mining, Smaalenene Amt (Christiana). *See* Friis, J. P.
- Mica-Schist, Cogne Valley (Piedmont). *See* Chelussi, I.
- , Moluccas. *See* Schroeder van den Kolk, J. L. C.
- , Styrian. *See* Bauer, C.
- Micaceous Syenite, Rothschönberg, near Deutschenbora (Saxony). *See* Henderson, J. McC.
- Michigamme District (Mich.) Volcanic Rocks. *See* Clements, J. M.
- , Formation, Michigan. *See* Van Hise, C. R., &c.
- Michigan Building Stones. *See* Day, W. C.
- , Coal. *See* Parker, E. W.
- , Copper Districts. *See* Wadsworth, M. E.
- , Geological Surveys. *See* Klittke, M.
- , Iron Ores. *See* Birkinbine, J.; *see* Van Hise, C. R., & W. S. Bayley.
- , Salt. *See* Parker, E. W.
- Micoque (Dordogne) Quaternary. *See* Chauvel, G., & E. Rivière.
- Micraster. *See* Lambert, J.; *see* Schlüter, C.
- Microchemical Analysis of Rocks. *See* Keilhack, W.
- Micrococcus. *See* Renault, B.
- Microdiscus. *See* Matthew, G. F.
- Microgranulite. *See* Duparc, L.
- Microgranulites, Val Ferret (Savoy). *See* Duparc, L., & F. Pearce.
- Microlite. *See* Foote, H. W.
- Micrometer. *See* Schwarzmann, N.
- Microscope, Petrographical. *See* Leiss, C.
- Microzoa, Trinidad (West Indies), Rocks. *See* Guppy, R. J. L.
- Midland Coalfield, Eastern Limits. *See* Hull, E.
- , Counties & N. Wales. *See* Geikie, Sir A., &c.
- Midlands Middle Lias Ironstone. *See* Walford, E. A.
- Milam (Himalayas). *See* Diener, C.
- Mill Close Lead Mine, Darley Dale (Derbys.). *See* Parsons, C. E.
- Millstone Grit, North Staffordshire. *See* Anon., 33.
- Mimoceras. *See* Kayser, E.
- Mineral Deposits, Gt. Britain. *See* Atkinson, J. B., &c.; *see* Foster, C. Le Neve.
- , New South Wales. *See* Bray, A. H.; *see* Card, G. W.; *see* Carne, J. E.; *see* Jaquet, J. B.; *see* M'Lachlan, D. C.; *see* Pittman, E. F.; *see* Price, R. A.; *see* Slee, W. H. J.; *see* Smith, Hon. S.; *see* Stonier, G. A.; *see* Wood, H.
- , Resources, New York State. *See* Merrill, F. J. H.
- , United States. *See* Day, D. T.
- , Sections & Crystal Axes. *See* Viola, C.
- , Separation. *See* Retgers, J. W.

- Mineral Springs, Anatolia. *See* Arslanian, D.
- , Baden (Aargau). *See* Preller, C. S. Du R.
- , Veins. *See* Tin Veins, &c.
- , —. *See* Vogt, J. H. L.
- , Water, Buda (Hungary). *See* Ilosvay, L. von.
- , —, Seifersdorf (Austrian Silesia). *See* Ludwig, E.
- , —, Tulle-Haut (Haute-Garonne). *See* Garrigou, F.
- , Waters, Belgian. *See* Dewalque, G.
- , —, Gleichenberg (Styria). *See* Clar, K.
- , —, Hungarian. *See* Traxler, L.
- , —, Pyrenees. *See* Trutat, E.
- , —, United States. *See* Peale, A. C.
- Mineralogical Chemistry. *See* Harrington, B. J.
- Mineralogy. *See* Brush, G. J., &c.; *see* Grangeneuve, M.; *see* Grüner, H.; *see* Panebianco, R.; *see* Penfield, S. L.; *see* Rutley, F.
- , Canadian. *See* Hoffmann, G. C.
- , Chemical. *See* Brauns, R.
- , Russian. *See* Krichtafovitch, N.
- Minerals. *See* Bauer, M.; *see* Brown, C. B., & J. W. Judd; *see* Davison, J. M.; *see* Fletcher, L.; *see* Foote, H. W.; *see* Foote, W. M.; *see* Forbes, E. H.; *see* Grüner, H.; *see* Judd, J. W.; *see* Lacroix, A.; *see* Miers, H. A.; *see* Palache, C.; *see* Penfield, S. L.; *see* Pirsson, L. V.; *see* Pratt, J. H.; *see* Schulze, E.; *see* Walker, T. L.; *see* Weed, W. H.; *see* Wolff, J. E.
- , Algerian. *See* Gentil, L.
- , & Ores, Canadian. *See* Ingall, E. D., & H. P. H. Brumell.
- , & Röntgen Rays. *See* Dölter, C.; *see* Miller, W. G.
- , Artificial. *See* Friedel, G.
- , —, Production. *See* Schulten, A. de.
- , Binnenthal (Valais). *See* Zeller, A.
- , California. *See* Yale, C. J.
- , *see* Crystallography.
- , Etched-figures of. *See* Traube, H.
- , Examination of. *See* Cole, G. A. J.
- , French. *See* Lacroix, A.
- , Gases in. *See* Tilden, W. A.
- , Georgia & North Carolina. *See* Blake, W. P.
- , Gross-Venedigerstock (Styria). *See* Weinschenk, E.
- , Harz (Germany). *See* Lüdecke, O.
- , Helium in. *See* Ramsay, W.
- , in Carboniferous Deposits, Liège (Belgium). *See* Jorissen, A.
- , Laurium Slag (Greece). *See* Lacroix, A.
- , Massachusetts. *See* Emerson, B. K.
- , Measurements. *See* Schwarzmänn, N.
- , Meije (Hautes-Alpes). *See* Lacroix, A.
- , New. *See* Gaubert, P.
- Minerals, New South Wales. *See* Card, G. W.; *see* Curran, J. M.; *see* Jaquet, J. B.; *see* Judd, J. W.; *see* Liversidge, A.; *see* Pittman, E. F.
- , North America. *See* Foote, H. W.
- , of the French Colonies. *See* Lacroix, A.
- , Ontario Economic. *See* Merritt, W. H.
- , Separation of. *See* Penfield, S. L.
- , Specific Gravity. *See* Keilhack, W.; *see* Miers, H. A.
- , Styrian. *See* Doll, E.
- , Swiss. *See* Termier, P.
- , Synthesis. *See* Grimsley, G. P.
- , Tasmanian. *See* Petterd, W. F.
- , used as Pigments. *See* Parker, E. W.
- , Venetian. *See* Viccari, L.
- , Viterbo (Prov. Rome). *See* Meli, R.
- , Washington Heights (New York City). *See* Hovey, E. O.
- , Yabricoya & Jauja (Chili). *See* Latrille, F.
- Mines, Great Britain, Ireland, & Isle of Man. *See* Atkinson, J. B., &c.; *see* Foster, C. Le N.
- Minette, Magnetic Iron in. *See* Werveke, L. van.
- Mining Conference, Sydney (N. S. W.). *See* Smith, Hon. S., &c.
- , Industry of the United Kingdom. *See* Foster, C. Le N.
- Minnesota Building Stones. *See* Day, W. C.
- , Geological Surveys. *See* Klittke, M.
- , Iron Ores. *See* Birkinbine, J.
- , (North-eastern) Gabbro Mass. *See* Bayley, W. S.
- , Vermilion Range. *See* Smyth, H. L., & J. R. Finlay.
- Minorca. *See* Nolan, H.
- Miocene, Algerian. *See* Welsch, J.
- , Apennine. *See* Sacco, F.
- , Biberach (Württ.). *See* Mayer, —.
- , Brünn (Moravia). *See* Tausch, L. von.
- , Chelonia, Malta. *See* Ristori, G.
- , Echinoderms, Sardinian. *See* Cotteau, G.
- , Fauna (Basses - Pyrénées). *See* Degrange-Touzin, A.
- , —, Bordeaux (Gironde). *See* Cossmann, M.
- , —, Miodobory (Podolia). *See* Teisseyre, W.
- , —, of North American Marine. *See* Cope, E. D.
- , Fishes, Mondaino (Emilia). *See* Bonomi, I.
- , —, Sardinian. *See* Angelis d' Ossat, G. de.
- , Florence (Tuscany). *See* Trabucco, G.
- , Jura. *See* Boistel, —.

- Miocene, Maltese Mollusca. *See* Gregorio, Marquis A. de.
 — Mammalia. *See* Grevé, C.
 —, 'John Day' (Oregon). *See* Eyerman, J.
 —, Montredon (Aude). *See* Depéret, C.
 — Marine Fauna, North American. *See* Cope, E. D.
 —, —, Upper Burma. *See* Nötling, F.
 —, Montpellier (Hérault). *See* Roman, F.
 — Nomenclature. *See* Nomenclature.
 —. *See* Munier-Chalmas, —; *see* Lapparent, A. de.
 — Perissodactyls, Dakota (U.S.A.). *See* Osborn, H. F., & J. L. Wortman.
 —, Sardinia. *See* Lovisato, D.
 —, Southern Australian. *See* Pritchard, G. B.
 —, South-eastern France. *See* Kilian, W.
 Miodobory (Podolia). *See* Teisseyre, W.
 Mississippi Basin, Palaeozoic Rocks. *See* Keyes, C. R.
 —, Geological Surveys. *See* Klittke, M.
 —, Lower. *See* Griswold, L. S.
 — Valley Carboniferous. *See* Keyes, C. R.
 — Palaeozoic Fauna. *See* Miller, S. A., & W. F. E. Gurley.
 Missouri Building Stones. *See* Day, W. C.
 — Coal. *See* Parker, E. W.
 — Devonian. *See* Broadhead, G.
 —, Geological Surveys. *See* Klittke, M.
 — Palaeozoic Fauna. *See* Weller, S.
 — Petroleum. *See* Weeks, J. D.
 — (South-eastern) Lead Ores. *See* Winslow, A.
 Misterhults Parish (Småland), *Trapa* subfossil. *See* Nathorst, A. G.
Mitcheleania. *See* Wethered, E. B.
 Mitchellstown (Cork) Cave. *See* Jameson, H. L.; *see* Martel, E. A.
 Moa. *See* Andrews, C. W.; *see* Ewen, C. A.; *see* Hutton, F. W.; *see* Shuffeldt, R. W.
Modiola. *See* Bittner, A.; *see* Hind, W.; *see* Oppenheim, P.
Modiolopsis. *See* Hicks, H.
Modiomorpha. *See* Barrois, C.
 Mohawk Valley (N.Y.). *See* Darton, N. H.
 Mohilev Gov. (W. Russia). *See* Armachewsky, P.
Mojsisovites. *See* Mojsisovics von Mojsvár, E. von.
 Moldavia. *See* Teisseyre, L.
 Moldawite. *See* Bauer, M.
 Mollasse, French Jura. *See* Bourgeat, —.
 —, Mammalia. *See* Studer, T.
 Mollon (Ain). *See* Depéret, C.
 Mollusca. *See* Bernard, F.; *see* Lydekker, R., &c.; *see* Marr, J. E.; *see* Woodward, H.
 Mollusca. *See* Cephalopoda, Gasteropoda, &c.
 —, Antarctic Fossil. *See* Sharman, G., & E. T. Newton.
 —, Bear River Cretaceous. *See* White, C. A.
 —, Bernese-Jura Oligocene. *See* Kissling, E.
 —, —, Rauracian. *See* Loriol, P. de, &c.
 —, Borneo Jurassic. *See* Vogel, F.
 —, British Palaeozoic. *See* Hicks, H.; *see* Whidborne, G. F.
 —, Carboniferous. *See* Hind, W.
 —, Carniola Miocene. *See* Hörnes, R.
 —, Chalk Rock. *See* Woods, H.
 —, Coblenzian. *See* Bécclard, F.
 —, Crag. *See* Harmer, F. W.
 —, Cretaceous, of Southern Africa. *See* Newton, R. B.
 —, Dakota Formation. *See* White, C. A.
 —, Devonian. *See* Broadhead, G. C.; *see* Whidborne, G. F.
 —, Es-Taliens (Hautes-Pyrénées) Quaternary Breccia. *See* Harlé, E.
 —, Himalayan Triassic. *See* Mojsisovics von Mojsvár, E. von.
 —, Italian Tertiary. *See* Oppenheim, P.; *see* Vinassa de Regny, P. E.
 —, Jurassic. *See* Bigot, A.; *see* Cossmann, M.
 —, Maltese Tertiary. *See* Gregorio, Marquis A. de.
 —, Mediterranean Fossil & Recent, *See* Gregorio, Marquis A. de.
 —, Monte Mario (Prov. Rome) Tertiary. *See* Meli, R.
 —, Monte Postale (Vicentino) Eocene. *See* Oppenheim, P.; *see* Vinassa de Regny, P. E.
 —, N.S.W. Palaeozoic. *See* Etheridge, R., Jun.
 —, Oolitic. *See* Hudleston, W. H.; *see* Thompson, B.
 —, Pacific Coast Cretaceous. *See* Stanton, T. W.
 —, Palaeozoic. *See* Clarke, J. M.; *see* Etheridge, R., Jun.; *see* Miller, S. A., & W. F. E. Gurley; *see* Whidborne, G. F. *See* Palaeozoic.
 —, Provence (France) Chalk. *See* Oppenheim, P.
 —, Rauracian. *See* Loriol, P. de, & E. Koby.
 —, Russian Cretaceous. *See* Loriol, P. de.
 —, Schleswig-Holstein Palaeozoic. *See* Stolley, E.
 —, Seymour Island, (Antarctic). *See* Sharman, G., & E. T. Newton.
 —, Spanish Cretaceous. *See* Nicklès, R.
 —, Staffordshire Coalfield Marine. *See* Ward, J.
 —, Teramo (Abruzzo) Pliocene. *See* Cerulli, I. S.

- Mollusca, Tertiary. *See* Degrange-Touzin, A.; *see* Gregorio, Marquis A. de; *see* Mayer-Eymar, C.; *see* Oppenheim, P.; *see* Vinassa de Regny, P. E.
- , Tortonian. *See* Sangiorgi, D.
- , Tourtlian. *See* Tiessen, E.
- , Triassic. *See* Bittner, A.
- , Upper Tertiary. *See* Mayer-Eymar, C.
- , Venetian Alps Tertiary. *See* Vinassa de Regny, P. E.
- , West Indies. *See* Guppy, R. J. L.
- Molluscan Hinge. *See* Bernard, F.; *see* Munier-Chalmas, —.
- Morphology. *See* Verrill, A. E.
- Moluccas (East Indies), Volcanic Rocks. *See* Schroeder van den Kolk, J. L. C.
- Molybdene. *See* Jorissen, A.
- Molybdenite. *See* Brown, A. P.; *see* Liversidge, A.
- Monazite. *See* Ferrier, W. F.; *see* Hovey, E. O.; *see* Nitze, H. B. C.
- , North Carolina. *See* Nitze, H. B. C.
- , North & South Carolina. *See* Mezger, C. A.
- Monchique, Serra de (Algarve, S. Portugal). *See* Kraatz-Koschlau, K. von, &c.
- Monchiquite Rocks. *See* Pirsson, L. V.
- Mondaino (Emilia) Miocene Fishes. *See* Bonomi, I.
- Mondego Valley (Portugal) Glaciation. *See* Delgado, J. F. N.
- Monimia. *See* Ettingshausen, C. Freih. von.
- Monkeys, Fossil Malagasy. *See* Forsyth-Major, C. J.; *see* Lydekker, R.
- Monocarpinea. *See* Woodward, H.
- Monoceros. *See* Steinmann, G., &c.
- Monocotyledons. *See* Seward, A. C.
- Monograptus. *See* Wiman, C.
- Monotremata. *See* Seeley, H. G.
- Mons-en-Pévèle Hill (Nord). *See* Herent, J.
- Mont Berru (Marne) Eocene. *See* Le-moine, V.
- Blanc (Savoy). *See* Duparc, L.; *see* Duparc, L., & L. Mrazec; *see* Graeff, F.; *see* Lubbock, Sir J.; *see* Vallot, J., & L. Duparc.
- Condamine (Hautes-Alpes). *See* Termier, L.
- Eychauda (Hautes-Alpes). *See* Termier, L.
- Joly (Savoy). *See* Bertrand, M., & E. Ritter.
- Jovet (Savoy). *See* Bertrand, M.; *see* Gregory, J. W.
- Pelvoux (Isère). *See* Termier, L.
- Serre-Chevalier (Hautes-Alpes). *See* Termier, L.
- Montagne Noire (Hérault). *See* Bergeron, J.; *see* Depéret, C.; *see* Nicklès, R.
- Montana Asphaltum. *See* Parker, E. W.
- Building Stones. *See* Day, W. C.
- Montana Coal. *See* Parker, E. W.
- Copper Ores. *See* Kirchhoff, C.
- Eruptive Rocks. *See* Merrill, G. P.
- , Fort Union Formation. *See* Weed, W. H.
- , Geological Surveys. *See* Klittke, M.
- Igneous Rocks. *See* Iddings, J. P.
- Minerals. *See* Weed, W. H., & L. V. Pirsson.
- Water Supply. *See* Newell, F. H.
- Monte Albenza (Bergamo). *See* Taramelli, T.
- Amiata (Tuscany) Hydrology. *See* Sestini, F.
- Bolca (Verona) Crocodiles. *See* Sacco, F.
- Calvi (Tuscany) Lias. *See* Fucini, A.; *see* Levi, G.
- Cimino (Prov. Rome). *See* Meli, R.
- Cingielle (Venetia). *See* Oppenheim, P.
- Circeo (Latium). *See* Meli, R.
- delle Croci, near Montefiascone (Latium). *See* Fantappiè, L.
- Gallo (Sicily). *See* Gregorio, Marquis A. de.
- Gimont (Savoy). *See* Piotti, G.
- Lepini (Rome). *See* Viola, C.
- Mario, near Rome. *See* Meli, R.
- —, —, Bryozoa. *See* Neviani, A.
- —, —, Pliocene. *See* Meli, R.
- —, — Tertiary. *See* Sabatini, V.
- Piano (Reggio, Emilia). *See* Simonelli, V.
- Picientini, near Naples. *See* Böse, E.
- Pisano (Tuscany). *See* Sacco, F.
- — (—), Liassic White Marble Fauna. *See* Fucini, A.
- Postale (Vicentino). *See* Oppenheim, P.; *see* Vinassa de Regny, P. E.
- Primo (Central Apennines). *See* Canavari, M.
- Reggio (Tuscany). *See* Chelussi, I.
- Rosa (Pennine Alps). *See* Giacosa, P.
- — (—), Waters. *See* Giacosa, P.
- Serra (Central Apennines). *See* Canavari, M.
- Somma (Campania), Eozoonal Structure of Ejected Blocks. *See* Johnston-Lavis, H. J., & J. W. Gregory.
- — (—), Forsterite. *See* Arzruni, A.
- Soratte (Rome). *See* Meli, R.
- Titano (San Marino), Tertiary Fishes. *See* Angelis d'Ossat, G. de.
- Vulturino (Basilicata). *See* Lorenzo, G. de.
- Monterey District (Pa.) Volcanic Rocks. *See* Bascom, Florence.

- Montgomery Co. (Iowa). *See* Lonsdale, E. H.
- Montian. *See* Rutot, A.
- Monticellite. *See* Penfield, S. L., & E. H. Forbes.
- Monticules*. *See* James, J. F.
- Monticulipora*. *See* James, J. F.
- Monticuliporidae, Cincinnati Group. *See* James, J. F.
- Montmorillonite. *See* Lacroix, A.
- Montpellier (Hérault). *See* Roman, F.
- Montreal (Quebec), *Beluga* in Leda-clay. *See* Dawson, Sir J. W.
- District (Quebec). *See* Ellis, R. W.
- Montredon (Aude) Miocene Mammalia, *See* Depéret, C.
- Montsaunés, Grotte de (Haute-Garonne). *See* Harlé, É.
- Moon, Surface of. *See* Suess, E.
- Moraine, Great Southern Baltic Terminal. *See* Berendt, G.
- , Queen's River (R. I.). *See* Woodward, J. B., & C. F. Marbut.
- Moraines. *See* Belloc, E.; *see* Dickson, E.
- , Massachusetts. *See* Shaler, N. S.
- of Ice-sheets, Marginal. *See* Upham, W.
- , Riga (Livonia). *See* Doss, B.
- , Silesia. *See* Althaus, E.
- , Swedish. *See* Post, H. von.
- , Monte Vulturino (Basilicata). *See* Lorenzo, G. de.
- Morän (Gothland Island) Rocks. *See* Hedström, H.
- Moravia, *Oncophora*-deposits. *See* Rzehak, A.
- Moravian Crystalline Rocks. *See* Rosiwal, A.
- Igneous Rocks. *See* Rosiwal, A.; *see* Tausch, L. von.
- Moresat (Aberdeen), Cretaceous Fossils from the Drift. *See* Sharman, G., & E. T. Newton.
- Morestel (Isère). *See* Riaz, D.
- Morgan, Mount (Queensland). *See* Adams, F. D.
- Morpeth (Northumberland). *See* Barrow, G., &c.
- Morte Slates. *See* Hicks, H.
- Morthoe (Devon). *See* Hicks, H.
- Mortoniceras*, Spanish Cretaceous. *See* Nickles, R.
- Mosbach, Wiesbaden (Nassau), Diluvial Mammalian Remains. *See* Römer, A.
- Mouias Mts. (Constantine). *See* Ficheur, E.
- Moulins (Allier). *See* Launay, L. de.
- Mount Bischoff Tin Mine (Tasmania). *See* Kayser, H. W. F., & R. Provis.
- Morgan (Queensland) Gold Deposits. *See* Adams, F. D.
- Mountain Building. *See* Reade, T. M.
- Quartzite, Norway. *See* Björlykke, K. O.
- Mountains, Origin of Swiss. *See* Lubbock, Sir J.
- Mourlonia*. *See* Etheridge, R., Jun.
- Mourne Mountains (Ireland) Granite. *See* Roberts, R. W.
- Moyrus (Connemara) Prehistoric Settlements. *See* Bigger, F. J.
- Mud Cracks. *See* Talmage, J. E.
- Eruptions, Batavia. *See* Wichmann, A.
- Volcanoes, Central America. *See* Sapper, C.
- Mull (Isle of) Basalt. *See* Geikie, Sir A.
- Multituberculata*. *See* Osborn, H. F., & C. Earle.
- Murchisonia*. *See* Donald, Jane; *see* Miller, S. A., &c.; *see* Whidborne, G. F.; *see* Winterfield, F.
- Murcia (Spain) Secondary Rocks. *See* Nicklès, R.
- Murom (Vladimir). *See* Sibirzev, N.
- 'Muschelkalk.' *See* Benecke, E. W.
- , Ammonites from Himalayan. *See* Diener, C.
- Cephalopoda, Braič (Dalmatia). *See* Bukowski, G. von.
- Crinoids. *See* Könen, A. von.
- , Dalmatian. *See* Bukowski, G.
- Muscovite Granite, Norwegian. *See* Kjerulf, T.
- Mica. *See* Friedel, G.
- Museum of Practical Geology. *See* Geikie, Sir A.
- *See* Mellin, R., & L. Hoffmann.
- Museums. *See* Cumming, L.; *see* Howorth, Sir H. H.
- Mustelidæ. *See* Grévé, C.
- Myalina*. *See* Bittner, A.
- *bilsteinensis*, Age of. *See* Kayser, E.
- Myllodon*. *See* Cope, E. D.
- Myoconcha*. *See* Bittner, A.
- Myophoria*. *See* Bittner, A.; *see* Whidborne, G. F.
- *vestita*-beds, Foggia (Apulia). *See* Di-Stefano, G.
- Myophoricardium*. *See* Bittner, A.
- Myophoriopsis*. *See* Bittner, A.
- Myoxus*. *See* Lydekker, R.
- Myriapoda. *See* Scudder, S. H.
- , Devonian. *See* Whidborne, G. F.
- Myrica*. *See* Ettingshausen, C. Freih. von.
- Myricophyllum*. *See* Ettingshausen, C. Freih. von.
- Murtophyllum*. *See* Ettingshausen, C. Freih. von.
- Myrtilarca*. *See* Miller, S. A., &c.
- Mysidioptera*. *See* Bittner, A.
- Mytilidæ. *See* Hind, W.
- Mytilus*. *See* Bittner, A.; *see* Bizet, T.
- Nagy-Várad (Transylvania) Mastodon Remains. *See* Tóth, M.
- Naiadites*. *See* Dawson, Sir J. W.; *see* Hind, W.

- Nam Valley, N. Trondhjem (Norway), Glaciation. *See* Rekstad, J.
- Namaqualand (Great). *See* Stromer von Reichenbach, E. Freih. von.
- Namur (Belgium), Devonian. *See* Forir, H.
- Nanaimo Group Cretaceous Fauna. *See* Whiteaves, J. F.
- Nanno. *See* Endoceras.
- Nanos Plateau (Carniola). *See* Kossmat, F.
- Nantokite. *See* Card, G. W.
- Nantua (Ain). *See* Delebecque, A.; *see* Douxami, H.
- Narragansett Bay (R. I.) Glaciation. *See* Woodward, J. B.
- Nasafjäll (Norrbotten Län) Zinc and Silver Mines. *See* Svenonius, F.
- Nassau Thermal Springs. *See* Fresenius, R.
- , Volcanic Bomb in Schalstein. *See* Kayser, C.
- Natal. *See* Struben, F. P. T.
- Natica. *See* Mayer-Eymar, C.; *see* Oppenheim, P.; *see* Steinmann, G., &c.; *see* Whidborne, G. F.
- Natrolite, Palzendorf (Moravia). *See* Eichleiter, C. F.
- Natural Gas, Indiana. *See* Leach, J. C., &c.
- Nautilus. *See* Crick, G. C.; *see* Koken, E.; *see* Maurer, F.; *see* Mojsisovics von Mojsvár, E. von.
- *Deslongchampsianus*, Upper Chalk of Langenberg near Westerhausen (Magdeburg). *See* Tiessen, E.
- , Upper Chalk. *See* Tiessen, E.
- Naxos (Greece) Emery. *See* Beynon, R.
- Nebraska Building Stones. *See* Day, C. W.
- Coal. *See* Parker, E. W.
- , Geological Surveys. *See* Klittke, M.
- Water Supply. *See* Hay, R.; *see* Newell, F. H.
- Negaunee Formation, Michigan. *See* Van Hise, C. R., &c.
- Nelson (N.Z.). *See* Gordon, H. A., &c.
- Nemapodia. *See* Fuchs, T.
- Neoblattaria. *See* Scudder, S. H.
- Neocene, Santa Cruz Mts. (Cal.). *See* Ashley, G.
- Neocrononella. *See* Bittner, A.
- Neocomian Clays, Alaty, Simbirsk (Russia), Sandstone Dykes in. *See* Pavlov, A. P.
- Classification. *See* Pavlov, A. P.
- , English and French. *See* Jukes-Browne, A. J., & W. Hill.
- Fauna, Caucasus (Russia). *See* Inostranzev, A., &c.
- , Yorkshire and Lincolnshire. *See* Lamplugh, G. W.
- Neogene Echinoidea in Parma Museum (Emilia). *See* Vinassa de Regny, P. E.
- Neolithic Kitchen-midden, Blashenwell, near Corfe Castle. *See* Reid, C.
- Neoptychites. *See* Grossouvre, A. de.
- Neozoic Crustacea. *See* Woodward, H.
- Nepheline. *See* Bascom, Florence; *see* Traube, H.
- , -basalts, Bohemia. *See* Rosiwal, A.
- , -Pre-Tertiary. *See* Bascom, Florence.
- , -Rocks. *See* Rosenbusch, H.
- , -syenite, Dungannon, Hastings Co. (Ont.). *See* Adams, F. D., & B. J. Harrington.
- , —, Alnö Island (Sweden). *See* Högbom, A. G.
- , —, Finland. *See* Hackman, V.
- Nephelinite, Styrian. *See* Sigmund, A.
- Nephrite. *See* Baur, M.
- Neptunea. *See* Meli, R.
- Nerike Peat Moor (Sweden). *See* Ser-nander, R., & K. Kjellmark.
- Nerinea. *See* Hudleston, W. H.
- Nerinæidæ, Sequanian. *See* Bigot, A.
- Nerita. *See* Gppenheim, P.
- Neritina. *See* Stefanescu, S.
- Nesolimnas Dieffenbachii. *See* Andrews, C. W.
- Netherlands. *See* Harmer, F. W.; *see* Loric, J.
- , Geological Maps. *See* Schroeder van der Kolk, J. L. C.
- Nettuno (Prov. Rome) Peat. *See* Meli, R.
- Neumark (Pomerania). *See* Müller, G.
- Neuropteris. *See* Lima, W. de.
- Neuropterous Insect, Lower Lias, Barrow-on-Soar (Leicester). *See* Woodward, H.
- Nevada Coal. *See* Parker, E. W.
- , Geological Surveys. *See* Klittke, M.
- Salt. *See* Parker, E. W.
- Water Supply. *See* Newell, F. H.
- Nevado Colorado de Famatina, Rioja (Argentina). *See* Hauthal, R.
- Neverita. *See* Vinassa de Regny, P. E.
- Nevers Coalfield (Nièvre). *See* Launay, L. de.
- Newbattle (Midlothian). *See* Anon., 32.
- Collieries. *See* Morison, J.
- New Brunswick (Canada). *See* Chalmers, R.; *see* Ganong, W. F.; *see* Leckie, R. G. E.; *see* Matthew, G. F.
- , Earthquakes. *See* Montessus de Ballore, F. de.
- , Ordovician System. *See* Matthew, G. F.
- , Surface Deposits. *See* Chalmers, R.
- New Caledonia, Triassic Ammonites. *See* Mojsisovics von Mojsvár, E. von.
- Newcastle (Northumb.) Coalfield. *See* Galloway, R. L.
- New Hampshire. *See* Hitchcock, C. H.
- , Building Stones. *See* Day, W. C.
- , Geological Surveys. *See* Klittke, M.
- New Haymarket Tunnel, Edinburgh. *See* Cadell, H. M.

- New Hebrides. *See* Purey-Cust, H. E.
 —, Earthquakes. *See* Gray, W.
 New Jersey, Building Stones. *See* Day, W. C.
 —, Cretaceous and Tertiary. *See* Clark, W. B.
 —, Cretaceous *Pleurotomaria*. *See* Pilsbry, H. A.
 —, Geological Surveys. *See* Klittke, M.
 —, Iron Ores. *See* Birkinbine, J.
 New Mexico, Building Stones. *See* Day, W. C.
 —, Coal. *See* Parker, E. W.
 —, Geological Surveys. *See* Klittke, M.
 —, Mesozoic Mammals. *See* Osborn, H. F., & C. Earle.
 —, Petroleum. *See* Weeks, J. D.
 —, Water Supply. *See* Newell, F. H.
 Newport (Mon.). *See* Strahan, A., &c.
 New South Wales. *See* Boulthbee, J. W.; *see* Carne, J. E.; *see* Coghlan, T. A.; *see* Hutchinson, F.; *see* Jaquet, J. B.; *see* Leigh, W. S.; *see* Mackenzie, J.; *see* M'Lachlan, D. C.; *see* Pittman, E. F.; *see* Slee, W. H. J.; *see* Stonier, G. A.
 — & Autun Boghead Coal. *See* Renault, B.
 —, Artesian Water. *See* Mingaye, J. C. H.; *see* Pittman, E. F.
 —, Auriferous Conglomerates. *See* Lodin, A.
 —, Borings. *See* Slee, W. H. J.; *see* Pittman, E. F.
 —, Caves. *See* Tissandier, A.
 —, Cretaceous Rocks in North-western. *See* Pittman, E. F.
 —, Diatomaceous Earth. *See* David, T. W. E.
 —, Evidences of Glacial Action in. *See* David, T. W. E.
 —, Kerosene Shale. *See* Bertrand, C. E.
 —, Minerals. *See* Curran, J. M.; *see* Liversidge, A.; *see* Pittman, E. F.
 — and Rocks. *See* Card, G. W.; *see* Jaquet, J. B.; *see* Judd, J. W.
 —, Mineral Deposits. *See* Bray, A. H.; *see* Card, G. W.; *see* Carne, J. E.; *see* Jaquet, J. B.; *see* M'Lachlan, D. C.; *see* Pittman, E. F.; *see* Price, R. A.; *see* Slee, W. H. J.; *see* Smith, Hon. S.; *see* Stonier, G. A.; *see* Wood, H.
 —, Mollusca. *See* Etheridge, R., Jun.
 —, Older Tertiaries. *See* Pritchard, G. B.
 —, Platinum. *See* Jaquet, J. B.
 —, Rocks, Minerals, &c. *See* Curran, J. M.
 —, Silver. *See* Babu, L.
 —, Trilobites. *See* Etheridge, R., Jun., & J. Mitchell.
 New York City, Platycnemid Man. *See* Sherzer, W. H.
 — State. *See* Clarke, J. M.; *see* Cushing, H. P.; *see* Darton, N. H.; *see* Emerson, B. K.; *see* Hall, J.; *see* Kemp, J. F.; *see* Luther, D. D.; *see* Prosser, C. S.; *see* Simpson, G. B.; *see* Smyth, C. H., Jun.
 New York State, Building Stones. *See* Day, W. C.
 —, Geological Surveys. *See* Klittke, M.
 —, Iron Ores. *See* Birkinbine, J.
 —, Kames. *See* Fairchild, H. Le R.
 —, List of Publications on the Geology and Palæontology. *See* Clarke, J. M.
 —, Mineral Resources. *See* Merrill, F. J. H.
 —, Oilfields, Pyroxenes. *See* Ries, H.
 —, Oilfields. *See* Weeks, J. D.
 —, Salt. *See* Day, W. C.
 — (Western) Kame Areas. *See* Fairchild, H. Le R.
 New Zealand Alps. *See* FitzGerald, E. A.
 — Coal. *See* Gordon, H. A., &c.
 — Cinnabar. *See* Gordon, H. A., &c.
 — Cretaceous Flora. *See* Ettingshausen, C. Freih. von.
 — Earthquakes. *See* Hogben, G.
 — Extinct Birds. *See* Andrews, C. W.
 — Gold. *See* Cadell, H. M.; *see* Cadman, A. J.; *see* Gordon, H. A.; *see* M'Kay, A.
 — Hysteromorphous Auriferous Deposits. *See* Gordon, H. A.
 — Moa-remains. *See* Ewen, C. A.; *see* Hutton, F. W.; *see* Shufeldt, R. W.
 — Ore Deposits. *See* Cadman, A. J.; *see* Gordon, H. A.; *see* M'Kay, A.
 —, Outlying Islands of. *See* Hector, Sir J.
 — Titaniferous Sand. *See* Purser, E.
 — Volcanic Zone in 1895. *See* Hill, H.
 Niagara Falls. *See* Herbertson, A. J.; *see* Upham, W.
 Nice (Alpes-Maritimes). *See* Zürcher, P.
 Nickel. *See* Day, D. T.; *see* Garnier, J.; *see* Kingsbury, J. T.; *see* Sperry, F. L.
 Nictaux (N.S.) Iron Ores. *See* Gilpin, E., jun.
 Nieder-Rabenstein (Saxony) Calcite. *See* Francke, H.
 Nijni-Novgorod (Russia). *See* Sibirzev, N.
 Nijne-Tourinsk (Perm) Platinum. *See* Bourdakov, V. J., & J. M. Hendrikhov.
 Nile Valley. *See* Hull, E.
 Nills Hills, Pontesbury (Salop). *See* Holland, P., &c.
 Niuafoú (South Pacific). *See* Somerville, B. T.
 Ninety-mile Desert (S. Australia). *See* Clark, E. V.
 Niort-Ruffec Railway. *See* Fournier, A.
 Nipissing, Lake (Ont.). *See* Winchell, N. H.

- Nisse Valley Iron Ore, Thelemarken (Norway). *See* Vogt, J. H. L.
- Niti Pass (Himalayas). *See* Diener, C.
- Nitrate, Chili. *See* Newton, W.
- Nitrates, Griqualand West (S. Africa). *See* Marloth, R.
- Nodosaria*. *See* Jones, T. R.
- Næggerathiopsis*. *See* Zeiller, R.
- Noire, Mtgne. (Hérault). *See* Bergeron, J.; *see* Depéret, C.; *see* Nicklès, R.
- Nomenclature, Sedimentary Rocks. *See* Depéret, C.; *see* Keyes, C. R.; *see* Kilian, W.; *see* Lapparent, A. de; *see* Munier-Chalmas, —; *see* Pavlov, A. P.; *see* Rouville, P. G. de.
- Nontronite. *See* Lacroix, A.
- Nord (France). *See* Carez, L.
- (—) Coalfield. *See* Gruner, E.
- Norfolk. *See* Whitaker, W.
- Pliocene. *See* Harmer, F. W.
- Soils and Lepidoptera. *See* Cruttwell, C. T.
- Norian Trias. *See* Mojsisovics von Mosjvár, E. von, &c.
- Brachiopoda. *See* Bittner, A.
- or 'Upper Laurentian' of Canada. *See* Adams, F. D.
- Normandy (France) Cenomanian. *See* Jukes-Browne, A. J., & W. Hill.
- , Jurassic Cephalopoda. *See* Brasil, L.
- , — Fauna. *See* Bigot, A.
- , Liassic Plants. *See* Lignier, O.
- Norrbotten (Sweden) Eruptive Rocks. *See* Svenonius, F.
- North American Lakes. *See* Herbertson, A. J.
- North Carolina. *See* Carolina.
- , Chrome.
- , Corundum. *See* Lewis, J. V.
- , Geological Surveys. *See* Klittke, M.
- , Gold. *See* Nitze, H. B. C., & H. A. J. Wilkens.
- , Kaolin- and Clay-Deposits. *See* Holmes, J. A.
- , Mineral Resources. *See* Blake, W. P.
- , Monazite. *See* Mezger, C. A.; *see* Nitze, H. B. C.
- (Western), Gold, Silver, and Copper. *See* Blake, W. P.
- , Underground Water-Supply. *See* Holmes, J. A.
- North Haven (Maine) Spherulite Volcanic Rocks. *See* Bayley, W. S.
- North Sea Dutch Coast. *See* Schroeder, van der Kolk, J. L. C.
- Northampton. *See* Thompson, B.
- Northumberland. *See* Barrow, G., &c.; *see* Gunn, W., &c.
- Coalfield. *See* Gallaway, R. L.
- Northupite. *See* Pratt, J. H.; *see* Schulten, A. de.
- Norway. *See* Björlykke, K. O.; *see* Friis, J. P.; *see* Helland, A.; *see* Reusch, H.; *see* Ryan, E.
- Norway Arctic. *See* Feilden, H. W.
- , Coastal Plain. *See* Reusch, H.
- , Earthquakes. *See* Reusch, H.
- , Glaciation. *See* Øyen, P. A.; *see* Reusch, H.; *see* Richter, E.
- , Granite Industry. *See* Riiber, C. C.
- , Hamar. *See* Björlykke, K. O.
- , Highland Quartzites. *See* Björlykke, K. O.; *see* Brögger, W. C.
- , Nisse Valley Iron Ore. *See* Vogt, J. H. L.
- , Soils of Jarlsbergs Amt & Larviks Amt (Christiania). *See* Helland, A.
- Norwegian Lakes. *See* Helland, A.
- Rocks. *See* Kjerulf, T.; *see* Reusch, H.
- Roofing Slates, Soapstone Paving and Building Stones. *See* Helland, A.
- Nothosauria. *See* Boulenger, G. A.
- Notogoneus*. *See* Woodward, A. S.
- Notre-Dame-des-Anges (Bouches-du-Rhône). *See* Fournier, E.
- Nottingham (Notts). *See* Coke, G. E., &c.
- Nottinghamshire Coalfield. *See* Coke, G. E.; *see* Gresley, W. S.
- Gypsum. *See* Metcalfe, A. T.
- Nova Scotia (Canada). *See* Chalmers, R.
- (—), Auriferous Conglomerates. *See* Lodin, A.
- (—), Carboniferous Lamellibranchiata. *See* Dawson, Sir J. W.
- (—), Earthquakes. *See* Montessus de Ballore, F. de.
- (—), Gold. *See* Mason, F. H.
- (—), Iron Ores. *See* Gilpin, E., jun.
- (—), Mines. *See* Gilpin, E., jun.
- (—), Stone Age. *See* Piers, H.
- (—), Surface Deposits. *See* Chalmers, R.
- Nova Scotian Gold. *See* Prest, W. H.
- Silurian Fauna. *See* Ami, H.
- Novaculites. *See* Griswold, L. S.
- Novalaise Valley (Savoy), Pontian. *See* Révil, J., & H. Douxami.
- Novaya Zemlya. *See* Feilden, H. W.
- Nubian Sandstone. *See* Floyer, E.
- Nucula*. *See* Bittner, A.; *see* Whidborne, G. F.
- Nuculites*. *See* Clarke, J. M.
- Numedal (S. Norway). *See* Reusch, H.
- Nummulites*. *See* Newton, R. B.
- Nummulitic Beds, Albesti (Roumania). *See* Popovici-Hatzeg, V.
- , Dévoluy (Hautes-Alpes). *See* Lory, P.
- , Les Baugés (Savoy). *See* Douxami, H., & M. Lugeon.
- Limestone, South-eastern Africa. *See* Newton, R. B.
- Nyctea nivea*, Italian Quaternary. *See* Regàlia, E.

- Oberharz (Harz). *See* Beushausen, L.
 ·Obsidian. *See* Bauer, M.
 ·Ocean-basins, Permanence of. *See*
 ·Nicholson, H. A.
 ·Oceanic Deposits & Areas. *See* Hamilton,
 A.
 ·Oceanica Iron Ores. *See* Birkinbine, J.
 ·Oceans, History of. *See* Suess, E.
 ·*Octopus*, Cretaceous. *See* Woodward,
 H.
 —, Fossil. *See* Crick, G. C.; *see*
 Woodward, H.
 ·*Oculina*. *See* Steinmann, G., &c.
 ·*Odontaspis*. *See* Priem, F.
 ·*Odontochile*. *See* Kayser, E.
 ·*Ecoptychius*. *See* Brasil, L.
 ·*Offaster*. *See* Schlüter, C.
 ·*Ogygia*. *See* Bergeron, J.; *see* Crosfield,
 M. C., & Skeat, E. G.
 ·Ohio Building Stones. *See* Day, W. C.
 — Clinton Beds. *See* Foerste, A. F.
 — Coal. *See* Parker, E. W.
 — Devonian Fishes. *See* Claypole, E.
 W.
 — Drift, Human Relics. *See* Claypole,
 E. W.
 —, Geological Surveys. *See* Klittke,
 M.
 — Natural Gas. *See* Weeks, J. D.
 — Silurian Rocks. *See* Foerste, A. F.
 ·'Öiegneise.' *See* Schiötz, O. E.
 ·Oil, Rock. *See* Petroleum.
 —, Shale. *See* Anon, 14.
 ·Oil-Region, Baku (Apscheron Peninsula,
 Russia). *See* Hume, W. F.
 ·Oil-Regions. *See* Ochsenius, C.
 —, U.S.A. *See* Weeks, J. D.
 ·Okeford Fitzpaine (Dorset) Cretaceous
 Zones. *See* Newton, R. B.
 ·Oklahoma (U.S.A.) Water Supply. *See*
 ·Newell, F. H.
 ·Oláhláposbánya, Szolnok-Doboka (Hun-
 gary). *See* Gesell, A.
 ·Old Red Sandstone Extinct Vertebrata,
 Moray Firth Area. *See* Traquair, R.
 H.
 —, Fishes. *See* Macnair, P., &
 J. Reid.
 —, Island of Arran. *See*
 ·Neilson, J.
 —, Scottish. *See* Macnair, P., &
 J. Reid.
 ·*Olenellus*-zone, Alto Alemtejo (Portu-
 gal). *See* Delgado, J. F. N.
 —, Canada. *See* Dawson, Sir J. W.
 ·Oligocene, Alpine Europe. *See* Oppen-
 heim, P.
 — Fauna, Bernese Jura. *See* Kissling,
 E.
 —, Gaas (Landes). *See* Raulin, V.
 — Mammalia. *See* Boule, M.
 — (Middle) Fauna, Bernese Jura. *See*
 ·Kissling, E.
 — Sandstone Dykes, Alaty, Simbirsk
 (Russia). *See* Pavlov, A. P.
 ·*Oliva*. *See* Steinmann, G., &c.
 ·Olivine. *See* Bauer, M.
 — Group. *See* Thaddéev, C.
 ·Olivine Rock, Norwegian. *See* Kjerulf, T.
 ·Olmütz, (Moravia). *See* Tietze, E.
 ·Oman (South-east Arabia). *See* Miles,
 S. B.
 ·Ombret (Liége) Silurian Fauna. *See*
 Destinez, P.
 — (—), Palæozoic Fauna near.
 ·*See* Forir, H.
 ·Omenica River (B.C.). *See* McConnell,
 R. G.
 ·*Oncophora* - deposits, Hausruck Mts.
 (Upper Austria). *See* Tausch, L. von.
 —, Moravia. *See* Rzehak, A.
 —, St. Polten (Lower Austria). *See*
 ·Bittner, A.
 ·Ontario Anhydrite. *See* Nicol, W.
 — (Canada) Economic Minerals. *See*
 ·Merritt, W. H.
 —, Laurentian System Dykes. *See*
 ·Miller, W. G., & R. W. Brock.
 ·*Onustus*. *See* Hudleston, W. H.
 ·*Onychochilus*. *See* Clarke, J. M.
 ·Onyx Marbles. *See* Courtenay, —; *see*
 ·Kalb, C. de; *see* Merrill, G. P.
 ·*Oochytrium*. *See* Renault, B.
 ·Oolitic Gasteropoda. *See* Hudleston, W.
 H.
 — Mollusca. *See* Thompson, B.
 — Reptilia. *See* Parker, J.
 — Rocks of England. *See* Woodward,
 H. B.
 ·Opal. *See* Bauer, M.; *see* Kunz, G. F.
 ·*Operculina*. *See* Oppenheim, P.
 ·Ophidia, Cretaceous. *See* Sauvage, H. E.
 ·*Ophileta*. *See* Tate, R.
 ·*Ophioglossites*. *See* Renault, B.
 ·Ophites. *See* Lacroix, A.
 ·Ophitic Eruptive Rocks, Algeria. *See*
 ·Gentil, L.
 ·*Opis*. *See* Bigot, A.
 ·*Opissaster*. *See* Loriol, P. de.
 ·*Oppelia*. *See* Brasil, L.
 ·*Opsis*. *See* Bittner, A.
 ·Oquirrh Mts. (Utah). *See* Spurr, J. E.
 ·Oran (Algeria). *See* Gentil, L.
 ·Orange Free State. *See* Struben, F. P. T.
 ·*Orbitoides*. *See* Martin, K.
 ·Ordovician, Anglesey. *See* Greenly, E.
 —, Central Australia. *See* Tate, R.
 — Crinoids. *See* Bather, F. A.
 — Fauna, North America. *See*
 ·Matthew, G. F.
 —, Hérault. *See* Bergeron, J.; *see*
 ·Rouville, P. G. de.
 — System, New Brunswick. *See*
 ·Matthew, G. F.
 — Trilobites. *See* Bergeron, J.; *see*
 ·Lake, P.; *see* (Ehlert, D. P.; *see* Reed,
 F. R. C. *See* Trilobites.
 ·Ore Deposits. *See* Day, D. T.; *see*
 ·Phillips, J. A., & H. Louis; *see*
 ·Vogt, J. H. L.
 —, *See* Mineral Deposits.
 —, Altenberg (Silesia). *See*
 ·Rosenberg-Lipinsky, — von.
 —, Bosnian. *See* Bordeaux, A.
 —, Californian. *See* Yale, C. G.
 —, Chilian. *See* Möricke, W.

- Ore Deposits, Erzgebirge (Bohemia). See Dalmer, K.
- , Kallwang (Upper Styria). See Vacek, M.
- , Ontario. See Merritt, W. H.
- , Sandberger's Theory. See Carthaus, E.
- , Upper Lausitz (Silesia). See Rosenberg-Lipinsky, — von.
- Oregon Building Stones. See Day, W. C.
- Coal. See Parker, E. W.
- , Geological Surveys. See Klittke, M.
- , 'John Day' Miocene Mammalia. See Eyerman, J.
- Water Supply. See Newell, F. H.
- Organic Markings, Lake Superior Iron Ores. See Gresley, W. S.
- Origin of Gold Deposits. See Kraatz, K. von.
- Origin of Species. See Ortmann, A. E.
- by Separation. See Ortmann, A. E.
- Orne (France) Cenomanian. See Jukes-Browne, A. J., & W. Hill.
- Orneau Valley (Namur). See Stainier, X.
- Orotaxis. See Keyes, C. R.
- Oroville (Cal.) Mesozoic Plants. See Fontaine, W. M.
- Orsa Finmark (Dalarne). See Svedmark, E.
- Ortenburg (Lower Bavaria) Miocene. See Lienenklaus, E.
- Orthez (Basses-Pyrénées) Miocene. See Degrange-Touzin, A.
- Orthis. See Barrois, C.; see Hicks, H.; see Kayser, E.; see Suess, E., &c.; see Tate, R.
- Orthoceras. See Clarke, J. M.; see Maurer, F.; see Miller, S. A., &c.; see Mojsisovics von Mojsvár, E. von; see Tate, R.; see Whidborne, G. F.
- shales, Rupbach Valley (Rhenish Prussia). See Maurer, F.
- Orthoclase. See Traube, H.
- Orthonychia. See Whidborne, G. F.
- Orycteropus. See Andrews, C. W.
- Oshima Island (Japan). See Yamasaki, N.
- Osmerus. See Bonomi, I.
- Ossau Valley (Pyrenees). See Stuart-Menteth, P. W.
- Osteolepis. See Traquair, R. H.
- Ostracoda. See Jones, T. R.; see Kirkby, J. W.; see Koken, E.; see Woodward, H.
- , See Entomostraca.
- , Barry Dock Deposits. See Strahan, A., &c.
- , Bear River Beds. See White, C. A.
- , Bernese-Jura Oligocene. See Kissling, E.
- , Californian Pliocene. See Chapman, F.
- , Carboniferous. See Jones, T. R., & J. W. Kirkby.
- Ostracoda, Devonian. See Whidborne, G. F.
- , Fulham (Middlesex) Pleistocene. See Chapman, F.
- , Miocene. See Lienenklaus, E.
- , Oligocene. See Kissling, E., &c.
- , Silurian. See Möberg, J. C.
- , Upper Chalk. See Strahan, A., &c.
- Ostrau-Karwin Coalfield (Moravia). See André, T.
- Ostrea. See Bizet, T.; see Philippi, E.; see Steinmann, G., &c.
- (*Gryphæa*) Esterházyi. See Suess, E., &c.
- Ostreidæ, Bear River Beds. See White, C. A.
- Otocolidæ. See Cope, E. D.
- Otocelus. See Cope, E. D.
- Otodus. See Priem, F.
- Ottawa Canal Route, Canada. See Ells, R. W., & A. E. Barlow.
- Co. (Canada), Syenite-gneiss. See Gordon, C. H.
- (Ont.), Apatite-bearing Rocks. See Ells, R. W.
- (—), Caddis Fly in Leda-clays. See Scudder, S. H.
- Valley (Ontario & Quebec) Quaternary. See Taylor, F. B.
- Oterbourne (Hants). See Matthews, W.
- Otreélite. See Cole, G. A. J.; see Durandière, A. de la.
- Phyllite, Wattle Flat (N.S.W.). See Card, G. W.
- Ouaransenis (Algeria), Calamine Deposits. See Gentil, L.; see Repelin, —.
- Oued Cherf Valley, Constantine (Algeria). See Blayac, J.
- Ouro Preto (Brazil) Actinolite. See Costa-Sena, J. C. da.
- Oxford Clay Echinoderms. See Gregory, J. W.
- Fishes. See Woodward, A. S.
- Oxfordian, Côte d'Or. See Collot, —.
- Oxyrhina. See Priem, F.
- 'Ozark Island' (Mo.). See Weller, S.
- Ozarks (Miss.) Granites & Porphyries. See Keyes, C. R.
- Pachycardia*. See Bittner, A.
- Pachycormus*. See Woodward, A. S.
- Pachydermata, Tertiary. See Depéret, C.
- Pachyornis*. See Hutton, F. W.
- Pachytesta*. See Renault, B.
- Pacific Coast Cretaceous Fauna. See Stanton, T. W.
- Ocean. See Suess, E.
- Padirac (Lot) Caverns. See Martel, E. A.
- Paffrath (Rhenish-Prussia) *Stringocephalus*-limestone. See Winterfeld, F.
- Painkanda (Central Himalayas). See Diener, C.
- Paire, near Clavier (Liège), Carboniferous. See Destinez, P.; see Dewalque, G.

- Palæacis*. See Anon. (Earthworm).
 — *humilis*. See Hinde, G. J.
Palæacmæa. See Barrois, C.
Palæarca. See Tate, R.
Palæchinides Zone, Liège. See Forir, H.
 — limestone, North of France Carboniferous. See Lohest, M.
Palæchinoidea. See Jackson, R. T.
Palæoblattaria. See Scudder, S. H.
 Palæobotany and Evolution. See Seward, A. C.
Palæocarpilus. See Vinassa de Regny, P. E.
Palæochærus. See Studer, T.
Palæocorystes. See Woodward, H.
 Palæogeography. See Lapparent, A. de.
Palæohydantina, Jurassic. See Cossmann, M.
Palæolimnas. See Milne-Edwards, A.
 — *chathamensis*. See Andrews, C. W.
 Palæolithic Age in Hertfordshire. See Evans, Sir J.
 — Deposits, Hoxne (Suffolk). See Reid, C.; see Reid, C., & H. N. Ridley.
 — Implements, Micoque (Dordogne). See Chauvel, G., & E. Riviere.
 —, Somaliland. See Evans, Sir J.
 — Period. See Southall, J. C.
 — Station, Schweizbild (Schaffhausen). See Steinmann, G.
Palæomæandron. See Fuchs, T.
Palæomeryx. See Studer, T.
Palæoneilo. See Bittner, A.
 Palæontographical Society. See Anon., 35.
 — Society's History. See Anon., 2.
 Palæontological Biology. See Shaler, W. H.
 Palæontology. See Cole, G. A. J.; see Gaudry, A.
 — & Biogenetic Law. See Zittel, K. von.
 — & Röntgen Rays. See Lemoine, V.
Palæopetaurus. See Broom, R.
Palæoporella. See Stolley, E.
Palæosolen. See Miller, S. A., & c.
Palæospinax. See Fraas, E.
 Palæozoic Brachiopoda. See Barrois, C.; see Béclard, F.; see Clarke, J. M.; see Gosselet, J.; see Hall, J.; see Hicks, H.; see Miller, S. A., & W. F. E. Gurley; see Stolley, E.
 — Corals. See Barrois, C.; see Frech, F.; see Hinde, G. J.; see Lindström, G.; see Wentzel, J.
 — Crinoids. See Bather, F. A.; see Miller, S. A., & W. F. E. Gurley; see Tate, R.; see Weller, S., & A. D. Davidson.
 — Crustacea. See Beecher, C. E.; see Bergeron, J.; see Clarke, J. M.; see Jones, T. R.; see Kayser, E.; see Kirkby, J. W.; see Koken, E.; see Maurer, F.; see Miller, S. A., & W. F. E. Gurley; see Möberg, J. C.; see Reed, F. R. C.; see Whidborne, G. F.; see Woodward, H.
 Palæozoic Deposits, Poland. See Teisseyre, W.
 —, Saint-Chinian (Hérault). See Bergeron, J.; see Rouville, P. G. de, & c.
 — Echinoderms. See Jackson, R. T.; see Jackson, R. T., & T. A. Jaggar, Jun.
 — Fauna. See Marr, J. E.; see Miller, S. A., & W. F. E. Gurley; see Whidborne, G. F.; see Worthen, A. H.
 —, Belgium. See Forir, H.
 —, British. See Hicks, H.
 —, Illinois. See Worthen, A. H.
 —, Mississippi Valley, & c. See Miller, S. A., & W. F. E. Gurley.
 —, Missouri. See Weller, S.
 — near Meuse River, & c. (Liège). See Forir, H.
 —, North Devon & West Somerset. See Hicks, H.; see Whidborne, G. F.
 — Fishes. See Eastman, C. R.; see Traquair, R. H.; see Woodward, A. S.
 — Formation, Arkansas. See Branner, J. C.
 — Graptolites. See Graptolites.
 — Industrial Products. See Anon., 13.
 — Irish Ostracoda. See Jones, T. R., & J. W. Kirkby.
 — Mollusca. See Cephalopoda, Gastropoda, & c.
 — Phyllopora. See Jones, T. R.
 — Plants. See Renault, B.; see Scott, D. H.; see Seward, A. C.; see Williamson, W. C.; see Zeiller, R.
 — Rocks, Galician Podolia. See Teisseyre, W.
 —, Mississippi Basin. See Keyes, C. R.
 —, Tomsk (Siberia). See Peetz, H. de; see Vénukov, P.
 — under Ware & Cheshunt (Herts). See Francis, J.
 —, West Somerset & North Devon. See Hicks, H.
 — Radiolaria. See Radiolaria.
 — Schists, Caucasus (Russia). See Inostranzev, A., & c.
 — Seas, Depths of. See Wethered, E. B.
 — Sponges. See Sponges.
 — Terranes, Connecticut Valley. See Hitchcock, C. H.
 Palestine. See Hull, E.
 Palfen (Styria). See Doll, E.
 Palinuridae. See Woodward, H.
 Palladium, Harz (Germany). See Lüdecke, O.
Pallenia. See Jones, T. R.
 Palliser Exploration, British North America. See Whiteaves, J. F.

- Palmaria Island (Gulf of Spezia). *See* Capellini, G.
- Palms, Italian Fossil. *See* Bureau, E.
- Paludina*. *See* Huddleston, W. H.
- Palzendorf (Moravia) Natrolite. *See* Eichleiter, C. F.
- Pamirs (Central Asia). *See* Curzon, G. N.; *see* Suess, E., &c.
- Panenka*. *See* Whidborne, G. F.
- Panscoræa*. *See* Fuchs, T.
- Papyrotheca*. *See* Lörenthey, I.
- Parabolinella*. *See* Crosfield, M. C., & Skeat, E. G.
- Paracladiscites*. *See* Mojsisovics von Mojsvár, E. von.
- Paracyclas*. *See* Barrois, C.
- Paradoxides*-beds, West Gotland (Sweden). *See* Wallerius, I. D.
- Paradozocarpus*. *See* Andersson, J. G.
- Parajuavites*. *See* Mojsisovics von Mojsvár, E. von.
- Parallelodon Egertonianus* from Somaliland. *See* Newton, R. B.
- Paraná (Argentina), Eocene Fishes. *See* Alessandri, G. de.
- Paratibetites*. *See* Mojsisovics von Mojsvár, E. von.
- Pardubitz-Elbe-Teinitz, &c. District (Eastern Bohemia). *See* Jahn, J. J.
- Pareiasauridæ, *See* Cope, E. D.
- Pareiasaurus*. *See* Seeley, H. G.
- Pariotichidæ. *See* Cope, E. D.
- Paris, Avre Aqueduct. *See* Ramond, G.
- Basin. *See* Carez, L.; *see* Dollfus, G. F.; *see* Grossouvre, A. de; *see* Janet, L.; *see* Thomas, H.
- , 'Calcaire grossier.' *See* Gosselet, J.
- , Eocene. *See* Gosselet, J.
- , Water Supply. *See* Ramond, G.
- Parisian. *See* Reyt, L.
- Parma (Emilia) Tertiary. *See* Del Prato, A.
- Museum, Neogene Echinoidea. *See* Vinassa de Regny, P. E.
- Pas-de-Calais (France) Coalfield. *See* Anon., 34; *see* Gruner, E.; *see* Soubeiran, A.
- Passenheim (E. Prussia). *See* Gagel, C. B.
- Passow (Brandenburg). *See* Beushausen, L.
- Patagonia. *See* Arctowski, H.; *see* Mercerat, A.; *see* Philippi, R. A.
- , Extinct Birds. *See* Andrews, C. A.
- , — Mammalia. *See* Ameghino, F.
- , Geology of. *See* Ameghino, F.
- Patella*. *See* Huddleston, W. H.; *see* Oppenheim, P.
- Pausram (Moravia) Tertiary. *See* Rzehak, A.
- Pavian Apennines, Earthquake. *See* Baratta, M.
- Paving Stones, Norwegian. *See* Helland, A.
- Peak Cavern (Derby). *See* Martel, E. A.
- Peaks, Isolated Submarine. *See* Littlehales, G. W.
- Pearceite. *See* Gaubert, P.; *see* Penfield, S. L.
- Pearls. *See* Bauer, M.
- Peat. *See* Gruner, H.; *see* Ramann, E.; *see* Ryan, E.; *see* Shaler, N. S.; *see* Southall, J. C.
- Beds, Jersey. *See* Dunlop, A.
- , Dutch. *See* Bemmelen, J. M. van.
- Moor, Origin of. *See* Helsing, G.
- , Stormur (Sweden). *See* Helsing, G.
- , near Nettuno (Prov. Rome). *See* Meli, R.
- , North Nerike (Sweden). *See* Sernander, R., & K. Kjellmark.
- , Rome (Prov. of). *See* Meli, R.
- , Smaalenene (Norway). *See* Ryan, E.
- Pebble Bed Deposits of the Adour River (S. France). *See* Harlé, É.
- Fauna, Dutch Diluvial. *See* Krause, G.
- Phosphates, Florida. *See* Codington, E. W.
- Pebbles, Belgian Coal Seam. *See* Stainier, X.
- , North German White Flint Diluvium. *See* Jentzsch, A.
- , Schleswig-Holstein Cambrian & Silurian. *See* Stolley, E.
- 'Pebbly Gravel,' East of England. *See* Salter, A. E.
- Quartz-schist, Val d'Anniviers (Pennine Alps). *See* Bonney, T. G.
- Pecatonica (Ill.), Ancient Lake. *See* Hershey, O. H.
- Pecopteris*. *See* Johnston, R. M.; *see* Lima, W. de; *see* Renault, B.
- Pecten*. *See* Bittner, A.; *see* Bizet, T.; *see* Oppenheim, P.; *see* Steinmann, G., &c.; *see* Vinassa de Regny, P. E.
- Pectunculus*. *See* Steinmann, G., &c.
- Pegazono (Liguria), Bone Cavern near. *See* Capellini, G.
- Pegli (Liguria). *See* Franchi, S.
- Pegmatite Veins, Bedford (N.Y.). *See* Luqueur, L. McI., & H. Ries.
- Pegmatites, Atlantic Piedmont Plateau. *See* Williams, G. H.
- & Granites, Maryland (U.S.A.). *See* Keyes, C. R., &c.
- , Styrian. *See* Bauer, C.
- Pegmatitic Rocks. *See* Rosenbusch, H.
- Pelecypoda, Classification of. *See* Woodward, B. B.
- Peltopleurus*. *See* Bassani, F.
- Peltura*. *See* Crosfield, M. C., & Skeat, E. G.
- Pelvoux Massif (Isère). *See* Termier, L.
- Pembrokeshire Coalfield. *See* Anon., 36.
- , Ice-action. *See* Hicks, H.
- Pemmatites constipatus*. *See* Hinde, G. J.

- Penæidea. See Woodward, H.
 Pendulum and Geology. See Gravity.
 —, Horizontal. See Davison, C.
 —, Measurements. See Davison, C.; see Milne, J.
 —, Observations in United States. See Putnam, G. R.
Pennatulites. See Fuchs, T.
 Pennine Alps. See Bonney, T. G.
 —, Waters of Monte Rosa. See Giacosa, P.
 Pennsylvania. See Lesley, J. P., &c.
 —, Anthracite. See Jones, J. H.
 —, —, Beds, Folds & Faults. See Lyman, B. S.
 —, Building Stones. See Day, W. C.
 —, Chrome. See Glenn, W.
 —, Coal. See Parker, E. W.
 —, Coalfields. See Lakes, A.; see Lesley, J. P., &c.
 —, Corundum. See Lewis, J. V.
 —, Geological Surveys. See Klittke, M.
 —, Glaciation. See Kümmel, H. B.
 —, Iron Ores. See Birkinbine, J.
 —, Natural Gas. See Weeks, J. D.
 —, Petroleum. See Weeks, J. D.
 —, Salt. See Parker, E. W.
 Pennsylvanian Aporhyolites. See Bascom, Florence.
 —, Cambrian Rocks. See Walcott, C. D.
Pentamerus. See Barrois, C.; see Weller, S., & A. D. Davidson.
 Penton (Cumberland) Gasteropoda. See Donald, Jane.
Perameles. See Broom, R.
 Percussion Figures on Mica Cleavage Plates. See Walker, T. L.
 Perekop Tertiary Deposits (Black Sea). See Sokolov, N.
Pereinaia Gervaisii. See Kramberger, G.
 —, —, Miocene, Ivandol (Carniola). See Hörnes, R.
Periacanthus. See Bittner, A.
 Perido-Steatite. See Bascom, Florence.
 Peridotite. See Rosenbusch, H.
 —, East-Central Alps. See Weinschenk, E.
 —, Monte delle Croci, near Montefiascone (Prov. Rome). See Fantappiè, L.
 Periods, Geological. See Fairchild, H. Le R.
 Perischochimidæ. See Jackson, R. T.
 Perissoctyls, Dakota Miocene. See Osborn, H. F., & J. L. Wortman.
 Perlitic Structure. See Watts, W. W.
 Permian, Cahors-District (Lot). See Fournier, E.
 —, Carinthia (Austria). See Geyer, G.
 —, Fauna, Central Asia. See Suess, E., &c.
 —, Glacial Deposits, Salt-Range (Panjab). See Nötling, F.
 —, Industrial Products. See Anon., 13.
 —, Kaiseroda (Meiningen). See Frantzen, W.
 Permian, Midlands. See Brodie, P. B.
 —, Plants. See Renault, B.
 —, —, German. See Potonié, H.
 —, Radiolaria, Montenotte (Liguria). See Parona, C. F., & G. Rovereto.
 —, Reptilia. See Cope, E. D.
 —, Rocks, Analyses. See Holland, P., &c.
 —, Typical Fossils. See Koken, F.
 —, Ufa Gov. (E. Russia). See Netschaev, A.
 Permo-Carboniferous, Apennine. See Sacco, F.
 —, Glacial Erratics of Australia. See David, T. W. E.
 —, Plants, Tasmanian. See Johnston, R. M.
 Permo-Triassic Plants. See Zeiller, R.
 Péronne (Somme), Phosphatic Chalk Fishes. See Priem, F.
 Persia. See Paton, W. R., & J. L. Myres; see Vaughan, H. B.; see Wells, H. L.
 —, Turquoise. See Elias, —.
 Perthshire Earthquake. See Davison, C.
 Peru, Petroleum. See Weeks, J. D.
Petalocrinus. See Weller, S., & A. D. Davidson.
Petalodus. See Eastman, C. R.
Petaurus. See Broom, R.
 Petite Anse (La.), Pleistocene Mammalia. See Cope, E. D.
 Petrographical Microscope. See Leiss, C.
 Petrography, 'Anhedron.' See Pirsson, L. V.
 —, in 1895. See Bayley, W. S.
 Petroleum. See Ochsénus, C.; see Weeks, J. D.
 —, Alsace. See Jasper, —; see Werweke, L. von.
 —, Baku (Apscheron Peninsula). See Hume, W. F.
 —, Kansas. See Dains, F. B.
 —, Origin of. See Ochsénus, C.
 —, United States. See Weeks, J. D.
 Petrological Nomenclature. See Hunt, A. R.
 Petrology. See Cohen, E.; see Cole, G. A. J.; see Fletcher, L.; see Gruner, H.; see Rosenbusch, H.
 —, See Igneous Rocks, &c.
 —, American. See Harker, A.
 —, Spanish. See Mallada, L.
Phacops. See Etheridge, R., Jun., & John Mitchell; see Kayser, E.; see Whidborne, G. F.
Phanodesmia. See Bittner, A.
Phascogale. See Broom, R.; see Ogilby, J. D.
 Phenakite. See Bauer, M.
Phialina. See Fornasini, C.
 Philippine Islands, Seismology. See Saderra Masó, P. M.
 —, Tertiary Mollusca. See Martin, K.

- Phillipsia*. See Whidborne, G. F.
 Phira, Isle of (Santorin). See Lacroix, A.
Pholidomya. See Bizet, T.
Pholidophorus. See Bassani, F.; see Woodward, A. S.
 Phonolite, Columbretes (Gulf of Valencia). See Becke, F.
 Phosgenite. See Goldschmidt, V.; see Traube, H.
 Phosphate, Alabama. See Smith, E. A.
 —, Algerian. See Blayac, J.
 —, Deposits, Florida Rocks. See Wells, G. M.
 —, of Lime Deposits and Associated Gasteropod Genus *Cyclora*. See Miller, A. M.
 —, —, London Basin. See Mercey, N. de.
 —, —, Mode of Formation in Sedimentary Deposits. See Carnot, A.
 Phosphates. See Gruner, H.
 —, Alabama. See Smith, E. A.
 —, Albion District (Fla.) See Cox, E. T.
 —, Florida. See MacFarlane, G.
 —, —, Pebble. See Codington, E. W.
 —, Picardie (France). See Gosselet, J.
 —, Tennessee (U.S.A.). See Hayes, C. W.; see Memminger, C. G.; see Safford, J. N.
 —, Tunis. See Cayeux, L.
 Phosphatic Chalk Fishes. Péronne (Somme). See Priem, F.
 —, —, Lewis (Sussex). See Strahan, A., &c.
 Phosphorescent Diamond. See Künz, G. F.
 Phosphorite Bearing Rocks, Sweden. See Andersson, J. G.
 Photographs, Geological. See Jeffs, O. W.
Phthonia. See Whidborne, G. F.
Phycograptus. See Gurley, R. R.
 Phyllade. See Cole, G. A. J.; see Hunt, A. R.
 Phyllite. See Cole, G. A. J.; see Hunt, A. R.
Phyllites. See Ettingshausen, C. Freih. von.
 —, Norwegian Highland. See Brögger, W. C.
 —, Spanish. See Mallada, L.
Phyllocardium. See Stefanescu, S.
Phyllocarida. See Woodward, H.
Phylloceras. See Brasil, L.; see Fucini, A.; see Levi, G.; see Mojsisovics von Mojsvár, E. von.
 —, Monte Pisano (Tuscany), Marble with. See Fucini, A.
Phyllograptus. See Holm, G.; see Wiman, C.
 Phyllopeda. See Jones, T. R.; see Koken, E.; see Woodward, H.
Phyllothea. See Zeiller, R.
Phymatoderma. See Fuchs, T.
Physeter. See Flot, L.
Physetocrinus. See Miller, S. A., &c.
 Physical Crystallography. See Liebisch, T.
 —, Geography. See Lapparent, A. de.
 Physiography. See Davis, W. M.; see Hann, J., &c.; see Marr, J. E.; see Supan, A.
 Piacenzian, Apennine. See Sacco, F.
 Pianico (Lombardy) Interglacial Deposits. See Baltzer, A.
 Piano, Monti (Reggio, Emilia). See Simonelli, V.
 Pianura (Naples) Ancient Lake. See Johnston-Lavis, H. J., & E. Flores.
 Picardie (France) Phosphates. See Gosselet, J.
 Picentini, Monti (near Naples). See Böse, E.
Pichleria. See Bittner, A.
 Pickeringite. See Card, G. W.
 Pickwell Down Beds. See Hicks, H.; see Whidborne, G. F.
 Picrite. See Rosenbusch, H.; see Eichleiter, C. F.
 Picton Coal Mines (Nova Scotia), Effect of Fires in. See Gilpin, E., Jun.
 Piedmont Plateau Region, South-Eastern United States Underground Water-Supply. See Holmes, J. A.
 —, Pliocene Corals. See Osasco, E.
 —, —, Plants. See Peolo, P.
 —, Tertiary Fishes. See De Alessandri, G.
 Pielach River (Lower Austria). See Bittner, A.
 Pierrefeu, Gouffre de (Jura). See Chevrot, —.
 Pietrè Nere Point, Foggia (Apulia). See Di-Stefano, G.
 Pièux, Les (Manche). See Bigot, A.
Pila. See Renault, B.
 —, & Kerosene Shales. See Bertrand, C. E.
 Pilgrims' Rest District, Transvaal. See Brown, N.
 Pilsen Coalfield (Bohemia). See Remy, —.
 Pilton-Beds. See Hicks, H.; see Whidborne, G. F.
Pinacóceras. See Mojsisovics von Mojsvár, E. von.
 Pindus Mt. (Greece). See Philippon, A.
 Pine Forest, Bray (Co. Dublin), Submerged. See Praeger, R. L.
 Pinerolo (Piedmont). See Franchi, S., & V. Novarese.
Pinités. See Renault, B.; see Seward, A. C.
Pinna. See Bittner, A.; see Bizet, T.
 Pipestone District (Manitoba). See Donaghy, J. A.
 Pirssonite. See Gaubert, P.; see Pratt, J. H.; see Schulten, A. de.
 Pisa (Tuscany) Water Supply. See Gasperini, G.

- Pisano, Monte (Tuscany). *See* Fucina, A.; *see* Sacco, F.; *see* Vinassa de Regny, P. E.
- Pisidium*. *See* Stefanescu, S.
- Pisocrinus*. *See* Miller, S. A., &c.
- Pisolitic Limestone. *See* Weston, T. C.
- Pitch Coal, Wirtatobel (Vorarlberg), &c. *See* Gümbel, W. von.
- Lake, Trinidad (W. I.). *See* Cronise, A.
- Springs, Keri (Zante). *See* Mitzopoulos, K.
- , Trinidad (W. I.). *See* Peckham, S. F., & L. A. Linton.
- Pithecanthropus*. *See* Dubois, E.; *see* Hull, E.; *see* Marsh, O. C.
- Placites*. *See* Mojsisovics von Mojsvár, E. von.
- Placoderms, Ohio Devonian. *See* Claypole, E. W.
- Placunopsis*. *See* Bittner, A.
- Plagiolophus*. *See* Woodward, H.
- Plains of Marine and Subaerial Denudation. *See* Davis, W. M.
- Planorbulina*. *See* Fornasini, C.; *see* Jones, T. R.
- Plant Origin of Iron Ores. *See* Molisch, H.
- Plants. *See* Fuchs, T.
- , Alaska Fossil. *See* Knowlton, F. H.
- , Argentina. *See* Kurtz, F.
- , Artificial Fossilization of Tissue. *See* Clerici, E.
- , Australian Cretaceous. *See* Ettingshausen, C. Freih. von.
- , — Eocene. *See* Fuchs, T.
- Barry Dock Deposits. *See* Strahan, A., &c.
- , Bornholm (Baltic) Jurassic. *See* Bartholin, C. T.
- , Brazilian Coal-. *See* Zeiller, R.
- , British Columbian Tertiary. *See* Monckton, G. F.
- , Californian Mesozoic. *See* Fontaine, W. M.
- , Carboniferous. *See* Gosselet, J.; *see* Horne, J.; *see* Kidston, R.; *see* Lima, W. de; *see* Potonié, H.; *see* Seward, A. C.; *see* Solms-Laubach, Count H. zu; *see* Zeiller, R.
- , — Bacteriaceae. *See* Renault, B.
- , Cretaceous. *See* Doblhoff, B. J.
- , European Tertiary. *See* Ettingshausen, C. Freih. von.
- , Flysch Algæ. *See* Gümbel, W. von.
- , Formation of Kerosene Shale by. *See* Bertrand, C. E.
- , Fossil. *See* Kidston, R.; *see* Renault, B.; *see* Scott, D. H.; *see* Seward, A. C.; *see* Williamson, W. C.; *see* Zeiller, R.
- , — Fig-trees. *See* Capellini, G.
- , — Wood. *See* Felix, J.
- , Fucoides, &c. *See* Gabelli, L.
- , German Carbo-Permian. *See* Potonié, H.
- Plants, Isle of Phira (Santorin). *See* Lacroix, A.
- , Italian Fossil Palms. *See* Bureau, E.
- , Johannesburg (Transvaal). *See* Launay, A. de; *see* Zeiller, R.
- , Leigh Creek Coalfield (Central Australia). *See* Etheridge, R., Jun.
- , Liassic. *See* Lignier, O.
- , Martha's Vineyard (Mass.) Cretaceous. *See* Hollick, A.
- , Palæozoic, &c. *See* Seward, A. C.
- , Permian. *See* Potonié, H.; *see* Renault, B.
- , Permo-triassic. *See* Zeiller, R.
- , Piedmont Pliocene. *See* Peola, P.
- , Pleistocene, Hoxne (Suffolk). *See* Reid, C.
- , Pliocene. *See* Krašan, F.
- , Potomac Formation. *See* Ward, L. F.
- , Purbeck. *See* Seward, A. C.
- , Quaternary. *See* Andersson, G.
- , — of Finland. *See* Herlin, R.
- , Rhenish-Prussian Devonian. *See* Solms-Laubach, Count H. zu.
- , Rio Grande do Sul (Brazil) Carboniferous. *See* Zeiller, R.
- , Rochdale Coal-measure. *See* Hick, T.
- , Scotch Devonian. *See* Penhallow, D.
- , Secondary. *See* Capellini, G., & Count E. zu Solms-Laubach.
- , South American Tertiary. *See* Engelhardt, H.
- , Southern Finland Glacial Deposits. *See* Herlin, R.
- , — Hemisphere Cretaceous. *See* Ettingshausen, C. Freih. von.
- , Structure of Vienna Flysch Fossil Wood. *See* Krasser, F.
- , Swedish Fossil. *See* Nathorst, A. G.
- , — Peat. *See* Helsing, G.; *see* Sernander, R., & K. Kjellmark.
- , Tertiary & Recent. *See* Ettingshausen, C. Freih. von.
- , Timber under Alluvial Drift at Swansea (Tasmania). *See* Legge, W. V.
- , Transvaal Permo-Triassic. *See* Zeiller, R.
- , Trenton Limestone. *See* Whiteaves, J. F.
- , Triassic. *See* Hofer, H.
- , Vancouver (B. C.) Tertiary. *See* Dawson, Sir J. W.
- , Wealden. *See* Seward, A. C.
- , Westphalian Carboniferous Wood Structure. *See* Felix, J.
- , Work of G. de Saporta. *See* Zeiller, R.
- , Yellowstone National Park (U.S.A.) Tertiary. *See* Felix, J.; *see* Knowlton, F. H.
- , Yorkshire Coalfield. *See* Kidston, R.
- Plasencian. *See* Dépéret, C.

- Plateau Implements. *See* Harrison, B.
 Platinum. *See* Day, D. T.
 —, Fifield (N.S.W.). *See* Jaquet, J. B.
 —, Nijne-Tourinsk (Perm). *See* Bourdakov, V. J., & J. M. Hendrikhov.
Platycarcinus. *See* Vinassa de Regny, P. E.
Platyceras. *See* Barrois, C.; *see* Etheridge, R., Jun.
Platycrinus. *See* Miller, S. A., &c.
Platystegos. *See* Dawson, Sir J. W.
 Pleistocene Beds, Maltese Islands. *See* Cooke, J. H.
 —, Cergy, near Pontoise (Seine-et-Oise). *See* Laville, A.
 — Deposits, Illinois. *See* Hershey, O. H.
 — —, New Brunswick. *See* Chalmers, R.
 — —, N.W. Canada. *See* Tyrrell, J. B.
 — Freshwater Limestone, Bohemian. *See* Jahn, J. J.
 —, Hoxne (Suffolk). *See* Reid, C., & H. N. Ridley.
 —, Illinois. *See* Hershey, O. H.
 —, Javanese *Pithecanthropus*. *See* Hull, E.
 —, Maltese Dormouse. *See* Lydekker, R.
 — — Islands. *See* Cooke, J. H.
 — Mammalia, Petite Anse (La.). *See* Cope, E. D.
 — Mammals. *See* Hutchinson, H. N.; *see* Sclater, W. L.
 — Mollusca, Weimar. *See* Weiss, A.
 — Ostracoda, Fulham (Middlesex). *See* Chapman, F.
 —, Schwandebek near Halberstadt. *See* Wolterstorff, W.
 —, Schweizbild (Schaffhausen). *See* Steinmann, G.
 —, Torbay (Devon). *See* Somervail, A.
Plesiocidaroidæ. *See* Jackson, R. T.
Plesiosaur, Oxford Clay. *See* Andrews, C. W.
Plesiosaurian Skull, Lias. *See* Andrews, C. W.
Plesiosaurs, South German Liassic. *See* Dames, W.
Plesiosaurus. *See* Andrews, C. W.; *see* Koken, E.
 —, Embryos. *See* Seeley, H. G.
Plesiotheuthis Fraasii. *See* Woodward, H.
Plesiphenacodus. *See* Lemoine, V.
Plessur Mts. (Grisons). *See* Boehm, J.
Pleuranthidæ. *See* Jaekel, O.
Pleurodictyum. *See* Fuchs, T.; *see* Kayser, E.; *see* Maurer, F.
Pleuromorphus. *See* Bittner, A.
Pleurotomaria. *See* Barrois, C.; *see* Beyer, E.; *see* Broadhead, G. C.; *see* Guppy, R. J. L.; *see* Pilsbry, H. A.; *see* Tate, R.; *see* Tiessen, E.; *see* Whidborne, G. F.
Plicatula. *See* Bittner, A.; *see* Bizet, T.
 Pliocene Ant-Bear, Samos. *See* Andrews, C. W.
 —, Anthozoa, Ponticello di Savena near Bologna (Emilia). *See* Simonelli, V.
 —, Apennine. *See* Sacco, F.
 — Beaver. *See* Merriam, J. C.
 — Beech Tree, Auvergne. *See* Krařan, F.
 —, Californian. *See* Lawson, A. C.
 — Corals, Piedmont & Liguria. *See* Osasco, E.
 —, Dahra (Algeria). *See* Brive, A.; *see* Welsch, J.
 — Fauna, Roussillon (France). *See* Depéret, C.
 — Glaciation, Almenno (Bergamo). *See* Taramelli, T.
 — Glaciers, Aubrac Mts. (Lozère & Cantal). *See* Fabre, G.
 —, Holland, England, &c. *See* Harmer, F. W.
 — Italian Foraminifera. *See* Amicis, G. A. de.
 — Mammalia. *See* Grevé, C.
 — *Mastodon*, Bologna (Emilia). *See* Capellini, G.
 — Mollusca, Teramo (Abruzzo). *See* Cerulli, I. S.
 —, Monte Mario (Rome). *See* Mario, Monte.
 — Nomenclature. *See* Nomenclature.
 — Ostracoda, Californian. *See* Chapman, F.
 — Plants, Piedmont. *See* Peola, P.
 —, Syria, Palestine. *See* Oppenheim, P.
 — Tortoises, Roussillon (France). *See* Depéret, C., & A. Donnezan.
Plutonia. *See* Hicks, H.
 Plutonic Rocks. *See* Judd, J. W.
Plutonides. *See* Hicks, H.
 Pluvial Period. *See* Southall, J. C.
 Po Valley (Italy). *See* Stella, A.
Poacordaites. *See* Renault, B.
Podalyriophyllum. *See* Ettingshausen, C. Freih. von.
 Podhornberg (Bohemia) Basalts. *See* Rosiwal, A.
 Podolia, Palæozoic Rocks of Galician. *See* Teisseyre, W.
Pœcilomorphus. *See* Brasil, L.
 Point Sal (Cal.). *See* Fairbanks, H. W.
 'Poissiers.' *See* Sollas, W. J.
 Poitiers (France). *See* Barrois, C.; *see* Bigot, A.; *see* Bizet, P.; *see* Fournier, E.; *see* Glangeaud, P.; *see* Grossouvre, A. de; *see* Ehlert, D. P.; *see* Walle- rant, —; *see* Welsch, J.
 Poitou (France) Jurassic Reptiles & Fishes. *See* Glangeaud, P.
 Poland, Palæozoic Deposits. *See* Teisseyre, W.

- Polish-Livonia Quaternary Deposits. See Lehmann, E.
- Pollucite. See Foote, H. W.
- Polsen (Brandenburg). See Beushausen, L.
- Polybasite. See Penfield, S. L.
- Polycampton*. See Fuchs, T.
- Polycarpineæ*. See Woodward, H.
- Polymorphina*. See Jones, T. R.
- Polyplacodus*. See Traquair, R. H.
- Polyzoa. See Bryozoa.
- , Victoria (Australia) Tertiary. See MacGillivray, P. H.
- 'Pond-Chalk,' Pleistocene. See Jahn, J. J.
- Pondrôme (Namur). See Forir, H.
- Pont-d'Ain (Ain). See Depéret, C.
- Pont-Lévy (Loire-et-Cher) Miocene *Natica*. See Mayer-Eymar, C.
- Pont Saint-Nicolas de Campagnac (Gard) Intermittent Spring. See Mazauric, F.
- Pontafel (Carinthia). See Geyer, G.
- Pontalmyra*. See Stefanescu, S.
- Pontefract (Yorks), Thinning-out of Coal-seams near. See Durnford, H. St. J.
- Pontesbury (Salop) Quartzite. See Holland, P., &c.
- Pontian. See Depéret, C.; see Munier-Chalmas, —, & A. de Lapparent.
- , Algeria. See Welsch, J.
- , Fauna, Roumanian. See Stefanescu, S.
- , Gasteropoda. See Lörenthey, I.
- , Gulf of Perekop, &c. (Black Sea). See Sokolov, N.
- , Novalaise Valley (Savoy). See Révil, J., & H. Douxami.
- , South-eastern France. See Kilian, W.; see Révil, J., & H. Douxami.
- Ponticello di Savena near Bologna (Emilia) Pliocene Anthozoa. See Simonelli, V.
- Pontine Marshes (Rome). See Donat, F. M. von; see Meli, R.
- Ponza Islands. See Schneider, C. C.
- Popocatepetl (Mt.), Mexico. See Howarth, O. H.
- Porcupine, Fossil. See Nehring, A.
- Poroxylon*. See Renault, B.
- Porphyries, Caucasian. See Dingelstedt, V.
- , Ozarks (Miss.). See Keyes, C. R.
- Porphyrite, Northumberland. See Gunn, W., &c.
- , tuff, Carnic Alps. See Rosiwal, A.
- Porphyritic Rocks, Elba. See Matteucci, R. V.
- Porphyry. See Rosenbusch, H.
- , Esterel, near Antibes (Alpes-Maritimes). See Michel-Lévy, A.
- , Isle of Cuba. See Adán de Yarza, R.
- , Mercur (Utah). See Spurr, J. E.
- , Mont Catogne (Valais). See Graeff, F.
- Porphyry, Monte Reggione & Florence (Tuscany). See Chelussi, I.
- , Norwegian. See Kjerulf, T.
- , Spanish. See Mallada, L.
- , Tuffoid. See Mügge, O.
- Port Kennedy Fissure-Vertebrata (Pa.). See Cope, E. D.; see Heilprin, A.
- Portland (Isle of) Cycad. See Seward, A. C.
- Portlandian, Classification of. See Pavlov, A. P.
- Portnafeadog (Connemara) Prehistoric Settlements. See Bigger, F. J.
- Portskerry (Sutherland). See Horne, J., & E. Greenly.
- Portugal, Pliocene Hippopotamus; Erosion, &c. See Choffat, P.
- , Sand-dunes at Aveira. See Mesquita, E. de M.
- , Tertiary Echinoderms. See Lóriol, P. de.
- , Trilobite Fauna; Glaciation &c. See Delgado, J. F. N.
- (South) Syenite. See Kraatz-Köschlau, K. von, &c.
- Portuguese Geological Survey. See Lake, P.
- , Mesozoic-Reptilia. See Sauvage, H. E.
- Posen (Prussia) Terminal Moraine. See Berendt, G., & K. Keilhack.
- Posidonomya*. See Miller, S. A., &c.; see Stremoonchov, D.
- , *alpina*-beds, Sette (Vicentino). See Parona, C. F.
- , shales, Sweden. See Möberg, J. C.
- Posso Lake (Celebes). See Wichmann, H., & A. C. Kruijt.
- Possruck (Styria). See Ippen, J. A.
- Post-Glacial Time. See Davison, C.
- Post-Pliocene Submergence, Isle of Wight. See Hull, E.
- Post-Tertiary East of England Clays. See Howorth, Sir H. H.
- Postale, Monte (Vicentino). See Oppenheim, P.; see Vinassa de Regny, P. E.
- Postville Well (Iowa). See Calvin, S.
- Pot-Holes. See Martel, E. A.
- Potash-salts, Eastern Galician. See Tietze, E.
- Potrioceras*. See Whidborne, G. F.
- Potriocrinus*. See Miller, S. A., &c.
- Potomac Formation Flora. See Ward, L. F.
- , River Eocene. See Clark, W. B.
- Potorous*. See Broom, R.
- Potter's Bar (Middlesex). See Salter, A. E.
- Practical Geology. See Keilhack, K.
- Prades (Pyrénées-Orientales). See Lacroix, A.
- Præsphæroceras*. See Levi, G.
- Prague Natural History Museum. See Frič, A.
- Prairie du Sac (Wis.). See Lüders, H. F.
- Prasinite, Tuscany, &c. See Franchi, S.

- Prealpine Loess. See Penck, A., & L. du Pasquier.
 Precambrian Fauna. See Dawson, Sir J. W.; see Marr, J. E.
 — Fossils, Canadian. See Dawson, Sir J. W.
 —, South Wales. See Hicks, H.
 — Supposed Organic Remains. See Rauff, H.
 Precious Stones. See Bauer, M.; see Kunz, G. F.; see Miers, H. A.
 Predazzo (Tyrol) Eruptive Rocks. See Brögger, W. C.
 Preglacial Erosion Cycles, Illinois. See Hershey, O. H.
 — Valleys, Northamptonshire. See Thompson, B.
 Prehnite. See Bauer, M.
 Preston (Lancs). See Dickson, E.
 Prestwich, Sir Joseph. See Evans, Sir John; see Woodward, H. B.
 Pre-tertiary Nepheline. See Bascom, Florence.
 Prévost, Constant. See Gosselet, J.
 Priabona (Venetia). See Oppenheim, P.
 Primates, Mesozoic. See Osborn, H. F., & C. Earle.
 Primitia. See Jones, T. R.; see Whidborne, G. F.
 Primnoa. See Whiteaves, J. F.
 Primo, Monte (Central Apennines). See Canavari, M.
 Prince Edward Island (Canada). See Chalmers, R.
 Privas (Ardèche). See Boule, M.
 Proboscidea. See Cope, E. D.
 Procamelus. See Leidy, J.
 Procyon. See Winge, H.
 Productus. See Suess, E., & c.
 Proetus. See Barrois, C.
 Prorel Mt. (Hautes-Alpes). See Termier, L.
 Prosodacna. See Stefanescu, S.
 Protapirus. See Hatcher, J. B.
 Proteoidea. See Ettingshausen, C. Freih. von.
 Prothyris. See Whidborne, G. F.
 Protocardia. See Vogel, F.
 Protogene Granite, Norwegian. See Kjerulf, T.
 —, Mont Blanc (Haute-Savoie). See Duparc, L. & L. Mrazec.
 Protolenus. See Matthew, G. F.
 — Fauna, Canada. See Dawson, Sir J. W.
 Protoptychus. See Scott, W. B.
 Protosphyrena. See Priem, F.
 Protrachyceras. See Mojsisovics von Mojsvár, E. von.
 Proustite. See Liversidge, A.
 Provence (France) Chalk Gasteropoda. See Oppenheim, P.
 — (—), Lakes of the Coast of. See Delebecque, A.
 — (—), Trias. See Bertrand, M.
 Providence (Mo.). See Stewart, A.
 Prussia (West) Diluvium Saiga-Antelope. See Nehring, A.
 Prussian Alluvium & Glacial Deposits. See Jentzsch, A.
 Psammochinus. See Lorient, P. de.
 Psammobia. See Oppenheim, P.
 Psammosteus. See Traquair, R. H.
 Pseudobrookite. See Buttgenbach, H.
 Pseudochirus. See Broom, R.
 Pseudodiadema. See Bizet, T.
 — Jessoni. See Gregory, J. W.
 Pseudomonotis. See Bittner, A.
 Pseudomorphs. See Doll, E.
 Pseudoplacunopsis. See Bittner, A.
 Psilunio. See Stefanescu, S.
 Pterichthys. See Traquair, R. H.
 Pterinea. See Barrois, C.; see Hicks, H.
 Pterodactyl, Cretaceous of Bahia (Brazil). See Woodward, A. S.
 Pteronites. See Tate, R.
 Pteropoda. See Simonelli, V.
 —, Palaeozoic. See Miller, S. A., & W. F. E. Gurley.
 —, Sessile. See Rüdemann, R.
 Ptilograptus. See Winan, C.
 Ptychocarpus. See Renault, B.
 Ptychodus. See Priem, F.; see Rogon, J. V.
 — from Vienna Sandstone, Hütteldorf (Lower Austria). See Redlich, K. A.
 Ptychophyllum. See Barrois, C.
 Pucksia. See Sollas, W. J.
 Puerco Beds (New Mexico) Mammals. See Osborn, H. F., & C. Earle.
 Pamice in Marine Deposits. See Shaler, N. S.
 Puncturella. See Hudleston, W. H.
 Purbeck Beds, Classification of. See Pavlov, A. P.
 —, 'Isle of' (Dorset). See Strahan, A.
 — Marble. See Anon., 13.
 — Plants. See Seward, A. C.
 Purpurina. See Hudleston, W. H.
 Purpuroidea. See Hudleston, W. H.
 Pygaster. See Bizet, T.
 Pygurus. See Bizet, T.
 Pyrenees. See Boule, M.; see Carez, L.; see Lacroix, A.; see Roussel, J.; see Seunes, —; see Stuart-Menteath, P. W.; see Trutat, E.
 —, Eastern. See Roussel, J.
 —, Eruptive and Metamorphic Rocks. See Carez, L.
 —, Lherzolite and Contact-Phenomenon. See Lacroix, A.
 — Quaternary Chamois. See Harlé, É.
 Pyrgula. See Stefanescu, S.
 Pyrgulifera, 'Bear River' Beds. See White, C. A.
 Pyrites. See Bauer, M.; see Parker, E. W.
 —, Lower Cretaceous. See Pâquier, V.
 Pyrolusite. See Doll, E.; see Gaubert, P.
 Pyrophyllite, Urals. See Lewinson-Lessing, F.
 Pyropissite. See Eibelkorn, —.

- Pyrotherium*-beds, South America. See Ameghino, F.
- Pyroxenes. See Buttgenbach, H.
- , New York State. See Ries, H.
- Pyroxenic Rocks, Garnets in. See Holland, T. H.
- Pyschminsk (Beresowsk), Urals. See Lewinson-Lessing, F.
- Quarries, United Kingdom and Isle of Man. See Atkinson, J. B., &c.; see Foster, C. Le Neve.
- Quartz. See Bauer, M.; see Buttgenbach, H.; see Kunz, G. F.; see Laspèyres, H., & E. Kayser; see Tschermak, G.
- , Grindelwald (Bern). See Termier, P.
- (Hyacinth) from Gypsum near Jena. See Zschimmer, E.
- , Pisek (Bohemia). See Heberdey, P.
- Quartz-porphry. See Rosenbusch, H.
- , Karvia (Finland). See Sederholm, J. J.
- , Westphalian. See Mügge, O.
- Quartz, Quartz-Rock, and Quartzite. See Kinahan, G. H.
- Quartz-schist, Pennine Alps Pebbly. See Bonney, T. G.
- Quartz, Solubility of. See Spezia, G.
- Quartzite Lenticles in Schists, S.E. Anglesey. See Greenly, E.
- , Norwegian Highland. See Bjørlykke, K. O.
- , Pontesbury (Salop). See Holland, P., &c.
- , Spanish. See Mallada, L.
- Quartzites, Scandinavian Highland. See Brøgger, W. C.
- Quaternary, Apennine. See Sacco, F.
- Deposits, Black Sea. See Sokolov, N.
- , Foraminifera of Baltic. See Munthe, H.
- , Durance Valley (S. France). See David-Martin, —.
- Elephants and Rhinoceroses, Algerian. See Pomel, A.
- Gasteropoda, Toulouse and Villefranche (Haute-Garonne). See Fagot, P.
- Geology, Mattawa and Ottawa Valleys (Canada). See Taylor, F. B.
- 'Grotte de Montsaunés' (Haute-Garonne) Mammals. See Harlé, E.
- Mammals, Algeria. See Pomel, A.
- , Prov. Rome. See Meli, R.
- Man. See Villenois, F. de.
- , Micoque (Dordogne). See Chauvel, G., & E. Rivière.
- Mollusca, Es-Taliens Breccia (Hautes-Pyrénées). See Harlé, E.
- Period, Close of. See Tardy, M.
- Plants, Finland. See Herlin, R.
- Remains, Villefranche-sur-Saône (Rhône). See Mortillet, G. de.
- Sands, Holland. See Schroeder van der Kolk, J. L. C.
- Quaternary, Villefranche (Rhône). See Depéret, C.
- Quebec, Province of (Canada). See Ellis, R. W.
- Queen Charlotte Island, Cretaceous Crustacea. See Woodward, H.
- Queen's River Moraine (R. L.). See Woodward, J. B., & C. F. Marbut.
- Queensland. See Fryar, W.
- Gold Ores, Refractory. See Weinberg, E. A.
- , Mining Industry. See Sellheim, P. F.
- , Tin. See Munday, J.
- , Western Interior Artesian Water. See Jack, R. L.
- Quercinium*. See Felix, J.
- Quercus*. See Ettingshausen, C. Freih. von.
- Quercy (Guyenne) Caverns. See Albe, E.
- Quicksilver. See Day, D. T.
- , Harz (Germany). See Lüdecke, O.
- , Huitzaco (Mexico). See Halse, E.
- , Mexico. See Halse, E.
- , New Zealand. See Gordon, H. A., &c.
- Ores. See Blake, W. P.
- Quillan (Aude). See Lacroix, A.
- Raasay (Isle of) Basalt. See Geikie, Sir A.
- Radiolaria. See Lydekker, R., &c.; see Rauff, H.
- , Ardèche (S. France) Tithonian. See Cayeux, L.
- , Montenotte (Liguria) Permian. See Parona, C. F., & G. Rovereto.
- , Schleswig-Holstein Tertiary. See Zeise, O.
- Radiolarian Cherts, San Francisco Peninsula (Cal.). See Lawson, A. C.
- Culm Measure Rocks, Dartmoor (Devon). See Hinde, G. J., &c.
- Radstone (Notts). See Woodward, H. B.
- 'Rafaelita,' San Rafael (Argentina). See Hauthal, R.
- Rain Erosion. See Floyer, E.
- Rajol Cave (Dordogne). See Lalande, P.
- Rakonitz (Bohemia). See Jaroschka, J.
- Ralängen (Lake), Floating Islands in (Gothland). See Oberg, V.; see Sieger, R.; see Svedmark, E.
- Rancié (Ariège) Iron Mines. See Villot, —.
- Ranen Fjord (Norlands Amt, N. Norway), Iron Ore. See Vogt, J. H. L.
- Ramina*. See Bittner, A.
- Ransätite. See Igelström, L. J.
- 'Rascles.' See Eckert, M.
- Rathite. See Baumhauer, H.; see Gaubert, P.
- Rauracian, Côte-d'Or. See Collot, —.
- Fauna, Bernese-Jura. See Loriol, P. de, &c.
- Re, Val Vegezzo (Piedmont), Glacial Deposits. See Corti, B.

- Reading (Berks). *See* Blake, J. H., &c.
 Recapitulation Theory in Palæontology.
See Bather, F. A.
Receptaculites. *See* Miller, S. A., &c.;
see Stolley, E.
 Recoaro (Venetia) Triassic Echinoidea.
See Crema, C.
 Red Lake, Keewatin (Canada). *See*
 Dowling, D. B.
 Red Marls near Liverpool (Lancs),
 Borings in. *See* Morton, G. H.
 Reef-Limestone Fauna, Alps. *See*
 Arthaber, G. von.
 Reefs, Coral. *See* Agassiz, A.
 Reggio (Emilia), Fossil Crocodile. *See*
 Simonelli, V.
 — (—), Tertiary. *See* Del Prato, A.
 Regional Metamorphism, Norrbotten
 (Sweden). *See* Svenonius, F.
 Rehorn-Gebirge (Silesia). *See* Althaus,
 E.
 Reihen (Basel), Bunter Sandstone Rep-
 tite. *See* Seeley, H. G.
Reinschia & Kerosene Shales. *See*
 Bertrand, C. E.
 Rendalen (Hedemarken). *See* Schiötz,
 O. E.
 Rennes (Ille-et-Vilaine). *See* Michel-
 Lévy, A., &c.
 Reppisch Valley (Zürich). *See* Preller,
 C. S. Du R.
 Reptile, Connecticut River Sandstone
 Belodont. *See* Marsh, O. C.
 Reptiles, North German Wealden. *See*
 Koken, E.
 —, West French Jurassic. *See* Glan-
 geaud, P.
 Reptilia. *See* Brodie, P. B.; *see* Cope,
 E. D.; *see* Lydekker, R.; *see* Marsh,
 O. C.; *see* Philippi, R. A.; *see* Py-
 craft, W. P.; *see* Seeley, H. G.; *see*
 Woodward, H.
 —, Bohemian Brown-coal. *See* Laube,
 G. C.
 —, Calvados Jurassic. *See* Bigot, A.
 —, Cretaceous. *See* Wieland, G. R.
 —, Liassic. *See* Andrews, C. W.; *see*
 Dames, W.; *see* Seeley, H. G.
 —, Mesozoic. *See* Sauvage, H. E.
 —, Miocene. *See* Cope, E. D.
 —, Moray Firth Sandstone. *See*
 Traquair, R. H.
 —, Oolitic. *See* Parker, J.
 —, Permian. *See* Cope, E. D.
 —, Pliocene. *See* Depéret, C., &c.
 —, Port Kennedy (Pa.) Fissure. *See*
 Cope, E. D.
 —, Tertiary. *See* Depéret, C.
 —, Triassic. *See* Boulenger, G. A.
 —, Upper Cretaceous of Madagascar.
See Depéret, C.
 Reptilian Footprints. *See* Beasley, H. C.
 Reptiliferous Sandstones, Moray Firth
 Area. *See* Traquair, R. H.
Reptomultisparsa. *See* Gregory, J. W.
 Republic Trough (Mich.). *See* Van
 Hise, C. R., W. S. Bayley, & H. L.
 Smith.
- Resicza, Krassó (Transylvania). *See*
 Halaváts, J.
 Resor (Dalecarlia). *See* Svedmark, E.
Retinodendron. *See* Renault, B.
Retiolites. *See* Wiman, C.
 Retioloidea. *See* Wiman, C.
Retzia. *See* Barrois, C.
 Reuss River. *See* Lubbock, Sir J.
 — Valley (Aargau). *See* Preller, C.
 S. Du R.
Rhabdocarpus. *See* Renault, B.
Rhabdocidaris. *See* Bizet, T.; *see*
 Loriol, P. de.
Rhabdogonium. *See* Jones, T. R., &c.
Rhacophyllites. *See* Fucini, A.
 Rhætian Alps. *See* Weinschenk, E.
 Rhætic, East Leake (Notts). *See*
 Browne, M.
 —, West Somerset. *See* Winwood,
 H. H.
Rhætidia. *See* Bittner, A.
Rhamnacinium. *See* Felix, J.
Rhaphistoma. *See* Whidborne, G. F.
Rhegnopsis. *See* Cope, E. D.
 'Rhénaue.' *See* Forir, H.
 Rhenish & Bavarian Coalfields. *See*
 Gumbel, C. von.
 — Devonian Fauna. *See* Maurer,
 F.
 — Prussian Devonian Plants. *See*
 Solms-Laubach, Count H. zu.
 — Westphalian Coalfield. *See* Schulz-
 Briesen, M.
 Rhine. *See* Davis, W. M.; *see* Lub-
 bock, Sir J.
Rhinoceros. *See* Capellini, G.; *see* Leidy,
 J.; *see* Newton, E. T., & R. S.
 Herries.
 —, Algerian Quaternary. *See* Pomel,
 A.
 — *etruscus*, Falc., var. *astensis*, Sacc.
See Sacco, F.
 —, Italian. *See* Meli, R.
 — Remains, Dusino, near Villafranca
 d'Asti (Piedmont). *See* Sacco, F.
 —, Roman Quaternary. *See* Clerici,
 E.
Rhipidopsis. *See* Zeiller, R.
Rhizocorallium. *See* Fuchs, T.
Rhizoerinus. *See* Capellini, G.
 Rhizopoda. *See* Stolley, E.
 Rhode Island (U.S.A.) Building Stones.
See Day, W. C.
 — Geological Surveys. *See*
 Klittke, M.
 —, Queen's River Moraine. *See*
 Woodward, J. B., & C. F. Marbut.
 Rhodesia (S. Africa) Gold Mining. *See*
 Wilkinson, W. F.
Rhodus. *See* Bonomi, I.
Rhodocrinus. *See* Miller, S. A., &c.
 Rhodonite. *See* Bauer, M.
 Rhodophosphate. *See* Igelström, L. J.
 Rhône (Switzerland). *See* Dickson, E.
 — Basin. *See* Boule, M.; *see* Cayeux,
 L.; *see* Depéret, C.; *see* Kilian, W.;
see Roman, —; *see* Sayn, G.; *see*
 Torcapel, A.

- Rhône Basin, Southern (Gard). *See* Pellat, E.
 — Valley. *See* Carez, L.
 — — Eocene. *See* Depéret, C.
 — —, *Hippurites*-beds. *See* Douvillé, H.
 Rhune, La (Basses-Pyrénées), Carboniferous Plants. *See* Zeiller, R.
Rhynchonella. *See* Barrois, C.; *see* Bizet, T.; *see* Hicks, H.; *see* Maurer, F.; *see* Philippi, E.; *see* Tiessen, E.;
 — *Dumonti*, &c., in Schists at Matagne (Namur). *See* Forir, H.
 — limestone, Pamir (Central Asia). *See* Suess, E., &c.
 Rhyolite, Wyoming (U.S.A.). *See* Iddings, J. P.
Rhytidolepis. *See* Renault, B.
Rhytidopilus, Jurassic. *See* Cossmann, M.
 Rians (Bouches-du-Rhône) Trias. *See* Bertrand, M.
 Ribble Estuary (Lancs). *See* Dickson, E.
 Rich Patch Mountain, Iron Gate (Va.). *See* Schmitz, E. J.
 Rideau Lakes (Ont.). *See* Drummond, A. T.
 Ridges formed by Lake-Ice. *See* Feilden, H. W.
 Riebeckite. *See* Sollas, W. J.
 — Rock, Eildon Hills (Roxburgh). *See* Barron, T.
 Rift Valley, Eastern Equatorial African Great. *See* Gregory, J. W.
 Riga (Livonia) 'Kanger' or Moraine Ridges. *See* Doss, B.
Rimula. *See* Huddleston, W. H.
 Rio Grande do Sul (Brazil) Coal-Plants. *See* Zeiller, R.
 Ripplemarks. *See* Fuchs, T.
 Rippling of Sand by Wind and Water. *See* Cornish, V.
 River Erosion. *See* Bosshard, A.; *see* Hill, E.; *see* Thompson, B.
 — Gravels. *See* Southall, J. C.
 — Silting. *See* Richards, Sir G. H.
 — Valleys. *See* Dickinson, J.
 Rivers of England & Geology. *See* Dickinson, J.
 — of the Volcanic Period, Inner Hebrides. *See* Geikie, Sir A.
 —, Swiss. *See* Lubbock, Sir J.
 —, Underground. *See* Martel, E. A.; *see* Mead, J. R.
 —, —. *See* Caverns.
 Road Metal & Making, United States. *See* Shaler, N. S.
 Robin Hood's Bay (Yorks). *See* Muff, H., &c.
 Rochdale (Lancs) Coal-measure Plants. *See* Hick, T.
 Rochester (N.Y.). *See* Fairchild, H. Le R.
 Rochlitz Mt. Quarries (Saxony). *See* Herrmann, O.
 Rockall. *See* Harvie-Brown, J. A.
 Rock Absorption. *See* Crema, C.
 Rock-Basins, Hydrology of Belgian. *See* Verstraeten, T.
 Rock Crystal. *See* Quartz.
 — Decomposition. *See* Branner, J. C.; *see* Bourgeat, —; *see* Caverns; *see* Chaignon, H. de; *see* Derby, O. A.; *see* Eckert, M.; *see* Haug, E.; *see* Lapparent, A. de.
 — —, Brazil. *See* Branner, J. C.; *see* Derby, O. A.
 — Deformation. *See* Van Hise, C. R.
 — —. *See* Denudation.
 — Flow and Fracture. *See* Van Hise, C. R., & L. M. Hoskins.
 — forming Minerals. *See* Judd, J. W.
 — Fusion. *See* Dölter, C.
 — Oil. *See* Petroleum.
 — Sections. *See* Bleicher, —.
 — Structure. *See* Van Hise, C. R., & L. M. Hoskins.
 — Weathering. *See* Merrill, G. P.
 — —, Central Asia. *See* Obrutschew, W.
 Rocks. *See* Fletcher, L.
 — and their Classification. *See* Judd, J. W.
 —, Antarctic. *See* Borchgrevink, C. E.; *see* Bruce, W. S.; *see* David, T. W. E.; *see* Donald, C. W.
 —, Chalk Hills (Madras), Ultra-basic. *See* Middlemiss, C. S.
 —, Examination of. *See* Cole, G. A. J.
 —, Gross-Venedigerstock (Styria). *See* Weinschenk, E.
 — in Old Alluvium, Durance Valley (Provence). *See* Duparc, L., & W. Kilian.
 —, Morän (Gothland). *See* Hedström, H.
 —, Solomon Islands. *See* Watts, W., & E. T. Newton.
 —, Synthesis. *See* Grimsley, G. P.
 Rocky Mountains. *See* Wilcox, W. D.
 —, Little. *See* Weed, W. H., & L. V. Pirsson.
 — River Valley (Ohio). *See* Upham, W.
 Rodent Pliocene, Berkeley (Cal.). *See* Merriam, J. C.
 —, Uinta Eocene. *See* Scott, W. B.
 Rodez (Aveyron). *See* Thévenin, A.
 Romagnano (Verona), *Felis* Remains. *See* Fabrini, E.
 Romanche Valley (Savoy). *See* Kerner, F. von.
 Rome (Prov. of). *See* Clerici, E.
 — (—) Peat. *See* Meli, R.
 — (—) Quaternary Mammals. *See* Meli, R.
 Römerbad (Styria). *See* Teller, F.
 Rongstock (Bohemia). *See* Hibschi, J. E.
 Ronsperg (Bohemia) Gabbro. *See* Martin, F.
 Röntgen Rays and Minerals. *See* Dölter, C.; *see* Miller, W. G.
 — — and Palæontology. *See* Lemoine, —.

- Rosa, Monte (Pennine Alps), Water of. *See* Giacosa, P.
- Rossano (Calabria) Lias. *See* Greco, B.
- Rothschönberg near Deutschenbora (Saxony), Micaceous Syenite. *See* Henderson, J. M. C.
- Rotuma (Pacific Ocean). *See* Allen, W.
- Rouen (Seine-Inférieure). *See* Dollfus, G. F.
- Roumania, Earthquakes. *See* Draghicienu, M. M.
- Romanian Carpathians. *See* Teisseyre, L.
- Nummulitic Beds. *See* Popovici-Hatzeg, V.
- Tertiaries. *See* Redlich, K. A.
- Tertiary Fauna. *See* Stefanescu, S.
- Roussillon (France) Pliocene Fauna. *See* Depéret, C.
- (—) — Tortoises. *See* Depéret, C., & A. Donnezan.
- Rowington (Warwick). *See* Brodie, P. B.
- Ruapehu (N. Z.), Volcanic Zone. *See* Hill, H.
- Rubble-Drift; Palmaria Island (Gulf of Spezia). *See* Capellini, G.
- Rubies. *See* Bauer, M.; *see* Brown, C. B., & J. W. Judd; *see* Kunz, G. F.
- , Burmese. *See* Bauer, M.
- , Siamese. *See* Black, J. S.
- Rudistes. *See* Douvillé, H.
- , Urgonian. *See* Pâquier, V.
- Ruffec-Niort Railway (Charente & Deux-Sèvres). *See* Fournier, A.
- Rugby (Warwick), Sections along Manchester & Lincoln Railway from Aylesbury (Bucks). *See* Woodward, H. B.
- Ruhr Coalfield (Rhenish Westphalia). *See* Schulz-Briesen, M.
- Rum (Isle of), Basalt. *See* Geikie, Sir A.
- Rumford (Maine) Minerals. *See* Foote, H. W.
- Rupbach Valley (Rhenish Prussia) Devonian. *See* Maurer, F.
- Russia. *See* Karpinsky, A.
- , Caucasus Region. *See* Inostranzev, A., &c.
- , Central European. *See* Sibirzev N.
- , East Central. *See* Krotow, P.
- , North-eastern Caucasus. *See* Radde, G., & E. König.
- , Ore-Deposits of Southern. *See* Trassenster, P.
- , Petroleum. *See* Weeks, J. D.
- (South). *See* Loutouguine, L.
- (—), Estuaries. *See* Sokolov, N.
- (—), Limans. *See* Sokolov, N.
- , Western Moraines. *See* Doss, B.
- Russian & Autun Boghead Coal. *See* Renault, B.
- Baltic Provinces Quaternary. *See* Lehmann, E.
- Earthquakes. *See* Mouschketov, I.
- Geology, 1894. *See* Nikitin, S.
- Russian Geology & Mineralogy. *See* Krichtavovitch, N.
- Salt Production. *See* Anon., 16.
- Tertiary Mammals. *See* Pavlov, Marie.
- Russkij Island (Siberia). *See* Bittner, A.
- Rutile. *See* Buttgenbach, H.; *see* Traube, H.
- Rüttimeyer, Ludwig. *See* Schmidt, C.
- Ryona (Halland). *See* Kellgren, A. G.
- Saale River (Prussia). *See* Beyschlag, F.
- Saarbrück & Bavarian Coalfields. *See* Gümbel, C. von.
- Sacramento Valley (Cal.). *See* Ransome, F. L.
- Saddleworth Valley (Yorks), Yoredale Rocks. *See* Holroyd, W. F., & J. Barnes.
- Sadewitz Gravel (Silesia), Age of. *See* Wysogorski, J.
- Sagenites. *See* Mojsisovics von Mojsvár, E. von.
- Ságh Mts., Szob (Hungary). *See* Szadeczky, J.
- Sahara. *See* Carton, —.
- Saharian, Apennine. *See* Sacco, F.
- 'Sahélien.' *See* Depéret, C.; *see* Munier-Chalmas, —, & A. de Lapparent.
- Saiga. *See* Nehring, A.
- St. Ægid (Lower Austria). *See* Bittner, A.
- Saint-Affrique (Aveyron). *See* Fabre, —.
- Saint-Avit (Landes), Aquitanian. *See* Fallot, E.
- Saint-Barthélemy (Orne), Ottrelite. *See* Durandière, A. de la.
- Saint-Bonnet-de-Mure (Isère), Boring. *See* Termier, P.
- St. Bride's Bay (Pembroke). *See* Howard, F. T., &c.
- St. Cassian (Tyrol), Triassic Corals. *See* Frech, F., & W. Volz.
- (—), — Lamellibranchiata. *See* Bittner, A.
- Saint-Chinian (Hérault). *See* Bergeron, J.; *see* Rouville, P. G. de, &c.
- Saint-Claude (Jura). *See* Delebecque, A.
- Saint-Cristol, Swallow-Holes (Vaucluse). *See* Bonneau, —.
- Saint-Étienne (Loire) Coalfield. *See* Coste, —.
- Saint-Ferréol (Vaucluse). *See* Depéret, C.
- Saint-Fons (Isère). *See* Depéret, C.
- Saint-Gaudens (Haute-Garonne). *See* Boule, M.
- Saint-Jean-d'Angély (Charente-Inférieure), Estuaries. *See* Grossouvre, A. de; *see* Michel-Lévy, A., &c.
- Saint-Jean-de-Maurienne (Savoy). *See* Michel-Lévy, A., &c.
- St. John (N.B.), Eruptive Rocks. *See* Matthew, G. F.
- St. Kilda (Isle of) Basalts. *See* Geikie, Sir A.
- Saint-Lary (Ariège). *See* Carez, L.

- St. Lawrence, Laurentian North of. *See* Ells, R. W., & F. D. Adams.
- Co. (N.Y.). *See* Smyth, C. H., Jun.
- River, Canada. *See* Ells, R. W., & A. E. Barlow.
- Valley, Pleistocene Marine Shorelines. *See* Chalmers, R.
- Saint-Nazaire (Loire-Inférieure). *See* Barrois, C.
- Saint-Paul-Trois-Châteaux (Drôme). *See* Depéret, C.
- Saint-Paul Hills (Carinthia). *See* Höfer, H.
- St. Pölten (Lower Austria). *See* Bittner, A.; *see* Paul, C. M.
- Saint-Quentin (Isère). *See* Depéret, C.
- Saint-Saulge (Nièvre). *See* Launay, L. de.
- Sainte-Adresse to Saint-Jouin (Seine-Inférieure), Cliff Denudation. *See* Savalle, E.
- Sainte-Croix (Vaud) Neocomian Bryozoa. *See* Schardt, H.
- (—) Tertiary. *See* Douxami, H.
- Sainte-Honorine-la-Guillaume (Orne), Liassic Plants. *See* Lignier, O.
- Saitz-Czeitsch Railway (Moravia). *See* Rzehak, A.
- Sakhalin (Island of). *See* Krasnow, —, von.
- Salt Point (Cal.). *See* Fairbank, H. W.
- Salem (Madras), Corundum & Igneous Rock. *See* Middlemiss, C. S.
- Salies-de-Béarn (Basses-Pyrénées), Miocene. *See* Degrange-Touzain, A.
- Salines, South Russia. *See* Sokolov, N.
- Salpingostoma*. *See* Whidborne, G. F.
- Salt. *See* Baltz, C.; *see* Schickendantz, F.
- , Anatolia. *See* Arslanian, D.
- , Bacau (Roumania). *See* Teisseyre, L.
- , Livonia (N.Y.). *See* Hall, J.; *see* Luther, D. D.
- , United States. *See* Parker, E. W.
- Salt Lake (Utah). *See* Talmage, J. E.
- (—), Crystalline Rocks. *See* Neal, W. D.
- Salt Range (Panjab), Ceratite-Formation Fossils. *See* Waagen, W.
- (—), Permian Glacial Deposits. *See* Nötling, F.
- Salvadorite. *See* Gaubert, P.; *see* Herz, W.
- Salza River (Styria). *See* Bittner, A.
- Salzburg (Austria) *Hippurites*-beds. *See* Douvillé, H.
- (—) Museum. *See* Doblhoff, J.
- (—) Trias. *See* Mojsisovics von Mojsvár, E. von.
- Salzkammergut (Austria), Norian Triassic Brachiopoda. *See* Bittner, A.
- Salzungen (Meiningen). *See* Frantzen, W.
- Samarskite. *See* Ramsay, W.
- Samos Pliocene Ant-Bear. *See* Andrews, C. W.
- Sampsonocrinus*. *See* Miller, S. A., & Sambré (Nord) Sandstones. *See* Gosselet, J.
- San Antão Island (Cape Verde), Volcanic Sand, &c. *See* Melikov, P.
- San Carlos (Argentina). *See* Hauthal, R.
- San Cristobal, Santiago de Chile. *See* Möricke, W.
- San Francisco Peninsula (Cal.). *See* Lawson, A. C.
- San Giovanni Ilarione (Vicentino), Eocene Fauna. *See* Vinassa de Regny, P. E.
- San Gonini (Venetia). *See* Gregorio, Marquis A. de.
- San Joaquin Valley (Cal.). *See* Ransome, F. L.
- San Luis (Argentina). *See* Valentin, J.
- San Marino Tertiary Fishes. *See* Angelis d'Ossat, G. de.
- San Pietro Valley, Carnic Alps. *See* Rosiwal, A.
- San Rafael (Argentina). *See* Hauthal, R.
- San Roque, Córdoba (Argentina) Fluorspar. *See* Valentin, J.
- San Salvador (Central America), Mud Volcanoes and Hot Springs. *See* Sapper, C.
- San Valentino (Reggio) Fossil Crocodile. *See* Simonelli, V.
- Sand, Adriatic Shore. *See* Artini, E.
- , Dresden (Saxony). *See* Messig, R.
- dunes. *See* Cornish, V.
- , Aveira (Portugal). *See* Mesquita, E. de M.
- , Coast of Gascony. *See* Durègne, —.
- , East Finland. *See* Theslev, A.; *see* Rosberg, J. C.
- , Holland. *See* Schroeder van der Kolk, J. L. E.
- , Takla-Makan Desert (Turkistan). *See* Hedin S.
- , Formation of. *See* Dickson, E.
- spits. *See* Wheeler, W. H.
- , Swedish Glacial. *See* Keilhack, K.
- Sanday (Isle of) Basalt. *See* Geikie, Sir A.
- Sandgate (Kent) Landslip. *See* Reid, J.
- Sandhammaren (Gothland). *See* Möberg, J. C.
- Sandiacre (Derby). *See* Shipman, J.
- Sandlingites*. *See* Mojsisovics von Mojsvár, E. von.
- Sands, Auriferous Beach (N.S.W.). *See* Carne, J. E.
- , Kansas River Valley. *See* Kirk, M. Z.
- (Middle), Eastern England. *See* Howorth, Sir H. H.
- , Turin Hills (Piedmont). *See* Colomba, L.

- Sandstones. *See* Anon., 13; *see* Elliott, A. C.
- , Indiana Carboniferous. *See* Hopkins, T. C.; *see* Kindle, E.
- Sandstones, United States. *See* Day, W. C.
- , Whitehaven (Cumberland). *See* Kendall, J. D.
- Sandwich Islands Soils. *See* Lyons, A. B.
- Sandy Coasts. *See* Wheeler, W. H.
- Sanguinolites*. *See* Whidborne, G. F.
- Sansac (Charente) Jurassic Reptilia. *See* Glangeaud, P.; *see* Welsch, J.
- Santa Cruz (Patagonia). *See* Mercerat, A.
- Mts. (Cal.). *See* Ashley, G.
- Santiago (Chili) Well Water. *See* Lemétayer, P.
- Santiago de Cuba. *See* Pellitero, V.
- Santonine. *See* Brugnatelli, L.
- Santorin. *See* Lacroix, A.
- Saône-et-Loire Coalfields. *See* Gruner, E.; *see* Renault, R.
- Saône Valley. *See* Depéret, C.
- Saporta, G. de. *See* Zeiller, R.
- Sapphire. *See* Bauer, M.; *see* Kunz, G. F.
- Sapphires, Siamese. *See* Black, J. S.
- Sarapule (Viatica). *See* Krotov, P.
- Sardinia. *See* Dannenberg, A.
- , Granite & Miocene. *See* Lovisato, D.
- Sardinian Miocene Fishes. *See* Angelis d'Ossat, G. de.
- Tertiary Fishes. *See* Lovisato, D.
- Volcanic Rocks. *See* Bertolio, S.
- Sarmatian, Algeria. *See* Welsch, J.
- Fauna, Roumanian. *See* Stefanescu, S.
- Sarthe (France) Cenomanian. *See* Jukes-Browne, A. J., & W. Hill.
- Satakunta (S. Finland) Glacial Deposits & Plant Remains. *See* Herlin, R.
- Sathonay (Ain). *See* Depéret, C.
- Saumur (Maine-et-Loire). *See* Wallerant, F.
- Sauropterygia. *See* Depéret, C.
- Saurostomus*. *See* Woodward, A. S.
- Savoy. *See* Bertrand, M.; *see* Douxami, H.; *see* Fournier, E.; *see* Graeff, F.; *see* Gregory, J. W.; *see* Haug, E.; *see* Hollande —; *see* Kilian, W.; *see* Lory, P.; *see* Lugeon, M.; *see* Michel-Lévy, A., &c.; *see* Offret, A.; *see* Pâquier, V.; *see* Révil, J.; *see* Termier, P.
- , Carboniferous District. *See* Kerner, F. von.
- , Interglacial Lignites. *See* Depéret, C., &c.
- , Pontian. *See* Kilian, W.; *see* Révil, J., & H. Douxami.
- , Sandstones of Taveyannaz. *See* Duparc, L., & E. Ritter.
- , 'Schistes-lustrés.' *See* Gregory, J. W.
- , Val Ferret Microgranulites. *See* Duparc, L., & F. Pearce.
- Saxony (Germany). *See* Beck, R.; *see* Hazard, J.; *see* Hibsich, J.; *see* Siegert, T.; *see* Szontagh, T. von.
- Scalariidae, South-western French Tertiary. *See* Degrange-Touzain, A.
- Scaldia*. *See* Bittner, A.; *see* Whidborne, G. F.
- Scalenaria*. *See* Stefanescu, S.
- Scalites*. *See* Tate, R.
- Scandinavia & the Terms 'Algonkian' & 'Archæan.' *See* Törnebohm, A. E.
- Scandinavian Boulders in England. *See* Sheppard, T.
- Chalk Foraminifera. *See* Munthe, E.
- Highland Quartzites. *See* Brögger, W. C.
- Physiography. *See* Hansen, A. M.
- Quaternary. *See* Munthe, E.
- Tectonic Geology. *See* Sjögren, H.
- Scapanorhynchus*. *See* Priem, F.
- Scaphiocrinus*. *See* Miller, S. A., &c.
- Scaphopoda, Chalk Rock. *See* Woods H.
- Scelidosaurus*. *See* Marsh, O. C.
- Schaffhausen (Switzerland). *See* Steinmann, G.
- Schalstein Breccia, Langenaubach (Nassau). *See* Beushausen, L., & A. Denckmann.
- Volcanic Bomb in Nassau. *See* Kayser, E.
- Scheelite. *See* Liversidge, A.
- Scheldt River (Netherlands). *See* Lorie, J.
- Schierstein (Nassau), *Megaceros*-Remains. *See* Römer, A.
- Schindelleggi (Schwytz). *See* Preller, C. S. Du R.
- Schist. *See* Hunt, A. R.
- 'Schistes lustrés,' Mont Jovet (Savoy). *See* Gregory, J. W.
- Schistosity. *See* Becker, G. F.
- Schists. *See* Cole, G. A. J.
- , Anglesey. *See* Greenly, E.
- , Casanna (Valais). *See* Duparc, L., & E. Ritter.
- , Caucasus (Russia) Palæozoic. *See* Inostranzev, A., &c.
- , Cornwall & Devon. *See* Hunt, A. R.
- , High Tauern (Styria). *See* Weinschenk, E.
- , Mont Blanc (Savoy). *See* Duparc, L., & L. Mrazec; *see* Graeff, F.; *see* Lubbock, Sir J.; *see* Vallot, J., & L. Duparc.
- , Pyrenees Metamorphic. *See* Carez, L.
- , Spanish. *See* Mallada, L.
- , Sutherland Crystalline. *See* Horne, J., & E. Greenly.
- Schizaster*. *See* Loriol, P. de.
- Schizodus*. *See* Miller, S. A., &c.
- 'Scialets.' *See* Wells, Natural.
- Scientific Societies, Great Britain. *See* Griffin, C.

- Schlan (Bohemia). See Jaroschka, J.
 Schleiz (Reuss). See Zimmermann, E.
 Schleswig-Holstein Boulder Palæozoic Fauna. See Stolley, E.
 — Tertiary Radiolaria. See Zeise, O.
 — Upper Chalk. See Stolley, E.
 'Schlier.' See Tausch, L. von.
Schmidtella. See Jones, T. R.
 Schneeberg District (Lower Austria). See Bittner, A.
 Schönbach, near Eger (Bohemia), Cinnabar. See Laube, G. C.
 Schulzenite. See Gaubert, P.; see Mårtens, P.
 Schwanebeck (Saxony) Pleistocene. See Wolterstorff, W.
 Schwarzwald (Baden) Earth-pillars. See Calker, F. J. P. van.
 Schweizbild (Schannhausen) Palæolithic Station & Pleistocene. See Steinmann, G.
 Scotch Devonian Plants. See Penhallow, D.
 Scotland. See Davis, W. M.
 — & Autun (France) Boghead Coal. See Renault, B.
 — (Eastern) Granites & Schists. See Horne, J., & E. Greenly.
 —, Geological Survey. See Geikie, Sir A.
 —, Granite of North-west Highlands. See M^{ahon}, C. A.
 —, Kirkeudbrightshire. See Horne, J., &c.
 —, Mines. See Atkinson, J. B., &c.
 —, Mining Industry. See Foster, C. Le N.
 — (North-eastern), Igneous Rocks. See Hinxman, L. W., & J. J. H. Teall.
 —, Old Red Sandstone. See Macnair, P., & J. Reid.
 —, Southern Highlands Rocks. See Macnair, P.
 —, Volcanic Action in. See Geikie, Sir A.
 —, Western Highlands. See Argyll, Duke of.
Scutella. See Loriol, P. de.
 Sea and Land. See Hann, J., &c.
 Sea-level, Finnish Quaternary Changes of. See Berghell, H.; see Frosterus, B.; see Hackman, V.; see Ramsay, W.; see Sederholm, J. J.
 —, See Finland.
 Sea-water, Gold and Silver in. See Liversidge, A.
 Seal, *Ancylus*-clay. See Munthe, H.
 Seas, Depth of Palæozoic. See Wethered, E. B.
 Šebenić (Dalmatia). See Kerner, F. von.
 Secondary Rocks, Southern Spain. See Nicklès, R.
 Sections, Crystal Axes and Mineral. See Viola, C.
 —, Rock. See Bleicher, —; see Keilhack, W.
 Sedimentary Deposits, Formation of Phosphate of Lime in. See Carnot, A.
 — Rock, Linear Marks in a. See Talmage, J. E.
 — Rocks. See Judd, J. W.
 Ségalas (Ariège), Volcanic Tuffs. See Lacroix, A.
Sequenziceras. See Levi, G.
 Seifersdorf (Austrian-Silesia) Mineral Water. See Ludwig, E.
 Seismic Phenomena. See Earthquakes.
 — Wave, Japan. See Anon., 22.
 Seismographs. See Davison, C.; see Milne, J.
 Seismology. See Milne, J.; see Montessus de Ballore, F. de; see Pilgrim, —.
 —, Philippine Islands. See Saderra Masó, P. M.
 Selachoidæ. See Dean, B.; see Jaekel, O.
 Selborne (Hants). See Martin, E. A.
 Selenium. See Jorissen, A.
 Senonian, Belgium, Dutch Limburg & Aix-la-Chapelle (Rhenish Prussia). See Rutot, A.
 —, Camps (Lot). See Toucas, A.
 Separation of Minerals by high Sp. Gr. See Penfield, S. L.
 — of Species by Isolation. See Ortman, A. E.
 Sepiolite. See Lacroix, A.
 Serpentine, Alpine Nickel-bearing. See Aston, E., &c.
 —, &c., Brenner District (Tyrol). See Blaas, J.
 —, Californian. See Lawson, A. C.
 —, Cuban. See Adán de Yarza, R.; see Pellitero, V.
 —, East Central Alps. See Weinschenk, E.
 —, Lizard District (Cornwall). See Bonney, T. G.; see Hunt, A. R.
 —, New South Wales. See Jaquet, J. B.
 —, Northern Apennine Tertiary. See Trabucco, G.
 —, Spanish. See Mallada, L.
 —, West of England. See Hunt, A. R.
 Serra, Monte (Central Apennines). See Canavari, M.
 Serraval (Savoie). See Haug, E.
 Serre-Chevalier Mts. (Hautes-Alpes). See Termier, L.
 Servia, Caverns. See Cvijić, J.
 Servian Lignite, Copper, Mercury, and Lead. See Launay, L. de.
 (Sette (Vicentino)), Jurassic Fauna. See Parona, C. F.
 Settlements, Myurus (Connemara), Prehistoric. See Bigger, F. J.
 Sévérac (Aveyron). See Curie —; see Fabre, —.
 Seychelles Archipelago. See Brauer, A.
 Seymour Island (Antarctic). See Sharman, G., & E. T. Newton.
 Shales. See Hutchings, W. M.

- Shap Granite Boulders, Lincolnshire. See Sheppard, T.
- Sharks. See Dean, B.
- , Devonian. See Claypole, E. W.
- Sheffield (Yorks), Boring at Apperknowle, near. See Coke, G. E.
- Shell Breccia. See Dickson, E., &c.
- Shells, Carbonate of Lime of. See Dickson, E., &c.
- , Molluscan. See Bernard, F.; see Douvillé, H.; see Munier-Chalmas, —.
- Shensi (China). See Steuer, A.
- Shiant Isles, Basalt. See Geikie, Sir A.
- Shingle Beaches. See Wheeler, W. H.
- Shore Deposits. See Wheeler, W. H.
- Shore-lines, Ancient. See Upheaval of Land.
- , Finnish Quaternary. See Berg-hell, H.; see Frosterus, B.; see Hackman, V.; see Ramsay, W.; see Sederholm, J. J.
- , St. Lawrence Valley Pleistocene. See Chalmers, R.
- , Våra Lake (Gothland Prov.), Ancient. See De Geer, G.
- Shores, Laramie Fossil (Dakota). See Todd, J. E.
- Shoshonite. See Iddings, J. P.
- Shotts of Algeria and Tunis. See Staudinger, P.
- Shropshire Coalfield. See Clarke, W. J.
- , Ordovician Crinoid. See Bather, F. A.
- (Northern), Superficial Deposits. See Callaway, C.
- Shumardocrinus*. See Miller, S. A., &c.
- Siam. See Black, J. S.; see Petition, A.
- , Rubies, &c. See Bauer, M.
- Siamo Slate, Michigan. See Van Hise, C. R., &c.
- Siberian, Cambrian, and Lower Silurian. See Toll, Baron E. von.
- , Coal. See Vénukov, P.
- , Triassic Cephalopoda, Eastern. See Bittner, A.
- 'Sicilian.' See Depéret, C.; see Rouville, P. G. de.
- , Chalk (Aragonite), Liquid Inclusions. See Negri, G. B.
- , *Halobia*-limestone. See Mojsisovics von Mösjvár E. von.
- , Quaternary. See Gregorio, Marquis A. de, &c.
- , Recent & Fossil Mollusca. See Gregorio, Marquis A. de.
- , Trias. See Lorenzo, G. de.
- Siderite. See Bemmelen, J. M. van.
- Sigillaria*. See Potonié, H.
- Sihl Valley (Zürich, &c.). See Preller, C. S. Du R.
- Silesian Elephant Remains. See Volz, W., & R. Leonhard.
- , Glacial Deposits. See Althaus, E.
- , Ore Deposits. See Rosenberg-Lipinsky, — von.
- (Upper), Coalfield. See Gäbler, B. (—), Lead, Zinc, and Iron. See Höfer, H.
- Silicate, New Artificial. See Friedel, G.
- Silicates. See Clarke, F. W.
- , Compact or Earthy. See Lacroix, A.
- Siliqua (Sardinia), Volcanic Rocks. See Bertolio, S.
- Siliquaria*. See Oppenheim, P.
- Sillimanite Gneisses, Central Anglesey. See Greenly, E.
- Silurian *Acidaspis*. See Lake, P.
- , Argentina. See Bodenbender, G.
- , Arkansas Novaculites. See Griswold, L. S.
- , Bohemia and Brittany. See Pocta, P.
- , Brachiopoda. See Stolley, E.; see Palæozoic.
- , Bryozoa, Canadian. See Ami, H. M.
- , Corals. See Wentzel, J.; see Worthen, A. H., &c.
- , —, Island of Gotland. See Lindström, G.
- , Crinoids. See Collins, J. H.; see Bather, F. A.; see Miller, S. A., &c.; see Stolley, E.; see Worthen, A. H., &c.
- , Erbray (Loiré-Inférieure). See Barrois, C.
- , Fauna, Cairns Range (Western Australia). See Jack, R. L.
- , Cape George, Antigonish Co. (N.S.). See Ami, H.
- , Carnic Alps. See Geyer, G.
- , Dutch Diluvial Pebbles. See Krause, G.
- , Graptolites. See Elles, G. L., & E. M. R. Wood; see Wiman, C.
- , Canadian. See Grant, C. C.
- , Industrial Products. See Anon., 13.
- , Kildare Inlier. See Reynolds, S. H., & C. I. Gardiner.
- (Lower), New Brunswick. See Matthew, G. F.
- , Phosphorite-bearing Rocks. See Andersson, J. G.
- , Rocks, Ohio & Indiana. See Foerste, A. F.
- , Sea, Depth of. See Wethered, E. B.
- , Siberia. See Toll, Baron E. von.
- , Strata, Big Horn Mts. (Wyoming) and Black Hills (S. Dakota). See Beecher, C. E.
- , Tabulate Corals. See Wentzel, J.
- , Trilobites. See Lake, P.; see Ehlert, D. P.; see Reed, F. R. C.; see Woodward, H.
- , Caermarthen (S. Wales). See Crosfield, M. C., & E. G. Skeat.
- , Gotland. See Lindström, G.
- , New South Wales. See Etheridge, R., Jun., & J. Mitchell.
- , Typical Fossils. See Koken, E.
- Silver. See Penfield, S. L.
- , Altenberg (Silesia). See Rosenberg-Lipinsky, — von.
- , British Columbia. See Gwillim, J. C.

- Silver, Broken Hill (N.S.W.). *See* Babu, L.; *see* Smith, G.
- , California. *See* Fairbank, H. W.
- , Cripple Creek (Col.). *See* Cross, W., & R. A. F. Penrose, Jun.
- , Georgia & North Carolina. *See* Blake, W. P.
- , Harz (Germany). *See* Lüdecke, O.
- , Hungary. *See* Gesell, A.
- , Idaho (U.S.A.). *See* Eldridge, G. H.
- , in Sea-water. *See* Liversidge, A.
- , Kongsberg (Norway). *See* Krusch, P.
- , Mercur (Utah). *See* Spurr, J. E.
- , Nasafjäll (Narrbotten Län). *See* Svenonius, F.
- , Ore, New South Wales. *See* Card, G. W.; *see* Liversidge, A.; *see* Slee, W. H. J.
- , Silesian. *See* Rosenberg-Ljipinsky, — von.
- Silveria Formation, Illinois. *See* Hershey, O. H.
- 'Simas.' *See* Caverns.
- Simme Valley (Bern). *See* Quereau, E. C.
- Simplon Massif (Valais). *See* Schmidt, C.
- Sinai (Arabia) Copper. *See* Berthelot, —.
- 'Sink Holes,' Kansas. *See* Hay, R.
- Siphonostoma*. *See* Bonomi, I.
- Siphons, Natural. *See* Martel, E. A.
- Siphuncle of *Endoceras*. *See* Holm, G.
- Sirenites*. *See* Mojsisovics von Mojsvár, E. von.
- Sirenoidea, Tertiary. *See* Depéret, C.
- Sisteron (Basses-Alpes). *See* Kilian, W., &c.
- Sivach Tertiary Deposits (Black Sea). *See* Sokolov, N.
- Sivizzano, Parma (Emilia). *See* Simonelli, V.
- Skåne (Sweden), Erratic Chalk Block from. *See* Grönwal, K. A.
- Skanör (Gothland). *See* Holst, N. O.
- Skillaw Clough, near Parbold (Lancs). *See* Dickson, E.
- Skomer Island, St. Bride's Bay. *See* Howard, F. T., &c.
- Skorodite. *See* Hohmann, T.
- Skrej (Bohemia). *See* Jahn, J. J.; *see* Pompeckj, J. F.
- Skye (Isle of) Basalt. *See* Geikie, Sir A.
- Skythian. *See* Mojsisovics von Mojsvár, E. von, &c.
- Slag Minerals, Laurium (Greece). *See* Lacroix, A.
- Slate. *See* Hunt, A. R.
- , Great Britain. *See* Anon., 13.
- Slates. *See* Cole, G. A. J.; *see* Hutchings, W. N.; *see* Maynard, W. M.
- , Norwegian Roofing. *See* Helland, A.
- Slates, United States. *See* Day, W. C.
- , Westmoreland. *See* Thomas, J. J.
- Slaty Cleavage. *See* Becker, G. F.
- Slaughter-house Creek (N.S.W.). *See* Stonier, G. A.
- Slocan (B. C.), Gold & Silver Ores. *See* Gwillim, J. C.
- Smaalenene Amt (Norway), Felspar & Mica Mining. *See* Friis, J. P.
- (—), Peat. *See* Ryan, E.
- Småland (Sweden), Archaean Eruptive Rocks. *See* Nordenskjöld, O.
- Smaragdite. *See* Bauer, M.
- Smilodon*. *See* Cope, E. D.
- Smithsonite. *See* Artini, E.
- Snares Islands (N.Z.). *See* Hector, Sir J.
- Snowdon (Caernarvon), Lakes near. *See* Watts, W. W.
- Soapstone. *See* Parker, E. W.
- , Norwegian. *See* Helland, A.
- Socorro Co. (New Mexico), so-called Tripoli. *See* Herrick, C. L.
- Soda-Felspar Rock, Dinas Head (Cornwall). *See* Fox, H.
- Söflestad Iron Ore, Thelmarken (Norway). *See* Vogt, J. H. L.
- Soil-Analysis. *See* Coste, F. H. P.
- Soils. *See* Gillot, X.; *see* Gruner, H.; *see* Hilgard, E. W.; *see* Mingaye, J. C. H.
- , Argentina. *See* Schickendantz, F.
- , Hawaiian. *See* Lyons, A. B.
- , Hérault. *See* Rouville, P. G. de.
- , Kansas River Valley. *See* Kirk, M. Z.
- , Polish-Livonia. *See* Lehmann, E.
- , South Norway. *See* Helland, A.
- , Tripoli. *See* Fucina, A.
- Soissons (Aisne). *See* Thomas, H.
- Solarium*. *See* Tiessen, E.
- Solenhofen (Bavaria) *Coccoteuthis*. *See* Crick, G.
- Solomon Islands. *See* Watts, W. W., & E. T. Newton.
- Somaliland (E. Africa). *See* Crick, G. C.; *see* Gregory, J. W.; *see* Newton, R. B.; *see* Smith, A. D.
- (—), Palaeolithic Implements. *See* Evans, Sir J.
- (—), *Parallelodon Egertonianus* from. *See* Newton, R. B.
- Somerset Coalfield. *See* Kidston, R.
- , Palaeozoic Mollusca of West. *See* Hicks, H.
- , Trias, Rhätic, & Lias. *See* Winwood, H. H.
- (Western). *See* Herries, R. S.
- (—), Palaeozoic Rocks. *See* Hicks, H.; *see* Whidborne, G. F.
- (—), Trias, Rhätic, & Lias. *See* Winwood, H. H.
- Somma, Monte (Naples), Eozoonal Structure of Ejected Blocks. *See* Johnston-Lavis, H. J., & J. W. Gregory.
- Sonora (Mexico), Free Gold in Granite. *See* Merrill, G. P.
- Soratte, Monte (Rome). *See* Meli, R.
- Sordavala (Finland). *See* Blankett, H.

- Sosoye (Liège), Carboniferous Fauna. See Fournier, D. G.
- Soudan (Northern). See Bent, J. T.
- Sources, Alpine Water Supply. See Blaas, J.
- South Australia, Earthquakes. See Hogben, G.
- , Glaciation. See Tate, R., &c.
- , Marine Tertiaries. See Tate, R., & J. Dennant.
- , Older Tertiaries. See Pritchard, G. B.
- South Carolina, Geological Surveys. See Klittke, M.
- , Gold. See Nitze, H. B. C., & H. A. J. Wilkens.
- , Monazite. See Mezger, C. A.
- , Underground Water Supply. See Holmes, J. A.
- South Joggins (Nova Scotia), Batrachian Remains from. See Dawson, Sir J. W.
- South Mountain (Pa.) Volcanic Rocks. See Bascom, Florence.
- South Wales Coalfield. See Anon, 12; see Kidston, R.
- Southampton Waterworks. See Matthews, W.
- Southwold (Suffolk). See Spiller, J.; see Woodward, H. B.
- Spa (Liège). See Dewalque, G.
- Spain & Colonies, Geology, 1893. See Puig y Labraz, G.
- , Caverns. See Puig y Labraz, G.
- (Northern), Iron Ores. See Gill, W.
- (—), Manganese Ore. See Head, J.
- (Southern), Secondary Rocks of. See Nicklès, R.
- (South-eastern). See Nicklès, R.
- Spanish Igneous & Crystalline Rocks. See Mallada, L.
- Sparagmite District (Hedemarken, Norway), 'Eye-gneiss' in. See Schiötz, O. E.
- Spatangus*. See Loriol, P. de.
- Species, Extinction of. See Morris, C.
- Specific Gravity of Minerals. See Keilhack, K.; see Miers, H. A.
- Specimens, Means of Developing. See Rowe, A. W.
- Speeton Series, Yorkshire &c. See Lamplugh, G. W.
- 'Spéléologie.' See Caverns.
- Sperrylite. See Walker, T. L.
- Spessart (Bavaria). See Bücking, H.
- Spezia (Liguria) Lias Fauna. See Fucini, A.
- Sphærexochus*. See Reed, F. R. C.
- Sphærobolus*. See Matthew, G. F.
- Sphalerite. See Artini, E.
- Sphenophyllian Fructification, Carboniferous. See Solms-Laubach, Count H.
- Sphenophyllum*. See Renault, B.; see Seward, A. C.
- Sphenopteris*. See Johnston, R. M.; see Kidston, R.; see Lima, W. de; see Zeiller, R.
- Sphenotus*. See Whidborne, G. F.
- Spherulite. See Hyndman, H. H. F., & T. G. Bonney.
- Spherulitic Volcanic Rocks, North Haven (Maine). See Bayley, W. S.
- Spilsby Beds. See Lamplugh, G. W.
- Spinell. See Bauer, M.
- Spirifer*. See Hicks, H.; see Maurer, F.
- , Central Asian Devonian & Carboniferous. See Suess, E., &c.
- , Classification of the Genus. See Scupin, H.
- , Lower Devonian. See Barrois, C.
- *Verneuli*. See Gosselet, J.
- Spiriferina*. See Philippi, E.
- Spirifers, Belgian Coblenzian. See Bédard, F.
- Spirigera*. See Philippi, E.
- Spirillina*. See Jones, T. R.
- Spirorbis*. See Miller, S. A., &c.
- Spirorhaphe*. See Fuchs, T.
- Spitsbergen. See Feilden, H. W.; see Garwood, E. J., &c.; see Gratzl, A.; see Gregory, J. W.
- Spizza (S. Dalmatia). See Bukowski, G. von.
- Splügen Pass (Leptontine Alps). See Mattiolo, E.
- Sponge, Carboniferous Limestone. See Hinde, G. J.
- Sponges. See Hinde, G. J.; see Koken, E.; see Lydekker, &c.; see Rauff, H.; see Traxler, L.
- , Illinois Fossil. See Worthen, A. H., &c.
- Springs, Alpine. See Blaas, J.
- , Baden (Aargau) Mineral. See Preller, C. S. Du R.
- , Hot. See Hot Springs.
- , Intermittent. See Mazaauric, F.
- , Origin of. See Keilhack, K.
- , Temperatures of. See Martel, E. A.
- Staffa (Isle of) Basalts. See Geikie, Sir A.
- Staffordshire Boulder Drift. See Anon., 17.
- Coalfield. See Clarke, W. J.; see Ward, J.
- , Millstone Grits of North. See Anon., 33.
- (Southern) Mineral Resources. See Hughes, H. W.
- Stalactites, Formation of. See Merrill, G. P.
- Stalagmite, Wyandotte Cave (Ind.). See Mercer, H. C.
- Stanmore Common (Middlesex). See Salter, A. E.
- Stapleford (Notts). See Shipman, J.
- Staurolite. See Bauer, M.
- Stavelot (Nord) Cambrian Massif. See Forir, H.
- Steeple Claydon (Bucks). See Woodward, H. B.
- Steganocrinus*. See Miller, S. A., &c.
- Stegomus*. See Marsh, O. C.

- Steinmannites.* See Mojisovics von Mojsvár, E. von.
- Steneosaurus.* See Glangeaud, P.
- Stereornithes.* See Andrews, C. W.
- Stibinite.* See Buttgenbach, H.
- Stichoporina.* See Neviani, A.
- Stigmaria.* See Renault, B.
- Stilpnomelane.* See Ferrier, W. F.
- Stirling Dolerite* (Scotland). See Monkton, H. W.
- Stockport District* (Lancs). See Kay, T.
- Stolzite.* See Card, G. W.
- Stomatograptus.* See Wiman, C.
- Stomatopora,* Central Asian Devonian. See Suess, E., &c.
- Stone Age,* Hertfordshire. See Evans, Sir J.
- , Nova Scotia. See Piers, H.
- , Folk-lore. See Duns, —.
- , Implements. See Evans, Sir J.
- , Quarries, Great Britain, &c. See Atkinson, J. B., &c.
- , Röchlitz Mt. (Saxony). See Herrmann, O.
- Stonesfield* (Oxon), Shaft sunk at. See Walford, E. A.
- , Slate. See Walford, E. A.
- Storè* (Styria). See Dreger, J.
- Stormur Turf Moor* (Sweden). See Hellsing, G.
- Storsjön* (Hedemarken). See Schiötz, O. E.
- Straparollus.* See Miller, S. A., &c.
- Strasbourg* (Alsace). See Vélain, C.
- Stratford-on-Avon* (Warwick) Boring. See Brown, H. T.
- Strath* (Skye) Granophyres. See Harker, A.
- Strathearn* (Perth), 'Fairy Stones' from Clay. See Holroyd, W. F., & J. Barnes.
- Stratigraphy,* Importance of Detail. See Marr, J. E.
- Stream Modifications.* See Campbell, M. R.
- Stream-robbing,* Catskill Mts. (N.Y.). See Darton, N. H.
- Streptorhynchus.* See Suess, E., &c.
- Striatipora.* See Barrois, C.; see Suess, E., &c.
- Stribite Granite.* See Kjerulf, T.
- Stricklandinia.* See Hicks, H.; see Weller, S., & A. D. Davidson.
- Strigoceras.* See Brasil, L.
- Stringocephalus.* See Suess, E., &c.
- , limestone, Paffrath (Rhenish Prussia). See Winterfeld, F.
- Stromboli* (Lipari Islands). See Bergat, A.
- Strombus.* See Oppenheim, P.; see Vogel, F.
- Strongyloceros.* See Meli, R.
- Strophomena.* See Barrois, C.; see Kayser, E.
- Strophostylus.* See Barrois, C.
- Strotocrinus.* See Miller, S. A., &c.
- Strzeleckia.* See Johnston, R. M.
- Stubalp* (Styria). See Ippen, J. A.
- Stutton* (Suffolk) Boring. See Whitaker, W.
- Stylodacna.* See Stefanescu, S.
- Stylodictyon.* See Suess, E., &c.
- Stylolithes.* See Fuchs, T.
- Stypticite.* See Hohmann, T.
- Styria* (Austria) Minerals. See Doll, E.
- (Middle) Crystalline Rocks. See Ippen, J. A.
- Styrian Alps.* See Clar, K.; see Dölter, C.; see Ippen, J. A.
- , Basalts, &c. See Sigmund, A.
- , Igneous & Metamorphic Rocks. See Dölter, C.
- , Mica Schist and Pegmatites. See Bauer, C.
- Subaerial Denudation.* See Davis, W. M.
- Subclymenia.* See Crick, G. C.; see Whidborne, G. F.
- 'Subhercye Tourtia.' See Tiessen, E.
- Sublacustrine Till.* See Upham, W.
- Submarine Peaks, Isolated.* See Littlehales, G. W.
- Submerged Forests,* Wirral (Cheshire). See Forbes, H. O.
- , Pine Forest, Bray (Co. Dublin). See Praeger, R. L.
- Subsidence,* Brüx (Bohemia) Land. See Toula, F.
- Subsidences, Earth.* See Förtsch, —.
- Suderö* (Farøe Islands) Basalt. See Geikie, Sir A.
- Suessonian.* See Reyt, L.
- , Diatoms. See Cayeux, L.
- Suffolk, Coast Erosion.* See Spiller, J.
- , Gravels. See Howorth, Sir H. H.; see Salter, A. E.
- , Pliocene. See Harmer, F. W.
- , Underground Rocks. See Whitaker, W.
- , Well-sections. See Whitaker, W.
- Suidæ.* See Studer, Th.
- Sulcoactæon,* Jurassic. See Cossmann, M.
- Sulens, Mt.* (Savoy). See Haug, E.
- Sulitelma Mt. District* (Norway & Sweden). See Sjögren, H.
- Sulphur.* See Parker, E. W.
- , Chile. See Hohmann, T.
- , Silesia. See Rosenberg-Lipinsky, — von.
- Sumatra.* See Hügel, A. von.
- , Petroleum. See Weeks, J. D.
- Summajokis River* (Finland) Deltas. See Rosberg, J. E.
- Sunday Island, Volcanic Activity in 1814.* See Smith, S. P.
- Superficial Deposits of North Shropshire.* See Callaway, C.
- Superior (Lake) Region.* See Day, D. T.; see Herbertson, A. J.; see Iron Ores.
- Surface Deposits.* New Brunswick, &c. See Chalmers, R.
- Surtarbrand* (Iceland) Tertiary. See Thoroddsen, T.

- Surveying, Geological. *See* Blaas, J.; *see* Keilhack, K.
- Sus, Mollasse. *See* Studer, T.
- Susa Valley (Piedmont). *See* Piolti, G.
- Susquehanna Valley (Lower) Glacial Gravels. *See* Bashore, H. B.
- Sutherland Goldfield. *See* Greenly, E.
- , Granites and Crystalline Schists. Horne, J., & E. Greenly, E.
- Sutlej Valley (N.W. Himalayas). *See* M^cMahon, C. A.
- Swabian Ice Age. *See* Fraas, E.
- Jura Ammonites. *See* Pompeckj, J. F.
- Lias Fishes. *See* Fraas, E.
- Swaledale (Yorks) Lead Ore. *See* Bradley, L.
- Swallow Holes. *See* Caverns, &c.; *see* Martel, E. A.
- Swanage (Dorset). *See* Hudleston, W. H., &c.
- Swans, Fossil. *See* Portis, A.
- Swanscomb Hill (Kent). *See* Newton, E. T.
- Swansea (Tasmania), Alluvial Drift Timber. *See* Legge, W. V.
- Sweden, Borings in Granite, &c. for Water. *See* Nordenskjöld, A. E.
- , Cambrian Zones. *See* Wallerius, I. D.
- , Glacial Periods. *See* Holst, N. O.
- (North), High Shore-lines. *See* Högbom, A. G.
- , Regional Metamorphism. *See* Svenonius, F.
- Swedish Apatite. *See* Svenonius, F.
- Eruptive Rocks. *See* Andersson, J. G.
- Eskers. *See* Post, H. von.
- Geology. *See* Nathorst, A. G.
- Glacial Sand. *See* Keilhack, K.
- 'Hällefinta.' *See* Nordenskjöld, O.
- Igneous Rocks. *See* Igneous Rocks.
- Manganese Ore. *See* Anon, 11.
- Palæozoic Phosphorite-bearing Rocks. *See* Andersson, J. G.
- Quaternary Deposits, Southern. *See* Munthe, H.
- Sandstone & Limestone, Dalarne. *See* Hedström, H.
- Swiss Alps. *See* Haug, E.
- Cretaceous Corals. *See* Koby, F.
- Switzerland. *See* Grossmann, K.; *see* Lubbock, Sir J.
- , Cretaceous District North of Klön Valley (Glarus). *See* Burckhardt, C.
- , Glacial Deposits. *See* Preller, C. S. Du R.
- , Glacial Striæ. *See* Lomas, J.
- , Nickel-bearing Serpentine. *See* Aston, E., &c.
- , Pitch Coal. *See* Gümbel, W. von.
- Sydney Coalfield (N.S.). *See* Gilpin, E.
- Syenite. *See* Rosenbusch, H.
- Deutschenbora (Saxony). *See* Henderson, J. M^cC.
- Syenite, Cuban. *See* Adán de Yarza, R.
- , Finland. *See* Hackman, V.
- -gneiss, Ottawa Co. (Canada). *See* Gordon, C. H.
- , Roths Schönberg (Saxony) Micaceous. *See* Henderson, J. M^cC.
- , Serra de Monchique (Algarve, S. Portugal). *See* Kraatz-Koschlau, K. von, &c.
- Syenitic Rocks, California. *See* Turner, H. W.
- Syllomus. *See* Cope, E. D.
- Symoliophis. *See* Sauvage, H. E.
- Synaphe. *See* Jones, T. R., &c.
- Synbathocrinus. *See* Miller, S. A., &c.
- Synthesis of Rocks & Minerals. *See* Grimsley, G. P.
- Syria Pliocene. *See* Oppenheim, P.
- Syringopora. *See* Suess, E., &c.
- 'Syzygy.' *See* Bather, F. A.
- Szabó, Josef von. *See* Koch, A.
- Tabulate Corals, Upper Silurian. *See* Wentzel, J.
- Tachylite, Kermadec Island. *See* Speight, R.
- Tænioxydon. *See* Felix, J.
- Tafna (Algeria) Tertiary. *See* Gentil, L.
- Takla-Makan Desert (Chinese Turkestan). *See* Hedin, S.
- Talc Quarries, Luzenac (Ariège). *See* Pillez, L.
- Talcahuano Bay (Chili) Submarine Volcano. *See* Cienfuegos, —.
- Tammaw (Upper Burma). *See* Bauer, M.; *see* Nötling, F.
- Tanna (New Hebrides) Earthquakes. *See* Gray, W.
- Tapirus. *See* Hatcher, J. B.; *see* Studer, T.
- Tarannon Beds, Conway (Caernarvon). *See* Elles, G. L., & E. M. R. Wood.
- Tarascon (Bouches-du-Rhône). *See* Torcapel, A.
- Tarbes (Hautes-Pyrénées). *See* Boule, M.; *see* Carez, L.; *see* Seunes, —.
- Tarentaise, La (Dauphiné). *See* Bertrand, M.
- Tarhuna (Tripoli). *See* Cowper, H. S.
- Tarns, Lake District. *See* Marr, J. E.
- near Snowdon (Caernarvon). *See* Watts, W. W.
- Tasmania, Earthquakes. *See* Montessus de Ballore, F. de.
- , Evidences of Glacial Action. *See* David, T. W. E.
- , Glaciation of West Coast. *See* Moore, T. B.
- , Mesozoic and Permo-Carboniferous Plants. *See* Johnston, R. M.
- , Older Tertiaries. *See* Pritchard, G. B.
- Tasmanian Marine Tertiaries. *See* Tate, R., & J. Dennant.
- Minerals. *See* Petterd, W. F.
- Tattingstone Crag District (Suffolk). *See* Newton, E. T., &c.

- Taubach (Weimar) Pleistocene Mollusca. *See* Weiss, A.
- Tauern Mts. (Tyrol). *See* Löwl, F.
- Tauern (Styria), Rocks and Minerals of High. *See* Weinschenk, E.
- Taunus Mts. Quartzites. *See* Leppla, A.
- Taveyannaz (Savoy) Sandstones. *See* Duparc, L., & E. Ritter.
- Taxocerinus*. *See* Miller, S. A., &c.
- Tealby Beds. *See* Lamplugh, G. W.
- Tectonic Geology. *See* Supan, A.; *see* Vélain, C.
- , Sulitelma Mt. District (Scandinavia). *See* Sjögren, H.
- Teeth, Fishes. *See* Ridewood, W. G.
- , French Cretaceous Fish. *See* Priem, F.
- , Mammalian. *See* Ameghino, F.
- of Devonian Sharks. *See* Claypole, E. W.
- Tehran (Persia). *See* Wells, H. L.
- Teisendorf (Bavaria). *See* Reis, O. M.
- Tejřovic (Bohemia). *See* Jahn, J. J.; *see* Pompeckj, J. F.
- Telemarken (S. Norway). *See* Reusch, H.
- Teleosaurus*. *See* Philippi, R. A.
- Teleostean Fishes. *See* Woodward, A. S.
- Tennocyon* from 'John Day' Miocene (Or.). *See* Eyerman, J.
- Temperature, Increase in Deep Shafts. *See* Brough, B. H.
- , Underground. *See* Anon., 37.
- Tennberget Limestone (Sweden). *See* Weibull, M.
- Tennessee Building Stones. *See* Day, W. C.
- Chrome. *See* Glenn, W.
- Coal. *See* Parker, E. W.
- Copper Ores. *See* Henrich, C.; *see* Kirchoff, C.
- Iron Ores. *See* Birkinbine, J.
- , Geological Surveys. *See* Klittke, M.
- Gold. *See* Nitze, H. B. C., & H. A. J. Wilkens.
- Petroleum. *See* Weeks, J. D.
- Phosphates. *See* Hayes, C. W.; *see* Memminger, C. G.; *see* Safford, J. N.
- White Phosphates. *See* Hayes, C. W.
- Tenorite. *See* Hohmann, T.
- Tentaculites*. *See* Whidborne, G. F.
- Tephrite. *See* Rosenbusch, H.
- Tuffs, North Bohemian. *See* Graber, H. V.
- Teramo (Abruzzo). *See* Cerulli, I. S.; *see* Moderni, P.
- Terebratula*. *See* Bittner, A.; *see* Bizet, P.; *see* Levi, G.; *see* Tiessen, E.
- *aspasia*-Beds, Tuscany. *See* Levi, G.
- , Calabrian Lias. *See* Greco, B.
- , Triassic. *See* Bittner, A.
- Terminal Moraines, Silesia. *See* Althans, E.
- —, Southern Baltic. *See* Berendt, G.
- Terquemia*. *See* Bittner, A.
- Terra del Fuego. *See* Arctowski, H.
- Terracina (Rome). *See* Donat, F. M. von; *see* Meli, R.
- Tertiaries, Ardennes (France) & Condroz Massif (Belgium). *See* Lohest, M.
- , Ash (Kent). *See* Harrison, B.
- , Australian & Tasmanian Marine. *See* Tate, R., & J. Dennant.
- , Belgium. *See* Dewalque, G.; *see* Mourlon, M.
- , Bincombe (Dorset) Vertical. *See* Fisher, O.
- , Bordeaux District. *See* Degrangé-Touzin, A.
- , Colli Berici (Venetia). *See* Oppenheim, P.
- , East Anglian Upper. *See* Dollfus, G.
- , Gorju District (Roumania). *See* Redlich, K. A.
- , Guadalquivir (Seville). *See* Calderon, S.
- , Isle of Wight. *See* Herries, R. S., & H. W. Monckton.
- , Moravia. *See* Rzehak, A.
- , Savoy. *See* Douxami, H.
- , Southern Australian Older. *See* Pritchard, G. B.
- , Vienne, Charente & Dordogne. *See* Glangeaud, P.
- Tertiary & Quaternary, Durance Valley (S. France). *See* David-Martin, —.
- & Recent Plants. *See* Ettingshausen, C. Freih von.
- , Apennine. *See* Sacco, F.
- , Asteroidea. *See* Del Prato, A.
- , Basalt-plateaux of N.W. Europe. *See* Geikie, Sir A.
- , Basin, Tafna (Algeria). *See* Gentil, L.
- , Coal, Wirtatobel (Vorarlberg). *See* Gümbel, W. von.
- , Crystalline Rocks, French Alps. *See* Termier, L.
- , Deposits, Caucasus (Russia). *See* Inostranzev, A., &c.
- , Colorado, Kansas, & Nebraska (U.S.A.). *See* Hay, R.
- , Inn District of Upper Austria & Bavaria. *See* Tausch, L. von.
- — & Fauna, Chile. *See* Steinmann, G., &c.
- , Fauna, Bresse District (Ain). *See* Depéret, C.
- , Mont Berru, near Cernay (Marne). *See* Lemoine, V.
- , Orthez & Salies-de-Béarn (Basses-Pyrénées). *See* Degrangé-Touzin, A.
- , Roumanian. *See* Stefanescu, S.

- Tertiary Fauna, South-western France. See Degrange-Touzain, A.; see Reyt, L.
- Fishes. See Ogilby, J. D.
- , Piedmont and Liguria. See De-Alessandri, G.
- , Sardinian. See Lovisato, D.
- Folds, Saint-Chinian (Hérault). See Bergeron, J.; see Rouville, P. G., &c.
- , Fontainebleau (Seine-et-Marne). See Termier, P.
- Foraminifera, Austrian. See Rzehak, A.
- Fringe, Jura. See Boistel, —.
- Gasteropoda. See Vinassa de Regny, P. E.
- , Gulf of Perekop, &c. (Black Sea). See Sokolov, N.
- Hysteronorphous Gold Deposits, New Zealand. See Gordon, H. A.
- , Java. See Martin, K.
- Lacustrine Formations, North America. See Scott, W. B.
- Lamellibranchiata. See Vinassa de Regny, P. E.
- , Landes. See Fallot, E.
- , Langhian. See Stefani, C. de.
- , Liverdun (Meurthe-et-Moselle). See Bleicher, —.
- Mammals. See Depéret, C.; see Eyerman, J.; see Fairchild, H. Le R.; see Sclater, W. L.
- , Russian. See Pavlov, Marie.
- , South American. See Mercerat, A.
- Maltese Mollusca. See Gregorio, Marquis A. de.
- Mollusca. See Oppenheim, P.
- , Italian. See Vinassa de Regny, P. E.
- , Monte Mario (Prov. Rome). See Meli, R.
- , Philippines. See Martin, K.
- , Upper. See Mayer-Eymar, C.
- , Venetian. See Gregorio, Marquis A. de.
- , Venetian Alps. See Vinassa de Regny, P. E.
- , Monte Mario (near Rome). See Sabatini, V.
- , New Jersey. See Clark, W. B.
- Nomenclature. See Nomenclature.
- , N.W. Iceland. See Thoroddsen, T.
- , Pausram (Moravia). See Rzehak, A.
- Plants, British Columbia. See Monckton, G. F.
- , European. See Ettingshausen, C. Freih. von.
- , South American. See Engelhardt, H.
- , Yellowstone National Park (U.S.A.). See Knowlton, F. H.
- Polyzoa, Victoria (Australia). See MacGillivray, P. H.
- Portuguese Echinoderms. See Loriol, P. de.
- Tertiary Radiolaria, Schleswig-Holstein. See Zeise, O.
- Reptilia. See Depéret, C.
- Rocks, Bernese Alps. See Quereau, E. C.
- , Sainte-Croix (Jura vaudois). See Douxami, H.
- Serpentine, Northern Apennines. See Trabucco, G.
- Tufts, North Bohemian. See Graber, H. V.
- (Upper) Seas, Western Europe. See Dollfus, G. F.
- Teschenite. See Eichleiter, C. F.
- Testudinata. See Cope, E. D.
- Testudo. See Depéret, C.
- Tetracrita. See Steinmann, G., &c.
- Tetradymite. See Card, G. W.
- Tetragophosphate. See Igelström, L. J.
- Tetragraptus. See Holm, G.
- Tetschen a. d. Elbe (Bohemia). See Hibsich, J. E.
- Texas Asphaltum. See Parker, E. W.
- Building Stones. See Day, W. C.
- Cinnabar. See Blake, W. P.
- Coal. See Parker, E. W.
- , Geological Surveys. See Klittke, M.
- Jura. See Marcou, J.
- Petroleum. See Weeks, J. D.
- Salt. See Parker, E. W.
- Water Supply. See Newell, F. H.
- Text-book, Geological. See Judd, J. W.
- Thalamocrinus. See Miller, S. A., &c.
- Thames Valley. See Salter, A. E.
- Thamnastræa. See Suess, E., &c.
- Tharsis Copper Ore (Huelva). See Courtenay, C. F.
- Thaumassite. See Penfield, S. L., & J. H. Pratt; see Pisani, F.
- Thelemarken (Norway) Iron Ore. See Vogt, J. H. L.
- Theonoidæ. See Gregory, J. W.
- Theralite. See Wolff, J. E.
- Thermal Springs. See Hot Springs.
- , Wiesbaden (Nassau). See Fresenius, R.
- Theropoda. See Depéret, C.
- Thetidites. See Mojsisovics von Mojsvár, E. von.
- Thinnfeldia. See Johnston, R. M.
- Thinopus. See Marsh, O. C.
- Thissbites. See Mojsisovics von Mojsvár, E. von.
- Thonon (Svoy). See Douxami, H.
- Thoracopterus. See Bassani, F.
- Thunder Bay (Lake Superior) Cherts, &c. See Ingall, E. D.
- Thuringia, Earth Subsidences. See Förtsch, —.
- Thyestidæ, Russian Upper Silurian. See Rogon, J. V.
- Thylacinus. See Broom, R.; see Ogilby, J. D.
- Thylax. See Renault, B.
- Thyranocrinus. See Miller, S. A. &c.
- Tian-Shan (Central Asia). See Suess, E., &c.

- Tibet. *See* Littledale, St.-G. R.; *see* Suess, E., &c.
 ——— Jadeite. *See* Bauer, M.
Tibétites. *See* Mojsisovics von Mojsvár, E. von.
 Ticino (N. Italy). *See* Lubbock, Sir J.
 Till in Glacial Lakes. *See* Upham, W.
Tillodontia. *See* Osborn, H. F., & C. Earle.
 Tin. *See* Anon., 13; *see* Rolker, C. M.
 ——— Deposits, Durango (Mexico). *See* Ingalls, W. R.
 ———, Herbertson (N. Queensland). *See* Munday, J.
 ———, Mount Bischoff (Tasmania). *See* Kayser, H. W. F., & R. Provis.
 ———, New South Wales. *See* Slee, W. H. J.
 ——— Ore, Altenberg (Saxony). *See* Beck, R.
 ———, Shannon Vale, Mitchell River (N.S.W.). *See* Stonier, G. A.
 ———, Tasmanian. *See* Petterd, W. F.
 ——— Veins. *See* Gautier, E.
 Tindoul de la Vayssière (Aveyron), Caverns. *See* Martel, E. A.
 Tinguaita Dykes, Bearpaw Mts. (Montana). *See* Weed, W. H., & L. V. Pirsson.
 Tinstone Crystals, N.S.W. *See* Liversidge, A.
 ———, Durango (Vizcaya, Spain). *See* Collins, J. H.
Tirolidia. *See* Bittner, A.
 Titanates. *See* Lacroix, A.
Titanichthys. *See* Claypole, E. W.
 Titaniferous Andradite, Dunganon (Ont.). *See* Adams, F. D., & B. J. Harrington.
 ——— Iron Ores, Adirondacks (N.Y.). *See* Kemp, J. T.
 ——— Sand, New Zealand. *See* Purser, E.
 Titanite. *See* Bauer, M.
 Titano, Monte (San Marino). *See* Angelis d'Ossat, G. de.
Titanosaurus. *See* Ameghino, F.; *see* Depéret, C.
 Tithonian Radiolaria, &c., Ardèche (S. France). *See* Cayeux, L.
 Toarcian, Calvados (France). *See* Brasil, L.
 Tobago (West Indies) Mollusca. *See* Guppy, R. J. L.
 Tochi Valley (Waziristan) Igneous Rocks. *See* Hayden, H. H.
Todeopsis. *See* Renault, B.
 Togo (Equatorial East Africa). *See* Stromer von Reichenbach, E. Freih.
 Tokio (Japan) 1895 Earthquake. *See* Milne, J.
 Tomsk (Asia). *See* Peetz, H. de; *see* Vénukov, P.
 Tonalite. *See* Grubenmann, U.
 Tongrian, Brabant. *See* Velge, G.
 Topaz. *See* Bauer, M.; *see* Hiki, T.; *see* Lacroix, A., & — Sol; *see* Liversidge, A.
 Topography & Drainage Modifications. *See* Campbell, M. R.
 Torbay (Devon) Pleistocene. *See* Somervail, A.
Tornatellæa, Jurassic. *See* Cossmann, M.
Tornoceras. *See* Maurer, F.
 Tortoise, Bohemian Brown-coal. *See* Laube, G. C.
 Tortoises. *See* Depéret, C., &c.
 ———, Roussillon (France) Pliocene. *See* Depéret, C., & A. Donnezan.
 Tortonian. *See* Depéret, C.; *see* Munier-Chalmas, —, & A. de Lapparent.
 ——— Castelnovo ne' Monti (Reggio, Emilia). *See* Simonelli, V.
 ——— Mollusca. *See* Sangiorgi, D.
 Töss Valley (Zürich). *See* Bosshard, A.
 Toulouse (Haute-Garonne) Alluvium. *See* Harlé, E.
 ——— (——) Quaternary Gasteropoda. *See* Fagot, P.
 Touraine Deposits, *Natica*. *See* Mayer-Eymar, C.
 Tourmaline. *See* Bauer, M.; *see* Hohmann, T.; *see* Hovey, E. O.; *see* Traube, H.
 Tournai (Hainault) Calcareous Schist Fauna. *See* Dewalque, G.
 ——— (——) Calcareous Schists. *See* Lohest, M., & H. Forir.
 ——— (——) Carboniferous Fauna. *See* Dewalque, G.
 'Tournaisien *d.*' *See* Dewalque, G.
 Tourtian Fauna. *See* Tiessen, E.
Toxodon. *See* Ameghino, F.
 ———, Dentition. *See* Roth, S.
 Toxodontia. *See* Mercerat, A.
Trachyceras. *See* Mojsisovics von Mojsvár, E. von.
 Trachyte. *See* Rosenbusch, H.
 ———, Columbretes (Gulf of Valencia). *See* Becke, F.
 ———, Tuscany. *See* Chelussi, I.
 Trachytic Tuff, N.S.W. *See* Card, G. W.
 Traisen River (Lower Austria). *See* Bittner, A.
 Traismauer (Lower Austria). *See* Bittner, A.
 Transvaal (S. Africa). *See* Emmons, S. F.; *see* Lobley, J. L.; *see* Struben, F. P. T.
 ——— (——), Auriferous Conglomerates. *See* Lodin, A.
 ——— (——), ———. *See* Auriferous Deposits.
 ——— (——), Carboniferous Beds. *See* Lapierre, —.
 ——— (——), Coal. *See* Launay, L. de; *see* Shipley, T. B.
 ——— (——), Coal-Deposits. *See* Anon., 38.
 ——— (——), Coalfields. *See* Brown, W. F.
 ——— (——), Gold. *See* Brown, N.; *see* Bunkell, H. B.; *see* Cumenge, E.; *see* Czynskowski, S.; *see* Demaret, —; *see* Draper, D.; *see* Exton, H.; *see* Frames, M. E.; *see* Hatch, F. H.; *see* Kuntz, J.;

- see Launay, L. de; see Lodin, A.; see Moore, C. W.; see Phillips, J. A., & H. Louis; see Rait, H. T.; see Sawyer, A. R.; see Schenk, A. J.; see Tottenham, R. G. S.; see White, T. F.; see Zereker, M. B.
- Transvaal (S. Africa), Karoo Plants. See Zeiller, R.
- (—), Mineral Resources. See Lobley, J. L.
- (—), Pilgrims' Rest District. See Brown, N.
- (—), Venterskroom Goldfield. See Bunkell, H. B.
- (—), Witwatersrand Conglomerate. See Gold.
- Transylvania (Hungary). See Böckh, J.; see Halaváts, J.; see Pethó, J.; see Posewitz, T.; see Schafarzik, F.; see Szontagh, T. von; see Teleged, L. R. von; see Tóth, M.
- Trap Dykes, Chester co. (Pa.). See Frazer, P.; see Rand, T. D.
- , Hanchurch Hills (Staffs). See Anon., 40.
- Trapa. See Sernander, R., &c.
- Seeds, Subfossil in Småland (Sweden). See Nathorst, A. G.
- Traunstein (Bavaria), District South of. See Reis, O. M.
- Trebbia Valley (S. Lombardy). See Traverso, S.
- Tree-trunks erect in Coal, Liège (Belgium). See Schmitz, R. P. G.
- , Lens (Nord). See Gosselet, J.
- Trenton Limestone Fauna, Lake Winnipeg, &c. (Canada). See Whiteaves, J. F.
- Polyzoa. See Lambe, L. M.
- Rocks. See White, T. G.
- Trepotomata. See Gregory, J. W.
- Tretto (Giudicaria) Trias. See Arthaber, G. von.
- Trévoux (Ain). See Dep^a
- Triarthrus. See Beecher, see Ehlert, D. P.
- Trias. See Mojsisovics von Mojsvár, E. von, &c.
- , Alpine, &c. See Benecke, E. W.; see Bittner, A.
- , Ammonites from Himalayan. See Diener, C.
- , Apennine. See Sacco, F.
- , Borings near Liverpool (Lancs). See Morton, G. H.
- , Cahors District (Lot). See Fournier, E.
- , Classification of Marine. See Smith, J. P.
- , Coburg. See Loretz, H.
- , Dalmatian. See Bukowski, G. von.
- Fossils, Salt Range (Panjab). See Waagen, W.
- , French Alps. See Duparc, L., & L. Mrazec.
- , Gulf of Ismid (Asia Minor). See Toula, F.
- Trias Industrial Products. See Anon., 13.
- , Liverpool (Lancs). See Morton, G. H.
- (Lower), Venetian Alps. See Tommasi, A.
- , Mediterranean & Indian. See Mojsisovics von Mojsvár, E. von, &c.
- , Mont Blanc (Haute-Savoie). See Duparc, L., & L. Mrazec.
- , Mont Catogne (Valais). See Graeff, F.
- , North Tyrol. See Schlosser, M.
- , Provence. See Bertrand, W.
- , Reptilian Footprints. See Beasley, H. C.
- , St. Cassian (Tyrol) Coral Fauna. See Frech, F., & W. Volz.
- , Salzburg (Austria). See Mojsisovics von Mojsvár, E. von.
- Sea. See Mojsisovics von Mojsvár, E. von.
- , Sicilian & South Italian. See Mojsisovics von Mojsvár, E. von; see Lorenzo, G. de.
- , Stratford-on-Avon (Warwick). See Brown, H. T.
- , Typical Fossils. See Koken, E.
- , Tyrol. See Bittner, A.
- , West Somerset. See Winwood, H. H.
- Triassic Ammonites, New Caledonia. See Mojsisovics von Mojsvár, E. von.
- Brachiopoda & Lamellibranchiata. See Bittner, A.
- Cephalopoda, Braič (Dalmatia). See Bukowski, G. von.
- , Himalayan. See Mojsisovics von Mojsvár, E. von.
- Crinoids. See Könen, A. von.
- Echinoidea. See Crema, C.
- Fauna, Central Asia. See Suess, E., &c.
- , Giudicaria (S. Tyrol). See Arthaber, G. von.
- , Kunagora, near Pregrada (Croatia). See Kramberger, G.
- of *Bellerophon*-limestone, Carnia (Venetia). See Tommasi, A.
- , Pietra Nera Point, Foggia (Apulia). See Di-Stefano, G.
- , Württemberg. See Engel, T.
- Fishes, Giffoni (Salerno). See Bassani, F.
- Gasteropoda, Hallstatt (Tyrol). See Koken, E.
- Ichthyosauri. See Dames, W.
- Lamellibranchiata, St. Cassian (Tyrol). See Bittner, A.
- (Lower) Fauna, Italian Alps. See Tommasi, A.
- Mollusca, Grigna Alps (Venetia). See Philippi, E.
- Oceans. See Suess, E.
- Reef-limestone, Alpine. See Arthaber, G. von.

- Triassic Reptile, Lombardy. *See* Boulenger, G. A.
 — Reptilia. *See* Cope, E. D.; *see* Seeley, H. G.
 — Rocks, Analyses of. *See* Dickson, E.; *see* Holland, P.
Trichopitys. *See* Renault, B.
 Tridymite. *See* Buttgenbach, H.
 —, Fisher Meteorite. *See* Winchell, N. H.
 Trient (Tyrol). *See* Vaček, M.
Trigonia. *See* Bittner, A.; *see* Bizet, P.
Trigonocarpus. *See* Renault, B.
Trigonodon Oweni. *See* Angelis d'Ossat, G. de.
 Trilobite Fauna. *See* Marr, J. E.
 —, Alemtejo (Portugal). *See* Delgado, J. F. N.
 —, Backstein-limestone. *See* Krause, G.
 —, British Palæozoic. *See* Hicks, H.
 Trilobites. *See* Beecher, C. E.; *see* Bergeron, J.; *see* Clarke, J. M.; *see* Crossfield, M. C., & E. G. Skeat; *see* Delgado, J. F. N.; *see* Kayser, E.; *see* Koken, E.; *see* Lake, P.; *see* Lindström, G.; *see* Marr, J. E.; *see* Matthew, G. F.; *see* Ehlert, D. P.; *see* Reed, F. R. C.; *see* Woodward, H.
 —, Bohemian Cambrian. *See* Pompeckj, J. F.
 —, Carboniferous. *See* Woodward, H.
 —, Central Australian. *See* Tate, R.
 —, Devonian. *See* Beyer, E.; *see* Kayser, E.; *see* Whidborne, G. F.
 —, — of Erbray (Loire-Inférieure). *See* Barrois, C.
 —, Keisley Limestone. *See* Reed, F. R. C.
 —, Little River Group. *See* Matthew, G. F.
 —, Limbs of. *See* Beecher, C. E.; *see* Lake, P.
 —, New South Wales. *See* Etheridge, R., Jun., & J. Mitchell.
 —, Ordovician. *See* Bergeron, J.; *see* Matthew, G. F.; *see* Ehlert, D. P.
 —, Rhenish Devonian. *See* Maurer, F.
 —, Silurian. *See* Lake, P.
 —, Supposed Discovery by Linnæus of Antennæ. *See* Beecher, C. E.
Trimerorhachis. *See* Cope, E. D.
 Trinidad (W.I.) Foraminifera. *See* Guppy, R. J. L.
 — Pitch. *See* Peckham, S. F., & L. A. Linton.
 — Pitch Lake. *See* Cronise, A.
Trinucleus. *See* Ehlert, D. P.
Trionyx. *See* Depéret, C.
 Triphyline. *See* Penfield, S. L., & J. H. Pratt.
 Tripoli. *See* Cowper, H. S.; *see* Fucina, A.
 —, Socorro Co. (New Mexico), so-called. *See* Herrick, C. L.
 —, United States. *See* Parker, E. W.
Tripterosperum. *See* Renault, B.
Triton. *See* Oppenheim, P.
Trochoceras. *See* Tate, R.
Trochotoma. *See* Huddleston, W. H.
Trochus. *See* Oppenheim, P.; *see* Steinmann, G., & c.; *see* Tiessen, E.
 Trondhjem (Norway), Landslip Region East of. *See* Helland, A.
 — (—), Protogine Granite. *See* Kjerulf, T.
Tropidoceras. *See* Levi, G.
Tropidocoryphe. *See* Beyer, E.
Tropidodiscus. *See* Whidborne, G. F.
Tropites. *See* Mojsisovics von Mojsvár, E. von.
Truncatulina. *See* Jones, T. R.
 Tubari Coal, Yezo (Japan). *See* Browne, F.
Tubularia. *See* Fuchs, T.
 Tufa, Zovencedo (Venetia), Glauconitic. *See* Oppenheim, P.
 Tufaceous Deposit, Blashenwell (Dorset). *See* Reid, C.
 Tuff, Wiesbaden Basin Calcareous. *See* Sandberger, F. von.
 Tuffoid Porphyry. *See* Mügge, O.
 Tuffs, Tephrite. *See* Graber, H. V.
 Tulare Valley (Cal.). *See* Ransome, F. L.
 Tulle (Corrèze). *See* Mouret, G.
 Tulle-Haut (Haute-Garonne). *See* Garriou, F.
 Tumut (N.S.W.) Chromite. *See* Carne, J. E.
 Tungsten. *See* Day, D. T.
 Tunis. *See* Peron, A.
 —, Liassic Domes of Zaghuan & Bou-Kournin. *See* Ficheur, E., & E. Hang.
 —, Phosphates. *See* Cayeux, L.
 —, Shotts. *See* Staudinger, P.
Turbinolideæ. *See* Koby, F.
Turbo. *See* Barrois, C.; *see* Steinmann, G., & c.; *see* Tiessen, E.; *see* Vinassa de Regny, P. E.
 Turf Moor, North Nerike (Sweden). *See* Sernander, R., & K. Kjellmark.
 —, Structure and Development of Stormur (Gestrikland, Sweden). *See* Helsing, G.
 Turgi (Aargau). *See* Preller, C. S. Du R.
 Turin Hills (Piedmont), Origin of. *See* Virgilio, F.
 — (—), Sands. *See* Colomba, L.
 Turkestan. *See* Suess, E., & c.
 —, Takla-Makan Desert. *See* Hedin, S.
 Turkey in Asia, Eastern. *See* Maunsell, F. R.
 Turnerite. *See* Lacroix, A.
 Turonian, Camps (Lot). *See* Toucas, A.
 Turquoise. *See* Bauer, M.; *see* Kunz, G. F.
 —, Persia. *See* Elias, —.
Turrilepas, Canadian Ordovician. *See* Woodward, H.

- Turrilites*. See Tiessen, E.
Turritella. See Oppenheim, P.; see Steinmann, G., &c.
 Tuscany (Italy). See Lotti, B.; see Sacco, F.; see Trabucco, G.
 — Earthquakes. See Giovannozzi, G., &c.
 — Eruptive Rocks. See Chelussi, I.
 —, &c., Igneous Rocks. See Franchi, S.
 Twinning, Copper-glance. See Laspeyres, H., & E. Kayser.
 Tyler's Hill (Bucks). See Salter, A. E.
Tylopoma. See Stefanescu, S.
 Typical Fossils, Cambrian-Cretaceous. See Koken, E.
 —, Secondary Rocks of Württemberg. See Engel, T.
Typotherium. See Ameghino, F.
 Tyrol (Austria). See Vaček, M.
 —, Drinking Water Supply at Innsbruck, &c. See Blaas, J.
 —, Eruptive Rocks of Predazzo. See Brögger, W. C.
 —, *Hippurites*-beds. See Douvillé, H.
 — (Northern). See Schlosser, M.
 —, Petrography. See Weinschenk, E.
 — (Southern), Copper & Lead Ores. See Rosiwal, A.
 —, Trias. See Arthaber, G. von; see Bittner, A.
 —, Triassic Corals. See Frech, F., & W. Volz.
 Tyrolian. See Mojsisovics von Mojsvár, E. von, &c.
- Ufa Gov. (E. Russia) Permian. See Netschaev, A.
 Uinta Basin (Utah) Mammals. See Osborn, H. F.
 — (—) Eocene Rodent. See Scott, W. B.
Uintacrinus. See Bather, F. A.
 Uliasser Islands (Moluccas). See Schroeder van der Kolk, J. L. C.
 Uloboridae. See Becker, L.
Ulrichia. See Jones, T. R., &c.; see Whidborne, G. F.
 Ulster Co. (N.Y.). See Darton, N. H.; see Nason, F. L.
 Ultramarine, Silver City (New Mexico). See Packard, R. L.
Umbriua Pecchiolii. See Angelis d'Ossat, G. de.
 Unadilla River (N.Y.) Devonian. See Prosser, C. S.
Uncia. See Cope, E. D.
 Underground Palaeozoic Rocks, Ware & Cheshunt (Herts). See Francis, J.
 — Rocks, South-Eastern England. See Whitaker, W.
 — Temperature. See Anon., 37; see Davison, C.; see Dunker, E.; see Everett, J. D.; see Jentzsch, A.
 — at Great Depths. See Agassiz, A.; see Brough, B. H.
- Underground Water. See Whitaker, W.
 — Watercourses. See Martel, E. A.
 — Waters. See Martel, E. A.
 —, Bosnia & Herzegovina. See Kraus, F.
 —, Circulation. See De Rance, C. E.
 —, Great Plains (U.S.A.). See Hay, R.
Undina. See Bassani, F.
 Ungulate Mammals. See Fairchild, H. Le R.
Unio, Pontian Deposit in South-Eastern France. See Kilian, W.
 —, Roumanian Tertiary. See Stefanescu, S.
 Unionidae, Bear River Beds. See White, C. A.
 United States Building Stones. See Bain, H. F.; see Day, W. C.
 — Coal. See Parker, E. W.
 —, Eocene Correlation. See Clark, W. B.
 — Geological Surveys. See Day, D. T., &c.; see Geinitz, H. B.; see Klittke, M.; see Powell, J. W.; see Walcott, C. D.; see Watts, W. W.
 — Hydrography. See Newell, F. H.
 — Iron Ores. See Birkinbine, J.
 — Mineral Resources. See Day, D. T.
 — Ores. See Day, D. T., &c.
 — Peat. See Shaler, N. S.
 — Petroleum. See Weeks, J. D.
 — Road-metal and Road-making. See Shaler, N. S.
 Upheaval, Norway. See Feilden, H. W.
 — of Land. See Southall, J. C.
 —. See Shore-lines.
 Upland (Sweden), *Ancylus*-clay. See Nathorst, A. G.
 Ural (Russia) Diamonds. See Bauer, M.
 —, Pyrophyllit. See Lewinson-Lessing, F.
Uralichas. See Ehlert, D. P.
 Urdos (Basses-Pyrénées). See Seunes, —.
 Urganian *Caprina*. See Pâquier, V.
 — Chamidae. See Pâquier, V.
 —, La Montagnette near Tarascon (Bouches-du-Rhône). See Torcapel, A.
 Urite. See Ramsay, W.
 Ursidae. See Grevé, C.
Ursus. See Winge, H.
 Ussuri Bay (Siberia). See Bittner, A.
 Utah Asphaltum. See Parker, E. W.
 — Building Stones. See Day, W. C.
 — Copper Ores. See Kirchhoff, C.
 —, Geological Surveys. See Klittke, M.
 —, Great Salt Lake. See Talmage, J. E.
 — Salt. See Parker, E. W.
 Utahite. See Kunz, G. F.

- Utica Formation *Turrilepas*, Canadian. See Woodward, H.
 — Terrane, Canada. See Ami, H. M.
Uvigerina. See Jones, T. R.
- Værdalen (Trondhjem), Landslip Region. See Helland, A.
Vaginulina. See Jones, T. R.
 Vajda-Hunyad (Hungary), Early Iron-works. See Téglás, G.
 Val d'Anniviers (Pennine Alps). See Bonney, T. G.
 Val di San Pietro, Carnic Alps. See Rosiwal, A.
 Val di Taro (Emilia) Mercury. See Stefani, C.
 Valais (Switzerland). See Lubbock, Sir J.
 — (—), South-western. See Graeff, F.
 Valangian. See Schardt, H., & E. Baumberger.
 Valbonnais (Isère). See Kerner, F. von.
 Valence (Drôme). See Depéret, C.; see Kilian, W.; see Sayn, G.
 Valencia (Spain), Prov. See Nicklès, R.
 Valenciennes Coalfield (Nord). See Chapuy, —.
Valenciennesia. See Stefanescu, S.
 Välimäki (Finland). See Blankett, H.
 Valley, Eastern Equatorial African Great Rift. See Gregory, J. W.
 Valleys, Origin of Wisconsin. See Van Hise, C. R.
 —, River-. See Dickinson, J.
 —, Swiss. See Lubbock, Sir J.
 —, Swiss Preglacial. See Preller, C. S. Du R.
 Valnontey Valley (Piedmont). See Chelussi, I.
 Valognes (Manche). See Bigot, A.
Valvata. See Hudleston, W. H.; see Stefanescu, S.
 Van Buren Co. (Iowa). See Gordon, C. H.
 Vancouver (B. C.) Cretaceous. See Whiteaves, J. F.
 — (—) Cretaceous Crustacea. See Woodward, H.
 Våra Lake (Gothland Prov.), Ancient Shore-lines near. See De Geer, G.
 Varaita Valley (Piedmont). See Stella, A.
 Vatican Marl Foraminifera (Rome). See Fornasini, C.
 Vehkajokis River (Finland) Delta. See Rosberg, J. E.
 Vein, Waterworn. See Holman, F. C.
 Veins. See Phillips, J. A., & H. Louis.
 —, Gold-quartz. See Maryanski, M.
 —, Metalliferous. See Carthaus, E.; see Martel, E. A.
Velates Schmiedeliana-beds, Venetian Alps. See Vinassa de Regny, P. E.
- Velburg (Bavaria) Caverns. See Schlosser, M.
 Vencimont (Namur). See Forir, H.
 Vendée (W. France). See Carez, L.
Veneriocardia. See Vinassa de Regny, P. E.
 Venetian Alps. See Futterer, K.; see Weinschenk, E.
 —, Tertiary Mollusca. See Vinassa de Regny, P. E.
 —, Trias. See Tommasi, A.
 — Basalts. See Artini, E.
 — Mineralogy. See Viccari, L.
 — Tertiary Mollusca. See Gregorio, Marquis A. de.
 Venezuela. See Anon., 41; see Sievers, V.
 Venterskroom (Transvaal) Goldfield. See Bunkell, H. B.
Venus. See Steinmann, G., &c.
 Vercors (Drôme) 'Scialets.' See Martel, E. A., & A. Delebecque.
 Veresviz (Hungary) Gold Deposits. See Szokol, P.
 Vermilion Range (Minn.), Western. See Smyth, H. L., & J. R. Finlay.
 Vermont Building Stones. See Day, W. C.
 —, Geological Surveys. See Klittke, M.
 Verneuil (Eure) Avre Aqueduct. See Ramond, G.
 Veronese Basalts. See Artini, E.
 Verrucano, Origin of the. See Milch, L.
Vertebraria. See Zeiller, R.
 Vertebrata, Port Kennedy Fissure (Pa.). See Cope, E. D.; see Heilprin, A.
 —. See Mammalia, &c.
 Vèsdre Valley (Liège) Devonian. See Forir, H.
 Vestaná, Christianstad (Sweden) Mangandalusite. See Weibull, M.
 Vesuvianite. See Bauer, M.; see Traube, H.; see Weibull, M.
 Vesuvius. See Friedländer, B.; see Johnston-Lavis, H. J.; see Matteucci, R. V.; see Schnee, J., & Von Stein-Nordheim.
 —, Eruptions of. See Sabatini, V.
 — (Campania) Forsterite. See Arzruni, A.
 Viatka Gov. (Russia). See Krotow, P.
Vicarya. See Martin, K.
 Victoria (Australia) Glaciation. See Officer, G., &c.
 — (—) Gold. See Babu, L.
 — (—) Older Tertiaries. See Pritchard, G. B.
 — (—) Tertiary Polyzoa. See MacGillivray, P. H.
 Victoria Land (Antarctic). See Borchgrevink, C. E.
 Vienna (Lower Austria). See Stur, D.
 — (—) Flysch near. See Fuchs, T.
 — (—), Flysch Fossil Wood Structure. See Krasser, F.

- Vienna Forest (Lower Austria). *See* Paul, C. M.
- Tertiaries. *See* Glangeaud, P.
- Vigan, Le (Gard). *See* Torcapel, A.
- Vigne River (Eure). *See* Ramond, G.
- Vignoni (Siena) Hot Springs. *See* Lotti, B.
- Villa Beltran (Argentina). *See* Hauthal, R.
- Villefranche (Rhône). *See* Depéret, C.
- (Haute-Garonne) Quaternary Gastropoda. *See* Fagot, P.
- Villefranche-sur-Saône (Rhône) Quaternary Remains. *See* Mortillet, G. de.
- Virginia Building Stones. *See* Day, W. C.
- Chrome. *See* Glenn, W.
- Coal. *See* Parker, E. W.
- , Geological Surveys. *See* Klittke, M.
- Gold. *See* Nitze, H. B. C., & H. A. J. Wilkens.
- Iron Ores. *See* Birkinbine, J.
- Natural Gas. *See* Weeks, J. D.
- Salt. *See* Parker, E. W.
- Virgulian Echinoderms. *See* Loriol, P. de.
- Visan (Vaucluse). *See* Depéret, C.
- Visé (Liège), *Syringopora* in Upper Carboniferous Limestone. *See* Destinez, P.
- Viterbo (Prov. Rome). *See* Meli, R.; *see* Washington, H. S.
- (—), 'Monte delle Croci' Peridotite. *See* Fantappiè, L.
- Vittsjö (Gothland). *See* Blomberg, A.
- Viverridæ. *See* Grévy, C.
- Vivianite. *See* Bemmelen, J. M. van.
- Vivipara. *See* Stefanescu, S.
- Viviparidæ, Bear River Beds. *See* White, C. A.
- Vizille (Isère). *See* Kilian, W.; *see* Lory, P.
- Vladimir (Russia). *See* Sibirzev, N.
- Volcanic Action in Iceland, Scotland, &c. *See* Geikie, Sir A.
- Activity of Sunday Island in 1814. *See* Smith, S. P.
- Ash, North Shore of Lake Superior. *See* Winchell, N. H., & U. S. Grant.
- Bomb in Nassau Schalstein. *See* Kayser, E.
- Dust and Pumice in Marine Deposits. *See* Shaler, N. S.
- Eruptions, Batavia. *See* Wichmann, A.
- Island Ôshima (Vries Island, Japan). *See* Yamasaki, N.
- , Niuafoû (South Pacific). *See* Somerville, B. T.
- Islands. *See* Purey-Cust, H. E.
- Phenomena. *See* Lobley, J. L.
- , Japan. *See* Milne, J.
- Rock, Ailsa Crag (Firth of Clyde). *See* Wallis, H. M.
- , Monte Adamello (Lombardy). *See* Riva, C.
- Rocks. *See* Igneous Rocks; *see* Judd, J. W.; *see* Rosenbusch, H.
- Volcanic Rocks, Algeria. *See* Gentil, L.
- , Canada. *See* Matthew, W. D.
- , Caucasian. *See* Dingelstedt, V.
- , Columbretes Isles (Eastern Spain). *See* Becke, F.
- , Cripple Creek (Col.). *See* Cross, W., & R. A. F. Penrose, Jun.
- , Ecuador. *See* Reiss, W., &c.
- , France. *See* Michel-Lévy, A.
- , Isle of Man. *See* Dickson, E., &c.
- , Italian. *See* Washington, H. S.
- , Lipari Islands. *See* Bäckström, H.
- , Michigan District (Mich.). *See* Clements, J. H.
- , Moluccas. *See* Schroeder van der Kolk, J. L. C.
- , North Haven (Maine) Spherulitic. *See* Bayley, W. S.
- , Sardinia. *See* Bertolio, S.
- , South Mountain (Pa.). *See* Bascom, Florence.
- , Viterbo (Prov. Rome). *See* Meli, R.
- Sand & Ash, Isle of S. Antão (Cape Verde). *See* Melikov, P.
- Submarine Phenomena, Talcahuano Bay (Chili). *See* Cienfuegos, —.
- Tertiary Neck, Co. Galway. *See* Sollas, J. W.
- Tuff, Ségalas (Ariège). *See* Lacroix, A.
- Zone, Ruapehu (N.Z.). *See* Hill, H.
- Volcano, Ben Ganah (Algeria), Ancient. *See* Gentil, L.
- Volcanoes. *See* Gilbert, G. K.
- and the Weather. *See* Bergeat, A.
- , Antarctic. *See* David, T. W. E., &c.
- , Central American Mud. *See* Sapper, C.
- , Central Italy. *See* Sabatini, V.
- , Hawaiian & Italian. *See* Friedländer, B.
- , Japanese. *See* Weston, W.
- , Mexican. *See* Howarth, O. H.
- , Rotuma (Pacific Ocean), Extinct. *See* Allen, W.
- , S. American. *See* Lista, R.
- , West Javan. *See* Fennema, R.; *see* Kock, H. de.
- Voluta*. *See* Oppenheim, P.; *see* Vinassa de Regny, P. E.
- Vosges. *See* Carez, L.; *see* Vélain, C.
- Vosgian, Apennine. *See* Sacco, F.
- Vries Island (Japan). *See* Yamasaki, N.
- Vulcanology. *See* Earthquakes, &c.
- Vulturino, Monte (Basilicata). *See* Lorenzo, G. de.
- Waasenaar (Holland). *See* Schroeder van der Kolk, J. L. C.
- Wadowice (Galicia) Flysch Foraminifera. *See* Grzybowski, J.

- Waegri Valley (Schwytz). *See* Preller, C. S. Du R.
- Walchia. *See* Renault, B.
- Walen Lake (Switzerland). *See* Preller, C. S. Du R.
- Wales, Coast-changes. *See* De Rance, C. E.; *see* Whitaker, W.
- , Erratic Blocks. *See* Kendall, P. F.
- , Glacial Geology of North. *See* Kendall, P. F., & J. Lomas.
- (Mid-) Coast Drift. *See* Reade, T. M.
- , Mines. *See* Atkinson, J. B., &c.; *see* Foster, C. Le N.
- , Mining Industry. *See* Foster, C. Le N.
- (North). *See* Geikie, Sir A., &c.
- (—), Coast Geology. *See* De Rance, C. E.
- (South) Hæmatite. *See* Howard, F. T.
- (—) Pre-Cambrian & Cambrian. *See* Hicks, H.
- Wardite. *See* Davison, J. M.; *see* Gaubert, P.
- Ware (Herts), Palæozoic Rocks under. *See* Francis, J.
- Warminster (Wilts) Greensand. *See* Jukes-Browne, A. J.
- Warrumbungle Mts. (N.S.W.). *See* David, T. W. E.
- Warwickshire Borings. *See* Andrews, W.
- Coalfield. *See* Anon., 39; *see* De Rance, C. E.; *see* Gill, W.
- Permian. *See* Brodie, P. B.
- Upper Keuper Sandstones. *See* Brodie, P. B.
- Waschberg (Lower Austria) Erratic Rocks. *See* König, A.
- Washington Building Stones. *See* Day, W. C.
- Coal. *See* Parker, E. W.
- , Geological Surveys. *See* Klittke, M.
- Water Supply. *See* Newell, F. H.
- Water. *See* Artesian Water.
- absorbent Power of Rocks. *See* Crema, C.
- , Action on Quartz. *See* Spezia, G.
- , Borings for, in Granite &c. *See* Nordenskjöld, A. E.
- Channels, Bosnia & Herzegovina. *See* Kraus, F.
- Course in Boulder Clay, Ancient. *See* Hill, E.
- , Dissolved Matter in River-. *See* Dickson, E.
- , Gold & Silver in Sea-. *See* Liveridge, A.
- , Hungarian. *See* Kalecsinszky, A. von.
- , Hungarian Mineral. *See* Ilosvay, L. von.; *see* Traxler, L.
- in Earth's Crust. *See* Greenlee, W. B.
- Water, Knaresborough Dropping-Well (Yorks). *See* Burrell, B. A.
- , Mineral (Haute-Garonne). *See* Garrigou, F.
- , Monte Amiata (Tuscany). *See* Sestini, F.
- , Monte Rosa (Pennine Alps). *See* Giacosa, P.
- , N.S.W. Artesian. *See* Boulton, J. W.
- , North Africa. *See* Carton, —.
- , Submarine Leakage of Artesian. *See* Jack, R. L.
- Supply. *See* Artesian Wells; *see* Hydrology; *see* Wells.
- , Alpine Towns. *See* Blaas, J.
- , Belgium. *See* Verstraeten, T.
- , Great Plains (U.S.A.). *See* Hay, R.
- , Hoyoux Valley (Belgium). *See* Van den Broeck, E.
- , Iserlohn (Westphalia). *See* Stockfleth, —.
- , Kenilworth (Warwick). *See* Andrews, W.
- , London. *See* Frankland, E.
- , Paris. *See* Ramond, G.
- , Pisa (Tuscany). *See* Gasperini, G.
- , Public Lands (U.S.A.). *See* Newell, F. H.
- , Santiago (Chili). *See* Lemétayer, P.
- , South Atlantic Piedmont Plateau. *See* Holmes, J. A.
- , Southampton. *See* Matthews, W.
- , United States. *See* Newell, F. H.
- , Underground. *See* Keilhack, K.; *see* Martel, E. A., & A. Delebecque; *see* Whitaker, W.
- , Circulation. *See* De Rance, C. E.
- , Wiesbaden (Nassau) Thermal. *See* Fresenius, R.
- Waterloo Quartzite Area (Wis.), Boulder Trains from. *See* Buell, I. M.
- Waters, Baden Mineral. *See* Preller, C. S. Du R.
- , Belgian. *See* Dewalque, G.
- , Canadian Mineral. *See* Hoffmann, G. C.
- , Gleichenberg (Styria), Mineral. *See* Clar, K.
- , Hérault Mineral. *See* Rouville, P. G. de.
- , Kansas. *See* Bailey, E. H. S., &c.; *see* Case, E. C.; *see* Murphy, E. C.
- , Pyrenees Mineral. *See* Trutat, E.
- , U.S.A. Mineral. *See* Peale, A. C.
- Waterworn Gold Quartz Vein (Cal.). *See* Holman, F. C.
- Wattle Flat (N.S.W.). *See* Card, G. W.
- Waves, Earthquake. *See* Cornish, V.

- Waziristan (Afghanistan). *See* Hayden, H. H.
- Wealden, Age of. *See* Marsh, O. C.
- Beds, Classification of. *See* Pavlov, A. P.
- Fishes. *See* Woodward, A. S.
- Formation, Age of. *See* Marsh, O. C.
- Plants. *See* Seward, A. C.
- Weasisi, Tanna (New Hebrides), Earthquakes. *See* Hogben, G.
- Weathering, Limestone. *See* Bourgeat, —.
- of Rocks. *See* Merrill, G. P.
- —. *See* Denudation.
- —, Central Asia. *See* Obrutschev, V.
- Weimar (Saxe-Weimar) Diluvial Human tooth. *See* Nehring, A.
- (—) Pleistocene Mollusca. *See* Weiss, A.
- Weissenfels (Merseburg) Brown Coal near. *See* Fiebelkorn, —.
- Well Water, Santiago (Chili). *See* Lemétayer, P.
- Wells, Limestone. *See* François, C.
- , Natural. *See* Martel, E. A., & A. Delebecque.
- , United States. *See* Newell, F. H.
- Wenlock Beds, Conway (Caernarvon). *See* Elles, G. L., & E. M. R. Wood.
- 'Werfen' Deposits, Dalmatian. *See* Bukowski, G. von.
- Wéris Conglomerate (Luxemburg). *See* Dewalque, G.
- Wernerite. *See* Salomon, G.
- West Indies, Microzoa. *See* Guppy, R. J. L.
- West Virginia, Geological Surveys. *See* Klittke, M.
- Western Australia. *See* Brooke, J. P.; *see* James, B. S.; *see* Woodward, H. P.
- —, Cairns Range Silurian Fauna. *See* Jack, R. L.
- —, Coolgardie Goldfields. *See* Watkins, A. O.
- —, Gold. *See* Zerener, M. B.
- —, Goldfields. *See* Schmeisser, C.
- —, Jurassic Cephalopoda. *See* Crick, G. C.
- —, Older Tertiaries. *See* Pritchard, G. B.
- Westernorrlund (Sweden). *See* Grevilius, A. Y.
- Westland (N.Z.). *See* Gordon, H. A., &c.
- Westmoreland Lakes. *See* Marr, J. E.
- Slates. *See* Thomas, J. J.
- Westphalian Carboniferous Wood Structure, &c. *See* Felix, J.
- Coalfield, Rhenish. *See* Schulz-Briesen, M.
- Crinoids. *See* Bather, F. A.
- Quartz-porphry. *See* Mügge, O.
- Wetzlar (Rhenish Prussia) Devonian Fauna. *See* Beyer, E.; *see* Holzapfel, E. I.
- Wewa Slate, Michigan. *See* Van Hise, C. R., &c.
- Weymouth (Dorset). *See* Reid, C., & A. Strahan.
- Whale, Pleistocene, of Montreal (Canada). *See* Dawson, Sir J. W.
- Whetstones, Indiana. *See* Kindle, E.
- , United States. *See* Parker, E. W.
- —. *See* Sandstones.
- Whitby (Yorks), Embryos of *Plesiosaurus*. *See* Seeley, H. G.
- White, Gilbert. *See* Martin, E. A.
- White River Beds (Dakota) Miocene Perissodactyls. *See* Osborn, H. F., & J. L. Wortman.
- — Horses. *See* Farr, M. S.
- Whitehaven Sandstone Series. *See* Holmes, T. V.; *see* Kendall, J. D.
- Whitmore (Staff.) *See* Anon., 24.
- Wicklow (Co.) Gold Nuggets. *See* Ball, V.
- 'Wienerwald' (Lower Austria). *See* Paul, C. M.
- Wiesbaden (Nassau) Thermal Springs. *See* Fresenius, R.
- Basin (Nassau) Calcareous Tuff. *See* Sandberger, F. von.
- Wight (Isle of) Post-Pliocene Submergence. *See* Hull, E.
- Wigstadt (Silesia). *See* Tietze, E.
- Willemite. *See* Ingalls, W. R.; *see* Traube, H.
- Willoughby (Northants). *See* Woodward, H. B.
- Winchester (Hants). *See* Matthews, W.
- Wind Erosion. *See* Floyer, E.
- —, Central Asia. *See* Obrutschev, W.
- Wind Gap, Blue Mountains (Pa.). *See* Wright, F. B.
- Wind-worn Stones. *See* Verworn, M.
- Wing of *Archæopteryx*. *See* Pycraft, W. P.
- Wirral (Cheshire) Coast Erosion. *See* Morton, G. H.
- (—) Submerged Forests. *See* Forbes, H. O.
- Wirtatobel (Vorarlberg) Tertiary Coal. *See* Gümbel, W. von.
- Wisconsin Boulder Trains. *See* Buell, J. M.
- Building Stones. *See* Day, W. C.
- Dells. *See* Van Hise, C. R.
- Diamonds. *See* Hobbs, W. H.
- , Geological Surveys. *See* Klittke, M.
- Iron Ores. *See* Birkinbine, J.
- Withamite. *See* Currie, J., Jun.
- Witpoortje Farm (Transvaal), Extension of Main Reef west of. *See* Draper, D.; *see* Frames, M. E.; *see* Kuntz, J.; *see* Rait, H. T.; *see* Sawyer, A. R.; *see* Tottenham, R. G. S.; *see* White, T. F.

- Witwatersrand (Transvaal). *See* Bunkell, H. B.; *see* Cumenge, E.; *see* Czynskowski, S.; *see* Draper, D.; *see* Exton, H.; *see* Frames, M. E.; *see* Hatch, F. H.; *see* Kuntz, J.; *see* Launay, L. de; *see* Lobley, J. L.; *see* Moore, C. W.; *see* Phillips, J. A., & H. Louis; *see* Rait, H. T.; *see* Sawyer, A. R.; *see* Tottenham, R. G. S.; *see* White, T. F. *See* Gold.
- Wolframite. *See* Artini, E.
- Wollastonite. *See* Heberdey, P.
- Wood, Fossil. *See* Felix, J.
- Structure, Carboniferous. *See* Felix, J.
- , Vienna Flysch Fossil. *See* Krasser, F.
- Woodford Halse (Northants). *See* Woodward, H. B.
- Woods, Fossil. *See* Felix, J.
- Worthenia. *See* Philippi, E.
- Wrekin (Salop). *See* Dwerryhouse, A. R.
- Wulfenite. *See* Traube, H.
- Württemberg. *See* Engel, T.
- Wyandotte Cave (Ind.). *See* Mercer, H. C.; *see* Owen, L. A.
- Wyoming, Bear River Formation. *See* White, C. A.
- Building Stones. *See* Day, W. C.
- Coal. *See* Parker, E. W.
- , Geological Surveys. *See* Klittke, M.
- Igneous Rocks. *See* Iddings, J. P.; *see* Russell, I. C.
- Petroleum. *See* Weeks, J. D.
- Water Supply. *See* Newell, F. H.
- Wyre Forest Coalfield (Salop). *See* Cantrill, T. C.; *see* Clarke, W. J.
- Xenotine. *See* Hovey, E. O.
- Xotodontidae. *See* Mercerat, A.
- Yangi-Hissar or Bogdanowitsch (Central Asia). *See* Suess, E., &c.
- Yardley Fault, Bucks Co. (Pa.). *See* Lyman, B. S.
- Yarricoya (Jauja, Peru) Minerals. *See* Latrille, F.
- Yelabuga (Viatica). *See* Krotow, P.
- Yellowstone National Park (U.S.A.) Fossil Wood. *See* Felix, J.
- (—), Geological Surveys. *See* Klittke, M.
- (—), Igneous Rocks. *See* Hague, A.; *see* Iddings, J. P.
- (—), Tertiary Plants. *See* Knowlton, F. H.
- Yezo Coal (Japan). *See* Brown, F.
- Yoldia-marl Fauna. *See* Berg hell, H.; *see* Munthe, H.
- 'Yoldia-sea,' S. Finland, &c. *See* Berg hell, H.; *see* Frosterus, B.; *see* Hackman, V.; *see* Ramsay, W.; *see* Sederholm, J. J.
- Yoredale Series Rocks & Fossils, Marsden & Saddleworth Valleys (Yorks). *See* Holroyd, W. F., & J. Barnes.
- York, Glacial Phenomena near. *See* Fox-Strangways, C.
- Yorkshire Aerolite. *See* Brierley, H.
- Boulder Committee. *See* Tate, T.
- Carboniferous Plants. *See* Kidston, R.
- Coalfield. *See* Durnford, H. St. J.; *see* Gresley, W. S.; *see* Hull, E.
- Glaciation. *See* Harrison, W. J.
- Gypsey-springs. *See* Duns, —.
- , Speeton Series of. *See* Lamplugh, G. W.
- (West). *See* Grensted, F. F.
- Yucatán (Central America). *See* Howe, J. L.; *see* Howe, J. L., & H. D. Campbell.
- Hill Caves. *See* Kraus, F.
- Peninsula. *See* Sapper, C.
- Zaghouan (Tunis) Lias. *See* Ficheur, E., & E. Hang.
- Zagrabica. *See* Stefanescu, S.
- Zamia. *See* Seward, A. C.
- Zante (Ionian Isles) Pitch Eruption. *See* Mitzopolus, K.
- (—) Earthquakes. *See* Rudolph, E.
- Zaphrentis. *See* Barrois, C.
- Zeacrinus. *See* Miller, S. A., &c.
- 'Zechstein,' Kaiseroda (Meiningen). *See* Frantzen, W.
- Zeitz (Merseburg), Brown Coal near. *See* Fiebelkorn, —.
- Zellerfeld (Harz). *See* Beushausen, L.
- Zeolites. *See* Clarke, F. W.; *see* Friedel, G.
- , Formation of. *See* Lacroix, A.
- , Harz (Germany). *See* Lüdecke, O.
- Zermatt (Valais). *See* Schmidt, C.
- Ziller Valley (Tyrol). *See* Weinschenk, E.
- (—), Earth Movements. *See* Blaas, J.
- Zinc. *See* Anon., 13; *see* Gentil, L.
- Blende. *See* Laspeyres, H., & E. Kayser.
- , Georgia & North Carolina. *See* Blake, W. P.
- , Harz (Germany). *See* Lüdecke, O.
- , Nasafjäll (Norrbotten Län). *See* Svenonius, F.
- Ore, Baden (Germany). *See* Buchrucker, L.
- , Iserlohn (Westphalia). *See* Hoffmann, L.
- Ores, Nomenclature of. *See* Ingalls, W. R.
- , United States. *See* Kirchhoff, C.
- , Upper Silesian. *See* Höfer, H.
- Zinciferous Galena. *See* Liversidge, A.
- Ziphiinæ. *See* Capellini, G.
- Zircon. *See* Bauer, M.; *see* Traube, H.
- Zoantharia, Upper Silurian. *See* Wentzel, J.

- Zoisite. *See* Weinschenk, E.
 Zones, Carboniferous Life-. *See* Marr, J. E.
 —, Palæontological. *See* Marr, J. E.
Zosterites. *See* Etingshausen, C. Freih. von.
 Zovencedo (Venetia), Glauconitic Tuff. *See* Vinassa de Regny, P. E.
 — (—), Eocene Fauna. *See* Vinassa de Regny, P. E.
 — (—), Tertiary. *See* Oppenheim, P.
 Zug Lake (Switzerland). *See* Preller, C. S. Du R.
- Zululand (S. Africa) Mining Industry. *See* Garrard, J. J.
Zurcheria. *See* Brasil, L.
 Zürich (Switzerland). *See* Lubbock, Sir J.
 — (—), Changes of Earth's Surface during 100 years. *See* Brückner, E.
 — —, Highland & Lake. *See* Boss-hard, A.; *see* Preller, C. S. Du R.
 Zwickau (Saxony) Coalfield. *See* Baudisch, H.; *see* Treptow, J.
Zygopteris. *See* Renault, B.



GEOLOGICAL LITE

ADDED TO THE

GEOLOGICAL SOCIETY'S LIBR

DURING THE

Year ended December 31st, 1897.



GEOLOGICAL SOCIETY,
BURLINGTON HOUSE,
LONDON.

1898.

Price 2s.



GEOLOGICAL LITERATURE

ADDED TO THE

GEOLOGICAL SOCIETY'S LIBRARY

DURING THE

Year ended December 31st, 1897.

COMPILED BY

THE ASSISTANT-LIBRARIAN

[Compilation closed Dec. 18th, 1897]

AND EDITED BY

THE ASSISTANT-SECRETARY.



GEOLOGICAL SOCIETY,

BURLINGTON HOUSE,

LONDON.

1898.

GEOLOGICAL LITERATURE

ADDED TO THE SOCIETY'S LIBRARY DURING THE
YEAR ENDED DECEMBER 1897.

* indicates that the work has been purchased by the Society.

All the other works in the list have either been presented to the Society by the Authors, Editors, or Publishers; or have been obtained in exchange for the Society's publications.

(A.C.=Author's copy.)

-
- **Abh. geol. Karte Elsass-Lothringen.* Abhandlungen zur geologischen Specialkarte von Elsass-Lothringen. Strasburg.
- Abh. hessisch. geol. Landesanst.* Abhandlungen der grossherzoglich hessischen geologischen Landesanstalt. Darmstadt.
- **Abh. k. Gesellsch. Wissensch. Göttingen.* Abhandlungen der königlichen Gesellschaft der Wissenschaften zu Göttingen. Göttingen. (Berlin.)
- Abh. k. Leopold.-Carol. deutsch. Akad. Naturf.* Abhandlungen [Nova Acta] der kaiserlichen Leopoldinisch-Carolinischen deutschen Akademie der Naturforscher. Halle.
- **Abh. k.-preuss. geol. Landesanst.* Abhandlungen der königlich-preussischen geologischen Landesanstalt. Berlin.
- **Abh. schw. paläont. Gesellsch.* See *Mém. Soc. paléont. suisse.*
- Abh. senckenb. naturf. Gesellsch.* Abhandlungen herausgegeben von der senckenbergischen naturforschenden Gesellschaft. Frankfurt-am-Main.
- Acta Imp. Univ. Dorpat.* Acta et Commentationes Imp. Universitatis Jurievensis (olim Dorpatensis). Dorpat.
- Actes Soc. sci. Chili.* Actes de la Société scientifique du Chili. Santiago.
- **Am. Geol.* American Geologist. Minneapolis.
- Am. Journ. Sci.* American Journal of Science. New Haven (Conn.).
- Am. Nat.* American Naturalist. Philadelphia.
- Analyst.* Analyst (Society of Public Analysts). London.
- An. Mus. La Plata.* Anales del Museo de La Plata. La Plata.
- An. Mus. Nac. Buenos Aires.* Anales del Museo Nacional de Buenos Aires. Buenos Aires.
- An. Soc. cient. Argent.* Anales de la Sociedad científica Argentina. Buenos Aires.
- Ann. agron., Paris.* Annales agronomiques (Ministère de l'Agriculture et du Commerce). Paris.
- Ann. Bot.* Annals of Botany. Oxford.
- **Ann. Club alpin français.* Annuaire du Club alpin français. Paris.
- Ann. géol. min. Russie.* Annuaire géologique et minéralogique de la Russie. Warsaw.
- Ann. géol. Penins. balk. Belgrade.* Annales géologiques de la Péninsule balkanique. (L'Institut géologique; Velika Skola.) Belgrade.
- Ann. géol. univ.* Annuaire géologique universel. Paris.
- Ann. Inst. nat. agron. Paris.* Annales de l'Institut national agronomique. Paris.
- Ann. k.-k. naturhist. Hofmus. Wien.* Annalen des k.-k. naturhistorischen Hofmuseums. Vienna.
- **Ann. Mag. Nat. Hist.* Annals and Magazine of Natural History. London.
- Ann. Mines, Belg.* Annales des Mines de Belgique. Brussels.
- Ann. Mines, Paris.* Annales des Mines. Paris.
- Ann. N.Y. Acad. Sci.* Annals of the New York Academy of Sciences. New York.

- Ann. R. Scuola Appl. Ing. Roma.* Annuario della Reale Scuola d'Applicazione per gli Ingegneri di Roma. Rome.
- Ann. Rep. Am. Mus. Nat. Hist. N.Y.* Annual Report of the American Museum of Natural History. New York.
- Ann. Rep. Chicago Acad. Sci.* Annual Report of the Chicago Academy of Sciences. Chicago.
- **Ann. Rep. Dep. Geol. &c. Indiana.* Annual Report of the Department of Geology and Natural Resources of Indiana. Indianapolis.
- Ann. Rep. Dep. Mines, N.S.W.* Annual Report of the Department of Mines and Agriculture, New South Wales. Sydney.
- Ann. Rep. Field Columb. Mus.* Annual Report of the Field Columbian Museum. Chicago (Ill.).
- Ann. Rep. Geol. Comm. Cape Colony.* Annual Report of the Geological Commission, Department of Agriculture. Cape Town.
- Ann. Rep. Geol. Surv. Canada.* Annual Report of the Geological Survey of Canada. Ottawa.
- Ann. Rep. Geol. Surv. N.Y.* Annual Report of the State Geologist. Albany (N.Y.).
- Ann. Rep. Iowa Geol. Surv.* Annual Report of the Iowa Geological Survey. Des Moines (Iowa).
- Ann. Rep. Leeds Phil. & Lit. Soc.* Annual Report of the Leeds Philosophical and Literary Society. Leeds.
- Ann. Rep. Mus. Comp. Zool.* Annual Report of the Curator of the Museum of Comparative Zoology at Harvard College. Cambridge (Mass.).
- Ann. Rep. N.Y. State Mus.* Annual Report of the New York State Museum. Albany (N.Y.).
- Ann. Rep. Smiths. Inst. Rep. U.S. Nat. Mus.* Annual Report of the Board of Regents of the Smithsonian Institution. Report of the U.S. National Museum. Washington (D.C.).
- Ann. Rep. U.S. Geol. Surv.* Annual Report of the United States Geological Survey. Washington.
- Ann. Rep. Wellington Coll. Nat. Sci. Soc.* Annual Report of the Wellington College Natural Science Society. Wellington College.
- Ann. Rep. Yorks. Phil. Soc.* Annual Report of the Yorkshire Philosophical Society. York.
- **Ann. Sci. nat. (Zool. & Palé.).* Annales des Sciences naturelles. Zoologie et Paléontologie. Paris.
- Ann. Soc. géol. Belg. Liège.* Annales de la Société géologique de Belgique. Liège.
- Ann. Soc. géol. Nord.* Annales de la Société géologique du Nord. Lille.
- **Arch. f. Anthr. & Geol. Schleswig-Holsteins.* Archiv für Anthropologie und Geologie Schleswig-Holsteins und der benachbarten Gebiete. Kiel.
- Arch. Mus. Nac. Rio de Janeiro.* Archivos do Museu Nacional do Rio de Janeiro. Rio de Janeiro.
- Arch. Naturk. Liv-, Ehst- & Kurlands.* Archiv für die Naturkunde Liv-, Ehst- und Kurlands. (Naturforscher-Gesellschaft bei der Universität Jurjew.) Dorpat.
- Arch. néerland. Sci.* Archives des Sciences exactes et naturelles, publiées par la Société hollandaise des Sciences à Harlem. Harlem.
- Arch. Sci. phys. et nat. Genève.* Archives des Sciences physiques et naturelles. Geneva.
- Atti R. Acc. Lincei, Rendic.* Atti della Reale Accademia dei Lincei, Rendiconti. Rome.
- Atti R. Acc. Sci. Padova.* Atti e Memorie della Reale Accademia di Scienze, Lettere ed Arti in Padova. Padua.
- Atti R. Acc. Sci. Torino.* Atti della Reale Accademia delle Scienze di Torino. Turin.
- Atti R. Ist. Veneto.* Atti del Istituto Veneto di Scienze, Lettere ed Arti. Venice.
- Atti Soc. tosc. Sci. nat.* Atti della Società toscana di Scienze naturali. Pisa.
- Beitr. geol. Karte Schweiz.* Beiträge zur geologischen Karte der Schweiz. Bern.
- **Beitr. Geophys. Stuttgart.* Beiträge zur Geophysik. Stuttgart.
- Ber. oberhess. Gesellsch. Nat.-Heilk.* Bericht der oberhessischen Gesellschaft für Natur- u. Heilkunde. Giessen.
- Ber. senckenb. naturf. Gesellsch.* Bericht der senckenbergischen naturforschenden Gesellschaft. Frankfurt-am-Main.
- Berg-hütt. Jahrb. Wien.* Berg- und hüttenmännisches Jahrbuch der k.-k. Bergakademien zu Leoben und Příbram und der königlich ungarischen Bergakademie zu Schemnitz. Vienna.

- **Berg-hütt. Zeitung, Leipzig.* Berg- und hüttenmännische Zeitung. Leipzig.
- Bergens Mus. Aarb.* Bergens Museums Aarbog. Bergen.
- Bihang k. svenska Vet.-Akad. Handl.* Bihang till kongliga svenska Vetenskaps-Akademiens Handlingar. Stockholm.
- Bol. Acad. Nac. Cordoba.* Boletín de la Academia Nacional de Ciencias en Cordoba. Buenos Aires.
- Bol. Com. Mapa geol. España.* Boletín de la Comisión del Mapa geológico de España. Madrid.
- Bol. Inst. geogr. Argent.* Boletín del Instituto geográfico Argentino. Buenos Aires.
- Bol. Inst. geol. México.* Boletín del Instituto geológico de México. Mexico.
- Bol. Soc. Geogr. Lisbõa.* Boletín da Sociedade de Geographia de Lisbõa. Lisbon.
- Bol. Soc. Nac. Minería, Santiago.* Boletín de la Sociedad nacional de Minería. Santiago de Chile.
- Boll. R. Com. geol. Ital.* Bollettino del Reale Comitato geologico d'Italia. Rome.
- Boll. Soc. geol. ital.* Bollettino della Società geologica italiana. Rome.
- Bull. Acad. Imp. Sci. St.-Petersb.* Bulletin de l'Académie Impériale des Sciences. St. Petersburg.
- Bull. Acad. Roy. Belg.* Bulletins de l'Académie Royale des Science, des Lettres et des Beaux-Arts de Belgique. Brussels.
- Bull. Am. Mus. Nat. Hist., N.Y.* Bulletin of the American Museum of Natural History. New York.
- Bull. Cal. State Mining Bur.* Bulletin of the California State Mining Bureau. San Francisco.
- Bull. Chicago Acad. Sci.* Bulletin of the Chicago Academy of Sciences. Chicago.
- Bull. Com. géol. Russie.* Bulletins du Comité géologique. St. Petersburg.
- Bull. Geol. Inst. Univ. Upsala.* Bulletin of the Geological Institution of the University of Upsala. Upsala.
- Bull. Geol. Soc. Am.* Bulletin of the Geological Society of America. Rochester (N.Y.).
- Bull. Geol. Surv. Queensl.* Bulletin of the Geological Survey of Queensland. (Department of Mines.) Brisbane.
- Bull. Geol. Univ. Cal.* Bulletin of the Department of Geology, University of California. Berkeley (Cal.).
- Bull. Ill. State Mus. Nat. Hist.* Bulletin of the Illinois State Museum of Natural History. Springfield (Ill.).
- Bull. Intern. Acad. Sci. Cracovie.* Bulletin International de l'Académie des Sciences. Cracow.
- Bull. Mus. Comp. Zool.* Bulletin of the Museum of Comparative Zoology at Harvard College. Cambridge (Mass.).
- Bull. Mus. Hist. nat. Paris.* Bulletin du Muséum d'Histoire naturelle. Paris.
- Bull. Nat. Hist. Soc. New Brunswick.* Bulletin of the Natural History Society of New Brunswick. St. John (N.B.).
- Bull. Phil. Soc. Washington.* Bulletin of the Philosophical Society of Washington. Washington (D.C.).
- Bull. séismol. Observ. Nat. Athènes.* Bulletin mensuel séismologique. Observatoire National d'Athènes. Athens.
- Bull. Serv. Carte géol. France.* Bulletin des Services de la Carte géologique de la France et des Topographies souterraines. Paris.
- Bull. Soc. belge Géol. Brux.* Bulletin de la Société belge de Géologie, de Paléontologie et d'Hydrologie. Brussels.
- Bull. Soc. franç. Min.* Bulletin de la Société française de Minéralogie. Paris.
- Bull. Soc. géol. France.* Bulletin de la Société géologique de France. Paris.
- Bull. Soc. Géogr. Havre.* Bulletin de la Société de Géographie commerciale. Havre.
- Bull. Soc. géol. Norm.* Bulletin de la Société géologique de Normandie. Havre.
- Bull. Soc. Hist. nat. Autun.* Bulletin de la Société d'Histoire naturelle d'Autun. Autun.
- Bull. Soc. Imp. Nat. Moscou.* Bulletin de la Société Impériale des Naturalistes de Moscou. Moscow.
- Bull. Soc. Linn. Norm.* Bulletin de la Société Linnéenne de Normandie. Caen.
- Bull. Soc. ural. Sci. nat.* Bulletin de la Société ouralienne d'Amateurs des Sciences naturelles. Ekaterinburg.
- Bull. Soc. Sci. Draguignan.* Bulletin de la Société d'Études scientifiques et archéologiques de la Ville de Draguignan. Draguignan (Var).
- Bull. Soc. vaud. Sci. nat.* Bulletin de la Société vaudoise des Sciences naturelles. Lausanne.

- Bull. U.S. Geol. Surv.* Bulletin of the United States Geological Survey. Washington.
- Canad. Rec. Sci.* Canadian Record of Science. (Natural History Society of Montreal.) Montreal.
- Chem. News.* Chemical News. London.
- Col. Coll. Studies.* Colorado College Studies (Colorado College Scientific Society). Colorado Springs (Col.).
- Coll. Guard.* Colliery Guardian. London.
- Coll. Surrey Archæol. Soc.* Collections of the Surrey Archæological Society. Guildford (?).
- Congrès géol. internat.* Compte-rendu du VI^{ème} Congrès géologique international. Lausanne.
- Congrès géol. internat. Mém.* Congrès géologique international. Mémoires présentés au VII^{ème} Congrès. St. Petersburg, 1897.
- Cosmos, Paris.* 'Cosmos.' Paris.
- C. R. Acad. Sci. Paris.* Comptes-rendus hebdomadaires des Séances de l'Académie des Sciences. Paris.
- **C. R. Assoc. franç. Av. Sci.* Comptes-rendus de l'Association française pour l'Avancement des Sciences. Paris.
- C. R. Congrès Soc. sav. Sci. Paris.* Comptes-rendus du Congrès des Sociétés savantes, Sciences. Paris.
- C. R. Soc. géol. France.* Compte-rendu sommaire des Séances de la Société géologique de France. Paris.
- C. R. Soc. helv. Sci. nat.* Compte-rendu des Travaux présentés à la Session de la Société helvétique des Sciences naturelles. Geneva.
- Dan. geol. Undersög.* Danmarks geologiske Undersögelse. Copenhagen.
- Denkschr. k. Akad. Wissensch. Wien.* Denkschriften der kaiserlichen Akademie der Wissenschaften. Mathematisch-naturwissenschaftliche Classe. Vienna.
- Denkschr. schweiz. Gesellsch. Naturw.* Neue Denkschriften der allgemeinen schweizerischen Gesellschaft für die gesammten Naturwissenschaften. Basel, &c.
- Dep. Mines, Victoria (Aust.). Spec. Rep.* Department of Mines, Victoria. Special Reports. Melbourne.
- Ecologæ Geol. Helv.* Ecologæ Geologicae Helvetiæ. Lausanne.
- Erläut. geol. Karte Hessen.* Erläuterungen zur geologischen Karte des Grossherzogthums Hessen. Darmstadt.
- Erläut. geogn. Karte Bayern.* Kurze Erläuterungen der geognostischen Karte des Königreichs Bayern. (Cassel) Munich.
- Erläut. geol. Spezialkarte Länd. ung. Krone.* Erläuterungen zur geologischen Spezialkarte der Länder der ungarischen Krone. (Königlich ungarische geologische Anstalt.) Budapest.
- Ért. magyar tud. Akad. Budapest.* Értésítő tudományos Közleményei. (Magyar tudományos Akadémia). Budapest.
- Essex Nat.* Essex Naturalist. Buckhurst Hill.
- Fennia.* Fennia. Bulletin de la Société de Géographie de Finlande. Helsingfors.
- Field Columbian Mus.* Field Columbian Museum Publications. Chicago (Ill.).
- Final Rep. Geol. Surv. Minnesota.* Final Report of the Geological Survey of Minnesota. Minneapolis (Minn.).
- Földt. Közl.* Földtani Közlöny. [Geological Magazine.] Budapest.
- Geogr. Journ.* Geographical Journal (Royal Geographical Society). London.
- Geol. Comm. Cape Colony.* Geological Commission, Colony of the Cape of Good Hope. Cape Town.
- Geol. Fören. Stockh. Förh.* Geologiska Föreningens i Stockholm Förhandlingar. Stockholm.
- Geol. Soc. Washington.* Geological Society of Washington. Washington (D.C.).
- Geol. Surv. Japan.* Imperial Geological Survey of Japan. Tokyo.
- Geol. Surv. N.Y.* Geological Survey of the State of New York. Albany (N.Y.).
- **Glac. Mag.* Glacialists' Magazine. Leeds.
- **Guide, VII. Congrès géol. internat.* Guides des Excursions du VII^{ème} Congrès géologique international. St. Petersburg.
- Harper's Monthly Mag.* Harper's Monthly Magazine. London & New York.
- **Irish Nat.* Irish Naturalist. Dublin.
- Jaarb. Mijnw. Ned. O.-Ind.* Jaarboek van het Mijnwezen in Nederlandsch Oost-Indië. Amsterdam.
- Jahrb. k.-k. geol. Reichsanst.* Jahrbuch der kaiserlich-königlichen geologischen Reichsanstalt. Vienna.
- Jahrb. k.-preuss. geol. Landesanst.* Jahrbuch der königlich-preussischen geologischen Landesanstalt. Berlin.

- Jahrb. k.-ung. geol. Anst.* Jahrbuch der königlich-ungarischen geologischen Anstalt. Budapest.
- Jahrb. nassauisch. Ver. f. Naturk.* Jahrbücher des nassauischen Vereins für Naturkunde. Wiesbaden.
- **Jahrb. Schw.-Alpenclub.* Jahrbuch des Schweizer-Alpenclub. Bern.
- Jahresb. k.-ung. geol. Anst.* Jahresbericht der königlich-ungarischen geologischen Anstalt. Budapest.
- Jahresb. Ver. Naturw. Braunschweig.* Jahresbericht des Vereins für Naturwissenschaft zu Braunschweig. Brunswick.
- Jahresh. Ver. Naturk. Württ.* Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg. Stuttgart.
- Journ. Acad. Nat. Sci. Philad.* Journal of the Academy of Natural Sciences of Philadelphia. Philadelphia (Pa.).
- Journ. Asiat. Soc. Bengal.* Journal of the Asiatic Society of Bengal. Calcutta.
- Journ. Ceylon Branch R. Asiat. Soc.* Journal of the Ceylon Branch of the Royal Asiatic Society. Colombo.
- Journ. Chem. Soc.* Journal of the Chemical Society. London.
- Journ. Cinc. Soc. Nat. Hist.* Journal of the Cincinnati Society of Natural History. Cincinnati (Ohio).
- Journ. City of London Coll. Sci. Soc.* Journal of the City of London College Science Society. London.
- Journ. Coll. Sci. Tokyo.* Journal of the College of Science, Imperial University, Japan. Tokyo.
- **Journ. de Conch. Paris.* Journal de Conchyliologie. Paris.
- Journ. East India Assoc.* Journal of the East India Association. London.
- Journ. Geol. Chicago.* Journal of Geology. Chicago (Ill.).
- Journ. Hamilton Assoc. (Canada).* Journal and Proceedings of the Hamilton Association. Hamilton (Ont.).
- Journ. Linn. Soc.* Journal of the Linnean Society. London.
- Journ. Liverp. Geol. Assoc.* Journal of the Liverpool Geologists' Association. Liverpool.
- Journ. Northants Nat. Hist. Soc.* Journal of the Northamptonshire Natural History Society. Northampton.
- Journ. R. Agric. Soc.* Journal of the Royal Agricultural Society. London.
- **Journ. R. Asiat. Soc. Gt. B.* Journal of the Royal Asiatic Society of Great Britain and Ireland. London.
- Journ. R. Micr. Soc.* Journal of the Royal Microscopical Society. London.
- Journ. Roy. Soc. N.S.W.* Journal and Proceedings of the Royal Society of New South Wales. Sydney.
- Journ. Soc. Arts.* Journal of the Society of Arts. London.
- Journ. Vict. Inst. London.* Journal of the Transactions of the Victoria Institute. London.
- Kansas Univ. Quart.* Kansas University Quarterly. Lawrence (Kan.).
- K. danske Vidensk.-Selsk. Afh.* Kongelige danske Videnskabernes-Selskabs naturvidenskabelig og matematisk Afhandling. Copenhagen.
- K. fysiogr. Sällsk. Lund Handl.* Kongliga fysiografiska Sällskapets i Lund Handlingar. Lund.
- K. Min. Mus. Dresden.* Königliches Mineralogisches Museum. Dresden.
- Knowledge.* Knowledge. London.
- K. svenska Vet.-Akad. Handl.* Kongliga svenska Vetenskaps-Akademiens Handlingar. Stockholm.
- Lincoln. Notes & Queries.* Lincolnshire Notes and Queries. Horncastle.
- Lond. Edinb. Dubl. Phil. Mag.* London, Edinburgh, and Dublin Philosophical Magazine and Journal of Science. London.
- Lunds Univ. Årsskrift.* Lunds Universitets Årsskrift. Lund.
- Mater. Geol. Russ.* Materialien zur Geologie Russlands. Herausgegeben von der kaiserlichen mineralogischen Gesellschaft. St. Petersburg.
- Math. & naturw. Ber. Ung.* Mathematische und naturwissenschaftliche Berichte aus Ungarn. Budapest.
- Meddel. Dansk geol. Foren.* Meddelelser fra Dansk geologisk Forening. Copenhagen.
- Meddel. Industristyr. Finland.* Meddelanden från Industristyrelsen i Finland. Helsingfors.
- Mém. Acad. Imp. Sci. St. Pétersb.* Mémoires de l'Académie Impériale des Sciences. St. Petersburg.
- Mem. Pont. Acc. N. Lincei.* Memorie della Pontificia Accademia dei Nuovi Lincei. Rome.

- Mém. Acad. Sci. Dijon.* Mémoires de l'Académie des Sciences, Arts et Belles-Lettres de Dijon. Dijon.
- Mem. Am. Acad. Sci.* Memoirs of the American Academy of Arts and Sciences. Cambridge (Mass.).
- Mém. Com. géol. Russie.* Mémoires du Comité géologique. St. Petersburg.
- Mém. cour. Acad. Roy. Belg.* Mémoires couronnés et autres Mémoires publiés par l'Académie Royale des Sciences, des Lettres et des Beaux-Arts de Belgique. Brussels.
- Mem. Geol. Surv. England & Wales.* Memoirs of the Geological Survey of England and Wales. London.
- Mem. Geol. Surv. India.* Memoirs of the Geological Survey of India. Calcutta.
- Mem. Geol. Surv. India. Palæont. Indica.* Memoirs of the Geological Survey of India. Palæontologia Indica. Calcutta.
- Mem. Geol. Surv. Scotland.* Memoirs of the Geological Survey of Scotland. Edinburgh.
- Mem. Manch. Lit. Phil. Soc.* Memoirs and Proceedings of the Manchester Literary and Philosophical Society. Manchester.
- Mem. Mus. Comp. Zool.* Memoirs of the Museum of Comparative Zoology at Harvard College. Cambridge (Mass.).
- Mem. R. Acc. Sci. Torino.* Memorie della Reale Accademia delle Scienze. Turin.
- Mem. R. Ist. lomb.* Memorie del Reale Istituto lombardo di Scienze e Lettere. Milan.
- Mém. Soc. géol. France (Paléont.).* Mémoires de la Société géologique de France. Paléontologie. Paris.
- Mém. Soc. géol. Nord.* Mémoires de la Société géologique du Nord. Lille.
- Mém. Soc. Linn. Norm.* Mémoires de la Société Linnéenne de Normandie. Caen.
- **Mém. Soc. palé. suisse.* Mémoires de la Société paléontologique suisse. Geneva, &c.
- Mém. Soc. Phys. & Hist. nat. Genève.* Mémoires de la Société de Physique et d'Histoire naturelle de Genève. Geneva.
- Mém. Soc. R. malacol. Belg.* Mémoires de la Société Royale malacologique de Belgique. Brussels.
- Mém. Soc. R. Sci. Liège.* Mémoires de la Société Royale des Sciences de Liège. Bruxelles.
- Mém. Soc. Sci. Lille.* Mémoires de la Société des Sciences de Lille. Lille.
- Min. Mag.* The Mineralogical Magazine and Journal of the Mineralogical Society. London.
- **Min. petr. Mitth.* Mineralogische und petrographische Mittheilungen. Vienna.
- Minutes of Proc. Inst. C.E.* Minutes of Proceedings of the Institution of Civil Engineers. London.
- **Mitth. badisch. geol. Landesanst.* Mittheilungen der grossherzoglich badischen geologischen Landesanstalt. Heidelberg.
- Mitth. Jahrb. k.-ung. geol. Anst.* Mittheilungen aus dem Jahrbuche der königlich-ungarischen geologischen Anstalt. Budapest.
- **Mitth. k. min.-geol. prähist. Mus. Dresden.* Mittheilungen aus dem königlichen mineralogisch-geologischen prähistorischen Museum in Dresden. Cassel.
- Mitth. naturf. Gesellsch. Bern.* Mittheilungen der naturforschenden Gesellschaft in Bern. Bern.
- Mitth. nat. Ver. Steiermark.* Mittheilungen des naturwissenschaftlichen Vereines für Steiermark. Graz.
- Naochn. Obozr.* Teacher's Review. St. Petersburg.
- Nat. Geogr. Mag. Washington.* National Geographical Magazine. Washington.
- Nat. Hist. Journ. York.* Natural History Journal and School Reporter. York.
- **Nat. Sci.* Natural Science. London.
- Naturaleza.* La Naturaleza. Mexico.
- Naturalist, Leeds.* The Naturalist. Leeds and London.
- Nature.* Nature. London.
- N. J. f. Min.* Neues Jahrbuch für Mineralogie, Geologie und Paläontologie. Stuttgart.
- Notizbl. Ver. f. Erdk. Darmstadt.* Notizblatt des Vereins für Erdkunde und der grossherzoglichen geologischen Landesanstalt. Darmstadt.
- Nouv. Arch. Mus. Hist. nat. Paris.* Nouvelles Archives du Muséum d'Histoire naturelle. Paris.
- Nyt Mag. Naturvid.* Nyt Magazin for Naturvidenskaberne. Christiania.
- N. Z. Inst. M.E.* New Zealand Institute of Mining Engineers. Auckland.
- Öfvers. K. Vet.-Akad. Förh.* Öfversigt af Kongliga Vetenskaps-Akademiens Förhandlingar. Stockholm.

- Overs. K. danske Vidensk.-Selsk. Forh.* Oversigt over det Kongelige danske Videnskabernes-Selskabs Forhandlinger. Christiania.
- Orvos-term. Ért. Budapest.* Orvos-természet-tudományi Értesítő. (Medic.-natur-wissensch. Mittheilungen. Klausenburg.) Budapest.
- **Paläont. Abh. Jena.* Paläontologische Abhandlungen. Jena.
- **Palæontographica.* Palæontographica. Beiträge zur Naturgeschichte der Vorzeit. Stuttgart.
- **Palæontographia italica.* Palæontographia italica. Memorie di Paleontologia. Pisa.
- **Peterm. Mitth.* Petermann's Mittheilungen. Gotha.
- Photogr. Journ.* Photographic Journal. (Royal Photographic Society.) London.
- Proc. Ac. Nat. Sci. Philad.* Proceedings of the Academy of Natural Sciences. Philadelphia (Pa.).
- Proc. Am. Acad. Arts & Sci.* Proceedings of the American Academy of Arts and Sciences. Boston (Mass.).
- Proc. Am. Micr. Soc.* Proceedings of the American Microscopical Society. Washington (D.C.).
- Proc. Am. Phil. Soc.* Proceedings of the American Philosophical Society. Philadelphia (Pa.).
- Proc. & Trans. N. S. Inst. Sci.* Proceedings and Transactions of the Nova Scotian Institute of Science. Halifax (N.S.).
- Proc. & Trans. Roy. Soc. Canada.* Proceedings and Transactions of the Royal Society of Canada. Toronto.
- Proc. Asiatic Soc. Bengal.* Proceedings of the Asiatic Society of Bengal. Calcutta.
- Proc. Bath Nat. Hist. F. C.* Proceedings of the Bath Natural History and Antiquarian Field Club. Bath.
- Proc. Belfast Nat. F. C.* Proceedings of the Belfast Naturalists' Field Club. Belfast.
- Proc. Biol. Soc. Washington.* Proceedings of the Biological Society of Washington. Washington (D.C.).
- Proc. Boston Soc. Nat. Hist.* Proceedings of the Boston Society of Natural History. Boston (Mass.).
- Proc. Camb. Phil. Soc.* Proceedings of the Cambridge Philosophical Society. Cambridge.
- Proc. Canad. Inst.* Proceedings of the Canadian Institute. Toronto.
- Proc. Cotteswold Nat. F. C.* Proceedings of the Cotteswold Naturalists' Field Club. Gloucester.
- Proc. Davenport Acad. Nat. Sci.* Proceedings of the Davenport Academy of Natural Sciences. Davenport (Iowa).
- Proc. Dorset Nat. Hist. F. C.* Proceedings of the Dorset Natural History and Antiquarian Field Club. Dorchester.
- Proc. Geol. Assoc.* Proceedings of the Geologists' Association. London.
- Proc. Hants F. C.* Proceedings of the Hampshire Field Club. Southampton.
- Proc. Indiana Acad. Sci.* Proceedings of the Indiana Academy of Science. Indianapolis (Ind.).
- Proc. Linn. Soc.* Proceedings of the Linnean Society. London.
- Proc. Linn. Soc. N.S.W.* Proceedings of the Linnean Society of New South Wales. Sydney.
- Proc. Lit. Phil. Soc. Liverpool.* Proceedings of the Literary and Philosophical Society of Liverpool. Liverpool.
- Proc. Liverp. Geol. Soc.* Proceedings of the Liverpool Geological Society. Liverpool.
- Proc. Malacol. Soc.* Proceedings of the Malacological Society. London.
- Proc. Midland Inst. M. E.* Proceedings of the Midland Institute of Mining, Civil, and Mechanical Engineers. Newcastle-upon-Tyne.
- Proc. Nebraska Acad. Sci.* Proceedings of the Nebraska Academy of Sciences. Lincoln (Neb.).
- Proc. Portland Soc. Nat. Hist.* Proceedings of the Portland Society of Natural History. Portland (Me.).
- Proc. Roy. Inst. Gt. B.* Proceedings of the Royal Institution of Great Britain. London.
- Proc. Roy. Irish Acad.* Proceedings of the Royal Irish Academy. Dublin.
- Proc. Roy. Soc.* Proceedings of the Royal Society. London.
- Proc. R. Phys. Soc. Edinb.* Proceedings of the Royal Physical Society of Edinburgh. Edinburgh.
- Proc. Roy. Soc. Queensl.* Proceedings of the Royal Society of Queensland. Brisbane.
- Proc. Roy. Soc. Tasm.* Proceedings of the Royal Society of Tasmania. Hobart.

- Proc. Roy. Soc. Victoria (Aust.)*. Proceedings of the Royal Society of Victoria. Melbourne.
- Proc. Soc. Bibl. Arch.* Proceedings of the Society of Biblical Archaeology. London.
- **Proc. Somerset Archæol. Nat. Hist. Soc.* Proceedings of the Somersetshire Archæological and Natural History Society. Taunton.
- Proc. S. Wales Inst. Engin.* Proceedings of the South Wales Institute of Engineers. Cardiff.
- Proc. U.S. Nat. Mus.* Proceedings of the United States National Museum (Smithsonian Institute). Washington.
- Proc. Warwick Field Club.* Proceedings of the Warwickshire Naturalists' and Archæologists' Field Club. Warwick.
- Proc. Yorks Geol. Soc.* Proceedings of the Yorkshire Geological and Polytechnic Society. Halifax.
- Proc. Zool. Soc. London.* Proceedings of the Zoological Society. London.
- Procès-verb. Soc. R. malacol. Belg.* Procès-verbaux des Séances de la Société Royale malacologique de Belgique. Brussels.
- Q. J. G. S.* Quarterly Journal of the Geological Society. London.
- '*Quarry*' The Quarry. London.
- Rapp. ann. Mus. Hist. nat. Lausanne.* Musées d'Histoire naturelle de Lausanne. Rapports annuels des Conservateurs à la Commission des Musées. Lausanne.
- Rec. Geol. Surv. India.* Records of the Geological Survey of India. Calcutta.
- Rec. Geol. Surv. N.S.W.* Records of the Geological Survey of New South Wales. Sydney.
- Rec. Roy. Soc.* Record of the Royal Society. London.
- Rendic. R. Ist. lomb.* Reale Istituto lombardo di Scienze e Lettere. Rendiconti. Milan.
- Rep. Brit. Assoc.* Report of the British Association. London.
- Rep. Cal. Mining Bur.* Report of the California State Mining Bureau. Sacramento (San Francisco).
- Rep. Geol., Nebraska State Board Agric.* Report of the Geologist, Nebraska State Board of Agriculture. Lincoln (Neb.).
- Rep. Geol. Surv. Ala.* Report of the Geological Survey of Alabama. Montgomery (Ala.).
- Rep. Geol. Surv. Queensl.* Report of the Geological Survey of Queensland. Brisbane.
- Rep. Inst. Mines & Forests Brit. Guiana.* Report of the Council of the Institute of Mines and Forests on the Gold and Forest Industries of British Guiana. Georgetown (Demerara).
- Rep. Rugby School Nat. Hist. Soc.* Report of the Rugby School Natural History Society. Rugby.
- Rev. gén. Sci. Paris.* Revue générale des Sciences pures et appliquées. Paris.
- Rev. géogr. intern. Paris.* Revue géographique internationale. Paris.
- Rev. Inst. geogr. & hist. Bahia.* Revista trimensal do Instituto geographico e historico da Bahia. Bahia.
- Rev. Mus. La Plata.* Revista del Museo de La Plata. La Plata.
- Rev. Quest. sci. Louvain.* Revue des Questions scientifiques. Louvain.
- Rev. Sci. nat. e soc. Porto.* Revista de Sciencias naturaes e sociaes. Oporto.
- Rev. Sci. Paris.* Revue scientifique. Paris.
- Rev. suisse Zool. Genève.* Revue suisse de Zoologie et Annales du Musée d'Histoire naturelle de Genève. Geneva.
- **Riv. ital. Paleont. Parma.* Rivista italiana di Paleontologia. Parma (formerly Bologna).
- **Riv. Min. e Crist. ital. Padova.* Rivista di Mineralogia e Cristallografia italiana. Padua.
- Rozpr. Akad. Umiej. Krakow.* Rozprawy Akademii Umiejetności Wydział matematyczno-przynodniczy. Cracow.
- **Schr. physik.-ökonom. Gesellsch. Königsb.* Schriften der physikalisch-ökonomischen Gesellschaft. Königsberg in Pr.
- Science.* Science. New York.
- Sci. Proc. R. Dublin Soc.* Scientific Proceedings of the Royal Dublin Society. Dublin.
- **Sci. Progr.* Science Progress. London.
- Sci. Trans. R. Dublin Soc.* Scientific Transactions of the Royal Dublin Society. Dublin.
- Scot. Geogr. Mag.* Scottish Geographical Magazine. (Royal Scottish Geographical Society.) Edinburgh.

- Sitz. Gesellsch. naturf. Freunde, Berlin.* Sitzungsberichte der Gesellschaft naturforschender Freunde. Berlin.
- Sitz. k. Akad. Wissensch. Wien.* Sitzungsberichte der königlich-kaiserlichen Akademie der Wissenschaften in Wien. Vienna.
- Sitz. k.-bayr. Akad.* Sitzungsberichte der mathematisch-physikalischen Classe der königlich-bayerischen Akademie der Wissenschaften. Munich.
- Sitz. k.-preuss. Akad. Wissensch. Berlin.* Sitzungsberichte der königlich-preussischen Akademie der Wissenschaften. Berlin.
- Sitz. Naturf.-Gesellsch. Dorpat.* Sitzungsberichte der Naturforscher-Gesellschaft bei der Universität Jurjew. Dorpat.
- **Sitz. niederrhein. Gesellsch. Nat. &c., Bonn.* Sitzungsberichte der nieder-rheinischen Gesellschaft für Natur- und Heilkunde zu Bonn. Bonn. [*& Verh. naturh. Ver. preuss. Rheinl.*]
- Sitz. u. Abh. Gesellsch. 'Isis.'* Sitzungsberichte und Abhandlungen der naturwissenschaftlichen Gesellschaft 'Isis' in Dresden. Dresden.
- Smiths. Miscell. Coll.* Smithsonian Miscellaneous Collections. Washington (D.C.).
- Spelunca.* 'Spelunca.' Bulletin de la Société de Spéléologie. Paris.
- Sver. geol. Undersökn. Afh.* Sveriges geologiska Undersökning. Stockholm.
- Technol. Quart. Boston.* Technology Quarterly. (Massachusetts Institute of Technology.) Boston (Mass.).
- Termész. Füzet. Budapest.* Termeszeträjzi, az Álla-, Növény-, Ásvány- és Földtan Köréböl. [Natural History Book for Zoology, Botany, Mineralogy, and Geology.] Budapest.
- **Trans. Acad. Sci. St. Louis.* Transactions of the Academy of Science of St. Louis. St. Louis (Mo.).
- Trans. Am. Inst. M. E.* Transactions of the American Institute of Mining Engineers. New York.
- Trans. Am. Phil. Soc.* Transactions of the American Philosophical Society. Philadelphia (Pa.).
- Trans. Am. Soc. C. E.* Transactions of the American Society of Civil Engineers. New York.
- Trans. Austr. Inst. M. E.* Transactions of the Australasian Institute of Mining Engineers. Melbourne.
- Trans. Croydon Micr. & Nat. Hist. Club.* Transactions of the Croydon Microscopical and Natural History Club. Croydon.
- Trans. Devon. Assoc.* Transactions of the Devonshire Association for the Advancement of Science. Plymouth.
- Trans. Fed. Inst. M. E.* Transactions of the Federated Institution of Mining Engineers. Newcastle-on-Tyne.
- Trans. Geol. Soc. Glasgow.* Transactions of the Geological Society of Glasgow. Glasgow.
- Trans. Geol. Soc. S. A.* Transactions of the Geological Society of South Africa. Johannesburg.
- Trans. Hull Geol. Soc.* Transactions of the Hull Geological Society. Hull.
- Trans. Leicester Lit. & Phil. Soc.* Transactions of the Leicester Literary and Philosophical Society. Leicester.
- Trans. Manch. Geol. Soc.* Transactions of the Manchester Geological Society. Manchester.
- Trans. Nat. Hist. Soc. Glasgow.* Transactions of the Natural History Society of Glasgow. Glasgow.
- Trans. N. Engl. Inst. Min. & Mech. Eng.* Transactions of the North of England Institute of Mining and Mechanical Engineers. Newcastle-upon-Tyne.
- Trans. N.S. Inst. Sci.* Transactions of the Nova Scotian Institute of Science. Halifax (N.S.).
- Trans. N.Y. Acad. Sci.* Transactions of the New York Academy of Sciences. New York.
- Trans. N.Z. Inst.* Transactions and Proceedings of the New Zealand Institute. Wellington (N.Z.).
- Trans. R. Geol. Soc. Cornwall.* Transactions of the Royal Geological Society of Cornwall. Penzance.
- Trans. Roy. Irish Acad.* Transactions of the Royal Irish Academy. Dublin.
- Trans. Roy. Soc. Canada.* Transactions of the Royal Society of Canada. Ottawa.
- Trans. Roy. Soc. S. Aust.* Transactions of the Royal Society of South Australia. Adelaide.
- Trans. S.A. Phil. Soc.* Transactions of the South African Philosophical Society. Cape Town.
- Trans. Zool. Soc. London.* Transactions of the Zoological Society. London.

- Travaux Sec. géol. Cab. S.M. St.-Petersb.* Travaux de la Section géologique du Cabinet de Sa Majesté. St. Petersburg.
- Univ. Studies. Nebraska Univ.* University Studies. Nebraska University. Lincoln (Neb.).
- Utah Univ. Quart.* Utah University Quarterly. Salt Lake City.
- Verh. deutsch. wissenschaft. Ver. Santiago.* Verhandlungen des deutschen wissenschaftlichen Vereins zu Santiago de Chile. Valparaiso.
- Verh. k.-k. geol. Reichsanst.* Verhandlungen der kaiserlich-königlichen geologischen Reichsanstalt. Vienna.
- Verh. k.-k. zool.-bot. Gesellsch. Wien.* Verhandlungen der k.-k. zoologisch-botanischen Gesellschaft in Wien. Vienna.
- **Verh. naturh. Ver. preuss. Rheinl.* Verhandlungen des naturhistorischen Vereins der preussischen Rheinlande, Westfalens und des Regierungs-Bezirks Osnabrück. Bonn.
- Verh. russ.-k. min. Gesellsch.* Verhandlungen der russisch-kaiserlichen mineralogischen Gesellschaft. St. Petersburg.
- Verh. schw. naturf. Gesellsch.* Verhandlungen (Actes) der schweizerischen naturforschenden Gesellschaft. Zürich, Bern, &c.
- Vierteljahrsschr. naturforsch. Gesellsch. Zürich.* Vierteljahrsschrift der naturforschenden Gesellschaft in Zürich. Zürich.
- Vortr. Ver. Verbr. naturw. Kenntn. Wien.* Vorträge des Vereines zur Verbreitung naturwissenschaftlicher Kenntnisse in Wien. Vienna.
- Year-book Roy. Soc.* Year-book of the Royal Society. London.
- 'Ymer.' 'Ymer.' Stockholm.
- '*Yn Lioar Manninagh.*' 'Yn Lioar Manninagh,' Journal of the Isle of Man Natural History and Antiquarian Society. Douglas (I. of M.).
- Zeitschr. deutsch. geol. Gesellsch.* Zeitschrift der deutschen geologischen Gesellschaft. Berlin.
- Zeitschr. f. Berg-, Hütt.-Salinenw.* Zeitschrift für das Berg-, Hütten- und Salinenwesen im preussischen Staate. Berlin.
- Zeitschr. f. Kryst.* Zeitschrift für Krystallographie und Mineralogie. Leipzig.
- Zeitschr. f. Naturw. Leipzig.* Zeitschrift für Naturwissenschaften. Organ des naturwissenschaftlichen Vereins für Sachsen und Thüringen. Leipzig.
- Zeitschr. f. prakt. Geol.* Zeitschrift für praktische Geologie. Berlin.

-
- AAGAARD, C. E. Rester af uddøde Elefanter i nordiske glaciële Aflejringer. *Meddel. Dansk geol. Foren.* no. 3, pp. 17-22, fig. [Map.] 1896.
- ABBOTT, G. Excursion to Tunbridge Wells. *Proc. Geol. Assoc.* xv. pp. 105-106, figs. 1897.
- *ABBOTT, W. J. L. Worked Flints from the Cromer Forest Bed. *Nat. Sci.* x. pp. 89-96, figs. 1897.
- *— 2. Primeval Refuse Heaps at Hastings. *Ibid.* xi. pp. 40-44, 94-99, pls. v-vi. 1897.
- ACHIARDI, G. D'. Le Tormaline del Granito elbano. *Atti Soc. tosc. Sci. nat.* xv. *Mem.* pp. 3-74, pl. i. 1897.
- 2. Note di Mineralogia toscana. [Epsomite, Cerussite, Pyrites.] *Ibid.* x. *Proc.-verb.* pp. 210-214, figs. 1897.
- 3. Di alcune Forme cristalline della Calcite di Montecatini in Val di Cecina. *Ibid.* pp. 232-241. 1897.
- ADAMS, F. D. Report on the Geology of a Portion of the Laurentian Area lying to the North of the Island of Montreal. *Ann. Rep. Geol. Surv. Canada*, 1895, J, pp. 1-184 fig. [Map, St. Jérôme, 2 inches=1 mile.] 11 pls. & map, no. 590, Province of Quebec, 1 inch=4 miles. 1897.
- 2. On the Structure and Origin of certain Rocks of the Laurentian System. [Abstract.] *Geol. Mag.* dec. 4, iv. pp. 516-517. 1897.
- , & A. E. BARLOW. Origin and Relations of the Grenville-Hastings Series of the Canadian Laurentian. *Bull. Geol. Soc. Am.* viii. pp. 398-401. 1897. [See ELLS, R. W.]
- , A. E. BARLOW, & R. W. ELLS. On the Origin and Relations of the Grenville and Hastings Series in the Canadian Laurentian. *Am. Journ. Sci.* ser. 4, iii. pp. 173-180. 1897.
- , & J. T. NICHOLSON. Preliminary Notice of some Experiments of the Flow of Rocks. [Abstract.] *Geol. Mag.* dec. 4, iv. pp. 513-514. 1897.

- ADAMS, G. I. On the Extinct Felidae. *Am. Journ. Sci.* ser. 4, iv. pp. 145-149, figs. 1897.
- ADDA, K. von. Geologische Verhältnisse von Kornia, Mehadika und Pervova im Krassó-Szorenyer Comitate. *Jahresb. k.-ung. geol. Anst.* 1894, pp. 105-128, figs. 1897.
- AEPPLI, A. Bericht der geologischen Kommission für das Jahr 1894-95. *Verh. schw. naturf. Gesellsch.* 1895, pp. 90-96. 1896; & *id.* für das Jahr 1895-96. *Ibid.* 1896, pp. 246-249. 1896.
- AGAMENNONE, G. Il Sismometrografo fotografico. *Atti R. Acc. Lincei*, ser. 5, *Rendic.* vi. sem. 1, pp. 254-260. 1897.
- AGASSIZ, A. Annual Report of the Curator of the Museum of Comparative Zoology at Harvard College. *Ann. Rep. Mus. Comp. Zool.* 1895-96, pp. 1-60. 1896.
- 2. The Elevated Reef of Florida; with Notes on the Geology of Southern Florida, by L. S. GRISWOLD. *Bull. Mus. Comp. Zool.* xxviii. pp. 29-62, pls. i-xxvi. [Maps.] 1896.
- AGUILERA, J. G., R. J. BUELNA, & E. ORDÓÑEZ. Bosquejo geológico de México. *Bol. Inst. geol. México*, nos. 4-6, pp. 1-274, pls. i-v. [Map, Mexico.] 1897.
- , E. ORDÓÑEZ, P. C. SANCHEZ, C. CASTRO, M. RANGEL, & I. O. GONZÁLEZ. El Mineral de Pachuca. *Bol. Inst. geol. México*, nos. 7-9, pp. 1-186, figs., pls. i-vi. & 8 maps. 1897.
- AGULLON, L. Notice nécrologique sur M. Étienne Dupont. *Ann. Mines, Paris*, ser. 9, xi. pp. 573-596. 1897.
- AGUIRRE, E. La Gruta de Aguas Doradas. *An. Mus. Nac. Buenos Aires*, v. pp. 303-307. 1897.
- 2. Notas geológicas sobre la Sierra de la Tinta. *Ibid.* pp. 333-347. 1897.
- AIMONETTI, C. Determinazione relativa della Gravità terrestre a Torino fatta nel 1896 mediante l'Apparato pendolare di Sterneck. *Atti R. Accad. Sci. Torino*, xxxii. pp. 715-741, figs. 1897.
- AILEN, E. T. Native Iron in the Coal Measures of Missouri. *Am. Journ. Sci.* ser. 4, iv. pp. 99-104. 1897.
- ALMERA, J. Note sur la Découverte du Burdigalien aux Environs de Barcelone. *C. R. Soc. géol. France*, 1896, p. ccxxxi. 1896.
- 2. Catálogo de la Flora pliocena de los Alrededores de Barcelona. *Bol. Com. Mapa geol. España*, xxii. pp. 145-171. 1897.
- AMALITZKI, W. See STUCKENBERG, A.
- AMEGHINO, F. Mammifères crétacés de l'Argentine. Deuxième Contribution à la Connaissance de la Faune mammalogique des Couches à *Pyrotherium*. *Bol. Inst. geogr. Argent.* xviii. (pp. 1-117) figs. 1897. And A.C.
- 2. Notes on the Geology and Palæontology of Argentina. *Geol. Mag.* dec. 4, iv. pp. 4-20. 1897. [See WOODWARD, A. S.]
- *— 3. South America as the Source of the Tertiary Mammalia. *Nat. Sci.* xi. pp. 256-264. 1897.
- 4. La Argentina al través de las últimas Épocas geológicas. Pp. 1-35, figs. 8vo. Buenos Aires, 1897. A.C.
- AMI, H. M. Notes on some of the Fossil Organic Remains comprised in the Geological Formations and Outliers of the Ottawa Palæozoic Basin. *Proc. & Trans. Roy. Soc. Canada*, ser. 2, ii. sec. iv. pp. 151-158. 1896.
- AMMON, L. von, &c. Kurze Erläuterungen zu dem Blatte Speyer (No. xviii.) der geognostischen Karte des Königreichs Bayern. *Erläut. geogn. Karte K. Bayern*, xviii. pp. 1-77, 1897, & map, $\frac{1}{100,000}$. 1897.
- ANASTASIU, V. Note préliminaire sur la Constitution géologique de la Dobrogea. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 595-601. 1896.
- ANDERSON, J. Evidences of the most Recent Glaciers in the Firth of Clyde District. *Proc. Geol. Soc. Glasgow*, x. pp. 198-209, pl. iv. 1896.
- ANDERSSON, F. Ueber die quartäre Lagerserie des Ristinge Klint auf Langeland. *Bull. Geol. Inst. Univ. Upsala*, iii. pp. 1-66, 115-180, figs. 1897. And A.C.
- ANDERSSON, J. G. Om Fosforitbildning och fosforitförande Sediment. *Geol. Fören. Stockh. Förh.* xix. pp. 245-251, fig. 1897.
- 2. Några Anmärkningar om den centraljämtska Issjön. *Ibid.* xix. pp. 488-491. 1897.
- ANDRADE, A. A. F. DE. A Geological Reconnaissance of the Portuguese Territories between Lorenzo Marques and the Zambesi River. [Abstract.] *Geol. Mag.* dec. 4, iv. pp. 274-276. 1897.
- *ANDREWS, A. Note on a Cast of the Brain-cavity of *Iguanodon*. *Ann. Mag. Nat. Hist.* ser. 6, xix. pp. 585-591, pl. xvi. 1897.

- ANDREWS, C. W. Note on a nearly complete Skeleton of *Æpyornis* from Madagascar. *Geol. Mag.* dec. 4, iv. pp. 241-250, figs., pl. ix. 1897.
- 2. On the Structure of the Skull of a Pliosaur. *Q. J. G. S.* liii. pp. 177-185, figs., pl. xii. 1897.
- *ANDRUSSOV, N. La Mer Noire. *Guide, VII. Congrès géol. internat.* 1897, no. 29, pp. 1-13, figs. 1897.
- *— 2. Environs de Kertch. *Ibid.* no. 30, pp. 1-16, figs. [Maps.] 1897.
- *— 3. Der Adschid-darja- oder Karabugas-Busen. *Peterm. Mitth.* xliii. pp. 25-34, pl. iv. [Maps, $\frac{1}{60,000}$, $\frac{1}{1,000,000}$] 1897.
- 4. Die Südrussischen Neogenablagerungen. *Verh. russ.-k. min. Gesellsch.* ser. 2, xxxiv. pp. 195-242, figs. 1897.
- ANGELIS D'OSSAY, G. DE. Appunti preliminari sulla Geologia della Valle dell' Aniene. *Boll. Soc. geol. ital.* xv. pp. 423-436. 1896.
- 2. Sopra alcuni Mammiferi fossili delle Valle del Po. *Rendic. R. Ist. lomb.* ser. 2, xxix. pp. 376-391. 1896.
- 3. I Dintorni di Rapolano (Siena). *Atti R. Acc. Lincei*, ser. 5, *Rendic.* vi. sem. 1, pp. 113-121, fig. 1897.
- , & G. F. LUZZI. I Fossili dello Schlier di San Severino (Marche). *Boll. Soc. geol. ital.* xvi. pp. 61-68. 1897.
- ANON. Les Grottes de Couvin (Belgique) et le Contournement des Siphons. *Spelunca*, ii. pp. 140-142. 1896.
- 2. Album of Views of the Blagodat Iron Mining Works, &c. Obl. 8vo. Moscow, 1897.
- 3. The Nijni-Tagilsk Platinum Works of Prince P. P. Demidov (Urals). Pp. 1-119. 8vo. Perm, 1896. [In Russian.]
- 4. Les Gites d'Or de la Klondike River. *Ann. Mines, Paris*, ser. 9, xii. *Bull.* pp. 451-453. 1897.
- 5. Sondages aux Environs de Lille. *Ann. Soc. géol. Nord*, 1897, xxiv. p. 267. 1897.
- 6. The Fife Coalfield. *Coll. Guard.* lxxii. p. 1202. 1896; lxxiii. pp. 18-19. 1897.
- 7. The Roumanian Petroleum Industry. *Ibid.* lxxii. p. 1206. 1896.
- 8. Ayrshire Coalfield. *Ibid.* lxxiii. pp. 732, 762-763, 807-808. 1897.
- 9. Lanarkshire Coalfield. *Ibid.* lxxiii. pp. 64-65, 112, 157-158, 205, 252, 299-301, 348-349, 394-395, 439-440, 487-488, 535-536, 585-586, 625, 671-672; lxxiv. pp. 873-875. 1897.
- 10. Yorkshire Coalfield. *Ibid.* pp. 945-946, 989-990, 1037-1038, 1129, 1174-1175; lxxiv. pp. 16, 60, 151, 193, 237, 284, 331, 374-375, 465-466. 1897.
- 11. The Geological Survey of the United Kingdom. *Ibid.* lxxiii. pp. 1006-1008. 1897.
- 12. Some Aspects of Warwickshire Geology. *Ibid.* lxxiv. p. 152. 1897.
- 13. Geological Congress. *Ibid.* p. 388. 1897.
- 14. The Heraclea Coalfield. *Ibid.* p. 376. 1897.
- 15. The Geology of the Donetz Coalfield. *Ibid.* p. 420. 1897.
- 16. The Upper Silurian Rocks of South Staffordshire. *Ibid.* p. 464. 1897.
- 17. The Derbyshire Coalfield. *Ibid.* pp. 510-511, 571. 1897.
- 18. The Coal Measures of South Staffordshire. *Ibid.* p. 512. 1897.
- 19. The Coalfields of Queensland. *Ibid.* p. 617. 1897.
- 20. The South Staffordshire Coalfield. *Ibid.* pp. 647, 737, 798, 827, 932, 965, 1005. 1897.
- 21. The Geology of the Moscow Coal Basin. *Ibid.* p. 662. 1897.
- 22. The Palaeozoic Rocks of the Midlands. *Ibid.* p. 711. 1897.
- 23. The Mineral Wealth of Newfoundland. *Ibid.* p. 711. 1897.
- 24. The Carboniferous Rocks of South Staffordshire. *Ibid.* p. 1013. 1897.
- 25. Obituary of L. J. Igelström. *Geol. Fören. Stockh. Förh.* xix. pp. 498-502. 1897.
- 26. Obituary of Edward Drinker Cope. *Geol. Mag.* dec. 4, iv. p. 240. 1897.
- 27. A Western Australian Geologist. Harry Page Woodward. *Ibid.* pp. 385-388, pl. xviii. 1897. And A.C.
- 28. The Discovery of Zircons in Tasmania. *Journ. Soc. Arts*, xlv. p. 697. 1897.
- 29. Petroleum in Japan. *Ibid.* p. 1010. 1897.
- *— 30. Additions to List of Palaeontological Specialists. *Nat. Sci.* x. pp. 122-123. 1897.
- *— 31. The Great Indian Earthquake. *Ibid.* xi. pp. 31-32, pl. viii. 1897.
- *— 32. The International Geological Congress. *Ibid.* xi. pp. 294-296. 1897.
- *— 33. The *Æpyornis* of Madagascar. *Ibid.* xi. pp. 365-366. 1897.

- ANON. 34. The Mouthe Cave, near Saint-Cyprien (Dordogne). *Nature*, lv. pp. 55-56. 1897.
- 35. The Calcutta Earthquake. *Ibid.* lvi. p. 346, fig. 1897.
- 36. Geology at the British Association. *Ibid.* lvi. pp. 484-486. 1897.
- 37. The Jackson-Harmsworth Arctic Expedition. *Ibid.* lvii. p. 40. 1897.
- 38. Rev. Samuel Houghton, M.D. *Ibid.* p. 55. 1897.
- 39. Geologists in Canada. *Ibid.* pp. 62-67, figs. 1897.
- 40. Obituary of M. Forster Hedde, M.D. *Ibid.* pp. 83-84. 1897.
- 41. The Rev. P. B. Brodie. *Proc. Warwick. Field Club*, 1896, pp. i-iii, pl. 1897. And A.C.
- 42. Aluminite from the Salt Range. *Rec. Geol. Surv. India*, xxx. p. 110. 1897.
- 43. Altaite from Upper Burma. *Ibid.* pp. 110-111. 1897.
- 44. Petroleum in Upper Burma. *Ibid.* p. 111. 1897.
- 45. Mud-Volcano in Tipperah. *Ibid.* p. 111. 1897.
- 46. Gold in the Yukon District. *Scot. Geogr. Mag.* xiii. pp. 421-426. 1897.
- 47. British Association Excursion to the Isle of Man. *Yn Lioar Man-ninagh*, iii. pp. 211-223. 1897.
- ARCHENEGG, A. N. von. *Ceratophyllum tertiarium*, Ett. *Mitth. nat. Ver. Steiermark*, 1896, pp. 3-7, pl. 1897.
- ARCTOWSKI, H. Quelques Remarques sur l'intérêt qu'offre pour la Géologie l'Exploration des Régions antarctiques. *Bull. Soc. belge Géol. Brux.* 1895, ix. *Proc. verb.* pp. 175-177, fig. 1897.
- ARMACHEVSKI, P. See SOKOLOV, N.
- ARTINI, E. Intorno alla Composizione mineralogica di due Sabbie del Litorale adriatico. *Rendic. R. Ist. lomb.* ser. 2, xxix. pp. 800-804. 1896.
- *ARZRUNI, A. Die Mineralgruben bei Kussa und Miass. *Guide, VII. Congrès géol. internat.* 1897, no. 4, pp. 1-25, figs. 1897.
- ASHLEY, G. H. Geology of the Palæozoic Area of Arkansas South of the Novaculite Region. *Proc. Am. Phil. Soc.* xxxvi. pp. 217-318, figs. 1897.
- ASTON, Miss E. See LYONS, H. G.
- ATKINSON, J. A. A Locality List of all the Minerals hitherto recorded from Victoria. *Proc. Roy. Soc. Victoria (Aust.)*, n. s. ix. pp. 68-119. 1897.
- ATKINSON, J. B., &c. Home Office. Mines & Quarries in the United Kingdom of Great Britain and Ireland and the Isle of Man. Pp. 1-336. Map. Fol. London, 1896.
- 2. —. —. List of Quarries in the United Kingdom of Great Britain and Ireland and the Isle of Man. Pp. 1-361. Fol. London, 1897.
- 3. —. —. List of Mines in the United Kingdom of Great Britain and Ireland, with the Isle of Man, for the year 1896. With an Appendix showing the production of Minerals in the British Colonies, Possessions, & Dependencies. Pp. 1-331. 2 maps. Fol. London, 1897.
- 4. —. —. List of the Plans of Abandoned Mines deposited in the Home Office under the Coal and Metalliferous Mines Regulation Acts, including Plans transferred from the late 'Mining Record Office.' Pp. 1-91. Fol. London, 1897.
- 5. —. —. 1896. Summaries of Statistics relating to the Mines and Quarries in the United Kingdom and the Isle of Man. Pp. 1-30, 2 maps. Fol. London, 1897.
- ATKINSON, W. N. See ATKINSON, J. B., &c.
- ATWOOD, W. W. See SALISBURY, R. D.
- BACHTOLD, C. A. See NÜESCH, J., &c.
- BÄCKSTRÖM, H. Thaumastit från Skottvång i Gäsinge Socken af Nyköpings Län. *Geol. Fören. Stockh. Förh.* xix. pp. 307-310. 1897.
- 2. Krystallform des Iridiumtetraminrichlorid. *Zeitschr. f. Kryst.* xxviii. p. 312. 1897.
- BAGG, R. M. See CLARK, W. B.
- BAILEY, E. H. S. Natural Gas and Coal Oil in Kansas. *Kansas Univ. Quart.* iv. pp. 1-14. 1895.
- 2. On the Composition of the Louisville Mineral Water. *Ibid.* vi. pp. 117-119. 1897.
- , & W. M. WHITEN. On the Chemical Composition of some Kansas Gypsum Rocks. *Ibid.* vi. pp. 29-36. 1897.
- BAILEY, L. W. Some Nova Scotian Illustrations of Dynamical Geology. *Proc. & Trans. N. S. Inst. Sci.* ix. pp. 180-194, pls. vii-ix. 1896.
- BAIN, A. G. Reminiscences and Anecdotes connected with the History of Geology in South Africa, or the Pursuit of Knowledge under Difficulties. *Trans. Geol. Soc. S. A.* ii. pp. 59-75, pl. 1897.

- BAIN, H. F. Geology of Washington County. *Ann. Rep. Iowa Geol. Surv.* 1895, v. pp. 113-240, figs., pl. iii., & map. 1896.
- 2. Geology of Woodbury County. *Ibid.* pp. 241-299, figs., pls. v-vi., & map. 1896.
- 3. Geology of Appanoose County. *Ibid.* pp. 361-438, figs., pls. xi-xiv., & map. 1896.
- 4. A Sketch of the Geology of Mexico. *Journ. Geol. Chicago*, v. pp. 384-392. 1897.
- 5. Machine Coal Mining in Iowa (U.S.A.). *Trans. Fed. Inst. M.E.* xiii. pp. 478-489. 1897.
- BAIN, R. D. See ATKINSON, J. B., &c.
- BALL, J. The Serpentine and Associated Rocks of Davos. Pp. 1-47, pls. i-vi. [Map, N. of Davos, $\frac{1}{50,000}$.] 8vo. Zürich, 1897.
- BALL, T. H. Extinct Fauna of Lake County. *Proc. Indiana Acad. Sci.* 1894, pp. 54-57. 1895.
- BALLINGER, J., F. T. HOWARD, &c. Cardiff: an illustrated Handbook. Pp. i-vi, 1-245, & i-xiv, figs., 28 pls. [Map, 1 inch = 4 miles.] 8vo. Cardiff, 1896.
- BALTZER, A. Bericht über die Excursion IX im Berner Oberland und Gotthardmassiv. *Congrès géol. internat.* 1894, vi. pp. 454-465. 1897.
- 2. Bemerkungen zu den Berner Oberlandprofilen des Herrn Prof. H. Golliez im 'Livret-Guide géologique de la Suisse, 1894.' *Ibid.* pp. 466-468. 1897.
- 3. Vom Rande der Wüste. *Mitth. naturf. Gesellsch. Bern*, 1895, pp. 13-37, pls. i-iii. 1896.
- 4. Der diluviale Aargletscher und seine Ablagerungen in der Gegend von Bern mit Berücksichtigung des Rhonegletschers. *Beitr. geol. Karte Schweiz*, xxx. pp. i-vii, 1-168, figs., pls. i-vii. & Map of Bern, $\frac{1}{25,000}$, also $\frac{1}{1,000,000}$. 1896.
- 5. Der diluviale Aar- und Rhonegletscher. [Map, $\frac{1}{1,000,000}$.] *Zeitschr. deutsch. geol. Gesellsch.* xlvi. pp. 652-664, pl. xvi. 1896.
- 6. Murgang von Kienholz (Lammbach). *Eclogæ Geol. Helv.* v. p. 9. 1897.
- 7. Zur Entstehung der Alpenseen. *Ibid.* pp. 215-218. 1897.
- 8. Nachträge zum Interglacial von Pianico-Sellere. *N. J. f. Min.* 1897, pp. 101-104. 1897. [See FISCHER, E.]
- BAMBERGER, M. On the Discovery of Argon in the Water of an Austrian Well [Pescholdsdorf, near Vienna]. *Rep. Brit. Assoc.* 1896, lxvi. pp. 757-758. 1896.
- BARATTA, M. Il Sismoscopio Cavalli (1784). *Atti Soc. tosc. Sci. nat.* x. pp. 191-192, fig. 1896.
- BARBOT, J. Grottes de la Vallée du Lot (Lozère). *Spelunca*, ii. pp. 133-135, fig. 1896.
- BARBOUR, E. H. The Deposits of Volcanic Ash in Nebraska. *Proc. Nebraska Acad. Sci.* 1894-95, no. v. pp. 12-17, figs. 1896. A.C.
- 2. The Diatomaceous Deposits of Nebraska. *Ibid.* 1894-95, no. v. pp. 18-19, figs. 1896. A.C. [See ELMORE, C. J.]
- 3. Progress made in the Study of *Dæmonelix*. *Ibid.* 1894-95, no. v. pp. 24-28, figs. 1896. A.C.
- 4. The Deposits of Volcanic Ash in Nebraska. *Ibid.* no. v. 1894-95, pp. 12-17, figs. 1896. A.C.
- 5. Progress made in the Study of *Dæmonelix*. *Ibid.* pp. 24-28. 1896. A.C.
- 6. Nature, Structure, and Phylogeny of *Dæmonelix*. *Bull. Geol. Soc. Am.* viii. pp. 305-314, pls. xxxi-xxxix. 1897. And A.C.
- 7. The Problem of our Soils and Soil Moisture. *Rep. Geol. Nebraska State Board Agric.* 1896, pp. 157-172, figs. 1896. A.C.
- 8. History of the Discovery and Report of Progress in the Study of *Dæmonelix*. *Univ. Studies, Nebraska Univ.* ii. pp. 1-44, figs., pls. i-xviii. 1897. A.C.
- BARLOW, A. E. On the Occurrence of Cancrinite in Canada. *Canad. Rec. Sci.* vii. p. 228. 1897.
- 2. See ADAMS, F. D.
- BARLOW, W. Ueber homogene Structuren und ihre symmetrische Theilung, mit Anwendung auf die Krystalle. *Zeitschr. f. Kryst.* xxvii. pp. 449-467, pls. iv. & v. 1896.
- 2. Die Beziehung der im amorphen und krystallinischen Zustande auftretenden Circularpolarisation zu Symmetrie und Theilung homogener Structuren, d. h. der Krystalle. *Ibid.* xxvii. pp. 468-476. 1896.
- 3. The Relation of Circular Polarization, as occurring both in the Amorphous and Crystalline States, to the Symmetry and Partitioning of Homogeneous Structures, *i. e.* of Crystals. *Lond. Edinb. Dubl. Phil. Mag.* ser. 5, xliii. pp. 110-117. 1897.

- BARNES, J., & W. F. HOLROYD. Some Experiments with regard to Effects of Pressure upon Decaying Vegetable Matter. *Trans. Manch. Geol. Soc.* xxv. pp. 114-116. 1897.
- , — 2. On the Occurrence of a Sea-Beach at Castleton, Derbyshire, of Carboniferous Limestone Age. *Ibid.* pp. 119-125, 4 pls. 1897.
- , — 3. Further Notes on the Sea-Beach in Carboniferous Limestone, Derbyshire. *Ibid.* pp. 181-184, 1 pl. 1897.
- , — 4. On the Occurrence of Lamellibranchiata, Gasteropoda, and Cephalopoda in the Millstone Grit of South Yorkshire. *Ibid.* pp. 184-191, 3 pls. 1897.
- , — 5. Reply to Prof. Hull's Criticism on the Paper on 'A Sea-Beach at Castleton.' *Ibid.* pp. 303-310. 1897. [See HULL, E.]
- BARR, W. B. From the Mersey to the Severn on a Bicycle. *Journ. Liverp. Geol. Assoc.* xvi. pp. 26-35. 1896.
- BARROIS, C. Légende de la Feuille de Saint-Nazaire. (No. 104 de la Carte géologique de France au $\frac{1}{80,000}$.) *Ann. Soc. géol. Nord*, xxiv. pp. 137-160. 1896. And A.C.
- 2. Sur les Phénomènes littoraux actuels du Morbihan. *Ibid.* pp. 182-226, pl. iv. [Map $\frac{1}{500,000}$.] And A.C.
- 3. Sur la Répartition des Îles méridionales de Bretagne et leurs Relations avec les Failles d'étirement. *Ibid.* 1897, xxvi. pp. 2-16, pl. i. 1897. And A.C.
- 4. Légende de la Feuille de Quiberon. (No. 103 de la Carte géologique de France au $\frac{1}{80,000}$.) *Ibid.* 1897, xxvi. pp. 17-33. 1897. And A.C.
- 5. Note sur l'Extension du Limon quaternaire en Bretagne. *Ibid.* 1897, xxvi. pp. 33-44, fig. 1897. And A.C.
- 6. Feuilles de Belle-Ile et de Quiberon. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 41-44, fig. 1897.
- 7. Sur les Phénomènes littoraux du Morbihan. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 801-802. 1897.
- 8. See MICHEL-LÉVY, A., &c.
- BARTHOLIN, C. See RORDAM, K.
- BARTOLI, A. Sopra alcuni Data termici riguardanti la Fisica terrestre (Misura della Temperatura, della Capacità calorifica delle Lave e del Calore da loro emesso nelle Eruzioni. *Rendic. R. Ist. lomb.* ser. xxix. pp. 363-367, figs. 1896.
- BARTON, G. H. Evidence of the Former Extension of Glacial Action on the West Coast of Greenland and in Labrador and Baffin Land. *Am. Geol.* xviii. pp. 379-384. 1896. And A.C.
- 2. Lieutenant Peary's Expedition. *Science*, n. s. v. pp. 308-310. 1897. A.C.
- 3. The Scientific Work of the Boston Party on the Sixth Peary Expedition to Greenland. Report B. Glacial Observations in the Umanak District, Greenland. *Technol. Quart. Boston*, x. pp. 213-244, figs., 13 pls. 1897. A.C.
- *BASCOM, Miss F. The Relation of the Streams in the Neighbourhood of Philadelphia to the Bryn Mawr Gravel. *Am. Geol.* xix. pp. 50-57, pl. ii. 1897.
- 2. Aporhyolite of South Mountain, Pennsylvania. *Bull. Soc. Geol. Am.* viii. pp. 393-396. 1897.
- BASSI, F. See FORNASINI, C.
- BATHER, F. A. *Apiocrinus recubariensis* from the Muschelkalk, a Primitive *Millericrinus*. *Geol. Mag.* dec. 4, iv. pp. 116-123, figs. 1897.
- 2. *Hapalocrinus Victoriae*, n. sp., Silurian, Melbourne, and its Relation to the Platycrinidae. *Ibid.* pp. 337-345, fig. 1897.
- *— 3. Cope's 'Factors of Evolution.' *Nat. Sci.* x. pp. 37-46. 1897.
- BAUER, M. Chrysoberyllkrystall von Ceylon. *N. J. f. Min.* 1897, i. pp. 106-108, figs. 1897.
- 2. Das Marmorlager von Auerbach an der Bergstrasse. *Ibid.* 1897, i. p. 220. 1897.
- 3. Das Vorkommen des Jadeits von 'Tibet.' *Ibid.* 1897, i. pp. 258-259. 1897.
- BAUERMAN, H. See BEDSON, P. P., &c.
- BAUMBERGER, E. See SCHARDT, H.
- BAUMHAUER, H. Quelques Minéraux du Binnenthal (Valais). [Rathite, Binnite.] *C. R. Soc. helv. Sci. nat.* 1896, pp. 130-132. 1896.
- 2. Mineralien des Binnenthal. *Ecologæ Geol. Helv.* v. p. 15. 1897.
- 3. Neue Beobachtungen am Binnit und Dufrenoyisit. *Zeitschr. f. Kryst.* xxviii. pp. 545-552, pl. ix. 1897.
- BAY, E. See HARTZ, N.
- BAYLEY, W. S. A Summary of Progress in Petrography in 1896. 8vo. Waterville (Me.). 1897. A.C.

- BEASLEY, H. C. Observations upon some of the Footprints from the Trias in the Neighbourhood of Liverpool. *Rep. Brit. Assoc.* 1896, lxvi. pp. 779-780. 1896.
- BEAUGRAND, C. Considérations sur l'Enseignement de la Géologie. *Bull. Soc. géol. Norm.* xvii. (pp. 1-14). 1896. A.C.
- *BECKE, F. Ueber Zonenstructuren der Krystalle in Erstarrungsgesteinen. *Min. petr. Mitth.* n. s., xvii. pp. 97-105. 1897.
- BECKENKAMP, J. Zur Symmetrie der Krystalle. *Zeitschr. f. Kryst.* xxvii. pp. 583-585, xxviii. pp. 69-162, figs., pls. i. & ii. 1897.
- BECKER, G. F. Some Queries on Rock Differentiation. *Am. Journ. Sci.* ser. 4, iii. pp. 21-40. 1897. And A.C.
- 2. Fractional Crystallization of Rocks. *Ibid.* iv. pp. 257-261, fig. 1897.
- BÉCLARD, F. Catalogue synonymique et critique des Spirifères du Dévonien inférieur. *Bull. Soc. belge Géol. Brux.* 1895, ix. *Mém.* pp. 260-288. 1896.
- BEDSON, P. P., &c. Report on the Proximate Constituents of Coal. *Rep. Brit. Assoc.* 1896, lxvi. pp. 340-346. 1896.
- *BEECHER, C. E. James Dwight Dana. *Am. Geol.* xvii. pp. 1-16, pl. i. 1896.
- 2. On the Validity of the Family Bohemillidae, Barrande. *Ibid.* xvii. pp. 360-362, figs. 1896. A.C.
- 3. On the Occurrence of Silurian Strata in the Big Horn Mountains, Wyoming, and in the Black Hills, South Dakota. *Ibid.* xviii. pp. 31-33. 1896. A.C.
- 4. Outline of a Natural Classification of the Trilobites. *Am. Journ. Sci.* ser. 4, iii. pp. 89-106, 181-207, pl. iii. 1897. And A.C.
- 5. Development of the Brachiopoda. III. Morphology of the Brachia. *Bull. U.S. Geol. Surv.* no. 87, pp. 105-112. 1897. A.C.
- 6. See KINGSLEY, J. S.
- BELINFANTE, L. L. Index to Volumes 1-50. [1845-1894] of the Quarterly Journal of the Geological Society. Parts 1 & 2. A-Z. *Q. J. G. S.* no. 200 a & b, pp. 1-427. 1897.
- BELL, A. A Synopsis of the Crustacea and Echinodermata of the Upper Tertiaries. *Ann. Rep. Yorks. Phil. Soc.* 1896, pp. 1-12. 1897.
- 2. Tertiary Deposits in North Manxland. *Rep. Brit. Assoc.* 1896, lxvi. p. 783. 1896.
- BELL, D. On the Origin of certain Granite Boulders in the Clyde Valley. *Trans. Geol. Soc. Glasgow*, x. pp. 16-24, fig. [map]. 1895.
- 2. On the Alleged Proofs of Submergence in Scotland during the Glacial Epoch. II. Clava and other Northern Localities. *Ibid.* x. pp. 105-120, figs. [map]. 1895.
- 3. On the High-level Shelly Deposits and their Bearing on the Question of Submergence; with Special Reference to the Recent (Third) Edition of Dr. James Geikie's 'Great Ice-Age.' *Ibid.* x. pp. 346-348. [Abstract.] 1896.
- 4. The 'Great Submergence' again: Clava, etc. *Geol. Mag.* dec. 4, iv. pp. 27-30, 63-68. 1897. And A.C.
- , J. FRASER, J. HORNE, & D. ROBERTSON. The Character of the High-level Shell-bearing Deposits in Kintyre. [Maps.] *Rep. Brit. Assoc.* 1896, lxvi. pp. 378-389, figs. 1896.
- BELL, SIR I. L. See BEDSON, P. P., &c.
- BELL, R. Evidences of North-easterly Differential Rising of the Land along Bell River. *Bull. Geol. Soc. Am.* viii. pp. 241-250, fig., pls. xxiii-xxiv. [maps]. 1897.
- 2. Recent Explorations to the South of Hudson Bay. *Geogr. Journ.* x. pp. 1-17, figs. [Map, 1 inch = 11'83 miles.] 1897.
- BELL, T. Further Remarks on the Durham and Cleveland Salt District. *Trans. Manch. Geol. Soc.* xxv. pp. 69-81. 1897.
- *BELLOC, É. Les Lacs de Lourdes et de la Région sous-pyrénéenne. *C. R. Assoc. franc. Av. Sci.* 1896, xxv. pt. 2, pp. 642-652, figs. 1897.
- *BENASSI, P. Pianta ed Insetti fossili di Re in Val Vigezzo. *Riv. ital. Paleont.* ii. pp. 315-320. 1896.
- BENECKE, E. W. Geologische Uebersichtskarte von Elsass-Lothringen. [$\frac{1}{500,000}$] Strassburg, 1892.
- *BERENDT, G. Der tiefere Untergrund Berlins. *Abh. k.-preuss. geol. Landesanst.*, n. s., no. 28, pp. 1-59, pls. 1-7 & map [$\frac{1}{25,000}$]. 1897.
- BERGEAT, A. Mineralogische Mittheilungen über den Stromboli. *N. J. f. Min.* 1897, ii. pp. 109-123, pls. i. & ii. [Map $\frac{1}{70,000}$]. 1897.
- 2. A. W. Stelzner's Ansicht von der systematischen Zugehörigkeit der Granat-Blauglänzlagerstätten von Broken Hill. *Zeitschr. f. prakt. Geol.* 1897, pp. 314-316. 1897.

- BERGERON, J. Feuille de Bédarieux. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 64-67. 1897.
- 2. Possible Extensions of the Coalfields of France. *Trans. Fed. Inst. M.E.* xii. pp. 335-357, pl. xix. [maps]. 1897.
- 3. See MICHEL-LÉVY, A.
- BERGHELL, H. Bidrag till Kännedomen om södra Finlands kvartära Nivåförändringar. *Fennia*, xiii. no. 2, pp. 1-64, figs., pl. [Map, $\frac{1}{400,000}$]. 1896.
- BERKEY, C. P. See WINCHELL, N. H.
- BERNARD, F. The Principles of Palæontology. *Ann. Rep. N.Y. Geol. Surv.* xiv. pp. 127-215. 1896; & *Ann. Rep. N.Y. State Mus.* xlviii. pt. 2, pp. 127-215. 1896.
- 2. Sur la Morphologie et le Développement de la Charnière chez des Lamellibranches. *C. R. Soc. géol. France*, 1896, pp. xxvi-xxviii. 1896.
- 3. Sur le Développement de divers Types d'Acéphales d'Anisomyaires. *Ibid.* pp. cii-ciii. 1896.
- 4. Troisième Note sur le Développement et la Morphologie de la Charnière chez les Lamellibranches (Anisomyaires). *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 412-449, figs. 1896.
- *BERNARD, H. M. Fossil Apodidæ. *Nat. Sci.* xi. pp. 397-403. 1897.
- BERNAYS, É. Une Coquille nouvelle [*Capulus fallax*] pour les Sables à *Isocardia cor* d'Anvers. *Bull. Soc. belge Géol. Brux.* 1895, ix. *Proc. verb.* p. 174. 1897.
- BERTOLIO, S. Contribuzione allo Studio dei Terreni vulcanici di Sardegna. *Boll. R. Com. geol. Ital.* xxvii. pp. 181-203. 1896.
- 2. Appunti geologico-minerari sull' Isola di San Pietro (Sardegna). *Ibid.* pp. 405-421, pl. v. [Map, $\frac{1}{50,000}$]. 1896.
- 3. Sur les Formations volcaniques de Sardaigne. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 496-500, fig. 1896.
- BERTRAND, C. E. Nouvelles Remarques sur le Kerosene Shale de la Nouvelle-Galles du Sud. *Ann. Soc. géol. Nord*, xxiv. pp. 161-164. 1897.
- 2. Caractéristiques d'un Charbon à Gaz, trouvé dans le Northern Coalfield de la Nouvelle-Galles du Sud. *C. R. Acad. Sci. Paris*, cxxv. pp. 984-985. 1897.
- BERTRAND, J., & c. Discours prononcés aux Funérailles de M. Auguste Daubrée le 1er Juin, 1896. 8vo. Paris, 1897.
- BERTRAND, L. Étude géologique du Nord des Alpes-Maritimes. *Bull. Serv. Carte géol. France*, ix. no. 56, pp. 1-214, figs., pls. i-viii. [Maps, $\frac{1}{520,000}$ & $\frac{1}{200,000}$]. 1896.
- 2. Feuille de Saint-Martin-Vésubie. *Ibid.* no. 59, pp. 114-115. 1897.
- BERTRAND, M. Réponse au sujet des Dômes à Déversement périphérique. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 763-765. 1896.
- 2. Sur les Schistes du Mont Jovet (près de Moutiers-en-Tarentaise). *C. R. Soc. géol. France*, 1896, pp. xlvii-xlviii. 1896.
- 3. Réponse à M. Fournier. *Ibid.* 1896, pp. ccliii-cclv. 1896.
- 4. Étude sur le Gisement de la Caunette et sur le Traitement de ses Minerais. *Ann. Mines Paris*, ser. 9, xi. pp. 597-636, pls. xi. & xii. [Map, $\frac{1}{60,000}$]. 1897.
- 5. Note on the Extensions of the Coalfield of the North of France. *Trans. Fed. Inst. M. E.* xiii. pp. 583-584. 1897.
- 6. Structure des Alpes françaises et Réurrence de certains Faciès sédimentaires. *C. R. Congr. géol. internat.* 1894, vi. pp. 161-177. 1897.
- See SUESS, E.
- *BERWERTH, F. Mikroskopische Structurbilder der Massengesteine in farbigen Lithographien. Lief. ii. 8 pls. 4to. Stuttgart, 1897.
- BEUSHAUSEN, L., & A. DENCKMANN. Das Schalsteinconglomerat von Langen-
aubach. *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi. *Abh. Mitarb.* pp. 72-73. 1896.
- , —, E. HOLZAPFEL, und E. KAYSER. Bericht über eine gemeinschaftliche Studienreise. [Kellerwald (Nassau).] *Ibid.* 1896, xvii. *Abh. Mitarb.* pp. 277-280. 1897. A.C.
- , —, & M. KOCH. Neue Beobachtungen aus dem Unterharz. *Ibid.* 1895, xvi. *Abh. Mitarb.* pp. 126-130. 1896.
- *BEYER, E. Beitrag zur Kenntniss der Fauna des Kalkes von Haina bei Waldgirmes (Wetzlar). *Ver. naturh. Verh. preuss. Rheinl.* liii. pp. 56-102, pls. i-iii. 1896.
- BEYER, S. W. Geology of Boone County. *Ann. Rep. Iowa Geol. Surv.* 1895, v. pp. 117-239, figs., pl. iv., & maps. 1896.
- BEYRICH, E., W. HAUCHECOENE, & c. Carte géologique internationale de l'Europe. $\frac{1}{1,500,000}$ Part 2. Sheets A v, A vi, B v, B vi, C vi. [Spain & Portugal, France, Italy, North Africa.] Berlin, 1896.

- BEYSCHLAG, F. Der Goldbergbau Schellgaden in den Lungauer Tauern. *Zeitschr. f. prakt. Geol.* 1897, pp. 210-212. 1897.
- 2. Die Eisenerze des Vogelsbergs. *Ibid.* 1897, pp. 337-338 fig. 1897.
- BIBBINS, A. See CLARK, W. B.
- BIDOT, —, & — CHEVROT. Exploration du Trou des Gangônes, etc. (Jura), 1896-97. *Spelunca*, iii. pp. 101-112, figs. 1897.
- BIGOT, A. Notes sur les Reptiles jurassiques de Normandie. *Bull. Soc. géol. Norm.* xvii. pp. 1-13, pls. i & ii. 1896. A.C.
- 2. Catalogue des Sélaciens jurassiques du Calvados et de l'Orne. *Bull. Soc. Linn. Norm.* ser. 4, x. pp. 7-13. 1896.
- 3. Sur des Reptiles jurassiques du Calvados. *C. R. Soc. géol. France*, 1896, pp. lxxviii-lxx. 1896.
- 4. Sur les Dépôts pléistocènes et actuels du Littoral de la Basse Normandie. *C. R. Acad. Sci. Paris*, cxxv. pp. 380-382. 1897.
- 5. Feuille de Mayenne. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 43-47. 1897.
- BILLWILLER, R. Bericht der Erdbebenkommission für das Jahr 1895-96. *Verh. schweiz. naturf. Gesellsch.* 1896, pp. 253-254. 1896.
- 2. — 1894-95. *Ibid.* pp. 102-103. 1896.
- BINNIE, A. R. The Tunnel under the Thames at Blackwall. *Proc. Roy. Inst. Gt. B.* xv. pp. 81-94. 1897.
- BINNIE, J. On the Occurrence of Peat with Arctic Plants in Boulder Clay at Faskin, near Airdrie, Lanarkshire. *Trans. Geol. Soc. Glasgow*, x. pp. 148-152. 1895.
- BINNS, G. J. Notes on Borings at Netherseal, Ashby-de-la-Zouch, Leicestershire. *Trans. Fed. Inst. M. E.* xiii. pp. 595-597, pl. xxv. 1897. [See FOX-STRANGWAYS, C.; see WATTS, W. W.]
- , & G. HARROW. On the Occurrence of certain Minerals at Netherseal Colliery, Leicestershire. *Ibid.* pp. 252-254. 1897.
- BIRKINBINE, J. See DAY, D. T.
- BISHOP, MRS. I. A Journey in Western Sze-chuan. *Geogr. Journ.* x. pp. 19-50, figs. 1897.
- BITTNER, A. Geologisches aus dem Pielachthale nebst Bemerkungen über die Gliederung der alpinen Trias. *Verh. k.-k. geol. Reichsanst.* 1896, pp. 385-418, figs. 1896. And A.C.
- 2. Ueber die Auffindung der Fauna des Reichenhaller Kalkes im Gutensteiner Kalke bei Gutenstein. *Ibid.* 1897, pp. 201-202. 1897.
- 3. Vorschläge für eine Normirung der Regeln der stratigraphischen Nomenclatur. *Congrès géol. internat. Mém.* no. 1, pp. 1-8. 1897.
- BIZET, P. Région de la Flèche. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 47-49. 1897.
- BLAAS, J. Ueber die Lage der Schnittlinie von Terrainflächen und geologischen Ebenen. *Jahrb. k.-k. geol. Reichsanst.* xvi. pp. 269-278, pl. ii. 1896.
- BLAKE, J. F. On some Superficial Deposits in Cutch. *Q. J. G. S.* liii. p. 223-243, figs. [Map.] 1897.
- BLAKE, W. P. Gold in Granite and Plutonic Rocks. *Trans. Am. Inst. M. E.* xxvi. pp. 290-298. 1897.
- *BLATCHLEY, W. S. The Natural Resources of Indiana. *Ann. Rep. Dep. Geol. etc. Indiana*, xxi. 1896, pp. 7-25. 1897.
- *— 2. The Petroleum Industry in Indiana. *Ibid.* pp. 27-96, figs., pl. i. & map, 1 inch = 2 miles. 1897.
- *— 3. Indiana Caves and their Fauna. *Ibid.* pp. 121-212, figs., pls. iv-xiii. 1897.
- BLAYAC, J. Sur les Terrains tertiaires de la Vallée de l'Oued Cherf (Constantine). *C. R. Soc. géol. France*, 1896, pp. cxxix-cxxx. 1896.
- 2. Feuille de Montauban. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 74-75. 1897.
- 3. See MICHEL-LÉVY, A.
- BLEICHER, —, & — MEIG. Sur un Gisement callovien découvert aux Environs de Winckel (Massif jurassique de Ferrette). *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 805-807. 1897; & *C. R. Soc. géol. France*, 1896, pp. cclxviii-cclxx. 1896.
- BOCKH, J. Am Ende des Millenniumsjahres. II. Kurze Geschichte der Entwicklung der Geologie in Ungarn vom Jahre 1774-1896. *Földt. Közl.* xxvii. pp. 4-15, 109-122. 1897. [See STAUB, M.]
- 2. Directions-Bericht. *Jahresb. k.-ung. geol. Anst.* 1894, pp. 1-40. 1897.
- 3. Daten zur Kenntniss der geologischen Verhältnisse im oberen Abschnitte des Iza-Thales mit besonderer Berücksichtigung der dortigen Petroleumführenden Ablagerungen. *Mitth. Jahrb. k.-ung. geol. Anst.* xi. pp. 1-93, pl. i. [Map, $\frac{1}{75,000}$.] 1897.

- BODE, G. 1. Vorkömmnisse aus dem mittleren Lias bei Schandelah. 2. Ammoniten aus dem braunen Jura vom Berge Greben. *Jahresb. Ver. Naturw. Braunschweig*, x. pp. 187-191. 1897.
- 2. Die Egoceratiden. *Ibid.* pp. 193-199. 1897.
- 3. Gliederung des braunen Jura in Norddeutschland. *Ibid.* pp. 208-209. 1897.
- BODENBENDER, W. Devon y Gondwana en la Republica argentina. Las Formaciones sedimentarias de la Parte noroeste. *Bol. Acad. Nac. Cienc. Cordoba*, xv. pp. 201-254, 1 tab. & 2 pls. [Map, Prov. San Juan and La Rioja.] 1897. And A.C.
- 2. Beobachtungen über Devon- und Gondwana Schichten in der Argentinischen Republik. *Zeitschr. deutsch. geol. Gesellsch.* 1896, xlviii. pp. 743-772. 1897.
- BODMER-BEDER, A. Die Erzlagerstätten der Alp Puntaiglas im Bündner Oberland und ihre Felsarten. *N. J. f. Min.* xi. Beilage-Band, pp. 217-258, figs., pls. vii-x. 1897.
- BOEGAN, E. Les Grottes de Corniale, d'Obrou et de Padric' (Istrie). *Spelunca*, iii. pp. 43-52, 1 pl., figs. 1897.
- BOGINO, F. I Mammiferi fossili della Torbiera di Trana. *Boll. Soc. geol. ital.* xvi. pp. 16-54, pls. i-iii. 1897.
- BOGOSŁOWSKY, N. A. Einige neue Data über den Rjasanschen Horizont. *Verh. russ.-k. min. Gesellsch.* ser. 2, xxxiv. pp. 161-164. 1895.
- 2. Der Rjasan-Horizont, seine Fauna, seine stratigraphischen Beziehungen und sein wahrscheinliches Alter. *Mater. Geol. Russ.* xviii. pp. 1-157, pls. i-vi. 1897.
- BÖHM, G. Ueber *Bihippurites*. *Zeitschr. deutsch. geol. Gesellsch.* xlviii. pp. 686-688, figs. 1896.
- 2. Beitrag zur Gliederung der Kreide in den Venetianer Alpen. *Ibid.* xlix. pp. 160-181, figs., pls. iv-vi. 1897.
- BOLTON, H. The Geology of North-east Lancashire. *Coll. Guard.* lxxiv. p. 212. 1897.
- 2. Descriptions of New Species of Brachiopoda and Mollusca from the Millstone Grit and Lower Coal Measures of Lancashire. *Mem. Manch. Lit. Phil. Soc.* xli. no. 6, pp. 1-7, pl. v. 1897.
- BONARELLI, G. Osservazioni geologiche sui Monti del Furlo, presso Fossombrone (Prov. di Pesaro-Urbino). *Boll. Soc. geol. ital.* xv. pp. 414-422. 1896.
- See PARONA, C. F.
- BONNEY, T. G. Note on an 'Ovenstone' (Talcose Schist) from Zinal, Canton Valais. *Geol. Mag.* dec. 4, iv. pp. 110-116, fig. 1897.
- 2. Obituary of Samuel Allport. *Ibid.* pp. 430-431. 1897.
- 3. On some Rock-Specimens from Kimberley, South Africa. *Ibid.* pp. 448-453, 497-502. 1897.
- 4. An Outline of the Petrology and Physical History of the Alps. *Proc. Geol. Assoc.* xli. pp. 1-18. 1897.
- 5. Additional Note on the Sections near the Summit of the Furka Pass (Switzerland). *Q. J. G. S.* liii. pp. 16-20, figs. 1897.
- See LEWIS, H. C.
- BONSDORFF, A. Die säculäre Hebung der Küste bei Reval, Libau und Ust-Dwinsk (Dünamünde). *Fennia*, xii. no. 6, pp. 1-16. 1896.
- BORDEAUX, A. Études sur les Champs aurifères de Lydenburg, De Kaap et du Charterland (Afrique du Sud). *Ann. Mines, Paris*, ser. 9, xi. pp. 273-349, pl. vi. [Maps, De Kaap and Komati, $\frac{1}{600,000}$; Gold-districts of Charterland, $\frac{1}{5,500,000}$], pl. vii. [Map, Lydenburg, $\frac{1}{200,000}$]. 1897.
- BÖSE, E. Zur Kenntniss der Schichtenfolge im Engadin. *Zeitschr. deutsch. geol. Gesellsch.* 1896, xlviii. pp. 557-631, figs. 1896.
- 2. Ueber das Verhältniss von *Koninckina*, Suess, zu *Koninckella*, Munier-Chalmas. *Ibid.* pp. 925-931, figs. 1897.
- , & G. DE LORENZO. Geologische Beobachtungen in der südlichen Basilicata und dem nordwestlichen Calabrien. *Jahrb. k.-k. geol. Reichsanst.* xli. pp. 235-268, figs. 1896.
- BOSS, C. M. Some Dyke Features of the Gogebic Iron Range. *Coll. Guard.* lxxiv. p. 876. 1897.
- BOTTO-MICCA, L. Contribuzione allo Studio degli Echinidi terziarii del Piemonte (Famiglia Spatangidi). *Boll. Soc. geol. ital.* xv. pp. 343-375, pl. x. 1896.
- BOUDOARD, —. See SCHÜTZENBERGER, —.
- BOULE, M. Note préliminaire sur les Débris de Dinosauriens envoyés au Muséum par M. Bastard. *Bull. Mus. Hist. nat. Paris*, 1896, pp. 347-351. 1896.

- BOULE, M. 2. Sur l'Origine géologique des Lacs de l'Auvergne et du Velay. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 759-760. 1896; & *C. R. Soc. géol. France*, 1896, pp. ccl-ccli. 1896.
- 3. Sur le Gisement de Mammifères quaternaires de Hem-Monacu (Somme). *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 879-881, fig. 1897.
- 4. Sur le *Cadurcotherium*. *C. R. Soc. géol. France*, 1896, pp. lxxxviii-lxxxix. 1896.
- 5. Le Cantal miocène. *Bull. Serv. Carte géol. France*, viii. no. 54, pp. 1-36, figs., pls. i-ii. [Map, Goul Valley (Cantal), $\frac{1}{80,000}$.] 1896.
- 6. Révision du Cantal au $\frac{1}{320,000}$. *Ibid.* ix. no. 59, pp. 55-56. 1897.
- 7. Feuille de Figeac. *Ibid.* pp. 57-58. 1897.
- 8. Feuille de Privas. *Ibid.* pp. 92-93. 1897.
- BOURDARIAT, A. J. Formation d'un nouveau Cône sur le Vésuve. *Bull. Soc. belge Géol. Brux.* 1895, ix. *Proc. verb.* pp. 83-85, fig. 1896.
- BOURGEAT, —. Sur certaines Particularités de la Combe des Prés dans le Jura. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 489-493, figs., 1896; & *C. R. Soc. géol. France*, 1896, p. cxv. 1896.
- BOURNE, F. S. A. The New Rapid on the Yang-tse-kiang, Sze Chuen (China). *Geogr. Journ.* x. pp. 191-195, fig. [Map, 1 inch = 200 yards.] 1897.
- BOUVIER, E. L., & H. FISCHER. Sur l'Organisation et les Affinités des Pleurotomaires. *C. R. Acad. Sci. Paris*, cxxiv. pp. 695-697. 1897.
- * —, — 2. On the Organization and Affinities of *Pleurotomaria*. *Ann. Mag. Nat. Hist.* ser. 6, xix. pp. 583-584. 1897.
- BOYD, W. C. Journey from Western Australia to Warina, in South Australia. *Geogr. Journ.* ix. pp. 61-62. 1897.
- BOYLE, J. R. The Erosion of the Holderness Coast. *Trans. Hull Geol. Soc.* iii. pp. 16-17. 1897.
- BRADFORD, W. 'Indicators.' [Pyritic Seams and Gold Occurrences, Ballarat East.] *Trans. Aust. Inst. M.E.* iv. pp. 121-123, 8 pls. 1897.
- BRADY, F. The Dover Coalfield. *Coll. Guard.* lxxiii. p. 734. 1897.
- , G. P. SIMPSON, & NATH. R. GRIFFITH. The Kent Coalfield. *Trans. N. Engl. Inst. Min. & Mech. Engin.* xlv. pp. 262-270, pl. xxix. [Map, 1 inch = 13 miles.] 1896.
- BRAINERD, E., & H. M. SEELY. The Chazy of Lake Champlain. *Bull. Am. Mus. Nat. Hist. N.Y.* viii. pp. 305-315, figs. [Maps, Lake Champlain (N.Y. & Vt.).] 1896.
- BRANCO, W. Ueber die Entstehung der vulkanischen Durchbohrungskanäle im Gebiete von Urach. *Jahresh. Ver. Naturk. Württ.* liii. pp. 13-27. 1897.
- 2. Die aussergewöhnliche Wärmezunahme im Bohrloche von Neuffen verglichen mit ähnlichem Verhalten anderer Bohrlöcher. Mit einem Anhang von A. SCHMIDT. *Ibid.* pp. 28-55. 1897.
- BRANNER, J. C. Thickness of the Palæozoic Sediments in Arkansas. *Am. Journ. Sci.* ser. 2, ii. pp. 229-236, fig., pl. iii. [Map, Arkansas, 1 inch = 60 miles.] 1896. A.C.
- 2. The former Extension of the Appalachians across Mississippi, Louisiana, and Texas. *Ibid.* ser. 2, iv. pp. 357-371, figs. [Maps.] 1897. And A.C.
- 3. Bibliography of Clays and the Ceramic Arts. *Bull. U.S. Geol. Surv.* no. 143, pp. 1-114. 1896. A.C.
- 4. The Phosphate Deposits of Arkansas. *Coll. Guard.* lxxiii. pp. 65-66. 1897; & *Trans. Am. Inst. M. E.* xxvi. pp. 580-598. [Map, 1 inch = 4 miles.] 1897. And A.C.
- 5. The Bauxite Deposits of Arkansas. *Journ. Geol. Chicago*, v. pp. 263-289 j, figs., pls. i. & ii. [Maps, Little Rock, 1 inch = 1 mile; Saline Co., 1 inch = 1 mile.] 1897. And A.C.
- 6. Geology in its Relations to Topography. *Trans. Am. Soc. C. E.* 1897, pp. 473-498, figs., pl. xxv. 1897. A.C.
- See NEWSOM, J. F.; see SMITH, J. P.
- BRARD, F. The Hongay and Hatou Coalfield (Tonkin). *Coll. Guard.* lxxiii. p. 828. 1897.
- BRASH, L. *Cosmoceras* du Callovien supérieur des Côtes du Calvados. *Bull. Soc. Linn. Norm.* ser. 4, x. p. xxxv. 1896.
- 2. Note sur le Callovien supérieur des Falaises de Dives et Villers-sur-Mer. *Ibid.* pp. 3-6. 1896.
- *BRAUNS, R. Ueber Beziehungen zwischen dem Schmelzpunkt von Mineralien, ihrer Zonenstruktur und Ausscheidungsfolge in Ergussgesteinen. Temperatur der Laven. *Min. petr. Mitth.* n. s. xvii. pp. 485-491. 1897.

- BREND, W. A. Notes on some of the Lakes of Caernarvonshire. *Geol. Mag.* dec. 4, iv. pp. 404-407. 1897.
- BRESSON, A. Feuille de Carcassonne. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 75-78. 1897.
- BREWSTER, W. M. Occurrence of Graphite in the South [U.S.A.]. *Ann. Rep. U.S. Geol. Surv.* xvii. 1895-96, pt. iii. pp. 1008-1010. 1896.
- BRIGHAM, A. P. Glacial Flood Deposits in Chenango Valley. *Bull. Geol. Soc. Am.* viii. pp. 17-30, pl. i. [Map.] 1897.
- BRIVE, A. Réponse aux Observations de M. WELSCH au sujet de ma Note sur le Pliocène du Dahra. *C. R. Soc. géol. France*, 1896, p. lxxxv. 1896.
- See WELSCH, J.
- BRODIE, P. B. President's Address. *Proc. Warwick. Field Club*, 1896, pp. 1-14, 1897. And A.C.
- 2. On the Sandstones in the Upper Keuper in a part of Warwickshire, six miles north-west of Warwick. *Ibid.* pp. 36-39. 1897. And A.C.
- See ANON., 41. See WOODWARD, H. B.
- BRODRICK, T. N. Études sur les Glaciers du District de Canterbury (Nouvelle Zélande). *Congrès géol. internat.* 1894, vi. pp. 204-207. 1897.
- BRÖGGER, W. C. Ueber die Verbreitung der *Buloma-Niobe*-Fauna (der Ceratopygen-Kalkfauna) in Europa. *Nyt Mag. Naturvid.* xxxvi. pp. 164-192, figs. 1897.
- BROMLY, A. H. Notes upon Gold-Mining in Burma. *Trans. Fed. Inst. M.E.* xii. pp. 506-513. 1897; & *Trans. N. Engl. Inst. Min. & Mech. Engin.* xlvi. pp. 122-128. 1897.
- BROOKS, A. H. See WOLFF, J. E.
- BROOKS, W. K. The Origin of the Oldest Fossils and the Discovery of the Bottom of the Ocean. *Ann. Rep. Smiths. Inst.* 1894, pp. 359-376. 1896.
- BROUGH, B. H. The Mining and Metallurgical Industries of Sweden as shown at the Stockholm Exhibition. *Coll. Guard.* lxxiv. pp. 1114-1116. 1897; & *Journ. Soc. Arts*, xlvi. pp. 61-76, figs. 1897.
- BROWN, H. Y. L. Reports on Arltunga Gold Field and Hart's Range Mica Field and Explorations North-east of Hart's Range, North-west of Alice Springs, and of the Frew River Country, &c., also Appendix by R. ETHERIDGE, Jun., being Contributions to the Palæontology of South Australia. Pp. 1-16, 2 pls. & 3 geological sketch route-maps. Fol. Adelaide, 1897.
- BROWNE, D. H. Segregation in Ores and Mattes: with note, by J. F. KEMP. *Canad. Rec. Sci.* vii. pp. 176-190. 1896.
- BROWNE, M. Fifth Contribution to Rhætic Literature. *Rep. Brit. Assoc.* 1896, lxvi. pp. 804-805. 1896.
- *BRÜCKNER, E., J. HANN, & A. KIRCHOFF. Allgemeine Erdkunde. II. Abth. Die feste Erdrinde und ihre Formen, von E. BRÜCKNER. Pp. i-xii, 1-368, figs. [Maps.] 8vo. Vienna, 1897.
- *BRUGNATELLI, L. Sulla Linarite della Miniera di San Giovanni (Sardegna). *Riv. Min. e Crist. ital. Padova*, xvii. pp. 56-64, figs. 1897.
- 2. Linarite von der Grube San Giovanni (Sardinien). *Zeitschr. f. Kryst.* xxviii. pp. 307-310, fig. 1897.
- *BRUHNS, W. Petrographische Mittheilungen I. [Trachyt, &c., Siebengebirge.] *Verh. naturh. Ver. preuss. Rheinl.* liii. pp. 39-56. 1896.
- BUCHRUCKER, A. Das Manganerz-Vorkommen zwischen Bingerbrück und Stromberg am Hunsrück. *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi. *Abh. ausserh.* pp. 3-9, pl. vi. 1897.
- BÜCKING, H. Bericht über die Ergebnisse der Aufnahmen im Herbste 1895 in der Rhön. *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi. pp. xciv-xcv. 1896.
- BUCKMAN, S. S. Deposits of the Bajocian Age in the Northern Cotteswolds. *Q. J. G. S.* liii. pp. 607-629, figs., pl. xlvi. [Maps.] 1897.
- BUDISCHOVSKI, E. See URBAIN, G.
- BUELNA, R. J. See AGUILERA, J. G.
- BUKOWSKI, G. von. Die Levantinische Molluskenfauna der Insel Rhodus. *Denkschr. k. Akad. Wissensch. Wien*, lxiii. pp. 1-70, pls. vii-xi. 1896.
- 2. Werfener Schichten und Muschelkalk in Süddalmatien. *Verh. k.-k. geol. Reichsanst.* 1896, pp. 325-331. 1896. A.C.
- 3. Zur Stratigraphie der süddalmatinischen Trias. *Ibid.* pp. 379-385. 1896. And A.C.
- BUNKELL, H. B. Notes on the Venterskroon Goldfields, South African Republic. *Trans. N. Engl. Inst. Min. & Mech. Engin.* xlvi. pp. 58-61, pl. vi. [Map, 1 inch=4000 Cape roods.] 1896.

- BURCKHARDT, K. Die Kreideketten im Norden des Klönthals. *Eclogæ Geol. Helv.* v. pp. 17-23. 1897.
- 2. Sur la Géologie des Chaînes crétaciques entre le Klönthal et le Wæggithal. *C. R. Soc. helv. Sci. nat.* 1896, pp. 115-120. 1896.
- 3. Zur Systematik und Phylogenie der Pleurotomariiden. *N. J. f. Min.* 1897, i. pp. 198-210. 1897.
- BUREAU, L. Feuille de Saumur. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 50-52. 1897.
- BURNARD, R. Dartmoor Stone Implements and Weapons. *Trans. Devon Assoc.* xxix. pp. 378-385, pls. i-ix. 1897.
- BURROWS, H. W., & R. HOLLAND. The Foraminifera of the Thanet Beds of Pegwell Bay. *Proc. Geol. Assoc.* xv. pp. 33-52, pls. i-v. 1897, & xvi. pp. 19-32. 1897.
- BURTHER, P. L. Note sur les Travaux de Recherche exécutés à Meymac (Corrèze). [Tin.] *Ann. Mines, Paris*, ser. 9, xii. pp. 5-31, pls. i-iii. 1897.
- BURTON, F. M. The Story of the Lincoln Gap. *Lincoln. Notes & Queries*, 1896, pp. 1-15, 1 pl. 1896. A.C.
- 2. The Past History of the Trent. *Trans. Hull Geol. Soc.* iii. pp. 15-16. 1897.
- *BUSACCHI, A. Molluschi pliocenici del Balzo del Musico (Comune di Monte San Pietro) nel Bolognese. *Riv. ital. Paleont. Parma*, ii. pp. 320-323. 1896.
- BUSZ, KARL. On the Production of Corundum by Contact Metamorphism on Dartmoor. *Rep. Brit. Assoc.* 1896, lxvi. p. 807. 1896.
- BUTTGENBACH, F. See FORIER, H.
- BUTTGENBACH, H. Cristaux de Céruse de Moresnet. *Ann. Soc. géol. Belg. Liège*, xxiv. pp. lviii-lix. 1897.
- 2. Note sur une Forme nouvelle de la Calamine. *Ibid.* pp. xl-xli, fig. 1897.
- 3. Sur un Trapézoèdre trigonal du Quartz de Nil-St.-Vincent. *Ibid.* pp. 11-17, fig. 1897.
- 4. Orientation des Cristaux d'Anglésite de quelques Localités. *Ibid.* pp. 193-208, figs. 1897.
- . See CÉSARO, G.
- BUTTERWORTH, J. Photomicrographic Camera, designed chiefly to facilitate the Study of Opaque Objects, more especially in the Study of Palæo-Botany. [*Astromyelon, Calamites, Cardiocarpon.*] *Journ. R. Micr. Soc.* 1896, pp. 595-596, pl. xv. 1896.
- 2. Some further Investigations of Fossil Seeds of the Genus *Lagenostoma*, Williamson, from the Lower Coal Measures, Oldham. *Mem. Manch. Lit. Phil. Soc.* xli. no. 9, pp. 1-4, pl. viii. 1897.
- CADELL, H. M. A Visit to Moun Tarawera. *Scot. Geogr. Mag.* pp. 246-259, figs., 3 pls. Maps, Tarawera District, 1895, 1 inch = 1 mile; Volcanic Zone and Hauraki Goldfield, North Island (N. Z.), 1 inch = 40 miles. 1897.
- CALDWELL, G. Notes on the Sinking at the Maypole House Colliery, Abram; with Specimens of Rock, and an Analysis of the Water found in the Shafts. *Trans. Manch. Geol. Soc.* vol. xxv. pp. 238-240. 1897.
- CALKER, F. J. P. VAN. Association internationale pour la Recherche des Erratiques de l'Europe septentrionale. *Congr. géol. internat.* 1894, vi. pp. 208-215. 1897.
- 2. Beitrag zur Kenntniss des Pseudogaylussit und über dessen Vorkommen in Holland. *Zeitschr. f. Kryst.* xxviii. pp. 556-572, pl. ix. 1897.
- CALL, E. La Cartographie de Mammoth Cave. *Spelunca*, iii. pp. 12-22, figs. [Maps.] 1897.
- CALLAWAY, C. Notes on the Superficial Deposits of North Shropshire. *Rep. Brit. Assoc.* 1896, lxvi. p. 800. 1896.
- 2. A Criticism on the Chemical Evidence for the Existence of Organisms in the Oldest Rocks. *Proc. Liverp. Geol. Soc.* viii. pp. 98-103. 1897.
- 3. On the Origin of some of the Gneisses of Anglesey. *Q. J. G. S.* liii. pp. 349-357, figs. 1897.
- CALVIN, S. Annual Report of the Iowa Geological Survey for 1895. *Ann. Rep. Iowa Geol. Surv.* 1895, v. pp. 9-32. 1896.
- 2. Geology of Jones County. *Ibid.* pp. 33-112, figs., pls. i. & ii., & map. 1896.
- 3. Memoir of Charles Wachsmuth. *Bull. Geol. Soc. Am.* viii. pp. 374-376. 1897.
- CAMPBELL, J. The Goldfields of the Hauraki Peninsula, New Zealand. *Trans. Fed. Inst. M. E.* xii. pp. 462-482, pl. xxii. [Map, 1 inch = 14 miles.] 1897; & *Trans. N. Engl. Inst. Min. & Mech. Engin.* xlvi. pp. 78-82, pl. xxii. 1897.

- CAMPBELL, M. R. Erosion at Baselevel. [Appalachians.] *Bull. Geol. Soc. Am.* viii. pp. 221-226, figs., pl. xx. 1897.
- 2. Rapid Section Work in Horizontal Rocks. *Trans. Am. Inst. M. E.* xxvi. pp. 298-315, figs. 1897.
- CANAVAL, R. Einige Bemerkungen, betreffend das geologische Alter der Erz-lagerstätte von Kallwang. *Mitth. nat. Ver. Steiermark*, 1896, pp. 149-159, fig. 1897.
- *CANAVARI, M. La Fauna degli Strati con *Aspidoceras acanthicum* di Monte Serra presso Camerino. I. Anthozoa, Lamellibranchiata, Cephalopoda: *Phylloceras*, *Lytoceras*, *Oppelia*, *Eurynoticeras* n. gen., *Holcostephanus*. *Palæontographia italica*, 1896, ii. pp. 25-52, pls. iv-ix. 1897.
- CANTRILL, T. C. A Contribution to the Geology of the Wyre Forest Coalfield and of the Surrounding District. Pp. 1-42, 2 pls. [Map, 1 inch = 2 miles.] Svo. Kidderminster, 1895.
- 2. The 'Permian' Sandstones of the Wyre Forest and South Staffordshire Coalfield. *Coll. Guard.* lxxiii. pp. 581-582. 1897.
- See STRAHAN, A., &c.
- CANU, F. Sur un nouveau Gisement de *Macropneustes minor*, Ag. *Bull. Soc. géol. France*, ser. 3, xxiv. p. 894. 1897; & *C. R. Soc. géol. France*, 1896, pp. cclxxvi-cclxxxvii. 1896.
- *CAPELLINI, G. A proposito del *Tomistoma lyceensis*. *Riv. ital. Paleont. Parma*, iii. pp. 18-20. 1897.
- 2, &c. Participation du Service de la Carte géologique d'Italie au Congrès géologique international de St. Pétersbourg. Pp. 1-16. Svo. Rome, 1897.
- CARALP, —. Le Granite de Bordères (Hautes-Pyrénées): son Age, ses Relations avec quelques autres Granites pyrénéens. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 528-532, fig. 1896.
- See STUART-MENTEATH, P. W.
- CARD, G. W. On the Occurrence and Classification of some New South Wales Meteorites. *Rec. Geol. Surv. N.S.W.* v. pp. 49-52, pls. vii. & viii. 1897.
- 2. Mineralogical Notes, no. 5. [Telluride, Martite, Apatite, Jamesonite, Prehnite, Chromite.] *Ibid.* pp. 66-67. 1897.
- 3. Mineralogical and Petrological Notes, no. 6. [Mungindi Meteorite, Cuproscheelite, Stolzite, Andesite, &c.] *Ibid.* pp. 121-123. 1897.
- , & W. S. DUN. The Diatomaceous Earth Deposits of New South Wales. *Ibid.* pp. 128-148, pls. xii-xv. 1897.
- , & O. TRICKETT. Geological Survey of New South Wales. Report of the Mineralogist [Analyses]. *Ann. Rep. Dep. Mines, N.S.W.* 1896, pp. 142-149. 1897.
- CARDOSO, F. Estação chelleano do Valle d'Alcantara. *Rev. Sci. Nat. e Soc. Porto*, v. pp. 50-52. 1897.
- CAREZ, L. Coupe des Falaises de Biarritz et Bidard (Basses-Pyrénées). *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 392-411, figs., pl. xx. 1896.
- 2. Réponse aux Observations de MM. SEUNES et STUART-MENTEATH. [Sur les Ardoises de la Région comprise entre Lourdes et Bagnères-de-Bigorre, &c.] *Ibid.* ser. 3, xxiv. pp. 761-762. 1896.
- 3. Réponse à MM. SEUNES et STUART-MENTEATH. *C. R. Soc. géol. France*, 1896, pp. ccli-ccliii. 1896.
- 4. Feuille de Foix. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 101-104. 1897.
- 5. Feuille de Tarbes. *Ibid.* pp. 104-107. 1897.
- See STUART-MENTEATH, P. W.
- , & A. PERON. Annuaire géologique universel, Année 1896, xiii. pp. 1-339. Svo. Paris, 1897.
- CARNE, J. E. Geological Survey of New South Wales. Progress Report for 1896. [Port Macquarie and Cape Hawke Coast; Yowaka or Pambula Goldfield; Timbilica Reefs, near Nungatta; Tingy's Plains.] *Ann. Rep. Dep. Mines, N.S.W.* 1896, pp. 100-125, figs., 2 pls. 1897.
- 2. Notes on the General and Economic Geology of the Coast between Port Macquarie and Cape Hawke. *Rec. Geol. Surv. N.S.W.* v. pp. 53-64. 1897.
- 3. The Auriferous Beach Sands of the Esk River and Jerusalem Creek, in the Parish of Esk, County Richmond (N.S.W.). *Ibid.* pp. 71-86. 1897.
- CARNOT, A. Sur une Apatite bleue de Montebbras. *Bull. Soc. franç. Min.* xix. pp. 214-215. 1896.
- *CARPENTER, G. H. The Problems of the British Fauna. *Nat. Sci.* xi. pp. 375-386. 1897.
- *CARRAROLI, A. Avanzi di Pesci fossili pliocenici del Parmense e del Piacentino. *Riv. ital. Paleont. Parma*, iii. pp. 23-28, figs. 1897.

- CARRICK, J. T. On Faulting along the Main Reef Line. *Trans. Geol. Soc. S.A.* ii. pp. 39-41 & pp. 82-83, 1 pl. 1897.
- CASE, E. C. On the Foramina perforating the Cranial Region of a Permian Reptile and on a Cast of its Brain Cavity. *Am. Journ. Sci.* ser. 4, iii. pp. 321-326, figs. 1897.
- CASSETTI, M. Sulla Costituzione geologica dei Monti di Gaeta. *Boll. R. Com. geol. Ital.* xxvii. pp. 36-45. 1896.
- 2. Rilevamento geologico di alcuni Gruppi montuosi dell' Italia meridionale eseguito nel 1895. [Mts. Gaeta, Cervaro, Rocca d'Evandro, Vergine, Volturara, Irpina, & Nusco.] *Ibid.* pp. 313-332, fig. 1896.
- CASTRO, C. See AGUILERA, J. G.
- CAYEUX, L. Feuille d'Alais. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 93-94. 1897.
- *— 2. De l'Existence de Silex formés en deux temps. Conséquences au point de vue de la Période de formation des Silex de la Craie. *C. R. Assoc. franç. Av. Sci.* 1896, xxv. pt. 2, pp. 290-293. 1897.
- 3. Contribution à l'Étude micrographique des Terrains sédimentaires. I. Étude de quelques Dépôts siliceux secondaires et tertiaires du Bassin de Paris et de la Belgique. II. Craie du Bassin de Paris. *Mém. Soc. géol. Nord*, ii. no. 2, pp. 1-589, figs., pls. i-x. 1897. A.C.
- CAZIOT, —. Étude sur le Tongrien inférieur des Environs de Nîmes. *C. R. Soc. géol. France*, 1896, pp. xv-xvi. 1896.
- CESÀRO, G. La Structure interne de la Matière cristallisée.—Les Solides conjugués dans la Pyrite. *Bull. Acad. Roy. Belg.* ser. 3, xxx. pp. 723-743. 1895.
- 2. Le Cinabre du Rocheux. *Ibid.* ser. 3, xxx. pp. 56-60. 1895.
- 3. Le Mispickel de Nil-Saint-Vincent. *Ibid.* xxxii. pp. 279-286, figs. 1896.
- 4. La Valléite, nouvelle Amphibole orthorhombique. *Ibid.* pp. 536-545, figs. 1896.
- 5. Sur une Méthode simple pour chercher la Variation de l'Angle d'extinction dans les différentes Faces d'une même Zone. Application à la Zone verticale de l'Axinite. [Pyroxene.] *Mém. cour. Acad. Roy. Belg.* (4to) liv. no. 3, pp. 1-26, figs. 1896.
- See DEVALQUE, G., &c.
- , & H. BUTTGENBACH. Sur un Sulfate basique de Cuivre qui semble constituer une nouvelle Espèce minérale. *Ann. Soc. géol. Belg. Liège*, xxiv. pp. xli-xliii. 1897.
- CHAMBERLIN, T. C. Glacial Studies in Greenland. X. *Journ. Geol. Chicago*, v. pp. 229-240, figs. 1897.
- CHAMBERS, T. G. Register of the Associates and Old Students of the Royal College of Chemistry, the Royal School of Mines, and the Royal College of Science; with Historical Introduction and Biographical Notices and Portraits of Past and Present Professors. Pp. i-cxxii, 1-231, 29 pls. 8vo. London, 1897.
- CHANTRE, E., & C. GAILLARD. Sur la Faune du Gisement sidérolithique éocène de Lissieu (Rhône). *C. R. Acad. Sci. Paris*, cxxv. pp. 986-987. 1897.
- CHAPMAN, F. On some Pliocene Ostracoda from near Berkeley. *Bull. Geol. Univ. Cal.* ii. pp. 93-100, pl. iii. 1896. A.C.
- 2. The Foraminifera of the Gault of Folkestone.—IX. *Journ. R. Micr. Soc.* 1896, pp. 581-590, pls. xii. & xiii. 1896.
- 3. Ostracoda from the Chara-marl of Hitchin, Herts. *Ann. Mag. Nat. Hist.* ser. 6, xix. pp. 591-597, pl. xv. 1897.
- 4. On the Microscopic Contents of a Sample of Bracklesham Clay from Leeson-Solent, Hampshire. *Geol. Mag.* dec. 4, iv. pp. 226-227. 1897.
- 5. Notes on the Microzoa from the Jurassic Beds at Hartwell. *Proc. Geol. Assoc.* xv. pp. 96-97. 1897.
- See JONES, T. R.
- CHELIUS, C. Nephelinitadern im Basalt des Rossberg bei Darmstadt. *Notizbl. Ver. f. Erdk. Darmstadt*, ser. 4, no. xvii. pp. 3-8. 1896.
- 2. Die Thalsperren am Rodenstein im Odenwald. *Ibid.* p. 9, pl. i. 1896.
- 3. Die Bildung der Felsenmeere im Odenwald. *Zeitschr. deutsch. geol. Gesellsch.* xlvi. pp. 644-651, pl. xv. 1896.
- , & G. KLEMM. Blätter Zwingenberg und Bensheim. Erdmagnetische Messungen in der Nähe des Frankensteins, von K. SCHERING. [Map.] *Erläut. geol. Karte Hessen*, Lief. iv. pp. 1-112, pls. i-iv. 1896, and maps _{25,000} 1896.
- CHEVROT, —. See BIDOT, —.
- CHIKASHIGE, M. The Atomic Weight of Japanese Tellurium. *Journ. Coll. Sci. Tokyo*, ix. pp. 123-128. 1897.

- CHISHOLM, G. G. On the Distribution of Towns and Villages in England. *Geogr. Journ.* ix. pp. 76-87, & x. pp. 511-530. 1897.
- CHOFFAT, P. Les Eaux d'Alimentation de Lisbonne. *Bull. Soc. belge Géol. Brux.* 1896, x. *Mém.* pp. 161-197. 1897. And A.C.
- 2. Sur le Crétacique de la Région du Mondégo. *C. R. Acad. Sci. Paris*, cxxiv. pp. 422-424. 1897. And A.C.
- 3. Parallélisme entre le Crétacique du Mondégo et celui de Lisbonne. Le Garumnien en Portugal. *Ibid.* pp. 519-521. 1897. And A. C.
- 4. Observations sur l'Article de M. ROLLIER intitulé: Défense des Faciès du Malm. *Eclogæ Geol. Helv.* v. pp. 56-58. 1897.
- CHRUSTSCHOV, K. von. Ueber dem Zwillingscompensator. *Verh. russ.-k. min. Gesellsch.* ser. 2, xxxiv. pp. 165-169, figs. 1895.
- CHURCH, G. E. Costa Rica. *Geogr. Journ.* x. pp. 56-84. 1897.
- CLAGUE, D. Holiday Studies of a Geologist. *Journ. Liverp. Geol. Assoc.* xvi. pp. 18-26. 1896.
- CLAR, K. Gleichenberger Wasserfragen. *Mitth. nat. Ver. Steiermark*, 1896, pp. 60-64, 1 pl. [Maps.] 1897.
- CLARENCE, L. B. Ceylon. *Scot. Geogr. Mag.* xiii. pp. 169-188. 1897.
- CLARK, J. E. The Late Earthquake. [Map.] *Nat. Hist. Journ. York*, xxi. pp. 4-6, 2 pis. [Maps.] 1897.
- CLARK, W. B., R. M. BAGG, & G. B. SHATTUCK. Upper Cretaceous Formations of New Jersey, Delaware, and Maryland. *Bull. Geol. Soc. Am.* viii. pp. 316-358, pls. xl-1. 1897.
- , & A. BIBBINS. The Stratigraphy of the Potomac Group in Maryland. *Journ. Geol. Chicago*, v. pp. 479-506, figs. 1897.
- CLARKE, J. M. See HALL, J.
- See WINCHELL, N. H., &c.
- *CLAYPOLE, E. W. The Timepiece of Geology. *Am. Geol.* xvii. pp. 40-45. 1896.
- *— 2. Human Relics in the Drift of Ohio. *Ibid.* xviii. pp. 302-314, pl. xi. 1896. And A.C.
- *— 3. A New *Dinichthys*—*Dinichthys Kepleri*. *Ibid.* xix. pp. 322-323, pl. xx. 1897.
- 4. On the Teeth of *Mazodus*. *Proc. Am. Micr. Soc.* 1896 (3 pp.). 1896. A.C.
- 5. On the Structure of some Palæozoic Spines from Ohio. *Ibid.* (2 pp.). 1896. A.C.
- *CLERC, O. La Ville d'Ekathérinebourg et quelques-uns de ses Environs, remarquables au point de vue de l'Archéologie préhistorique. *Guide, VII. Congrès géol. internat.* 1897, no. 7, pp. 1-8, pls. A-B. 1897.
- CLERICI, E. La Nave di Caligola affondata nel Lago di Nemi e la Geologia del Suolo romano. *Boll. Soc. geol. ital.* xv. pp. 302-309. 1896.
- 2. Sui Dintorni di San Faustino nell' Umbria. *Ibid.* pp. 426-429. 1896.
- 3. Resoconto sommario dell' Escursione fatta il 26 Ottobre 1896 nei Dintorni di Manziana. *Ibid.* pp. 458-462. 1896.
- CLIFFORD, H. A Journey through the Malay States of Trengganu and Kelantan. *Geogr. Journ.* ix. pp. 1-37. 1897.
- *CLOSE, M. H. The former Abundance of Granite Boulders in the S. E. Neighbourhood of Dublin. *Irish Nat.* vi. pp. 29-33. 1896.
- CLOWES, F. See BEDSON, P. P., &c.
- COGHLAN, T. A. A Statistical Account of the Seven Colonies of Australasia, 1895-96. Sixth Issue. Pp. i-xiii, 1-502, 1 pl. 8vo. Sydney, 1896.
- 2. The Wealth and Progress of New South Wales, 1895-96. i. pp. 1-491. 8vo. Sydney, 1897.
- COHEN, E. Die Meteoriten von Laborel und Guareña. *Ann. k.-k. naturhist. Hofmus. Wien*, xi. pp. 31-38. 1896.
- 2. Meteoriten-Studien.—V. *Ibid.* xii. pp. 42-62. 1897.
- 3. Ueber ein neues Meteoriten von Locust Grove, Henry Co., Nord-Carolina, Vereinigte Staaten. *Sitz. k.-preuss. Akad. Wissensch. Berlin*, 1897, pp. 76-81. 1897.
- 4. Das Meteoriten von Forsyth Co., Georgia, Vereinigte Staaten. *Ibid.* 1897, pp. 386-396, figs. 1897.
- COLCHESTER-WEMYSS, M. W. Annual Address, 1897. [Cotteswold Geology, Prehistoric Man.] *Proc. Cotteswold Nat. F. C.* xii. pp. 89-103. 1897.
- COLDWELL, A. E. Notes on the Superficial Geology of King's Co. (N.S.). *Proc. & Trans. N. S. Inst. Sci.* ix. pp. 171-174. 1896.
- COLE, E. M. The Geology and Physical Geography of Central Africa. *Trans. Hull Geol. Soc.* ii. pp. 15-16. 1896.
- 2. St. Austin's Stone, Drewton Dale. *Ibid.* iii. pp. 24-25, 1 pl. 1897.

- COLE, G. A. J. The Variolite of Annalong, Co. Down. *Sci. Proc. R. Dublin Soc.* n. s. vii. pp. 511-519, pl. xxi. 1892. A.C.
- 2. On *Hemitrypa hibernica*, M'Coy. *Ibid.* n. s. viii. pp. 132-144, pl. viii. 1893. A.C.
- 3. County Dublin, Past and Present. *Irish Nat.* i. pp. 9-14, 31-36, 53-57, 73-76, 90-95, figs., pl. i. 1892. A.C.
- 4. The Beauty and Use of Irish Building Stones. *Ibid.* ii. pp. 168-171, 180-181. 1893. A.C.
- 5. On the Fenestellidæ with reference to Irish Carboniferous Strata. *Ibid.* iv. pp. 100-104. 1895. A.C.
- * — 6. A Proposed Geological Photographic Survey of the Counties of Dublin and Wicklow. *Ibid.* vi. pp. 125-126. 1897.
- 7. Excursion to the Counties of Dublin and Wicklow. *Proc. Geol. Assoc.* xiii. pp. 168-177. 1893. A.C.
- 8. On Variolite and other Tachylytes at Dunmore Head, Co. Down. *Geol. Mag.* dec. 4, i. pp. 220-222. 1894. A.C.
- 9. The Volcano of Tardree, Co. Antrim. *Ibid.* dec. 4, ii. pp. 303-306. 1895. A.C.
- 10. The Destruction of the Chalk. *Ibid.* dec. 4, ii. pp. 553-556. 1895. A.C.
- 11. Hullite. *Proc. Belfast Nat. F. C.* 1894-95 (pp. 1-4). 1895. A.C.
- 12. On Derived Crystals in the Basaltic Andesite of Glasdrumman Port, Co. Dublin. *Sci. Trans. R. Dublin Soc.* ser. 2, v. pp. 239-248, pl. xxvi. 1894. A.C.
- 13. The Rhyolites of the County of Antrim; with a Note on Bauxite. *Ibid.* ser. 2, vi. pp. 77-118, pls. iii. & iv. 1896. A.C.
- 14. On the Geology of Slieve Gallion, in the County of Londonderry. *Ibid.* ser. 2, vi. pp. 213-248, pls. xiii-xiv. 1897.
- 15. Scenery and Geology in Co. Antrim. Pp. 1-19. 8vo. Belfast, 1895. A.C.
- 16. Sixty Years of Geological Research. *Knowledge*, xx. pp. 112-115, fig. 1897.
- 17. The Edge of a Continent. *Ibid.* pp. 208-210, figs. 1897.
- 18. The Heart of a Continent. *Ibid.* pp. 282-285, figs. 1897.
- 19. The Bog-Slide of Knocknageeha, in the County of Kerry. *Nature*, lv. pp. 254-256, figs. 1897.
- COLEMAN, A. P. The Anorthosites of the Rainy Lake Region. *Canad. Rec. Sci.* vii. pp. 230-235. 1897; & *Journ. Geol. Chicago*, iv. pp. 907-911. 1896.
- 2. Glacial and Interglacial Deposits at Toronto. [Abstract.] *Geol. Mag.* dec. 4, iv. pp. 515-516. 1897.
- See DAWSON, G. M.
- COLLINS, J. H. Notes on Cornish Fossils. *Trans. R. Geol. Soc. Cornwall*, xii. pp. 65-70. 1897.
- COLLOT, —. Feuille de Beaune. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 17-19. 1897.
- CONWAY, SIR W. M. The First Crossing of Spitsbergen. *Geogr. Journ.* ix. pp. 353-365, figs. 1897.
- COOKE, J. H. The Brine Pumping (Compensation for Subsidence) Act, 1891. Pp. 1-24, 2 pls. [Map, Northwich & Winsford, 1 inch = 1 mile.] 8vo. Warrington, 1892.
- 2. On a New Section in the Middle Lias of Lincoln. *Geol. Mag.* dec. 4, iv. pp. 253-259, fig. 1897.
- COOPER, J. C. See WATTS, W. L.
- COPE, E. D. On New Palæozoic Vertebrata from Illinois, Ohio, and Pennsylvania. *Proc. Am. Phil. Soc.* xxxvi. pp. 71-91, pls. i-iii. 1897.
- See Index.
- COPE, T. H. The Igneous Rocks of Aran Mowddwy. *Proc. Liverp. Geol. Soc.* viii. pp. 66-90, pls. iii-vi. 1897.
- CORNET, J. Observations sur les Terrains anciens du Katanga faites au cours de l'Expédition Bia-Françqui (1891-93). *Ann. Soc. géol. Belg. Liège*, xxiv. pp. 25-191, figs., pl. i. 1897.
- CORNISH, V. The Rippling of Sand. *Rep. Brit. Assoc.* 1896, lxvi. pp. 794-795. 1896.
- 2. On the Formation of Sand Dunes. *Geogr. Journ.* ix. pp. 278-309, figs. 1897.
- CORSTORPHINE, G. S. Report of the Geologist to the Commission. *Ann. Rep. Geol. Comm. Cape Colony*, i. pp. 4-11. 1897.
- 2. Report on Laingsburg Coal. *Ibid.* p. 12. 1897.

- CORSTORPHINE, G. S. 3. Notes on the Congo Cave. *Ibid.* pp. 34-36. [Map.] 1897.
- , & A. W. ROGERS. Report of a Preliminary Geological Survey of the Oudtshoorn and Prince Albert Districts. *Ibid.* pp. 31-33. 1897.
- , See SAUNDERS, H., &c.
- CORTESE, E. Sulla Geologia della Calabria settentrionale. *Boll. Soc. geol. ital.* xv. pp. 310-313. 1896.
- CORTI, B. Sul Deposito Villafranchiano di Fossano, in Piemonte. *Rendic. R. Ist. lomb.* ser. 2, xxix. pp. 164-173. 1896.
- 2. Appunti di Paleontologia sul Miocene dei Dintorni di Como. *Ibid.* pp. 622-623. 1896.
- 3. Sulla Fauna a Radiolarie dei Noduli selciosi della Majolica di Campora, presso Como. *Ibid.* pp. 990-994. 1896.
- COSSMANN, M. Études sur les Gastropodes des Terrains jurassiques. *Bull. Soc. Linn. Norm.* ser. 4, x. pp. xlv-xlix. 1896.
- 2. Mollusques éocéniques de la Loire-Inférieure. *Ibid.* p. xlix. 1896.
- *— 3. Observations sur quelques Coquilles crétaciques recueillies en France. *C. R. Assoc. franç. Av. Sci.* 1896, xxv. pt. 2, pp. 243-268, pls. i. & ii. 1897.
- 4. The Opisthobranchs of the Older Tertiary of Australia. *Trans. Roy. Soc. S. Aust.* xxi. pp. 1-21, pls. i. & ii. 1897.
- COTTEAU, G., & EGOZCUE Y CÍA, J. Descripción de las Equinoides fósiles de la Isla de Cuba. *Bol. Com. Mapa geol. España*, xxii. pp. 1-99, pls. i-xxix. 1897.
- COULTAS, F. Geology of Deepcar and its surrounding Hills. *Trans. Fed. Inst. Mining Eng.* xiii. pp. 341-347, pl. xviii. [Map, 1 inch = 1466 feet.] 1897; & *Proc. Midland Inst. M. E.* xiv. pp. 453-458, pl. xviii. [Map, 1 inch = 1466 feet.] 1897.
- COUMILLON, —. Documents pour servir à l'Étude géologique des Environs de Luang Prabang (Cochinchine). *C. R. Acad. Sci. Paris*, cxxiii. pp. 1330-1333, fig. [Map, $\frac{1}{60,000}$.] 1897.
- COUSENS, R. L. Criticisms on Mr. G. D. Stonestreet's paper, 'Notes on the Black Reef at Natal Spruit.' *Trans. Geol. Soc. S. A.* ii. pp. 84-86. 1897.
- CRAIG, F. W. The Permian System in Kansas. *Col. Coll. Studies*, vi. pp. 1-52. 1896.
- CRAIG, R. Remarks upon 'Joints' or Natural Fractures in Limestones. *Proc. Geol. Soc. Glasgow*, x. pp. 210-215. 1896.
- 2. Preliminary Notice of three late Neocene Terranes of Kansas. *Ibid.* pp. 53-54. 1896.
- CRANE, W. R. Horsebacks in the Kansas Coal Measures. *Kansas Univ. Quart.* iv. pp. 144-151, figs. 1896.
- CRAWFORD, J. J., &c. Thirteenth Report (Third Biennial) of the State Mineralogist for the two years ending September 15, 1896. *Rep. Cal. Mining Bur.* xiii. pp. i-xiv, 1-726, figs., 69 pls. [Map, El Dorado Co., 1 inch = 1 mile.] 1896.
- *CRÉMER, L. Ueber Sprünge und sprungähnliche Verwertungen des westfälischen Steinkohlengebirges. *Verh. naturh. Ver. preuss. Rheinl.* liii. pp. 24-27. 1896.
- , See FORB, H.
- CRICK, G. C. On a Collection of Jurassic Cephalopoda from Western Australia, obtained by Harry Page Woodward, F.G.S., Government Geologist; with Descriptions of the Species. *Geol. Mag.* dec. 4, i. pp. 386-441, pls. xii-xiii. 1894. A.C.
- 2. Note on some Fragments of Belemnites from Somali-Land. *Ibid.* iii. pp. 296-297. 1896. A.C.
- 3. On a Specimen of *Cocconeuthis hastiformis*, Rüppel, sp., from the Lithographic Stone, Solenhofen (Bavaria). *Ibid.* pp. 439-442, pl. xiv. 1896. A.C.
- 4. On *Goniatites evolutus*, Phillips, and *Nautilus tetragonus*, Phillips; with a List of the Species belonging to the Genus *Subclymenia*. *Ibid.* pp. 413-419, figs. 1896. A.C.
- 5. On an Example of *Acanthoteuthis speciosa*, Münster, from the Lithographic Stone, Eichstädt, Bavaria. *Ibid.* iv. pp. 1-4, fig., pl. i. 1897. And A.C.
- 6. On a New Species of *Prolecanites* from the Carboniferous Limestone of Haw Bank Tunnel, Skipton (Yorkshire). *Trans. Manch. Geol. Soc.* xxiii. pp. 80-85, figs. 1895. A.C.
- 7. On the Aperture of a Baculite from the Lower Chalk of Chardstock, Somerset. *Proc. Malacol. Soc.* ii. pp. 77-80, figs. 1896. A.C.
- 8. On the Proostracum of a Belemnite from the Upper Lias of Alderton (Gloucestershire). *Ibid.* pp. 117-119, pl. ix. 1896. A.C.
- , See FOORD, A. H.

- *CROOK, A. R. Some Geological Causes of the Scenery of Yellowstone National Park. *Am. Geol.* xx. pp. 159-167. 1897.
- CROOKS, SIR W. Diamonds. *Chem. News*, lxxv. pp. 301-302; lxxvi. pp. 1-4, 13-15, 25-27. 1897; & *Nature*, lvi. pp. 325-331, figs. 1897.
- 2. The Diamond Mines of Kimberley. *Nature*, lv. pp. 519-523. 1897.
- CROSBY, W. O. Contribution to the Geology of Newport Neck (R. Isl.) and Conanicut Island (R. Isl.). *Am. Journ. Sci.* ser. 4, iii. pp. 230-236, fig. [Map, 1 inch = 2 miles.] 1897.
- 2. The Pleistocene Ice-sheet in North America: Englacial Drift. [Abstract.] *Geol. Mag.* dec. 4, iv. pp. 319-326. 1897.
- *—, & M. L. FULLER. Origin of Pegmatite. *Am. Geol.* xix. pp. 145-180, pls. vii-ix. 1897.
- CROSS, W. Igneous Rocks of the Leucite Hills and Pilot Butte, Wyoming. *Am. Journ. Sci.* ser. 4, iv. pp. 115-141. 1897.
- CROSSKEY, H. W. See LAMPLUGH, G. W.
- CRUZ, E. DE LA. Nociones abreviadas de Geología minera. Pt. 1. 24mo. Almeria, 1897.
- *CUNNINGTON, W. The Authenticity of Plateau Man. *Nat. Sci.* xi. pp. 327-333, pl. ix. 1897.
- CURIE, J. Feuille de Mende. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 58-61. 1897.
- , & G. FLAMAND. Réponse à la Communication faite par M. GENTIL sur quelques Gisements ophitiques de l'Algérie. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 526-527. 1896; & *C. R. Soc. géol. France*, 1896, pp. cxix-cxx. 1896.
- CURRAN, J. M. On the Occurrence of Precious Stones in New South Wales, and the Deposits in which they are found. *Journ. Roy. Soc. N.S.W.* xxx. pp. 214-285, pls. xiii-xx. 1897.
- CURTIS, G. C. See DAVIS, W. M.
- CUSACK, R. On the Melting Points of Minerals. *Proc. Roy. Irish Acad.* ser. 3, iv. pp. 339-413, fig., pl. v. 1897.
- CUSHING, F. H. Exploration of Ancient Key-Dwellers' Remains on the Gulf Coast of Florida. *Proc. Am. Phil. Soc.* xxxv. pp. 329-432, pls. xxv-xxxv. [Maps.] 1897.
- CUSHING, H. P. Notes on the Areal Geology of Glacier Bay, Alaska. *Trans. N.Y. Acad. Sci.* xv. pp. 24-34, pl. i. [Map, 1 inch = 10 miles.] 1896.
- 2. On the Existence of Pre-Cambrian and Post-Ordovician Trap Dykes in the Adirondacks. *Trans. N.Y. Acad. Sci.* xv. pp. 248-252. 1896.
- *— 3. Note on Hypersthene-Andesite from Mt. Edgecumbe, Alaska. *Am. Geol.* xx. pp. 156-159. 1897.
- CVJIĆ, J. Brusque Formation d'une Doline en Serbie. *Spelunca*, iii. pp. 89-93, fig. 1897.
- *CZYSZKOWSKI, S. Les Venues métallifères de l'Espagne, Portugal, Pyrénées, Corbières, Montagne Noire, Maures, Corse, Sardaigne. Pp. 1-436, pls. i-xvii. 8vo. Paris, 1897.
- DAKYNs, J. R., R. H. TIDDEMAN, & J. G. GOODCHILD. The Geology of the Country between Appleby, Ullswater, and Haweswater. (Explanation of Quarter-sheet 102 S.W., New Series, Sheet 30.) With Petrological Notes, by the late J. CLIFTON WARD and W. W. WATTS. *Mem. Geol. Surv. Engl. & Wales*, pp. i-vi, 1-110, figs. 1897.
- *DAL PIAZ, G. Studi geologici-petrografici intorno ai Colli Euganei. Basalti. *Riv. Min. e Crist. ital. Padova*, xvii. pp. 74-80. 1897.
- DALE, T. N. Structural Details in the Green Mountain Region and in Eastern New York. *Ann. Rep. U.S. Geol. Surv.* 1894-95, pt. i. pp. 543-570, figs. 1896.
- DALL, W. H. Determination of the Dates of Publication of Conrad's 'Fossils of the Tertiary Formation' and 'Medial Tertiary.' *Bull. Phil. Soc. Washington*, xii. pp. 215-239. 1895.
- See GUPPY, R. J. L.
- DALMER, K. Ueber die chemischen Vorgänge bei der Contactmetamorphose der Phyllite durch plutonische Eruptivgesteine. *N. J. f. Min.* 1897, ii. pp. 156-158. 1897.
- 2. Die Erzlager von Schwarzenberg im Erzgebirge. *Zeitschr. f. prakt. Geol.* 1897, pp. 265-272. 1897.
- DAMES, W. Beitrag zur Kenntniss der Gattung *Pleurosaurus*, H. von Meyer. *Sitz. k.-preuss. Akad. Wissensch. Berlin*, 1896, pp. 1107-1125, pl. xii. 1896.
- 2. Ueber Brustbein, Schulter- und Beckengürtel der *Archaeopteryx*. *Ibid.* 1897, pp. 818-834, figs. 1897. And A.C.

- DAMOUR, A. Discours aux Obsèques de M. Des Cloizeaux. *Bull. Soc. franç. Min.* xx. pp. 170-172. 1897.
- 2. Sur l'Association de l'Anthracite et de la Pyrophyllite aux Émeraudes de la Colombie. *Ibid.* pp. 183-185. 1897.
- *DANA, J. D. Manual of Geology, treating of the Principles of the Science with special reference to American Geological History. 4th ed. Pp. 1-1088, figs. 8vo. New York, 1896.
- DANICOURT, —. Nouvelles Découvertes dans les Souterrains Refuges de Naours (Somme). *Spelunca*, ii. pp. 137-140. 1896.
- DANILOV, R. An Austrian Cannel Seam. *Coll. Guard.* lxxiv. p. 572. 1897.
- *DANNENBERG, A. Die Trachyte, Andesite und Phonolithe des Westerwaldes. *Min. petr. Mitth.* xvii. pp. 301-330, figs., pl. ii., & pp. 421-484, figs. 1897.
- DANZIG, E. Ueber einige diluviale Ablagerungen in der Umgebung von Rochlitz in Sachsen. *Sitz. u. Abh. nat. Gesellsch. 'Isis,'* 1896, Juli-Dec. *Abh.* pp. 68-71. 1897.
- DARTON, N. H. Fossils in the 'Archæan' Rocks of Central Piedmont, Virginia. *Am. Journ. Sci.* ser. 3, xlv. pp. 50-52, figs. 1892. A.C.
- 2. The Stratigraphic Relations of the Ononta and Chemung Formations in Eastern Central New York. *Ibid.* xlv. pp. 203-209, figs. 1893. A.C.
- 3. The Magothy Formation of North-eastern Maryland. *Ibid.* pp. 408-419, figs. 1893. A.C.
- 4. Outline of Cenozoic History of a Portion of the Middle Atlantic Slope. *Journ. Geol. Chicago*, ii. pp. 568-587, figs. [Maps, Middle Atlantic Slope.] 1894. A.C.
- 5. Examples of Stream-robbing in the Catskill Mountains. *Bull. Geol. Soc. Am.* vii. pp. 505-507, pl. xxiii. 1895. A.C.
- 6. Notes on Relations of Lower Members of the Coastal Plain Series in South Carolina. *Ibid.* pp. 512-518, fig. 1895. A.C.
- 7. Artesian Well Prospects in Eastern Virginia, Maryland, and Delaware. *Trans. Am. Inst. M. E.* xxiv. pp. 372-398, figs. [Map, 1 inch=40 miles.] 1895. A.C.
- 8. Preliminary Description of the Faulted Region of Herkimer, Fulton, Montgomery, and Saratoga Counties. *Ann. Rep. N.Y. Geol. Surv.* xiv. pp. 33-56, figs., pls. i-ix, & map, Mohawk Valley, 1 inch=8 miles. 1896; & *Ann. Rep. N.Y. State Mus.* xlviii. pt. 2, pp. 33-56, figs., pls. i-ix, & map, 1 inch=8 miles. 1896.
- 9. Preliminary Report on Artesian Waters of a Portion of the Dakotas. *Ann. Rep. N.Y. Geol. Surv.* xvii. pt. 2, pp. 7-92, figs., pls. lxxix-cvii. [Maps.] 1896. A.C.
- *DATHE, E. Das Schlesisch-sudetische Erdbeben vom 11. Juni 1895. *Abh. k.-preuss. geol. Landesanst. n. s. no. 22*, pp. 1-329. [Maps, $\frac{1}{300,000}$ & $\frac{1}{900,000}$.] 1897.
- DATTA, P. N. Further Notes on the Lower Vindhyan (Sub-Kaimur) Area of the Sone Valley, Rewah. *Rec. Geol. Surv. India*, xxix. pp. 76-82. 1896.
- DAUBRÉE, A. See BERTRAND, J., &c.
- DAVID, T. W. E. Report on the Wombeyan Caves. *Ann. Rep. Dep. Mines, N.S.W.* 1896, pp. 149-151. 1897.
- 2. Anniversary Address.—Summary of our present Knowledge of the Structure and Origin of the Blue Mountains of New South Wales. *Journ. Roy. Soc. N.S.W.* xxx. pp. 1-69. 1897.
- 3. Sill Structure and Fossils in Eruptive Rocks in New South Wales. *Ibid.* xxx. pp. 285-290. 1897.
- See ETHERIDGE, R., JUN., &c.
- , & W. HOWCHIN. Note on the Occurrence of Casts of Radiolaria in Pre-Cambrian (?) Rocks, South Australia. *Proc. Linn. Soc. N.S.W.* xxi. pp. 571-583, pls. xxxix. & xl. 1897.
- , — 2. Notes on the Glacial Features of the Inman Valley. *Trans. Roy. Soc. S. Aust.* xxi. pp. 61-67. 1897.
- DAVIDSON, E. Der Bergbau in Russland. *Zeitschr. f. Berg-, Hütt. Salinenw.* xlv. pp. 90-130. 1897.
- DAVIES, A. M., & P. EMARY. Excursion to Aylesbury, Hartwell, and Stone. *Proc. Geol. Assoc.* xv. pp. 90-95, figs. [Map, 1 inch=1 mile.] 1897.
- DAVIS, W. M. A Speculation in Topographical Climatology. *Am. Meteorol. Journ.* 1896 (pp. 1-10). 1896. A.C.
- 2. Plains of Marine and Subaerial Denudation. *Bull. Geol. Soc. Am.* vii. pp. 377-398. 1896. A.C.
- 3. Large Scale Maps as Geographical Illustrations. *Journ. Geol. Chicago*, iv. pp. 484-513. 1897. And A.C.

- DAVIS, W. M. 4. The Seine, the Meuse, and the Moselle. *Nat. Geogr. Mag.-Washington*, vii. pp. 189-202, 229-238, figs. [Maps.] 1896. A.C.
- 5. The Outline of Cape Cod. *Proc. Am. Acad. Arts & Sci.* xxxi. pp. 303-332, figs. 1896. And A.C.
- 6. The Present Trend of Geography. (Pp. 1-10.) 8vo. Albany (N.Y.). 1897. A.C.
- , & G. C. CURTIS. The Harvard Geographical Models. *Proc. Boston Soc. Nat. Hist.* xxviii. pp. 85-110, pls. i-iv. 1897. A.C.
- DAVISON, C. The Earthquake [December 17, 1896]. *Nature*, lv. p. 179. 1896.
- 2. Instruments used in Italy [Seismographs]. *Rep. Brit. Assoc.* 1896, lxvi. pp. 220-229, figs. 1896.
- 3. On the Distribution of Earthquakes in Japan during the Years 1885-1892. *Geogr. Journ.* x. pp. 530-535, figs., & map, 1 inch=8 miles. 1897.
- 4. On the Effect of the Great Japanese Earthquake of 1891 on the Seismic Activity of the Adjoining Districts. *Geol. Mag.* dec. 4, iv. pp. 23-26; figs. 1897.
- 5. On the Distribution in Space of the Accessory Shocks of the Great Japanese Earthquake of 1891. *Q. J. G. S.* liii. pp. 1-15, figs. 1897.
- 6. On the Pembroke Earthquakes of August, 1893, and November, 1893. *Ibid.* pp. 157-175, fig., pl. xi. [Maps, 1 inch=12 miles, 1 inch=40 miles.] 1897.
- DAVY, L. Sur l'Ancienneté probable de l'Exploitation de l'Étain, en Bretagne. *C. R. Acad. Sci. Paris*, cxxv. pp. 337-339. 1897.
- DAWKINS, W. B. On the Geology of the Isle of Man. *Rep. Brit. Assoc.* 1896, lxvi. pp. 776-779. 1896.
- 2. The South-Eastern Coalfield. *Coll. Guard.* lxxiii. p. 314. 1897.
- 3. On the History of the Discovery of the South-Eastern Coalfield. *Trans. Manch. Geol. Soc.* xxv. pp. 155-160. 1897.
- DAWSON, G. M. Summary Report of the Geological Survey Department for the year 1896. *Ann. Rep. Geol. Surv. Canada*, 1895, A, pp. 1-154. 1897.
- 2. Geographical Work of the Geological Survey of Canada, 1896. *Geogr. Journ.* ix. pp. 276-278. 1897.
- 3. British Association. Section C. Geology. Opening Address. *Nature*, lvi. pp. 396-401. 1897.
- 4. Some Observations tending to show the Occurrence of Secular Climatic Changes in British Columbia. *Proc. & Trans. Roy. Soc. Canada*, ser. 2, ii. sec. iv. pp. 159-166. 1896. And A.C.
- 5. Are the Boulder Clays of the Great Plains Marine? *Journ. Geol. Chicago*, v. pp. 257-262. 1897. And A.C.
- 6. Address to the Geological Section of the British Association for the Advancement of Science, Toronto, 1897. *Rep. Brit. Assoc.* 1897 (pp. 1-13). 1897.
- 7. The Physical Geography and Geology of Canada. *Brit. Assoc. Handbook of Canada*. Pp. 1-48. 8vo. Toronto, 1897. A.C.
- , A. P. COLEMAN, &c. British Association Handbook of Canada. Pp. 1-416. 7 pls. [Maps.] 8vo. Toronto, 1897.
- DAWSON, SIR J. W. Pre-Cambrian Fossils, especially in Canada. [*Archæophyton, Eozoon, Cryptozoon, Archeozoon.*] *Canad. Rec. Sci.* vii. pp. 157-162. 1896.
- 2. Note on *Cryptozoon* and other Ancient Fossils. [*Archæozoon, Megastroma, Girvanella, Receptaculites, Archæocyathus, Palæochorda, & Chondrites.*] *Ibid.* pp. 203-219, figs. 1897. And A.C.
- 3. Additional Notes on Fossil Sponges and other Organic Remains from the Quebec Group at Little Metis, on the Lower St. Lawrence. With Notes on some of the Specimens by Dr. G. J. HINDE, F.R.S. *Proc. & Trans. Roy. Soc. Canada*, ser. 2, ii. sec. iv. pp. 91-121, figs., pls. i-iv. 1896. And A.C.
- 4. Pre-Cambrian Fossils. *Rep. Brit. Assoc.* 1896, lxvi. pp. 734-785. 1896.
- 5. Relics of Primeval Life. Pp. 1-336, figs., 2 pls. [Map of part of Co. Ottawa.] 8vo. London, 1897.
- DAY, D. T. A Suggestion as to the Origin of Pennsylvania Petroleum. *Proc. Am. Phil. Soc.* xxxvi. pp. 112-136. 1897.
- , &c. Mineral Resources of the United States, 1895. [Maps.] *Ann. Rep. U. S. Geol. Surv.* xvii. 1895-96, pt. iii. pp. 5-21. 1896.
- DAY, W. C. See DAX, D. T., &c.
- DE RANCE, C. E. Notes on the Geological Features of the Coast of North Wales from Liverpool to Menai Bridge. *Trans. N. Engl. Inst. Min. & Mech. Engin.* xlv. pp. 274-277. 1896.
- 2. Geological Survey of England and Wales. Vertical Sections of the Cheshire Salt and Brine Shafts and Borings. Sheet 82. 1 inch=40 feet. 1897.

- DE RANCE, C. E. 3. The Permo-Carboniferous Boundary. *Coll. Guard.* lxxiv. pp. 603-605. 1897; & *Trans. Manch. Geol. Soc.* xxv. pp. 207-228. 1897.
- 4. Notes on Water-Supply. *Trans. Fed. Inst. M.E.* xii. pp. 598-610, pl. xxv. 1897.
- 5. The Kent Coalfield. *Ibid.* xiii. pp. 293-294. 1897.
- DE STEFANI, C. See STEFANI, C. DE.
- DEAN, B. Is *Palaespondylus* a Cyclostome? *Trans. N.Y. Acad. Sci.* xv. pp. 100-104, pl. v. 1896.
- 2. On the Vertebral Column, Fins, and Ventral Armouring of *Dinichthys*. *Ibid.* pp. 157-163, pls. vii. & viii. 1896.
- DECHEN, H. VON. See RAUFF, H., &c.
- DEEKS, W. E. *Hippopotamus* Remains. *Canad. Rec. Sci.* vii. pp. 229-230. 1897.
- DEELEY, R. M. The Erosive Power of Rivers and Glaciers. *Geol. Mag.* dec. 4, iv. pp. 388-397. 1897.
- DÉGOUTIN, —. Les Grottes de Marbre de Tourane (Annam). *Spelunca*, ii. pp. 125-132, figs. 1896.
- DEHLINGER, G. See KLEMM, G.
- DEICHMÜLLER, J. V. Das Gräberfeld auf dem Knochenberge bei Niederrödern (Sachsen). *Mitth. k. min.-geol. prähist. Mus. Dresden*, no. xii. pp. 1-16, pls. i-vii. 1897.
- DELAFOND, —. Topographie du Bassin de Blanzay et du Creusot. *Bull. Serv. Carte géol. France*, ix. no. 59, p. 166. 1897.
- DELAFONTAINE, M. On the Fergusonite Metals. *Chem. News*, lxxv. pp. 229-230. 1897.
- DELAGE, A. See ROUVILLE, P. DE.
- DELEBECCQUE, A. Sur quelques Lacs des Alpes, d'Aubrac et des Pyrénées. *C. R. Acad. Sci. Paris*, cxx. pp. 54-57. 1895. A.C.
- 2. Sur le Carbonate de Chaux de l'Eau des Lacs. *Ibid.* cxx. pp. 790-794. 1895. A.C.
- 3. Sur les Lacs du Littoral landais et des Environs de Bayonne. *Ibid.* cxxii. pp. 49-51. 1896. A.C.
- 4. Influence de la Composition de l'Eau des Lacs sur la Formation des Ravins sous-lacustres. *Ibid.* cxxiii. pp. 71-72. 1896. A.C.
- 5. Sur les Réfractions extraordinaires observées au bord des Lacs et connues sous le nom de 'Fata Morgana.' *Ibid.* pp. 387-389. 1896. A.C.
- 6. Sur l'Étang de Berre et les Étangs de la Côte de Provence situés dans son Voisinage. *Ibid.* pp. 845-847. 1896. A.C.
- 7. Les Ravins sous-lacustres des Fleuves glaciaires. *Arch. Sci. phys. et nat. Genève*, 1896, i. (3 pp.). 1896. A.C.
- 8. Les Lacs français. Pp. i-xii, 1-436, figs., pls. i-xxii. [Maps.] 4to. Paris, 1897.
- See MARTEL, E. A.
- , & A. LE ROYER. Sur les Gaz dissous au Fond du Lac de Genève. *C. R. Acad. Sci. Paris*, cxx. pp. 1438-1440. 1895. A.C.
- DELHEID, E. Contribution paléontologique à l'Étage pliocène supérieur poederlien, à Anvers. *Bull. Soc. belge Géol. Brux.* 1895, ix. *Proc. verb.* pp. 57-62. 1896.
- DEMARET, L. On the Extension of the Main Reef Eastwards, beyond Vogelfontein, and the Nature of the Reitfontein Reef. *Trans. Geol. Soc. S. A.* ii. pp. 143-144. 1897.
- DENCKMANN, A. Bericht über die wissenschaftlichen Resultate seiner Aufnahmen im Sommer 1895. [Hesse.] *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi. pp. xxxii-lxiv. 1896.
- 2. Ueber die Auffindung von Graptolithen im Kellerwalde. *Zeitschr. deutsch. geol. Gesellsch.* xlvi. pp. 727-728. 1896.
- 3. Ueber *Oxynoticeras affine*, Seeb., bei Dörnten. *Ibid.* xlix. *Protok.* pp. 21-22. 1897.
- See BEUSHAUSEN, L.
- DENNANT, J., & J. F. MULDER. Probable Miocene Age of a Conglomerate at Shelford. *Proc. Roy. Soc. Victoria (Aust.)* n. s. ix. pp. 174-182, pl. vii. 1897.
- DEPÉRET, C. Note sur les Fossiles oligocènes de Barrême. *Bull. Soc. géol. France*, ser. 3, xxiii. pp. 878-883, figs. 1896.
- 2. Note sur les Fossiles miocènes du Conglomérat de Pierre-Longue, près Avignon. *Ibid.* ser. 3, xxiv. pp. 516-525. 1896.

- DEPERET, C. 3. Sur la Découverte de Dinosauriens dans le Crétacé supérieur de Madagascar. *C. R. Soc. géol. France*, 1896, p. xxxv. 1896.
- 4. Sur quelques Mammifères de l'Étage burdigalien (premier Étage méditerranéen) de Suisse et du Bassin du Rhône. *Ibid.* pp. cxviii-cxix. 1896.
- 5. Quelques Réflexions sur les Formations tertiaires de l'Algérie. *Ibid.* pp. ccxxvii-ccxxix. 1896.
- 6. Feuille de Bédarieux. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 68-70. 1897.
- 7. Sur la Découverte de nouveaux Gisements de Mammifères fossiles dans l'Île de Corse. *C. R. Acad. Sci. Paris*, cxxiv. pp. 1472-1474. 1897.
- , & H. DOUXAMI. Note sur les Couches tertiaires de Châteauredon (Basses-Alpes). *Bull. Soc. géol. France*, ser. 3, xxiii. pp. 874-877. 1896.
- , & G. SAYN. Sur l'Oligocène du Ravin du Vanson, près St. Geniez (Basses-Alpes). *Ibid.* pp. 827-829, fig. 1895.
- DERBY, O. A. Constituents of the Cañon Diablo Meteorite. *Am. Journ. Sci.* xlix. pp. 101-110. 1895. A.C.
- 2. Decomposition of Rocks in Brazil. *Journ. Geol. Chicago*, iv. pp. 529-540. 1896. A.C.
- 3. Estudo sobre o Meteorito de Bendegó. *Arch. Mus. Nac. Rio de Janeiro*, ix. pp. 89-184. 1896. A.C.
- DESLONGCHAMPS, J. A. EUDES-. Histoire d'une Vocation.—Découverte du premier Individu du *Teleosaurus cadomensis*. *Bull. Soc. Linn. Norm.* ser. 4, x. pp. 26-48. 1896.
- DESTINEZ, P. Quelques fossiles de Pair (Clavier). *Ann. Soc. géol. Belg. Liège*, xxiv. pp. xxxviii-xxxix. 1897.
- DEWALQUE, G. Couches traversées à Ostende dans un Sondage qui s'y fait en ce moment pour y pratiquer un Puits artésien. *Ann. Soc. géol. Belg. Liège*, xxii. pp. lxxv-lxxvi. 1897.
- 2. L'Exploitation de l'Or en Ardenne. *Ibid.* xxiv. p. xxxii. 1897.
- 3. Sur le Granit de la Helle. *Ibid.* pp. xliv-xlv. 1897.
- 4. Présentation d'une Limonite de Bovigny. *Ibid.* pp. lx-lxi. 1897.
- 5. Les Sciences minérales devant les Jurys des Prix quinquennaux des Sciences naturelles. *Bull. Acad. Sci. Belg.* ser. 3, xxxiii. pp. 782-800. 1897.
- . See VAN DEN BROECK, E.
- , & C. DE LA VALLÉE POUSSIN. Rapport sur un Mémoire, 'On demande la Description des Minéraux phosphatés, sulfatés et carbonatés du Sol belge,' par G. CESÀRO. *Ibid.* ser. 3, xxxii. pp. 768-774. 1896.
- DI-STEFANO, G. Per la Geologia della Calabria settentrionale. *Boll. Soc. geol. ital.* xv. pp. 375-384. 1896.
- . See FRANCHI, S.
- DICKSON, E., & P. HOLLAND. On some of the Geological Features of the Neighbourhood of the Varanger Fjord, Arctic Norway, with Analyses of Terrace Deposits, Kolguev Island Clay, Glacial Waters, &c. *Proc. Liverpool. Geol. Soc.* viii. pp. 130-150, pls. ix. & x. 1897.
- DIENER, C. Note sur deux Espèces d'Ammonites triasiques du Tonkin. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 882-886, figs. 1897.
- *DILLER, J. S. Hornblende-Basalt in Northern California. *Am. Geol.* xix. pp. 253-255. 1897.
- 2. Crater Lake, Oregon. *Am. Journ. Sci.* ser. 4, iii. pp. 165-172, pl. v., figs. 1897.
- DINGELSTEDT, W. Geology of the Caucasus. *Naochn. Obozr.* (Teacher's Review, St. Petersburg.) iii. pp. 754-766, 789-794, 817-826, 842-854, 911-921, 947-954, 981-991. 1897 [In Russian.] A.C.
- DOELTER, C. Das krystallinische Schiefergebirge der Niederen Tauern der Rottenmanner und Seethaler Alpen. *Mitth. nat. Ver. Steiermark*, 1896, pp. 117-148. 1897.
- 2. Synthetische Studien. *N. J. f. Min.* 1897, i. pp. 1-26, fig. 1897.
- 3. Einige weitere Versuche über das Verhalten der Mineralien zu den Röntgen'schen X-Strahlen. *Ibid.* pp. 256-257. 1897.
- DOLL, E. Alte Gletscherschiffe aus dem Paltenthale und Riesentöpfe aus den Thälern der Palten und Liesing in Steiermark. *Verh. k.-k. geol. Reichsanst.* 1896, pp. 423-425. 1896.
- DOLLFUS, G. F. Révision des Feuilles de Rouen et d'Évreux. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 1 & 2. 1897. And A.C.
- 2. Révision des Feuilles de Meaux. *Ibid.* pp. 3-6. 1897. And A.C.
- 3. Allocution présidentielle, 1896. [Sir Joseph Prestwich.] *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 646-648. 1896.

- DOLLFUS, G. F. 4. Observations géologiques faites aux Environs de Louviers, Vernon et Pacy-sur-Eure. *Mém. Soc. Linn. Norm.* xix. pp. 1-47, figs., pl. i. 1897. A.C.
- See MICHEL-LÉVY, A., &c.; see RAMOND, G.
- DON, J. R. The Genesis of Certain Auriferous Lodes. *Trans. Am. Inst. M. E.* 1897 (pp. 1-105), figs. 1897. A.C.
- DORLODOT, H. DE. Sur l'Âge du Poudingue de Naninne et la Présence du Couvinien dans le Bassin de Namur. (Rectification.) *Ann. Soc. géol. Belg. Liège*, xxi. pp. lxxxiii-lxxxiv. 1897.
- DOSS, B. Ueber livländische durch Ausscheidung aus Gypsquellen entstandene Süßwasserkalke als neue Beispiele für 'Mischungs-Anomalien.' *N. J. f. Min.* 1897, i. pp. 105-141, pl. v. [Maps, Pullandorf $\frac{1}{126,000}$ & Selting $\frac{1}{100,000}$.] 1897.
- 2. Ueber einen Mammuthfund im Diluvium von Jaroslawl a. d. Wolga. *Zeitschr. deutsch. geol. Gesellsch.* 1896, xlvi. pp. 940-953, figs. 1897.
- 3. Ueber sandhaltige Gypskrystalle vom Bogdo-Berge in der Astrachan'schen Steppe. *Ibid.* xlix. pp. 143-151. 1897.
- DOUVILLE, H. Sur la Charnière des Lamellibranches hétérodones. *C. R. Soc. géol. France*, 1896, pp. xi-xiii. 1896.
- 2. Feuilles de Chambéry et d'Albertville.—Révision de Nantua et d'Annecy. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 115-119, fig. 1897.
- 3. Sur une Ammonite triasique recueillie en Grèce. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 788-799. 1897.
- 4. Sur des Fossiles tertiaires recueillis par M. FLICK dans les Environs d'Inkermann (Algérie). *Ibid.* xxv. pp. 30-31. 1897.
- See DEPÉRET, C.
- DOWKER, G. On the Landing-place of St. Augustine. [Isle of Thanet, &c.] Pp. 1-23. 8vo. London. 1896. A.C.
- DOWLING, D. B. See TYRRELL, J. B.
- DRAKE, N. F. The Topography of Canada. *Journ. Geol. Chicago*, v. pp. 563-578, fig. 1897.
- DRAPER, D. Notes on the Occurrence of *Sigillaria*, *Glossopteris*, and other Plant-remains in the Triassic Rocks of South Africa. *Q. J. G. S.* liii. pp. 310-314, figs. [Map.] 1897. And A.C. [See SEWARD, A. C.]
- 2. The Appointment of a State Geologist. *Trans. Geol. Soc. S. A.* ii. p. 37. 1897.
- 3. Reply to Criticism on his Paper, 'The Extension of the Main Reef Westward of Witpoortje.' *Ibid.* pp. 42-46. 1897.
- 4. On the Connection between the Conglomerate Beds of the Witwatersrand and those situated in the Districts of Potchefstroom and Klerksdorp. *Ibid.* pp. 47-51, pl. [Map.] 1897.
- 5. Geology of the Sabie Valley. *Ibid.* pp. 147-149. 1897.
- DREGER, J. Geologische Mittheilungen aus Unter-Steiermark. *Verh. k.-k. geol. Reichsanst.* 1897, pp. 89-95. 1897.
- DRESSER, J. A. Geological Report and Map of the District about Montreal. *Canad. Rec. Sci.* vii. pp. 247-255. 1897.
- DRIOTON, C. Le Refuge souterrain de Sabinus et d'Eponine. Fouilles exécutées à la Baume-Noire de Fretigney (Haute-Saône). *Spelunca*, iii. pp. 94-101, figs. 1897.
- DUBOIS, E. Sur le *Pithecanthropus erectus* du Pliocène de Java. *Bull. Soc. belge Géol. Brux.* 1895, ix. *Proc.-verb.* pp. 151-158, figs. 1897.
- 2. Ueber drei ausgestorbene Menschenaffen. *N. J. f. Min.* 1897, i. pp. 83-104, pls. ii-iv. 1897.
- *DUBOIS, M. Conférence faite à Tunis. [Excursions.] *C. R. Assoc. franç. Av. Sci.* 1896, xxv. pt. i. pp. 285-307. 1897.
- *DUDEN, H. Some Notes on the Black Shale or Genesee Shale of New Albany (Ind.). *Ann. Rep. Dep. Geol. &c. Indiana*, xxi. 1896, pp. 108-119, pls. ii. & iii. 1897.
- DUN, W. S. Additions to the Permo-Carboniferous Flora of New South Wales. *Rec. Geol. Surv. N.S.W.* v. pp. 64-65, pl. ix. 1897.
- 2. On the Occurrence of Devonian Plant-bearing Beds on the Genoa River, County of Auckland. *Ibid.* pp. 117-121, pls. x-xi. 1897.
- 3. The Occurrence of Lower Silurian Graptolites in New South Wales. *Ibid.* pp. 124-127. 1897.
- See CARD, G. W.; see ETHERIDGE, R., JUN.; see MCLACHLAN, D. C.
- DUNN, E. J. Reports on the Bendigo Goldfield. (Nos. I & II.) *Dep. Mines, Victoria (Aust.) Spec. Rep.* pp. 1-20, 21-42, 49, pls. & maps. 1896.

- DUNSTON, G. The Eastern Extension of the Midland Coalfield, and Exploration at Southcar. *Trans. Fed. Inst. M. E.* xii. pp. 515-522. 1897; & *Proc. Midland Inst. M. E.* xiv. pp. 245-252. 1896.
- DUPARC, L. Note sur les Roches éruptives basiques et sur les Amphibolites de la Chaîne de Belledonne. *Bull. Serv. Carte géol. France*, viii. no. 55, pp. 1-22. 1896.
- 2. Sur le Massif du Mont-Blanc. *C. R. Soc. helv. Sci. nat.* 1896, pp. 132-140. 1896; & *Eclogæ Geol. Helv.* v. pp. 39-43. 1897.
- DU PASQUIER, L. See PASQUIER, L. DU.
- DUPONT, E. La Partie belge de la Carte géologique internationale de l'Europe. *Bull. Soc. belge Géol. Bruar.* 1895, ix. *Proc. verb.* pp. 55-56. 1896.
- 2. Musée Royal d'Histoire naturelle de Belgique. Guide dans les Collections Bernissart et les Iguanodons. Pp. 1-55, figs. [Map, Belgium, 1 inch = 37 kilom.] 8vo. Brussels. 1897.
- DURÉGNE, E. Sur le Mode de Formation des Dunes primaires de Gascogne. *C. R. Acad. Sci. Paris*, cxxiv. pp. 1041-1043. 1897.
- *DURIER, C. Le Vésuve et Capri. *Ann. Club alpin français*, 1895, xxii. pp. 404-464, 7 pls. 1896.
- *EARLE, C. The Lemurs as Ancestors of the Apes. *Nat. Sci.* x. pp. 309-313. 1897.
- EASTMAN, C. R. On *Ctenacanthus* Spines from the Keokuk Limestone of Iowa. *Am. Journ. Sci.* ser. 4, iv. pp. 10-13, figs. 1897.
- 2. *Tamiobatis vetustus*; a new Form of Fossil Skate. *Ibid.* pp. 85-90, pl. i. 1897.
- 3. On the Relations of certain Plates in the Dinichthyids, with Descriptions of New Species. *Bull. Mus. Comp. Zool.* xxxi. pp. 19-44, pls. i-v. 1897.
- EASTMAN, J. R. The Mexican Meteorites. *Bull. Phil. Soc. Washington*, xii. pp. 39-51. 1895.
- EASTON, N. W. Der Toba-See. Ein Beitrag zur Geologie von Nord-Sumatra. *Zeitschr. deutsch. geol. Gesellsch.* xlviii. pp. 435-467, pls. x. & xi. [Map, $\frac{1}{400,000}$] 1896.
- EBERT, T. Bericht über die Aufnahmen auf Blatt Osterwieck nördlich von Wernigerode a. H. *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi. pp. xxvii-xxxii. 1896.
- 2. Ueber eine Tiefbohrung auf West-Gaste bei Norden (Ost-Friesland). *Zeitschr. deutsch. geol. Gesellsch.* xlix. *Protok.* pp. 38-39. 1897.
- EGOZCUE Y CIA, J. See CORTEAU, G.
- EHLERS, J. Die Absorption des Lichtes in einigen pleochroitischen Krystallen. *N. J. f. Min.* xi. Beilage-Band, pp. 259-318, figs., pl. xi. 1897.
- *EHLERT, R. Horizontalpendelbeobachtungen im Meridien zu Strassburg i. E., von April bis Winter 1895. *Beitr. Geophys. Stuttgart*, iii. pp. 131-214, figs. 1896.
- *EICHMÜLLER, G. La Région du Myvatn en Islande. *Ann. Club alpin français*, 1895, xxii. pp. 287-319, figs., 5 pls. [Map, 1 inch = 14 kilom.] 1896.
- ELLES, Miss G. L. Obituary of S. A. B. Lundgren. *Geol. Mag.* dec. 4, iv. pp. 431-432. 1897.
- 2. The Subgenera *Petalograptus* and *Cephalograptus*. *Q. J. G. S.* liii. pp. 186-212, pls. xiii. & xiv. 1897.
- ELLIS, W. H. Analysis of some Pre-Carboniferous Coals. *Chem. News*, lxxvi. pp. 186-188. 1897.
- ELLS, R. W. Memoir of N. J. Giroux. *Bull. Geol. Soc. Am.* viii. p. 377. 1897.
- 2. Note on 'Origin and Relations of the Grenville-Hastings Series of the Canadian Laurentian.' *Ibid.* pp. 401-402. 1897.
- 3. Palæozoic Outliers in the Ottawa River Basin. *Proc. & Trans. Roy. Soc. Canada*, ser. 2, ii. sec. iv. pp. 137-149. 1897.
- See ADAMS, F. D.
- ELMORE, C. J. Fossil Diatoms from the Deposits described by E. H. BARBOUR. *Proc. Nebraska Acad. Sci.* no. 5, 1894-95, pp. 20-22. 1896. A.C. See BARBOUR, E. H.
- ELWES, J. W. See SHORE, T. W.
- ENGEL, T. Zwei Grenzbänke im schwäbischen Weissen Jura mit ihren Leit-ammoniten (Weiss β/γ und γ/δ). *Jahresh. Ver. Naturk. Württ.* liii. pp. 56-67. 1897.
- EMARY, P. See DAVIES, A. M.
- EMERSON, B. K. Diabase Pitchstone and Mud Enclosures of Triassic Trap of New England. *Bull. Geol. Soc. Am.* viii. pp. 59-86, figs., pls. iii-ix. 1897.
- *EMERY, C. Sulla Morfologia degli Acanthodidae. *Riv. ital. Paleont. Parma*, iii. pp. 30-33, figs. 1897.

- EMMENS, S. H. Some Remarks concerning Gravitation. Pp. 1-149, figs. 8vo. Washington, 1896. A.C.
- EMMONS, S. F. The Geology of Government Explorations. Presidential Address. *Geol. Soc. Washington*, 1896, pp. 1-39. 1897.
- 2. The Origin of Green River. *Science*, n. s. vi. pp. 19-21. 1897. A.C.
- 3. Some Mines of Rosita and Silver Cliff, Colorado. *Trans. Am. Inst. M. E.* xxvi. pp. 773-823. 1897.
- ERDMANN, E. Sveriges geologiska Undersöknings Utställning vid Allmänna Konst- och Industrie-Utställningen i Stockholm, 1897. *Geol. Fören. Stockh. Förh.* xix. pp. 388-440, fig., pl. vi. 1897.
- ETHERIDGE, R. The Kent Coalfield. *Minutes of Proc. Inst. C. E.* cxxx. p. 203. 1897.
- 2. Address, on Receipt of the 'William Bolitho' Medal. *Trans. Roy. Geol. Soc. Cornwall*, xii. pp. 39-42. 1897.
- ETHERIDGE, R., JUN. Evidence of a Cambrian Fauna in Victoria. *Proc. Roy. Soc. Victoria (Aust.)*, n. s. viii. pp. 52-64, pl. i. 1896.
- 2. The Generic Relations of *Spirifera exsuperans*, De Koninck. *Rec. Geol. Surv. N.S.W.* v. pp. 43-48, pl. vi. 1897.
- 3. On the Occurrence of the Genus *Chelodes*, Davidson & King, in the Upper Silurian of New South Wales. *Ibid.* pp. 67-70, figs. 1897.
- , T. W. E. DAVID, & J. W. GRIMSHAW. On the Occurrence of a Submerged Forest, with Remains of the Dugong, at Shea's Creek, near Sydney. *Journ. Roy. Soc. N.S.W.* xxx. pp. 158-185, pls. v-xa, xi, & xia. 1897.
- , & W. S. DUN. The Australian Geological Record for the Year 1895, with Addenda for the Years 1891-92. *Rec. Geol. Surv. N.S.W.* v. pp. 87-111. 1897.
- , & J. MITCHELL. The Silurian Trilobites of New South Wales, with References to those of other parts of Australia. *Proc. Linn. Soc. N.S.W.* xxi. pp. 694-724, pls. l-iv. 1897.
- See BROWN, H. Y. L.
- ETTINGSHAUSEN, C. von. Ueber neue Pflanzen-fossilien in der Radoboj-Sammlung der Universität Lüttich. *Sitz. k. Akad. Wissensch. Wien*, cv. pp. 473-500, figs., pls. i-v. 1896.
- EUDES-DESLONGCHAMPS, J. A. See DESLONGCHAMPS, J. A. EUDES.
- EVANS, SIR J. The Ancient Stone Implements, Weapons, and Ornaments of Great Britain. 2nd edition. Pp. i-xviii, 1-747, figs. 8vo. London, 1897.
- 2. British Association for the Advancement of Science, Toronto, August 18th, 1897. Presidential Address. *Geol. Mag.* dec. 4, iv. pp. 457-465; & *Nature*, lvi. pp. 369-374. 1897.
- 3. Les premiers Âges de l'Humanité. *Rev. Sci. Paris*, ser. 4, viii. pp. 355-360. 1897.
- *FABRE, E., & L. RAVENAU. Compte-rendu du Voyage circulaire au travers des Alpes. Excursion XI. *Congrès géol., internat.* 1894, vi. pp. 490-502. 1897.
- FABRINI, E. La Lince del Pliocene italiano. *Palæontographia italica*, 1896, ii. pp. 1-24, pls. i-iii. 1897.
- *FAIRBANKS, H. W. Stratigraphy at Slate's Springs, with some further Notes on the Relation of the Golden Gate Series to the Knoxville. *Am. Geol.* xviii. pp. 350-356. 1896.
- 2. Oscillations of the Coast of California during the Pliocene and Pleistocene. *Ibid.* xx. pp. 213-245, pl. xv. 1897.
- 3. Ore Deposits, with Special Reference to the Mother Lode. *Rep. Cal. Mining Bur.* xiii. pp. 665-672. 1896.
- 4. An Interesting Case of Contact-Metamorphism. *Am. Journ. Sci.* ser. 4, iv. pp. 36-38, fig. 1897.
- 5. The Tin Deposits at Temescal, Southern California. *Ibid.* pp. 39-42. 1897.
- 6. The Geology of the San Francisco Peninsula. *Journ. Geol. Chicago*, v. pp. 63-76. 1897.
- FAIRCHILD, H. LE R. Glacial Geology of Western New York. *Geol. Mag.* dec. 4, iv. pp. 529-537, pl. xxi. [Map, 1 inch = 25 miles.] 1897.
- 2. Lake Warren Shorelines in Western New York and the Geneva Beach. *Bull. Geol. Soc. Am.* viii. pp. 269-284, figs., pl. xxx. [Maps.] 1897.
- *FANTAPPIÉ, L. Nuove Osservazioni su Minerali dei 'Blocchi erratici' nella Regione Cimina. *Riv. Min. e Crist. ital. Padova*, xvii. pp. 3-15. 1897.
- FARRINGTON, O. C. Observations on Popocatepetl and Ixlacihuatl. *Field Columb. Mus.* no. 18, *Geol.* i. no. 2, pp. 67-120, pls. vii-xviii. [Map, $\frac{1}{130,000}$.] 1897.

- FARRINGTON, O. C. 2. The Average Specific Gravity of Meteorites. *Journ. Geol. Chicago*, v. pp. 126-130. 1897.
- 3. The Eruptive Rocks of Mexico. *Ibid.* pp. 466-478. 1897.
- FASCHING, —. La Chihokigrotte (Styrie). *Spelunca*, iii. pp. 53-54. 1897.
- FAVRE, E., & H. SCHARDT. Revue géologique suisse pour l'Année 1888. *Arch. Sci. phys. et nat. Geneva*, pp. 177-366. 1889. A.C.; 1890. *Ibid.* xxv. pp. 317-592. 1891. A.C.; 1891. *Ibid.* xxvii. p. 431-662. 1892. A.C.; 1892. *Ibid.* xxix. pp. 263-628. 1893. A.C. [See SCHARDT, H., &c.]
- FEDOROV, E. von. Einige Betrachtungen über die Grundfragen der Krystallographie. *Sitz. k.-bayr. Akad.* 1896, pp. 499-529. 1896.
- 2. Beitrag zur Syngonielehre. *Zeitschr. f. Kryst.* xxviii. pp. 36-68, figs. 1897.
- 3. Ueber das compacteste regelmässige Kugelsystem. *Ibid.* xxviii. pp. 232-238, fig. 1897.
- 4. Der Granat von den Turjinsk'schen Gruben. [Bogoslovsk (Perm).] *Ibid.* xxviii. pp. 276-290, figs. 1897.
- 5. Nachträgliche Studie über Symmetriellehre. *Ibid.* xxviii. pp. 468-482, figs. 1897.
- 6. Versuch einer Theorie der Thermodynamik der Krystalle. *Ibid.* pp. 483-501, figs. 1897.
- See WALLERANT, F.
- FELIX, J. Untersuchungen über den Versteinerungs-process und Erhaltungszustand pflanzlicher Membranen. *Zeitschr. deutsch. geol. Gesellsch.* xlix. pp. 182-192, figs. 1897.
- * —, & H. LENK. Beiträge zur Geologie und Paläontologie der Republik Mexico. II. Theil, 2. Heft. Studien an Gesteinen aus dem mexicanischen Staat Oaxaca. Pp. 57-142, pls. vi-ix. 4to. Leipzig, 1897.
- FENNEMA, R. See VERBEEK, R. D. M.
- FISCHER, E. Nachtrag zum Pflanzenverzeichniss des Interglacials von Pianico-Sellere. *N. J. f. Min.* 1897, pp. 105-106. 1897. [See BALTZER, A.]
- FISCHER, H. See BOUVIER, E. L.
- * FISCHER, T. Untersuchungen zur Entwicklungsgeschichte der Appenninen-Halbinsel. *Peterm. Mitteil.* xliii. pp. 193-197, 218-221. 1897.
- FISCHEUR, E. Réunion extraordinaire de la Société géologique de France à Alger, en 1896. *C. R. Soc. géol. France*, 1896, pp. cxxvii-clxxix, cciv-ccxxvii, ccxxxiii-cclxvi, figs. 1896.
- * FISHER, R. Report of the State Inspector of Mines. *Ann. Rep. Dep. Geol. &c. Indiana*, xxi. 1896, pp. 458-500. 1897.
- FLAMACHE, A. Sur la Formation des Grottes et des Vallées souterraines. *Bull. Soc. belge Géol. Brux.* 1895, ix. *Mém.* pp. 355-367, figs. 1896. [See VAN DEN BROECK, E.]
- FLAMAND, G. B. Les grands Traits de la Géologie du Sahara oranais. *C. R. Soc. géol. France*, 1896, pp. cclxxxiii-cclxxxvi. 1896.
- 2. Note sur la Géologie du Sahara nord-occidental (Hammada, Grand Erg, Méguiden, Tin-Erkouk). *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 891-893. 1897.
- See CURIE, J.
- FLETT, JOHN S. On the Discovery in Orkney of the John o' Groat's Horizon of the Old Red Sandstone. *Proc. R. Phys. Soc. Edinb.* xiii. pp. 255-257. 1896.
- FLORES, E. Sul Sistema dentario del Genere *Anthrotherium*, Cuv. *Boll. Soc. geol. ital.* xvi. pp. 92-96. 1897.
- FOCK, A. Ueber die Löslichkeit von Mischkrystallen und die Grösse des Krystallmolekuls. *Zeitschr. f. Kryst.* xxviii. pp. 337-413. 1897.
- * FOERSTE, A. F. A Report on the Geology of the Middle and Upper Silurian Rocks of Clark, Jefferson, Ripley, Jennings and Southern Decatur Counties (Ind.). *Ann. Rep. Dep. Geol. &c. Indiana*, xxi. 1896, pp. 213-288, pls. xiv-xvii. [Maps, 1 inch = 2 miles.] 1897.
- FOORD, A. H. On a New Genus and Species of *Nautilus*-like Shell (*Acantho-nautilus bispinosus*) from the Carboniferous Limestone of Ireland. *Geol. Mag.* dec. 4, iv. pp. 147-150, figs. 1897. And A.C.
- , & G. C. CRICK. On the Muscular Impressions of some Species of Carboniferous and Jurassic Nautiloids compared with those of the recent *Nautilus*. *Ann. Mag. Nat. Hist.* ser. 6, v. pp. 220-224. 1890. A.C.
- , — 2. On the Muscular Impressions of *Calonautilus cariniferus*, J. de C. Sowerby, sp., compared with those of the recent *Nautilus*. *Geol. Mag.* dec. 3, vi. pp. 494-497, figs. 1889. A.C.
- , — 3. A Revision of the Group of *Nautilus elegans*, J. Sowerby. *Ibid.* vii. pp. 542-552, figs. 1890. A.C.

- FOORD, A. H., & G. C. CRICK. 4. Note on the Identity of *Nautilus neocomiensis*, Sharpe (*non* d'Orbigny) with *Nautilus Deslongchampsianus*, d'Orb. *Ibid.* viii. p. 25. 1891. A.C.
- , — 5. On a new Species of *Discites* (*Discites hibernicus*) from the Lower Carboniferous Limestone of Ireland. *Ibid.* x. pp. 251-254, figs. 1893. A.C.
- , — 6. On the Identity of *Ellipsolites compressus*, J. Sowerby, with *Ammonites Henslowi*, J. Sowerby. *Ibid.* dec. 4, i. pp. 11-17, pl. 1. 1894. A.C.
- , — 7. On *Tennocheilus coronatus*, M'Coy, from the Carboniferous Limestone of Stebden Hill, near Cracoe (Yorkshire). *Ibid.* pp. 295-298, figs. 1894. A.C.
- , — 8. Catalogue of the Fossil Cephalopoda in the British Museum (Natural History). Part III., containing the Bactritidæ and part of the Suborder Ammonoidea. Pp. i-xxxiv, 1-303, figs. 8vo. London, 1897.
- FOOTE, H. W. On the Occurrence of Pollucite, Mangano-Columbite, and Microsite at Rumford, Maine. *Am. Journ. Sci.* ser. 4, i. pp. 457-461, figs. 1896.
- , — See PENFIELD, S. L.; see PRATT, J. H.
- FOOTE, R. B. Geology of the Bellary District, Madras Presidency. *Mem. Geol. Surv. India*, xxv. pp. 1-218, pls. i-v, v a, vi, & map 1 inch = 1 mile. 1895.
- FOOTE, W. M. Note on a new Meteorite from the Sacramento Mountains, Eddy Co., New Mexico. *Am. Journ. Sci.* ser. 4, iii. pp. 65-66. 1897.
- 2. —. *Nature*, lv. pp. 572-574. 1897.
- FORBES, H. O. Antarctica: A Vanished Austral Land. *Ann. Rep. Smiths. Inst.* 1894, pp. 297-316. 1896.
- FOREL, F. A. Quelques Études sur les Lacs de Joux. *Bull. Soc. vaud. Sci. nat.* xxxiii. pp. 79-100. 1897.
- 2. Fleuves et Glaciers. *Ibid.* pp. 202-204. 1897.
- 3. Las Variaciones periódicas de los Ventisqueros. *Rev. Mus. La Plata*, vii. pp. 461-475. 1896.
- *—, & L. DU PASQUIER. Les Variations périodiques des Glaciers des Alpes. *Jahrb. Schw.-Alpenclub*, 1896-97, xxxii. pp. 282-300. 1897.
- FORIB, H. Les Failles inverses de la Formation houillère de la Westphalie, par LEO CREMER.—Les Perturbations de la Formation houillère du bassin de la Wurm, par FRANZ BUTTGEBACH.—La Théorie de Cremer relative aux Failles inverses de la Formation houillère de la Westphalie, par G. KÖHLER. *Ann. Soc. géol. Belg. Liège*, xxii. *Bibliogr.* pp. 35-53, figs. 1897.
- 2. La Pluie en Belgique, 1^{re} partie, par A. LANCASTER. *Ibid.* pp. 55-58. 1897.
- 3. Sur le Prolongement occidental du Bassin de Theux. *Ibid.* xxiv. p. xxviii. 1897.
- 4. Réponse aux Observations de M. GOSSELET relatives à ma Communication sur la Série rhénane des Planchettes de Felenne, de Vencimont et de Pondrôme. *Ibid.* pp. xxxiv-xxxviii. 1897.
- , & M. LOHEST. Compte-rendu de la Session extraordinaire de la Société géologique de Belgique et de la Société Royale malacologique de Belgique tenue à Liège et à Bruxelles du 5 au 8 Septembre 1896, Premières Journées.—Dernière Journée par G. VELGE. *Ibid.* xxiii. pp. cxxxix-cc. pls. xx-xxi. [Maps, Liège, $\frac{1}{100,000}$, & Etterbeck à Tervueren, 1 inch = 1 kilom.] 1897.
- , — See LOHEST, M.; see VAN DEN BROECK, E.
- *FORNASINI, C. Noterelle micropaleontologica. Sulle Nodosarie con camera parzialmente costate; Sulla Nomenclatura di due Biloculine plioceniche; Sopra tre Specie di Foraminiferi descritte da FERDINANDO BASSI nel 1767; Sulle Forme 'flabelline' della *Cristellaria auris*; La *Gladulina deformis* di O. G. Costa; La *Nonionina ornata* di O. G. Costa; La *Nodosaria antennula* di O. G. Costa. *Riv. ital. Paleont.* ii. pp. 332-346, figs. 1896.
- FORSYTH-MAJOR, C. I. On the Brain of two Sub-Fossil Malagasy Lemuroids. *Proc. Roy. Soc.* lxii. pp. 46-50, pl. v. 1897.
- FOSTER, C. LE N. Home Office. Mines and Quarries. Reports for the North Wales, &c., District (No. 9), to Her Majesty's Secretary of State for the Home Department, for the year 1896. Pp. 1-74, figs. 1897. A.C.
- , — See ATKINSON, J. B., &c.
- FOSTER-BARHAM, H. G. Field Geology in South Westmoreland. Pp. 1-20, pl. [Maps, Distribution of Shap Fells Granite Boulders in England and Wales, Lake District, 1 inch = about $7\frac{1}{2}$ miles, by J. G. GOODCHILD.] 8vo. Kendal, 1897. A.C.
- FOURNIER, A. Feuille de Bressuire. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 22-26. 1897.
- *FOURNIER, E. Description géologique du Caucase central. Pp. 1-296, figs., pls. i-xxiii. & map $\frac{1}{420,000}$. 4to. Marseille, 1896.

- FOURNIER, E. 2. Sur les Plis et les Dômes à Déversement périphérique. *C. R. Soc. géol. France*, 1896, pp. xli-xliv. 1896.
- 3. Note sur la tectonique de la Chaîne de l'Étoile et de N.-D. des Anges. *Ibid.* pp. lxxxi-lxxxii. 1896.
- 4. Le Pli de la Sainte-Baume et son raccord avec le Pli périphérique d'Allauch. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 663-708, figs., pl. xxiv. [Map, $\frac{1}{80,000}$.] 1896; & *C. R. Soc. géol. France*, 1896, pp. cxcv-cxcvi. 1896.
- 5. Sur l'Interprétation du Massif du Beausset-Vieux. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 709-711. 1896; & *C. R. Soc. géol. France*, 1896, pp. cxvii-cxviii. 1896.
- 6. Nouvelles Observations sur la Tectonique de la Basse-Provence. *Ibid.* xxv. pp. 35-38. 1897.
- 7. Feuilles de Montauban et de Gourdon. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 78-79. 1897.
- See BERTRAND, M.
- FOURNIER, G. Quartz violet à Maredsous. *Ann. Soc. géol. Belg. Liège*, xxiv. p. xxviii. 1897.
- 2. Découverte de Wavellite à Bioulx. *Ibid.* pp. xliii-xliv. 1897.
- 3. Un nouveau Trilobite de l'Étage couvinien. *Ibid.* p. lii, fig. 1897.
- FOX, H. See HINDE, G. J.
- FOX-STRANGWAYS, C. Notes on the Stratigraphy of the Newer Rocks of the Nethersea Borings. *Trans. Fed. Inst. M.E.* xiii. pp. 598-599. 1897. [See BINNS, G. J.]
- , & H. B. WOODWARD. Geology of the London Extension of the Manchester, Sheffield, and Lincolnshire Railway.—Part I. Annesley to Rugby, by C. FOX-STRANGWAYS. *Geol. Mag.* dec. 4, iv. pp. 49-59, figs. 1897. And A.C.—Part II. Rugby to Quainton Road, near Aylesbury, by HORACE B. WOODWARD. *Ibid.* pp. 97-105, figs. 1897. And A.C.
- FRAAS, E. Excursionsbericht über die geologischen Verhältnisse bei Innertkirchen. *Congrès géol. internat.* 1894, vi. pp. 468-472, figs. 1897.
- 2. Ueber fossile Glasschwämme. *Jahresh. Ver. Naturk. Württ.* liii. pp. vii-ix. 1897.
- 3. Kurzer historischer Rückblick auf die Entwicklung der Geologie in Württemberg. *Zeitschr. deutsch. geol. Gesellsch.* xlviii. pp. 692-695. 1896.
- 4. Ueber pleistocäne Bildungen im schwäbischen Unterlande mit besonderer Berücksichtigung auf Cannstatt. *Ibid.* pp. 696-702, figs. 1896.
- 5. Excursion in die schwäbische Alb. *Ibid.* pp. 716-722. 1896.
- 6. Bericht der Schlussexcursion von Metzendorf bis Essendorf vom 12. bis 17. August [Württemberg]. *Ibid.* pp. 731-734. 1896.
- FRAIPONT, J. La Grotte du Mont Falhise (Anthée). *Bull. Acad. Sci. Belg.* ser. 3, xxxiii. pp. 47-51, 1 pl. 1897.
- , & F. TIHON. Explorations scientifiques des Cavernes de la Vallée de la Mehaigne. *Mém. cour. Acad. Roy. Belg.* (8vo) liv. no. 1, pp. 1-55, pls. i-viii. 1896.
- FRAMES, M. E. A few Observations on the Potchefstroom and Klerksdorp Districts. *Trans. Geol. Soc. S. A.* ii. pp. 87-90. 1897.
- 2. Notes on the Coalfields of the Transvaal. *Ibid.* pp. 150-155, pl. 1897.
- FRANCHI, S. Sulla Presenza del nuovo Minerale Lawsonite come Elemento costituente in alcune Rocce italiane. *Atti R. Acc. Sci. Torino*, xxxii. 1896-97, pp. 260-265. 1897.
- 2. Sopra alcuni nuovi Giacimenti di Rocce a Lawsonite. *Boll. Soc. geol. ital.* xvi. pp. 73-76. 1897.
- , & G. DI-STEFANO. Sull' Età di alcuni Calcari e Calcescisti fossiliferi delle Valli Grana e Maira nelle Alpi Cozie. *Boll. R. Com. geol. Ital.* xxvii. pp. 171-180. 1896.
- FRANCHIS, F. DE. Ricerche sui Terreni del Bacino di Galatina (Prov. di Terra d'Otranto). *Boll. Soc. geol. ital.* xvi. pp. 122-140, pl. vi. [Map, $\frac{1}{50,000}$.] 1897.
- FRANKLAND, E. The Past, Present, and Future Water Supply of London. *Proc. Roy. Inst. Gt. Br.* xv. pp. 53-74. 1897.
- FRANKLAND, P. London Water Supply. *Journ. Soc. Arts*, xlv. pp. 610-625. 1897.
- FRASER, J. See BELL, D.
- FRAZER, P. Notes on the Northern Black Hills of South Dakota. *Trans. Am. Inst. M. E.* 1897. (Pp. 1-28, figs. [maps].) 1897. A.C.
- FRECH, F. Ueber den Gebirgsbau der Radstädter Tauern. *Sitz. k.-preuss. Akad. Wissensch. Berlin*, 1896, pp. 1255-1277, figs. 1896.
- 2. Ueber Abgrenzung und Benennung der geologischen Schichtengruppen. *Congrès géol. internat. Mém.* no. 3, pp. 1-52. 1897.

- *FRECH, F. 3. *Lethæa geognostica*, oder Beschreibung und Abbildung für die Gebirgs-Formationen bezeichnendsten Versteinerungen. I. Theil. *Lethæa palæozoica*, von F. RÖMER, i. no. 3, pp. i-vi, 545-688, figs., 2 pls. 8vo. Stuttgart, 1897.
- *— 4. *Ibid.* ii. no. 1, by F. FRECH, pp. 1-256, figs., 13 pls. & 3 maps. 8vo. Stuttgart, 1897.
- *FRENZEL, A. Mineralogisches. [Vorkömmnisse von Zschorlau, Kupferglanz, Wolframit, Agricolit, & Arsen.] *Min. petr. Mitth.* no. xvi. pp. 523-529. 1897.
- See PENFIELD, S. L.
- FRESENIUS, C. R., & H. FRESENIUS. Chemische Untersuchung der Adler-Quelle zu Wiesbaden und Vergleichung der Resultate mit der Analyse des Wiesbadener Kochbrunnens. *Jahrb. nassauisch. Ver. f. Naturk.* l. pp. 3-21. 1897.
- FRIEDEL, G. Sur une Variété de Calcite cristallisée de Cornillon (Loire). *Bull. Soc. franç. Min.* xix. pp. 215-218. 1896.
- 2. Nouveaux Essais sur les Zéolithes. *Ibid.* pp. 363-390. 1896.
- 3. Sur un Chloro-aluminate de Calcium hydraté se maclant par compression. *Ibid.* xx. pp. 122-136, figs., pl. v. 1897.
- FRITSCH, K. VON. Pflanzenreste aus thüringer Culm-Dachschiefer. *Zeitschr. f. Naturwiss. Leipzig*, lxx. pp. 79-102, pls. i-iii. 1897.
- See MERKEL, O.
- FROMME, J. Ueber Minerale aus dem Radauthale. *Jahresb. Ver. Naturw. Braunschweig*, x. pp. 119-122. 1897.
- 2. Zweite Mittheilung über den Kalkspath in Korallenkalk (Korallenoolith) bei Bremke am Ith. *Ibid.* pp. 247-259, pls. i-ii. 1897.
- FROSTERUS, B. Om de Åländska Bergarternas praktiska Användbarhet. *Meddel. Industristyr. Finland*, xxv. pp. 103-122, pl. [Map, Åland, $\frac{1}{400,000}$] 1896.
- FRUH, J. Aperçu des Objets exposés pendant le Congrès au Polytechnikum de Zürich. *Congrès géol. internat.* 1894, vi. pp. 696-704. 1897.
- 2. Ueber Moorausbrüche. *Vierteljahrsschr. naturforsch. Gesellsch., Zürich*, 1897, pp. 202-237. 1897. A.C.
- See NÜESCH, J., &c.
- FRYAR, W. The Mineral Resources of the Colony of Queensland. *Trans. Fed. Inst. M. E.* xiii. pp. 356-371, pl. xix. [Map, 1 inch=170 miles.] 1897; & *Trans. N. Engl. Inst. M. E.* xlvi. pp. 210-225, pl. xix. [Map.] 1897.
- FUCHS, T. Vorläufige Mittheilung über einige Versuche, verschiedene, in das Gebiet der Hieroglyphen gehörige, problematische Fossilien auf mechanischem Wege herzustellen. *Sitz. k. Akad. Wissensch. Wien*, cv. Abth. I. pp. 417-432. 1896.
- FUCINI, A. Fossili del Lias medio del Monte Calvi presso Campiglia Marittima. *Atti Soc. tosc. Sci. nat.* x. pp. 122-126. 1896.
- *— 2. La Fauna del Lias medio del Monte Calvi presso Campiglia Marittima. *Palæontographia italica*, 1896, ii. pp. 203, pls. xxiv-xxv. 1897.
- FUGGER, E. B. La Caverne du Schafberg (Salzburg). *Spelunca*, iii. pp. 31-36. 1897.
- FULLER, M. L. A new Occurrence of Carboniferous Fossils in the Narragansett Basin. *Proc. Boston Soc. Nat. Hist.* xxvii. pp. 195-199. 1896.
- See CROSBY, W. O.
- *FUTTERER, K. Die allgemeinen geologischen Ergebnisse der neuer Forschungen in Central-Asien und China. *Peterm. Mitth., Ergänzungsheft*, no. 119, pp. 1-60, pls. i & ii. [Map, $\frac{1}{12,500,000}$] 1896.
- 2. Beiträge zur Geologie des Süd-Ural. *Zeitschr. f. prakt. Geol.* 1897, pp. 193-201, 338-347, figs. 1897.
- *— 3. Ein Beispiel für Winderosion am Heidelberger Schloss. *Mitth. badisch. geol. Landesanst.* iii. pp. 471-497, figs., pls. xiv-xvi. 1897.
- *GABELLI, L. Alcune Considerazioni sulla Nota 'L'Ascendance de l'Érable Plane' del Pierre Marty. *Riv. ital. Paleont. Parma*, ii. pp. 346-351. 1896.
- GAEBLER, C. Die Sattelflötze und die hangenden Schichten auf der nördlichen Erhebungsfalte des oberschlesischen Steinkohlenbeckens. Theil II. Die Rudaer Schichten. *Zeitschr. f. Berg-, Hütt.-Salinenw.* xlv. p. 465. 1896.
- GAILLARD, C. Nouveau Genre d'Insectivores du Miocène moyen de la Grive-Saint-Alban (Isère). *C. R. Acad. Sci. Paris*, ccxv. pp. 1248-1250. 1897.
- See CHANTRE, E.
- GAIT, E. A., &c. Report on the Earthquake of the 12th June, 1897, so far as it affected the Province of Assam. Pp. 1-72, figs. Fol. Calcutta, 1897.
- GALLINEK, E. Der obere Jura bei Inowrazlaw in Posen. *Verh. russ.-k. min. Gesellsch.* ser. 2, xxxiii. pp. 353-427, figs., pls. ix-xi. 1895.

- GALLOWAY, R. L. Annals of Coalmining and the Coal Trade. *Coll. Guard.* lxxii. pp. 1201-1202. 1896; lxxiii. pp. 15-16, 63-64, 109-111, 153-159, 201-203, 249-250, 297-298, 347-348, 393-394, 437-438, 488, 551-552, 598, 625-626, 671, 719-720, 761, 805-806, 853-856, 900-901, figs. [Map, Northumberland & Durham, 1 inch = 14 miles.] 1897.
- GANNETT, H. The Flood of April 1897 in the Lower Mississippi. *Scot. Geogr. Mag.* xiii. pp. 419-421, fig. [Map.] 1897.
- GANONG, W. F. Notes on the Natural History and Physiography of New Brunswick. *Bull. Nat. Hist. Soc. New Brunswick*, no. xiv. pp. 40-52, figs. 1896.
- GARDINER, C. I., & S. H. REYNOLDS. An Account of the Portrairie Inlier (Co. Dublin). With an Appendix on the Fossils by F. R. C. REED. *Q. J. G. S.* liii. pp. 520-539, pls. xlii-xliii. [Map, 4 inches = 1 mile.] 1897.
- GARDNER, J. S. The Bournemouth Leaf-beds. *Proc. Dorset Nat. Hist. & Antiq. F. C.* xvi. pp. 178-184. 1895.
- GARNIER, J. Gold and Diamonds in the Transvaal and the Cape. *Trans. Geol. Soc. S. A.* ii. pp. 91-120, pls. [Map, Witwatersrand &c., 1 inch = 10 miles.] 1897.
- GARRARD, J. J. New Coalfields in Zululand. [Abstract.] *Coll. Guard.* lxxiv. p. 574. 1897.
- GARWOOD, E. J. Life Zones in the British Carboniferous Rocks. *Rep. Brit. Assoc.* 1896, lxvi. pp. 415-416, 1896; & *Geol. Mag.* dec. 4, iv. pp. 556-557. 1897.
- GASCOYNE, R. Transvaal Coalfields. *Trans. Fed. Inst. M. E.* xiii. pp. 414-429. 1897.
- GAUBERT, P. Sur la Production artificielle de la Macle des Spinelles dans les Cristaux d'Azotate de Plomb. *Bull. Soc. franç. Min.* xix. pp. 431-434. 1896.
- 2. Revue des Espèces minérales nouvelles. *Ibid.* xx. pp. 163-165. 1897.
- 3. —. Bixbyite, Røblingite, Wellsite, Gersbyite. *Ibid.* pp. 198-202. 1897.
- 4. Sur la Tétartoédrie de la Calcite. *Bull. Mus. Hist. nat. Paris*, 1897, pp. 39-40. 1897.
- GAUDRY, A. Quelques Mots à propos de la Mort de Sir Joseph Prestwich. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 648-649. 1896.
- 2. La Dentition des Ancêtres des Tapirs. *Ibid.* ser. 3, xxv. pp. 315-325, pl. ix. 1897.
- 3. Le Congrès géologique international de Saint-Pétersbourg. *C. R. Acad. Sci. Paris*, cxv. pp. 561-563. 1897. And A.C.
- GAUTIER, F. Estudio geológico de la Mina de Plata 'El Inca' [21 kilo. N.W. of Calama (Tocopilla)]. *Bol. Soc. Nac. Minería, Santiago*, ser. 2, viii. pp. 191-192. 1896.
- GEER, G. DE. Om Rullstensåsarnas Bildningssätt. *Geol. Fören. Stockh. Förh.* xix. pp. 366-388. 1897.
- GEIKIE, SIR A. On some Crush-Conglomerates in Anglesey. *Rep. Brit. Assoc.* 1896, lxvi. pp. 806-807. 1896.
- 2. The Latest Volcanoes of the British Isles. *Proc. Geol. Soc. Glasgow*, x. pp. 179-197. 1896.
- 3. Sur la Structure rubannée des plus anciens Gneiss et des Gabbros tertiaires. *Congrès géol. internat.* 1894, vi. pp. 137-144. 1897.
- 4. The Old Red Sandstone of Lorne. *Nature*, lvi. pp. 157-158. 1897.
- 5. The Ancient Volcanoes of Great Britain. [2 vols.] I. pp. i-xxiv, 1-477, figs., maps i-iv [British Isles, North Wales, 'Lake Caledonia,' Scotland]. II. pp. i-xvi, 1-492, figs., maps i-iv [Scotland, North-East Ireland]. 8vo. London. 1897.
- *— 6. The Founders of Geology. Pp. i-x, 1-297. 8vo. London, 1897.
- (Director-General) 7. Annual Report of the Geological Survey and Museum of Practical Geology for the Year ending December 31, 1895. Pp. 1-48. Appendix to the 43rd Report of the Department of Science and Art. 8vo. London, 1896. And 1896, pp. 1-108, 4 pls., 44th *id.* 1897.
- (—) 8. Geological Survey of England and Wales. Index Map, 1 inch = 4 miles. 1896-97.—1. Title †; 2. Northumberland, &c. †; 3. Index of Colours †; 4. Isle of Man †; 5. Lake District, Lancashire, Yorkshire; 6. Yorkshire coast †; 7. North Wales †; 9. Norfolk, Suffolk, &c. †; 10. South Wales †; 11. West of England †; 13. Devon and Cornwall †; 15. South Coast †.
- GEIKIE, J. The last great Baltic Glacier. *Journ. Geol. Chicago*, v. pp. 325-339. 1897.
- 2. Excursion from Bathgate to Linlithgow. *Proc. Geol. Assoc.* xv. pp. 145-149. 1897.

- GEIKIE, J. 3. Excursion from St. Monans to Elie. *Ibid.* pp. 149-151. 1897.
- 4. The Prehistoric Rock-Shelter at Schweizersbild, near Schaffhausen. *Scot. Geogr. Mag.* xiii. pp. 466-475. 1897.
- See KEILHACK, K.
- GEINITZ, H. B. *Kreischeria Wiedei* Gein., fossiler Pseudoscorpion, Unicum, gefunden im Querschlag der 610^m Sohle des Steinkohlenwerkes 'Morgenstern' in Reinsdorf bei Zwickau. *K. Min. Mus. Dresden.* A sheet. 1897.
- GENTIL, L. Sur quelques Gisements ophitiques de l'Algérie. *C. R. Soc. géol. France*, 1896, pp. xc-xcii. 1896.
- 2. Sur les Minéraux d'un Cratère ancien des Environs d'Ain-Temouchent [Algérie]. *C. R. Assoc. franç. Av. Sci.* 1896, xxv. pt. 2, pp. 293-300, figs. 1897.
- See CURIE, J.
- GERHARDT, K. See STEINMANN, G.
- *GERLAND, G. Vulkanistische Studien. I. Die Koralleninseln, vornehmlich der Südsee. *Beitr. z. Geophys. Stuttgart*, ii. pp. 25-70. 1894.
- 2. Zu Pytheas Nordlandsfahrt, Strabo C. 104. *Ibid.* pp. 185-196. 1894.
- GERRARD, J. G. See ATKINSON, J. B., &c.
- GERRARD, J. J. Report on the Mining Industry of Zululand for the year 1896. Pp. 1-72, figs. 8vo. Pietermaritzburg, 1897.
- GESELL, A. Die montan-geologischen Verhältnisse von Zalatzna und Umgebung. *Jahresb. k.-ung. geol. Anst.* 1894, pp. 129-152, fig. 1897.
- 2. Die geologischen Verhältnisse des Kremnitzer Bergbaugebietes vom montan-geologischen Standpunkte. *Mitth. Jahrb. k.-ung. geol. Anst.* xi. pp. 199-257, figs., pls. vii-viii. [2 Maps, Kremnitz District, $\frac{1}{14,400}$] 1897.
- GEYER, G. Zur Stratigraphie der Gailthaler Alp in Kärnten. *Verh. k.-k. geol. Reichsanst.* 1897, pp. 114-127. 1897.
- GIBSON, W. The Geology of the Gold-bearing and Associated Rocks of the Southern Transvaal. [Map, 1 inch - 4 miles.] *Q. J. G. S.* xlvi. pp. 404-437, pls. x. & xi. 1892. A.C.
- 2. Geology of the Southern Transvaal. *Trans. Fed. Inst. M. E.* vi. pp. 124-133, pls. ii. & iii. [Map, 1 inch = 5 miles.] 1893. A.C.
- 3. The Geology of Africa in Relation to its Mineral Wealth. *Ibid.* xii. pp. 303-322, pls. xvii. & xviii. [Map, $\frac{1}{24,000,000}$] 1897. And A.C.
- 4. The Age of the Rand Beds. *Geol. Mag.* dec. 4, iv. pp. 548-550. 1897.
- See STRAHAN, A.
- &c. Geological Survey of England and Wales. 1 inch = 1 mile. Sheet 82 N.E. Worksop (Notts); &c., n. ed. 1897.
- GILBERT, G. K. The Moon's Face; a Study of the Origin of its Features. *Bull. Phil. Soc. Washington*, xii. pp. 241-292, figs., pl. iii. 1895.
- 2. Laccolites in South-eastern Colorado. *Journ. Geol. Chicago*, iv. pp. 816-825, figs. [Maps.] 1896. A.C.
- 3. Old Tracks of Erian Drainage in Western New York. *Bull. Geol. Soc. Am.* viii. pp. 285-286. 1897.
- GILES, W. B. Vanadium in Rutile. *Chem. News*, lxxvi. p. 137. 1897.
- GILL, T. Huxley and his Work. *Ann. Rep. Smiths. Inst.* 1895, pp. 759-779, pl. lxxiv. 1897.
- GILPIN, E., JUN. Coal Mining in Pictou County (N. S.). *Proc. & Trans. Roy. Soc. Canada*, ser. 2, ii. sec. iv. pp. 167-179, 1 pl. [Map.] 1896. And A.C.
- 2. The Undeveloped Coalfields of Nova Scotia. *Trans. N. S. Inst. Sci.* ix. pp. 134-149. 1896. And A.C.
- 3. Report of the Department of Mines, Nova Scotia, for the year ending September 30, 1896. Pp. 1-76. 8vo. Halifax, 1897.
- *GIRARDOT, L. A. Matériaux pour la Géologie du Jura. Jurassique inférieur lédonien. Coupes des Étages inférieurs du Système jurassique dans les Environs de Lons-le-Saunier. Pp. i-xxviii, 1-897, pls. i-vii. 8vo. Paris, 1896.
- GIROD, P. Les anciens Glaciers et les Alpinistes préhistoriques. *Ann. Club alpin français*, 1895, xxii. pp. 465-484. 1896.
- GIRTÝ, G. H. A Revision of the Sponges and Cœlenterates of the Lower Helderberg Group of New York. *Ann. Rep. N.Y. Geol. Surv.* xiv. pp. 279-321, pls. i-vii. 1896; & *Ann. Rep. N.Y. State Mus.* xlvi. pt. 2, pp. 279-322, pls. i-viii. 1896.
- GLANGEAUD, P. Sur la Faune de passage du Bajocien au Bathonien au Sud du Déroit du Poitou. Réponse à M. JULES WELSCH. *Bull. Soc. géol. France*, ser. 3, xxiv. p. 488. 1896; & *C. R. Soc. géol. France*, 1896, pp. cxiv-cxv. 1896.
- 2. Sur le Jurassique supérieur des Environs d'Angoulême. *Bull. Soc. géol. France*, ser. 3, xxv. pp. 32-33. 1897.
- 3. Les Dislocations du Sol aux Environs de Montbron (Charente). *Bull. Mus. Hist. nat. Paris*, 1896, pp. 351-354, fig. [Map, Montbron.] 1896.

- GLANGEAUD, P. 4. Sur les Poissons et les Reptiles du Jurassique des Environs de Poitiers, d'Angoulême et de La Rochelle. *C. R. Soc. géol. France*, 1896, pp. lx-lxii. 1896.
- 5. Feuille d'Angoulême. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 79-82. 1897.
- 6. Feuille de Prigueux. *Ibid.* pp. 82-83. 1897.
- 7. Feuille de Rochecouart. *Ibid.* pp. 84-89, fig. [Map, Montbron (Charente).] 1897.
- 8. Sur quelques Points de la Géologie des Environs de Bourgneuf (Creuse). *C. R. Acad. Sci. Paris*, cxxiv. pp. 585-587. 1897.
- See WELSCH, J.
- GLENN, W. Chromic Iron, with Reference to its Occurrence in Canada. *Ann. Rep. U.S. Geol. Surv.* xvii. 1895-96, pt. iii. pp. 261-273. 1896.
- GOBLET D'ALVIELLA, COUNT E. Silex néolithiques et paléolithiques de Court-Saint-Étienne. *Bull. Acad. Sci. Belg.* ser. 3, xxxiii. pp. 286-296, pls. i-iii. & Map $\frac{1}{50,000}$. 1897.
- GOLDSCHMIDT, V. Ueber Entwicklung der Krystallformen. *Zeitschr. f. Kryst.* xxviii. pp. 1-35, 414-451, figs., pls. v-viii. 1897.
- *GOLOVKINSKI, N., & A. LAGORIO. Itinéraire géologique d'Alouchta à Sébastopol par Yalta, Bakhtchissarai et Mangoup-Kalé. *Guide, VII. Congrès géol. internat.* 1897, no. 33, pp. 1-28, figs., pls. A-B. [Map, Mont Scharkha.] 1897.
- GONNARD, F. Études cristallographiques sur la Calcite des Carrières de Couzon (Rhône). *Bull. Soc. franç. Min.* xx. pp. 18-52, figs. 1897.
- 2. Sur des Cristaux de Calcite provenant du Tunnel de Collonges (Rhône). *Bull. Soc. franç. Min.* xx. pp. 121-122. 1897.
- 3. Sur le Corindon de l'Arrondissement de Biella (Italie). *Ibid.* pp. 177-181. 1897.
- 4. Note rectificative. [Pinite.] *Ibid.* pp. 181-182. 1897.
- GONZÁLEZ, I. O. See AGUILERA, J. G.
- GOODCHILD, J. G. Obituary Notice of Dr. Robert Brown. *Proc. R. Phys. Soc. Edinb.* xiii. pp. 253-254. 1896.
- 2. Some Geological Evidence regarding the Age of the Earth. *Ibid.* pp. 259-308. 1897. A.C.
- 3. An Outline of the Geological History of the Rocks around Edinburgh. *Proc. Geol. Assoc.* xv. pp. 117-143, pl. vi. 1897.
- 4. Science and Art Department, Edinburgh Museum of Science and Art. Guide to the Collections Illustrative of Scottish Geology and Mineralogy. Part I. Collection of the Geological Survey. 3rd Edition, pp. 1-31, fig. 8vo. Edinburgh, 1897.
- See DAKYNS, J. R.; see FOSTER-BARHAM, H. G.
- GORODZEV, W. Oberjurassische Bildungen in der Umgegend der Stadt Jaroslawlj. *Ann. géol. min. Russie*, ii. no. 1, pp. 30-31. 1897.
- GOSLING, A. Izalco and other Volcanoes in Central America. *Q. J. G. S.* liii p. 221. 1897.
- GOSSELET, J. Réponse à la Note de M. FOIRIE: Sur la Série rhénane des Planchettes de Felenne, de Vencimont et de Pondrôme. *Ann. Soc. géol. Belg., Liège*, xxiv. pp. xxxii-xxxiv. 1897.
- 2. Note sur la Terminaison méridionale du Massif cambrien de Stavelot et sur le Grès de Samrée. *Ann. Soc. géol. Nord*, xxiv. pp. 10-18, fig. [Map, Odeigne (Luxemburg).] 1896. A.C.
- 3. Note sur les Gîtes de Phosphate de Chaux d'Hem-Monacu, d'Étaves, du Ponthieu, &c. *Ibid.* pp. 109-134, pls. i-iii. 1897. And A.C. [See PARENT, H.]
- 4. Carte géologique. Feuille de Lille. [Notice.] *Ibid.* pp. 165-174. 1897. And A.C.
- & — GRANGE. Excursion en Ardenne faite du 5 au 13 août 1895. 2^e partie. *Ibid.* pp. 268-297. 1897.
- GOUROV, A. Hydro-geological Survey of the Districts of Pavlograd and Bakhmuth (Gov. Ekaterinoslav). Pp. 1-529, 10 sheets of map & 4 of sections. 8vo. Kharkov, 1894. [In Russian.]
- GRAEFF, F. Ueber eigenthümliche Kontaktverhältnisse zwischen dem krystal-linen Kern und der Sedimenthülle auf der Südostflanke des Montblancmassivs. *Congrès géol. internat.* 1894, vi. pp. 262-265. 1897.
- GRAND'EURY, —. Forêt fossile de *Calamites Suckowii*. Identité spécifique des *Cal. Suckowii* Br., *Cistii* Br., *Schatzlarensis* St., *foliosus* Gr., *Calamocladus parallelinervis* Gr., *Calamostachys vulgaris* Gr. *C. R. Acad. Sci. Paris*, cxxiv. pp. 1333-1336. 1897.

- GRANER, —. Die geographische Verbreitung der Laub- und Nadelhölzer. *Jahresh. Ver. Naturk. Württ.* liii. pp. 142-179. 1897.
- GRANGE, —. See GOSSELET, J.
- GRANGER, H. G. Gold in the Guyanas. *Trans. Am. Inst. M. E.* xxvi. pp. 516-526. 1897.
- GRANT, C. C. Notes on some recent Additions to Ontario Palæontology. *Journ. Hamilton Assoc. (Canada)*, xiii. pp. 20-26. 1897.
- 2. Local Palæontological Notes in Continuation. *Ibid.* pp. 27-33, 34-37. 1897.
- 3. The Minerals of our Local Rocks. *Ibid.* pp. 38-43. 1897.
- *GRANT, U. S. Lakes with two Outlets in North-eastern Minnesota. *Am. Geol.* xix. pp. 407-411. 1897.
- GRECO, B. A proposito dell'Età dei Calcari marnosi arenacei varicolori del Circondario di Rossano Calabro. *Atti Soc. tosc. Sci. nat.* x. pp. 183-187. 1896.
- GREEN, U. Excursion to Chesham and Cowcroft (Tyler's Hill). *Proc. Geol. Assoc.* xv. pp. 87-90. 1897.
- GREENLY, E. On the Occurrence of Sillimanite Gneisses in Central Anglesey. *Rep. Brit. Assoc.* 1896, lxvi. p. 783. 1896.
- 2. On Quartzite Lenticles in the Schists of South-eastern Anglesey. *Ibid.* pp. 783-784. 1896.
- GREENWELL, G. C. The Correlation of the Dover and Somersetshire Coalfields. *Coll. Guard.* lxxiv. p. 1114. 1897.
- 2. The Guernsey Quarries. 'Quarry,' 1897 (4 pp.), figs. 1897.
- GREGORIO, A. DE. Sur la Terminologie des Parts des Coquilles de Mollusques. *Congrès géol. internat.* 1894, vi. pp. 321-327. 1897.
- 2. Quelques Observations sur la Méthode des Ouvrages paléontologiques, surtout sur la Disposition des Figures dans les Planches, sur les Index et sur les Titres. *Ibid.* pp. 328-331. 1897.
- GREGORY, J. W. On the Age of the Morte Slate Fossils. *Geol. Mag.* dec. 4, iv. pp. 59-62. 1897.
- 2. Some Problems of Arctic Geology. *Nature*, lvi. pp. 301-303, figs., pp. 351-352. 1897.
- 3. On *Lysechinus*, a new Genus of Fossil Echinoderms from the Tyrolese Trias. *Proc. Zool. Soc. London*, 1896, pp. 1000-1005, pl. li. 1897.
- 4. On the Classification of the Palæozoic Echinoderms of the Group Ophiuroidea. *Ibid.* pp. 1028-1044. 1897.
- 5. On the Affinities of the Echinothuridæ, and on *Pedinothuria* and *Helikodiadema*, two new Genera of Echinoidea. *Q. J. G. S.* liii. pp. 112-122, pl. vii. 1897.
- 6. On *Echinocystis* and *Palæodiscus*, two Silurian Genera of Echinoidea. *Ibid.* pp. 123-134, pl. vii. 1897.
- GRESLEY, W. S. Traces of Organic Remains from the Huronian (?) Series! at Iron Mountain (Mich.), &c. *Trans. Am. Inst. M. E.* xxvi. pp. 527-534, 4 pls. 1897. And A.C.
- 2. Faulting in Glacial Gravel. *Ibid.* pp. 1102-1103, fig. 1897. And A.C. [See HENRICH, C.]
- 3. Remarks on some interesting Coal-Measure Sections in the Leicestershire and South Derbyshire Coalfield. *Trans. Manch. Geol. Soc.* xxv. pp. 95-105, figs. 1897.
- 4. Coal: a new Explanation of its Formation; or the Phenomena of a New Fossil Plant considered with reference to the Origin, Composition, and Formation of Coal-beds. *Q. J. G. S.* liii. p. 245. 1897.
- GRIFFIN, C., &c. Year-book of the Scientific and Learned Societies of Great Britain and Ireland: comprising Lists of the Papers read during 1896. Pp. i-iv, 1-270. 1897.
- GRIFFITH, N. R. See BRADY, F.
- GRIMSHAW, J. W. See ETHERIDGE, R., JUN., &c.
- GRIMSLEY, G. P. Gypsum in Kansas. *Kansas Univ. Quart.* vi. pp. 15-27, figs., pls. iii-vi. 1896.
- *— 2. The Study of Natural Palimpsests. [Metamorphic Rocks.] *Am. Geol.* xix. pp. 15-21. 1897.
- 3. Gypsum Deposits of Kansas. *Bull. Geol. Soc. Am.* viii. pp. 227-240, figs., pl. xxi. [Map.] 1897.
- GRISWOLD, L. S. See AGASSIZ, A.
- GRÖNWALL, K. A. Öfversikt af Skånes yngre öfversiluriska Bildningar. *Geol. Fören. Stockh. Förh.* xix. pp. 188-244, pls. ii. & iii. 1897. And A.C.
- GROSSOUVRE, A. DE. Sur le Genre *Neoptychites*. *C. R. Soc. géol. France*, 1896, pp. xxxiii-xxxiv. 1896.

- GROSSOUVRE, A. DE. 2. [Sur la Succession des Couches à Hippurites à Rennes-les-Bains.] *Ibid.* p. cclvi. 1896.
- 3. Sur la Limite du Crétacé et du Tertiaire. *Bull. Soc. géol. France*, ser. 3, xxv. pp. 57-80. 1897.
- 4. Tertiaire de la Sologne. *Bull. Serv. Carte géol. France*, ix. no. 58, pp. 1-4, fig. 1897.
- 5. Oxfordien et Rauracien de l'Est et du Sud-ouest du Bassin de Paris. *Ibid.* pp. 5-10, fig. 1897.
- 6. Feuille d'Angoulême. *Ibid.* no. 59, p. 89. 1897.
- See TOUCAS, A.
- GROVES, T. B. Water Analysis a Hundred Years Ago. [Mineral Waters, Nottingon (Dorset).] *Proc. Dorset Nat. Hist. & Antig. F. C.* xvii. pp. 141-145. 1897.
- GRUBENMANN, U. Sur les Roches filoniennes de la Tonalite. *C. R. Soc. helv. Sci. nat.* 1896, pp. 147-148. 1896.
- GRUNDY, J. Report of the Inspection of Mines in India for the year ending June 30th, 1896. Pp. i-ii, 1-97. Fol. Calcutta, 1897.
- GRZYBOWSKI, J. Mikroskopische Studien über die grünen Conglomerate der ostgalizischen Karpathen. *Jahrb. k.-k. geol. Reichsanst.* xlvii. pp. 293-308. 1896.
- 2. Otwornice czerwonych ilow z Wadowie. *Rozpr. Akad. Umiej. Krakow*, ser. 2, x. pp. 261-308, pls. viii-xi. 1896.
- 3. Die Mikrofauna der Karpathen-bildungen. II. Foraminiferen der naphtha-führenden Schichten der Umgebung von Krosno. *Bull. internat. Acad. Sci. Cracovie*, 1897, pp. 180-186. 1897.
- GUCKLER, J. Das Reichensteiner- und Bielengebirge. Ein Beitrag zur Kenntniss des schlesischen Gebirgslandes. *Jahrb. k.-k. geol. Reichsanst.* xlvii. pp. 157-198. 1897.
- GUEBHARD, A. Tectonique d'un Coin difficile des Alpes-Maritimes. *C. R. Assoc. franc. Av. Sci.* 1894, xxiii. pp. 489-496, figs. 1895. A.C.
- 2. Propositions générales de Représentation graphique des Accidents tectoniques. *Bull. Soc. géol. France*, ser. 3, xxv. pp. 440-442, figs. 1897. A.C.
- 3. Esquisse géologique de la Commune de Mons (Var). *Bull. Soc. Sci. Draguignan*, xx. pp. 5-100, figs., pls. i-ii. [Map, Mons (Var), $\frac{1}{50,000}$.] 1897. A.C.
- See KILIAN, W., &c.
- *GUILLIER, A. Géologie du Département de la Sarthe. Pp. i-xii, 1-430, figs. 4to. Le Mans, 1886.
- GULLIVER, F. P. Cuspate Forelands. *Bull. Geol. Soc. Am.* vii. pp. 399-422, figs., pl. xviii. 1896. A.C.
- 2. Dungeness Foreland. *Geogr. Journ.* ix. pp. 536-546, figs. 1897.
- GÜMBEL, C. W. VON, — REISS, A. SCHWAGER, & — PRAFF. Ueber die Grünerde von Monte Baldo. *Sitz. k.-bayr. Akad. Wissensch.* 1896, pp. 545-604. 1897. And A.C.
- GUNN, W. Geology of the Country between Norham and Tweedmouth in Northumberland: n. s. Sheet 1 (110 N.W. Old Series). *Mem. Geol. Surv. England & Wales*, pp. 1-20, fig. 1897.
- 2. The Geology of the Coast South of Berwick-on-Tweed: n. s. Sheet 2. *Ibid.* pp. 1-35, fig. 1897.
- , & J. R. HILL. The Geology of Cowal, including the Part of Argyllshire between the Clyde and Loch Fyne. With Petrological Notes by J. J. H. TRALL and F. H. HATCH. Pp. i-vi, 1-333, figs., pls. i-viii. [Map, 1 inch = 4 miles.] *Mem. Geol. Surv. Scotland.* 1897.
- GÜNTHER, A. Address delivered at the Anniversary Meeting of the Linnean Society of London, 1897. [Fauna of the Deep Sea.] *Proc. Linn. Soc.* 1897, pp. 16-54. 1897. And A.C.
- GÜNTHER, R. T. The Phlegræan Fields. *Geogr. Journ.* x. pp. 412-432, figs. & 4 maps; pp. 477-499, figs. & pls. v-vii. [Maps, Camaldoli, near Naples.] 1897.
- *GÜNTHER, S. Luftdruckschwankungen in ihrem Einflusse auf die festen und flüssigen Bestandtheile der Erdoberfläche. *Beitr. z. Geophys. Stuttgart*, ii. pp. 71-152, figs. 1894.
- *— 2. 'Hylokinese,' eine Vorläuferin der terrestrischen Morphologie. *Ibid.* iii. pp. 19-33, figs. 1896.
- GUPPY, H. B. On the Summit of Mauna Loa. *Nature*, lvii. pp. 20-21. 1897.
- GUPPY, R. J. L., & WILLIAM HEALEY. Descriptions of Tertiary Fossils from the Antillean Region. *Proc. U.S. Nat. Mus.* xix. pp. 303-331, pls. xxvii-xxx. 1896. A.C.

- GÜRICH, G. Das Paläozoicum im polnischen Mittelgebirge. *Verh. russ.-k. min. Gesellsch.* ser. 2, xxxii, pp. 1-539, pls. i-xv & map, $\frac{1}{1,200,000}$. 1896.
- 2. Bemerkungen zur Gattung *Monograptus*. *Zeitschr. deutsch. geol. Gesellsch.* 1896, xlviii, pp. 954-962, figs. 1897.
- 3. Zur Theorie der Diamantlagerstätten in Südafrika. *Zeitschr. f. prakt. Geol.* 1897, pp. 145-148. 1897.
- GUTZWILLER, A. See NÜESCH, J., &c.
- GUYER-ZELLER, —. The proposed Jungfrau Railway, rising to an altitude of 13,670 feet. Pp. i-vii, 1-85, pls. i-x. [Map, $\frac{1}{50,000}$.] 8vo. Zürich, 1897.
- HABERFELNER, J. Zur Geologie der Valsugana und des Pinethals (Süd-Tirol). *Zeitschr. f. prakt. Geol.* 1897, pp. 224-226. 1897.
- HABERT, P. C. Neue Zeolithvorkommnisse in den Tiroler Centralalpen. [Chabasit, Desmin, Heulandit (Stilbit), Skolezit, Apophyllit, Thomsonit, Prehnit.] *Zeitschr. f. Kryst.* xxviii, pp. 239-263. 1897.
- HACKMAN, V. Ueber eine neue Form am Realgar von Allchar in Macedonien. *Ibid.* xxvii, pp. 608-609. 1897.
- See RAMSAY, W., &c.
- HAGMANN, G. Ein Spatangid aus dem Septarienthon von Laufen (Berner Jura). *Eclogæ Geol. Helv.* v, pp. 53-55, figs. 1897.
- HALAVÁTS, J. Die westliche Umgebung von Karánsebes. *Jahresb. k.-ung. geol. Anst.* 1894, pp. 86-93. 1897.
- 2. Die geologischen Verhältnisse des Alföld (Tieflandes) zwischen Donau und Theiss. *Mitth. Jahrb. k.-ung. geol. Anst.* xi, pp. 117-198, pls. iii-vi. [Map, $\frac{1}{750,000}$.] 1897.
- *HALBFASS, —. Die noch mit Wasser gefüllten Maare der Eifel. *Verh. naturh. Ver. preuss. Rheinl.* liii, pp. 310-335, figs., pls. vi-viii. 1896.
- HALDER, A. H. Mining in Rhodesia. *Trans. Fed. Inst. M. E.* xiii, pp. 609-611. 1897.
- *HALL, C. F. Report of the State Supervisor of Oils. *Ann. Rep. Dep. Geol. &c. Indiana*, xxi, 1896, pp. 502-505. 1897.
- HALL, H. See ATKINSON, J. B., &c.
- HALL, J. Annual Report of the State Geologist for the Year 1894. *Ann. Rep. N.Y. Geol. Surv.* xiv, pp. 9-29. 1896.
- 2. Report of the State Geologist. *Ann. Rep. N.Y. State Mus.* 1894, xlviii, pt. 1, pp. 41-44. 1895. *Ibid.* pt. 2, pp. 9-29. 1896.
- See MCGEE, W. J.
- , & J. M. CLARKE. Geological Survey of the State of New York. Palæontology. Vol. viii. An Introduction to the Study of the Genera of Palæozoic Brachiopoda. Part ii. 4to. Albany (N.Y.). 1894.
- 2. The New Species of Brachiopoda described in 'Palæontology of New York,' Volume viii. Parts 1 & 2, 1892-94. *Ann. Rep. N.Y. Geol. Surv.* xiv, pp. 323-402, pls. i-xiv. 1896.
- HALL, T. S. *Didymograptus caduceus*, Salter, with Remarks on its Synonymy. *Proc. Roy. Soc. Victoria (Aust.)* n. s. viii, pp. 69-73. 1896.
- 2. On the Occurrence of the Anchoring Tubes of *Adeona* in the Older Tertiaries of Victoria, with an Account of their Structure. *Ibid.* ix, pp. 1-4, pl. i. 1897.
- 3. On the Occurrence of Graptolites in North-eastern Victoria. *Ibid.* pp. 183-186. 1897.
- 4. Victorian Graptolites, Pt. 1. *Ibid.* x, pp. 13-16. 1897.
- , & G. B. PRITCHARD. Remarks on the Proposed Subdivision of the Eocene Rocks of Victoria. *Ibid.* viii, pp. 151-168. 1896.
- 2. A Contribution to our Knowledge of the Tertiaries in the Neighbourhood of Melbourne. *Ibid.* ix, pp. 187-229, fig. [map, 1 inch = 4 miles], pl. viii. 1897.
- 3. Geology of the Lower Moorabool. *Ibid.* x, pp. 43-56, pls. i & ii. [Map, 1 inch = 5 miles.] 1897.
- 4. Note on a Tooth of *Palorchestes* from Beaumaris. *Ibid.* pp. 57-59. 1897.
- HALLIMOND, W. T. Notes on the Coal Seams of the Transvaal, and Description of a Modern Pit-Head Plant. *Trans. Fed. Inst. M. E.* xiii, pp. 372-380, pl. xx. [Map, Boksburg Coalfields, 1 inch = 4800 Cape feet.] 1897. And *Trans. N. Engl. Inst. M. E.* xlvi, pp. 210-234, pl. xx. 1897.
- HAMBERG, A. Om Kvikkjokksfjällens Glacierer. *Geol. Fören. Stockh. Förh.* xviii, pp. 621-636, figs. 1897.
- HANKAR, A. Compte-rendu de la Session annuelle extraordinaire de 1895, tenue dans le Nord de la France et dans le Boulonnais, du 17 au 26 août. *Bull. Soc. belge Géol. Brux.* 1895, ix, *Mém.* pp. 427-466. 1897

- HANN, J. See BRÜCKNER, E.
- HANOTEL, —. Grotte de Nichet près Fromelennes (Ardennes). *Spelunca*, iii. pp. 60-71, figs. 1897.
- HANS, J. La Base de l'Étude hydrologique de la Belgique. *Bull. Soc. belge Géol. Brux.* 1895, ix. *Proc. verb.* pp. 77-82, figs. 1896.
- HARGER, H. S. Origin of Diamonds. *Trans. Geol. Soc. S. A.* ii. pp. 124-127. 1897.
- HARGREAVES, T. S., &c. Report on the Gold and Forest Industries of British Guiana for the Year ending June 30th, 1897. *Rep. Inst. Mines & Forests British Guiana*, 1897. 1897.
- HARKER, A. The English Lake District. *Trans. Hull Geol. Soc.* ii. pp. 18-19. 1896.
- HARLE, É. Le Chamois quaternaire des Pyrénées. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 712-713. 1896; & *C. R. Soc. géol. France*, 1896, pp. cxviii-cc. 1896.
- 2. Humerus d'*Ursus spelæus* percés d'un Trou au-dessus du Condyle interne. *Ibid.* xxiv. pp. 808-809. 1897; & *C. R. Soc. géol. France*, 1896, pp. cclxx-cclxxi. 1896.
- HARRIS, G. F. Catalogue of Tertiary Mollusca in the Department of Geology, British Museum (Natural History). Part I. The Australasian Tertiary Mollusca. Pp. i-xxvi, 1-407, pls. i-viii. 8vo. London. 1897.
- HARRISON, J. B. The Rocks and Soils of Grenada and Carriacou, and the Agricultural Chemistry of Cacao. Pp. 1-60. 8vo. London, 1896.
- *HARRISON, W. J. A Bibliography of Norfolk Glaciology, including the Cromer Cliffs, with the Forest Bed Series. *Glac. Mag.* iv. pp. 141-185, 1 pl.; v. pp. 1-33. 1897. And A.C.
- HARRISON, W. J., JUN. An Occurrence of Prehnite in Wales. *Min. Mag.* xi. p. 198. 1897.
- HARROW, G. See BINNS, G. J.
- HARTLEY, W. N. Note on Miss Robertson's Analysis of the Three Rock Mountain Mica. *Min. Mag.* xi. p. 210. 1897. [See O'REILLY, J. P.]
- , & H. RAMAGE. On the Occurrence of Gallium in the Clay-ironstone of the Cleveland District of Yorkshire. *Proc. Roy. Soc.* lx. pp. 393-407. 1897.
- *HARTZ, N. Die dänische Expedition nach Ostgrönland, 1891-92. [Geological Map of Scoresby Sound, $\frac{1}{1,500,000}$, by E. BAY.] *Peterm. Mitth.* xliii. pp. 86-95, pl. viii. 1897.
- HARVEY, A. The Distribution of Aerolites in Space. *Proc. & Trans. Roy. Soc. Canada*, ser. 2, ii. sec. iii. pp. 91-108. 1896.
- HASSELBERG, B. Note on the Chemical Composition of the Mineral Rutile. *Chem. News*, lxxvi. pp. 102-104. 1897.
- HATCH, F. H. A Geological Map of the Southern Transvaal. 1 inch = about $4\frac{1}{2}$ miles. London, 1897.
- 2. Map of the Transvaal showing Physical Features and Political Divisions. 1 inch = 24.78 miles. London, 1897.
- See GUNN, W., &c.
- *HATCHER, J. B. *Diceratherium proavatum*. *Am. Geol.* xx. pp. 313-316, pl. xix. 1897.
- 2. The Cape Fairweather Beds; a new marine Tertiary Horizon in Southern Patagonia. *Am. Journ. Sci.* ser. 4, iv. pp. 246-248, fig. 1897.
- 3. On the Geology of Southern Patagonia. *Ibid.* ser. 4, iv. pp. 327-354, figs. 1897.
- HAUCHECORNE, W. Ueber die Entdeckung von Kohlenlagern am Nyassa. *Zeitschr. deutsch. geol. Gesellsch.* 1896, xlviii. pp. 990-991. 1897.
- HAUER, F., RITTER VON. Beiträge zur Kenntniss der Cephalopoden aus der Trias von Bosnien. II. Nautilen und Ammoniten mit ceratitischen Loben aus dem Muschelkalk von Haliluci bei Sarajevo. *Denkschr. k. Akad. Wissensch. Wien*, lxiii. pp. 237-276, pls. i-xiii. 1896.
- HAUG, E. Etudes sur la Tectonique des Alpes suisses (1^{re} partie). *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 535-594, figs., pl. xxiii. 1896.
- 2. Sur les Plis à Déversement périphérique. *C. R. Soc. géol. France*, 1896, pp. xvi-xviii. 1896.
- 3. Feuilles de Digne et de Gap. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 127-133. 1897.
- 4. Classification et Phylogénie des Goniatices. *C. R. Acad. Sci. Paris*, cxxiv. pp. 1379-1382. 1897.
- See KILLAN, W.
- , & M. LUGEON. Synclinal de Serraval et Montagne de Sulens. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 120-126. 1897.

- HAUTHAL, R. Contribucion al Estudio de la Geología de la Provincia de Buenos Aires. I. Las Sierras entre Cabo Corrientes é Hinojo. *Rev. Mus. La Plata*, vii. pp. 477-489, figs., pls. i-iii. 1896.
- HAWKINS, C. E. Occurrence of Iron Ores and Iron Manufacture in the Weald. *Trans. Fed. Inst. M. E.* xiii. pp. 605-608. 1897.
- See WHITAKER, W.
- HAYDEN, H. H. Report on the Steatite Mines, Minbu District, Burma. *Rec. Geol. Surv. India*, xxix. pp. 71-76. 1896.
- HAYES, C. W. Solution of Silica under Atmospheric Conditions. *Bull. Geol. Soc. Am.* viii. pp. 213-220, fig., pls. xvii-xix. 1897.
- HEAD, J. The Coal Industry of the South-Eastern States of North America. *Trans. Fed. Inst. M. E.* xiii. pp. 177-190, pl. viii. 1897; & *Trans. N. Engl. Inst. M. E.* xlvi. pp. 167-180, pl. viii. [Map.] 1897.
- HECHT, B. Beitrag zur theoretischen Erklärung der Interferenzerscheinungen welche Platten aus Zwillingskrystallen im convergenten polarisirten Lichte zeigen. *N. J. f. Min.* xii. Beilage-Band, pp. 318-354, figs. 1897.
- HEDDLE, M. F. On the Occurrence of Tachylite at Loch Screden, Mull. *Trans. Geol. Soc. Glasgow*, x. pp. 80-95, figs., pl. iii. 1895.
- HEDINGER, A. See NÜESCH, J., &c.
- HEDLEY, J. L. See ATKINSON, J. B., &c.
- HEDSTRÖM, H. Till Frågen om Fosforitlagrens Uppträdande och Förekomst i de geologiska Formationerna. *Geol. Fören. Stockh. Förh.* xviii. pp. 560-620. 1897.
- HEIM, A. Die Geologie der Umgebung von Zürich. *Congrès géol. internat.* 1894, vi. pp. 179-202, pls. 1 & 2. [Map.] 1897.
- 2. Geologische Excursion VII. quer durch die östlichen Schweizeralpen. *Ibid.* 1894, vi. pp. 441-445. 1897.
- HEMMENDORFF, E. Om Ölands Vegetation. 52 pp., 1 pl. [Map, Öland, $\frac{1}{1,000,000}$] 8vo. Upsala, 1897.
- HENRICH, C. Faulting and Accompanying Features observed in Glacial Gravel and Sand in Southern Michigan. *Trans. Am. Inst. M. E.* xxvi. pp. 460-464, fig. 1897. [See GRESLEY, W. S.]
- HERDMAN, W. A. The Marine Zoology, Botany, and Geology of the Irish Sea. *Rep. Brit. Assoc.* 1896, lxvi. pp. 417-450, fig. [Map, Irish Sea.] 1896.
- , G. H. MORTON, &c. Handbook to Liverpool and the Neighbourhood. British Association, 1896. 96 pp., 1 pl. [Map, 1 inch = 1 mile.] 8vo. Liverpool, 1896.
- HÉRENT, J. Le Quaternaire à Montigny-en-Ostrevent. *Ann. Soc. géol. Nord*, xxiv. pp. 50-54, figs. 1896.
- 2. Note sur l'Existence à Moncheaux, près Douai, des 'Sables de Mons-en-Pévèle.' *Ibid.* pp. 68-69. 1896.
- *HERGESELL, H. Die Abkühlung der Erde und die gebirgsbildenden Kräfte. *Beitr. z. Geophys. Stuttgart*, ii. pp. 152-184, figs. 1895.
- HERING, C. A. Die Kupfererzlagerstätten der Erde in geologischer, geographischer und wirtschaftlicher Hinsicht. *Zeitschr. f. Berg-, Hütt.-Salinenw.* xlv. pp. 1-90, figs., pl. i. 1897.
- HERLIN, R. Tavastomons Erosionsterrasser och Strandlinjer. *Fennia*, xii. no. 7, pp. 1-17, pls. i. & ii. 1896.
- *HERRICK, C. L. The Geology of a Typical Mining Camp in New Mexico [Magdalena Mts.]. *Am. Geol.* xix. pp. 256-262, pls. xiii. & xiv. [Map.] 1897.
- HERRMANN, O. Perclorato en el Salitre chileno. *Bol. Soc. Nac. Min. Santiago*, ser. 3, ix. pp. 415-422. 1897.
- *HERSHEY, O. H. Ancient River Deposits of the Spring River Valley in Kansas. *Am. Geol.* xvii. pp. 37-40. 1896.
- *— 2. Eskers indicating Stages of Glacial Recession in the Kansan Epoch in Northern Illinois. [Map.] *Ibid.* xix. pp. 197-207, 237-253, pl. xi. 1897.
- *— 3. The Physiographic Development of the Upper Mississippi Valley. *Ibid.* xx. pp. 246-268, fig. 1897.
- 4. The Florencia Formation. *Am. Journ. Sci.* ser. 4, iv. pp. 90-98. 1897.
- 5. Mode of Formation of Till as illustrated by the Kansas Drift of Northern Illinois. *Journ. Geol. Chicago*, v. pp. 50-62, fig. 1897.
- *HEUSLER, —. Ueber die neuesten Bohrungen auf Kohlensäure-Quellen bei Hönningen. *Verh. naturh. Ver. preuss. Rheinl.* lii. pp. 18-25. 1895.
- *HEUSNER, —. Ueber die Salzquellen des Nahethales. *Verh. naturh. Ver. preuss. Rheinl.* lii. pp. 8-15. 1895.
- *HIBSCH, J. E. Erläuterungen zur geologischen Karte des böhmischen Mittelgebirges. Blatt III. Bensen. *Min. petr. Mitth.* n. s. xvii. pp. 1-96, figs., pl. i. & map, $\frac{1}{25,000}$. 1897.

- HICKS, H. The Age of the Morte Slate Fossils. *Geol. Mag.* dec. 4, iv. pp. 105-109. 1897.
- 2. Anniversary Address of the President. On some Recent Evidence bearing on the Geological and Biological History of early Cambrian and Pre-Cambrian Times. *Q. J. G. S.* liii. pp. xlix-xcii. 1897.
- 3. On the Morte Slates, and Associated Beds, in North Devon and West Somerset. II. With Descriptions of the Fossils by G. F. WHIDBORNE. *Q. J. G. S.* liii. pp. 438-458, figs., pls. xxxi-xxxv. [Map, West Somerset, 1 inch = 2 miles.] 1897.
- HILBER, V. Die sarmatischen Schichten vom Waldhof bei Wetzelsdorf, Graz. *Mitth. nat. Ver. Steiermark*, 1896, pp. 182-204, 1 pl. 1897.
- HILL, E. Low-tide Causeways. *Geol. Mag.* dec. 4, iv. pp. 361-362. 1897.
- HILL, H. On the Artesian Water Prospects in Poverty Bay and Gisborne. *Trans. N. Z. Inst.* xxix. pp. 567-571. 1897.
- 2. On a Volcanic Dust-Shower in Napier. *Ibid.* pp. 571-572. 1897.
- HILL, J. B. See GUNN, W.; see SYMES, R. G.
- HILL, R. T. The alleged Jurassic of Texas. A Reply to Professor JULES MARCOU. *Am. Journ. Sci.* ser. 4, iv. pp. 449-469. 1897.
- 2. Memoir of Robert Hay. *Bull. Geol. Soc. Am.* viii. pp. 370-374. 1897.
- HIND, W. On the Subdivisions of the Carboniferous Series in Great Britain, and the True Position of the Beds mapped as the Yoredale Series. *Geol. Mag.* dec. 4, iv. pp. 159-169, 205-213. 1897. And A.C.
- HINDE, G. J. Eminent Living Geologists: No. 9. Dr. G. M. Dawson. *Geol. Mag.* dec. 4, iv. pp. 193-195, pl. vii. 1897.
- 2. Note on a Radiolarian Chert from the Island of Billiton. *Jaarb. Mijnw. Ned. O.-Ind.* xxvi. pp. 223-227, pl. iii. 1897. And A.C.
- 3. Notes on the Gravels of Croydon and its Neighbourhood. *Trans. Croydon Micr. & Nat. Hist. Club*, 1896-97. 15 pp. 1897. A.C.
- . See DAWSON, Sir J. W.
- , & H. FOX. Supplementary Notes on the Radiolarian Rocks in the Lower Culm-measures to the West of Dartmoor. *Trans. Devon. Assoc.* xxviii. pp. 774-789, pl. [Map of parts of Devon and Cornwall, 1 inch = 4 miles.] 1896. A.C.
- , — 2. Additional Notes on the Radiolarian Rocks in the Lower Culm-measures to the East and North-east of Dartmoor. *Ibid.* xxix. pp. 518-523. 1897. And A.C.
- , & W. WHITAKER. Excursion to Redhill and Merstham (New Railway). *Proc. Geol. Assoc.* xv. pp. 113-115. 1897.
- *HINTZE, C. Handbuch der Mineralogie. II. Silicate und Titanate. Pp. i-x, 1-1842, figs. 8vo. Leipzig, 1897.
- 2. Ueber krystallisirten Phenakit aus Schlesien. *Zeitschr. f. Kryst.* xxviii. pp. 174-176. 1897.
- HINTZE, V. Jordskælvet i Jylland den 16 December 1895. *Meddel. dansk. geol. Foren.* no. 3, pp. 31-45, fig. 1896.
- 2. Jordskælvet i det østlige Sjælland. *Ibid.* pp. 46-50, fig. 1896.
- HINXMAN, L. W. Geological Survey of Scotland. 1-inch map. Sheet 75. Tomintoul (Banffshire). 1897.
- HISE, C. R. Principles of North American Pre-Cambrian Geology; with an Appendix on Flow and Fracture of Rocks as related to Structure by L. M. HOSKINS. *Ann. Rep. U.S. Geol. Surv.* 1894-95, pt. i. pp. 571-843, 845-874, figs., pls. cviii-cxvii. [Map, N. America, 1 inch = 250 miles.] 1896.
- *HITCHCOCK, C. H. Sketch of W. W. Mather. *Am. Geol.* xix. pp. 1-15, pl. i. 1897.
- *— 2. The Eastern Lobe of the Ice-Sheet. *Ibid.* xx. pp. 27-33. 1897.
- 3. Note on the Stratigraphy of certain Homogeneous Rocks. *Bull. Soc. Geol. Am.* viii. pp. 389-390. 1897.
- . See RICE, W. N.
- HLAWATCH, C. Ueber den Stolzitz und ein neues Mineral 'Raspit' von Broken Hill. *Ann. k.-k. naturhist. Hofmus. Wien*, xii. pp. 33-41, pl. i. 1897.
- 2. Ueber den Brechungs-exponenten einiger pigmentirter Mineralien. *Zeitschr. f. Kryst.* xxvii. pp. 605-607. 1897.
- 3. Ueber Stolzitz und Raspit von Broken Hill. *Ibid.* xxix. pp. 130-139, pl. ii. 1897.
- HOBBS, W. H. Note on the Geology of South-western New England. *Journ. Geol. Chicago*, v. pp. 175-177. 1897.
- HOBSON, B. O. Evidences of Glacial Action in Australia. *Trans. Manch. Geol. Soc.* xxv. pp. 173-175. 1897.

- HOCHSTETTER, E. W. von. Die Klippe von St. Veit bei Wien. *Verh. k.-k. geol. Reichsanst.* 1896, pp. 473-474. 1896; & *Jahrb. k.-k. geol. Reichsanst.* xlvii. pp. 95-156, figs., pl. iii. 1897.
- HOERNES, R. Sarmatische Conchylien aus dem Oedenburger Comit. *Jahrb. k.-k. geol. Reichsanst.* xlvii. pp. 57-94, pl. ii. 1897.
- 2. Zur Wasserversorgung der Stadt Görz. *Mith. nat. Ver. Steiermark*, 1896, pp. 65-74. 1897.
- HÖFER, H. Benennung und Systematik der Lagerstätten nutzbarer Minerale. *Zeitschr. f. prakt. Geol.* 1897, pp. 113-116. 1897.
- HOFF, J. H. VAN'T. See VAN'T HOFF, J. H.
- HOFFMANN, F. A. Asphalt-Kalk. *Zeitschr. f. prakt. Geol.* 1897, pp. 67-68. 1897.
- HOFFMANN, G. C. Report on the Section of Chemistry and Mineralogy. *Ann. Rep. Geol. Surv. Canada*, 1895, R. pp. 1-59. 1897.
- HÖGBOM, A. G. Några Anmärkingar om de isdamda Sjöarna i Jemtland. *Geol. Fören. Stockh. Förh.* xix. pp. 311-326. 1897.
- HOGG, E. G. See OFFICER, G.
- HOHMANN, T. Mineralogia Americana. [Bournonite, Salvadorite.] *Bol. Soc. Nac. Minería, Santiago*, ser. 3, ix. pp. 85-87. 1897.
- HOLDEN, E. S. Mountain Observatories in America and Europe. *Smiths. Miscell. Coll.* no. 1035, pp. 1-77, 25 pls. 8vo. 1896.
- HOLLAND, P. See DICKSON, E.
- HOLLAND, R. See BURROWS, H. W.
- HOLLAND, T. H. Report on the Geological Structure and Stability of the Hill Slopes around Naini Tal. Pp. 1-85, pls. i-xi. & map, 10 inches = 1 mile. 8vo. Calcutta, 1897. And A.C.
- 2. On some Norite and associated Basic Dykes and Lava-flows in Southern India. *Rec. Geol. Surv. India*, xxx. pp. 16-42, pls. i. & ii. 1897. And A.C.
- 3. Note on Flow-structure in an Igneous Dyke. *Ibid.* pp. 113-114, pl. xi. 1897.
- 4. Additional Note on the Olivine-norite Dykes at Coonoor, Nilgiri Hills. *Ibid.* pp. 114-117, figs., pl. xii. 1897.
- 5. An Account of the Geological Specimens collected by the Afghán-Balúch Boundary Commission of 1896. *Ibid.* pp. 125-129, pl. xv. [Map, 1 inch = 40 miles.] 1897.
- 6. On the Augite-diorites with Micropegmatite in Southern India. *Q. J. G. S.* liii. pp. 405-417, pl. xxix. 1897.
- &c. Report on the Landslip at Gohna in British Garhwal. 52 pp., 12 pls. [Maps.] Fol. Calcutta, 1896.
- HOLLENDER, A. Om några Egendomligheter i Vattendragens Lopp i östra Småland. *Geol. Fören. Stockh. Förh.* xix. pp. 355-360, figs. 1897.
- 2. Om några svenska Issjöar och Iselftar. *Ibid.* pp. 445-456, pl. vii. [Map $\frac{1}{100,000}$.] 1897.
- HOLLICK, A. Geological Notes : Long Island and Nantucket. *Trans. N.Y. Acad. Sci.* xv. pp. 3-16. 1896.
- HOLM, G. Paläontologiska Notiser.—I. Om Förekomsten af *Torellella lævigata* Linn. i *Olenellus*-skiffern vid Tomten i Ringsaker's Socken i Norge. II. Om Ektosifo hos *Endoceras Burchardii* Dew. III. Om Apikaländan hos *Endoceras*. *Geol. Fören. Stockh. Förh.* xix. pp. 163-176, figs. 1897.
- 2. Paläontologiska Notiser. [*Bohemilla*, *Lituites*, *Pterygotus*, *Dicelloccephalus*.] *Ibid.* xix. pp. 457-482, pls. viii-ix. 1897.
- 3. *Baltoceras*, a new Genus of the Family Orthoceratidæ. *Geol. Mag.* dec. 4, iv. pp. 251-253, figs. 1897.
- HOLMES, J. A. Corundum Deposits of the Southern Appalachian Region. [Map.] *Ann. Rep. U.S. Geol. Surv.* xvii. 1895-96, pt. iii. pp. 935-957, pl. xiii. 1896.
- HOLMES, T. V. See WHITAKER, W.
- HOLMQUIST, P. J. Synthetische Studien über die Perowskit und Pyrochlor-mineralien. *Bull. Geol. Inst. Upsala*, 1896, iii. pp. 1-86, figs., pls. i-iii. 1897. A.C.
- 2. —. *Ibid.* iii. pp. 181-262, figs., pls. ii-iv. 1897. A.C.
- HOLROYD, W. F. See BARNES, J.
- HOLYROYD, A. G. The Discovery and Occurrence of Telluride of Gold upon the Kalgoorlie Goldfields, East Coolgardie District, Western Australia. *Trans. Austr. Inst. M. E.* iv. pp. 186-193. 1897.
- *HOLZAPFEL, E. L. Ueber das ober Mitteldevon im Rheinischen Gebirge. *Sitz. niederrhein. Gesellsch. Nat. &c., Bonn*, 1896, pp. 56-65. 1896.
- See BEUSHAUSEN, L.; see KAYSER, E.

- *HONNORAT-BASTIDE, É. F. Sur une Forme nouvelle ou peu connue de Céphalopodes du Crétacé inférieur des Basses-Alpes (*Ammonites Josephina* nov. sp.). *C. R. Assoc. franç. Av. Sci.* 1896, xxv. pt. 2, pp. 287-290, figs. 1897.
- HOPKINS, T. C. Stylooliths. *Am. Journ. Sci.* ser. 4, iv. pp. 142-144. 1897.
- 2. Origin of Conglomerates of Western Indiana. *Bull. Geol. Soc. Am.* viii. pp. 14-15. 1897.
- *—, & C. E. SIEBENTHAL. The Bedford Oolitic Limestone of Indiana. *Ann. Rep. Dep. Geol. &c., Indiana*, xxi. 1896, pp. 291-427, pls. xviii-xxxviii. & maps, 1 inch = 2 miles, 1 inch = $\frac{1}{2}$ mile. 1897.
- *HORN, F. R. VAN. Petrographische Untersuchungen über die noritischen Gesteine der Umgegend von Ivrea in Oberitalien. *Min. petr. Mitth.* n. s. xvii. pp. 391-420, pl. viii. [Map.] 1897.
- HORNE, J. See BELL, D.
- HOSKOLD, H. D. Notes upon the Geography of the Argentine Republic. *Scot. Geogr. Mag.* xiii. pp. 72-86. 1897.
- HOVELACQUE, M. See KILLIAN, W.
- HOVEY, E. O. Collection of Meteorites in the Collection of the American Museum of Natural History, to July 1, 1896. *Bull. Am. Mus. Nat. Hist. N.Y.* viii. pp. 149-156. 1896.
- 2. Notes on the Artesian Well sunk at Key West, Florida, in 1895. *Bull. Mus. Comp. Zool.* xviii. pp. 65-91. 1896.
- 3. A relatively Acid Dyke in the Connecticut Triassic Area. *Am. Journ. Sci.* ser. 4, iii. pp. 287-292, figs. [Map, New Haven, &c. 1 inch = 5000 ft.] 1897.
- HOWARD, F. T. The Geology of the East Barry Dock, with Notes on the supposed Coalfields of South Glamorgan. With an Appendix on the Fauna and Flora, by F. W. WORTON. *Trans. Cardiff Nat. Soc.* 1895-96, xxviii. pp. 1-17, 2 pls. 1897.
- , & E. W. SMALL. The Geology of Skomer Island. *Rep. Brit. Assoc.* 1896, lxvi. pp. 797-798. 1896.
- HOWCHIN, W. Notes on a Bore at Enfield, near Adelaide. *Trans. Roy. Soc. S. Aust.* xx. pp. 260-262. 1896.
- See DAVID, T. W. E.
- *HOWORTH, SIR H. H. Ice-sheets and Scandinavian Boulders. *Glac. Mag.* iv. pp. 95-110. 1896.
- 2. On the Erratic Boulders and Foreign Stones in the Drift Deposits of Eastern England, and their Lessons. *Geol. Mag.* dec. 4, iv. pp. 123-130, 153-159. 1897.
- 3. Water versus Ice as an Explanation of the Surface Beds of Eastern England. *Ibid.* pp. 213-225. 1897.
- 4. The Geologically Recent Origin of the Surface Contour of Scandinavia and Finland, and its Lessons. *Ibid.* pp. 355-361, 397-404. 1897.
- *— 5. A New Scheme of Geological Arrangement and Nomenclature. *Nat. Sci.* xi. pp. 321-326. 1897.
- See HULL, E.
- HUDSON, E. J. See MABERY, C. F.
- *HUG, O. Beiträge zur Stratigraphie und Tektonik des Isteiner Klotzes. *Mitth. badisch. geol. Landesanst.* iii. pp. 379-470, figs., pls. xii & xiii. [Map $\frac{1}{25,000}$.] 1897.
- HULL, E. Another Possible Cause of the Glacial Epoch. [Abstract.] *Rep. Brit. Assoc.* 1896, lxvi. p. 803. 1896; & *Q. J. G. S.* liii. p. 107. 1897.
- 2. Our Coal Resources at the Close of the Nineteenth Century. Pp. i-xii, 1-157. 8vo. London, 1897.
- 3. Aperçu de la Structure géologique de l'Arabie Pétrée et de la Palestine. *Congrès géol. internat.* 1894, vi. pp. 269-271. 1897.
- 4. Sir H. H. Howorth and the Glaciation of Norway. *Geol. Mag.* dec. 4, iv. pp. 453-457. 1897.
- 5. The proposed Scheme for Embanking the Waters of the Nile at Assouan in Upper Egypt. *Journ. Vict. Inst.* 1897. 1 p. 1897. A.C.
- 6. Notes on Messrs. BARNES and HOLROYD's Paper on 'A Sea Beach at Castleton.' *Trans. Manch. Geol. Soc.* xxv. pp. 306-307. 1897. [See BARNES, —, &c.]
- See BEDSON, P. P., &c.
- HUME, W. F. Nansen's Waymarks to the North Pole. *Knowledge*, xii. p. 33. 1897.
- 2. The Cretaceous Strata of County Antrim. *Q. J. G. S.* liii. pp. 540-606, pls. xliiv-xlv. 1897.
- HUNT, A. E. See DAY, D. T., &c.

- HUNT, A. R. West Country Geological Problems. *Trans. Devon. Assoc.* xxix pp. 390-424. 1897.
- HUNTER, R. See WOODWARD, H.
- HUPFELD, —. Der Bleiberger Erzberg. *Zeitschr. f. prakt. Geol.* 1897, pp. 233-247, figs. [Map ¹₃₈₃₈₀] 1897.
- HUSSAK, E. Das Zinnober-Vorkommen von Tripuhy in Minas Geraës, Brasilien. *Ibid.* 1897, pp. 65-67. 1897.
- , & G. T. PRIOR. On Derbylite, a new Antimono-titanate of Iron, from Tripuhy, Brazil. *Min. Mag.* xi. pp. 176-179, fig. 1897.
- HUTTON, F. W. The Moas of the North Island of New Zealand. *Trans. N.Z. Inst.* xxix. pp. 541-557. 1897.
- 2. On the Leg-bones of *Meionornis* from Glenmark. *Ibid.* pp. 557-560. 1897.
- 3. On Two Moa Skulls in the Canterbury Museum. *Ibid.* pp. 561-564. 1897.
- HUXHAM, H. Some Local Disturbances in Anthracite Collieries. *Proc. S. Wales Inst. Engin.* xx. pp. 384-392, pls. x-xi. [Map.] 1897.
- IAKOWLEV, N. Recherches géologiques faites en 1895 dans la Partie septentrionale du Bassin houiller du Donetz. *Bull. Comité géol. Russie*, xv. pp. 189-199. 1895.
- IDDINGS, J. P. The Origin of Igneous Rocks. *Bull. Phil. Soc. Washington*, xii. pp. 89-216, pl. ii. 1897.
- IGELSTRÖM, L. J. Munkforsnit, Bliobergit und Ransätit, drei neue Mineralien vom Kirchspiel Ransäter, Gouvernement Wermland, Schweden. *Zeitschr. f. Kryst.* xxvii. pp. 601-604. 1897.
- 2. Gersbyit und Munkkrudit, zwei neue Mineralien vom Kirchspiel Ransäter, Gouvernement Wermland, Schweden. *Ibid.* xxviii. pp. 310-312. 1897.
- IHLENG, M. C. A Phosphate Prospect in Pennsylvania. *Ann. Rep. U.S. Geol. Surv.* xvii. 1895-96, pt. iii. pp. 955-957. 1896.
- INGALL, E. D. Section of Mineral Statistics and Mines. Annual Report for 1895. *Ann. Rep. Geol. Surv. Canada*, 1895, S. pp. 1-103. 1897.
- INGEN, G. VAN, & T. G. WHITE. An Account of the Summer's Work in Geology on Lake Champlain. *Trans. N.Y. Acad. Sci.* xv. pp. 19-23. 1896.
- INKEY, B. VON. Bericht über die geologische Aufnahme in den Comitaten Békés und Csanád, im Sommer 1894. *Jahresb. k.-ung. geol. Anst.* 1894, pp. 153-159. 1897.
- 2. Bodenverhältnisse des Gutes Pallag der kgl.-ung. landwirthschaftlichen Lehranstalt in Debreczen. *Mitth. Jahrb. k.-ung. geol. Anst.* xi. pp. 95-116, figs., pl. ii. 1897.
- INOSTRANTZEV, A. A. Guide des Musées minéralogique et géologique de l'Université Impériale à St. Pétersbourg. Pp. 1-53, 2 plans & 7 pls. 8vo. St. Petersburg, 1897.
- IPPEN, J. A. Amphibolgesteine der Niederen Tauern und Seethaler Alpen. (Neue Beiträge zur Petrographie Steiermarks.) II. *Mitth. nat. Ver. Steiermark*, 1896, pp. 205-229, figs. 1897.
- IRVING, J. D. The Stratigraphical Relations of the Brown's Park Beds of Utah. *Trans. N.Y. Acad. Sci.* xv. pp. 252-259, pl. xviii. [Map, Brown's Park (Utah), 1 inch = 14 miles.] 1896.
- JACCARD, P. A propos du Mémoire de M. K. O. E. STENSTRÖM: Sur la Présence des mêmes Espèces végétales dans des Stations dissemblables et sous des Climats différents. *Bull. Soc. vaud. Sci. nat.* xxxiii. pp. 101-122. 1897.
- JACK, R. L. Notes on the Palmer as a Reefing District. *Bull. Soc. Geol. Surv. Queensl.* no. 5, pp. 1-8. 1897.
- 2. Catalogue of the Exhibits in the Queensland Mining Court, Queensland International Exhibition, 1897. 2nd Edition. *Ibid.* no. 6, pp. 1-72. 1897.
- 3. Notes on Two Traverses of the Buna Buna Range and a Visit to Brovinia Goldfield. *Rep. Geol. Surv. Queensl.* no. 114, pp. 1-4. 1896.
- JAEKEL, O. Ueber die Körperform und Hautbedeckung von Stegacephalen. [*Branchiosaurus*.] *Sitz. Gesellsch. naturf. Freunde, Berlin*, 1896, pp. 1-8, fig. 1896.
- 2. Ueber die Stammform der Wirbelthiere. *Ibid.* pp. 107-129. 1897.
- 3. Die Organisation von *Archegosaurus*. *Zeitschr. deutsch. geol. Gesellsch.* xlviii. pp. 505-521, figs. 1896.
- 4. Ueber die Abstammung der Blastoiden. *Ibid.* pp. 689-691. 1896.
- 5. Chimæriden-Eier aus dem Unteren Dogger von Heiningen in Württemberg. *Ibid.* p. 691. 1896.
- 6. Ueber einige paläozoische Gattungen von Crinoiden. *Ibid.* xlix. *Protok.* pp. 44-48, figs. 1897.
- JAGGAR, T. A., JUN. A Microsclerometer, for determining the Hardness of Minerals. *Am. Journ. Sci.* ser. 4, iv. pp. 399-412, pl. xii. 1897.

- JAHN, J. J. Bemerkung zur Literatur über das Tejrövicer Cambrium. *Verh. k.-k. geol. Reichsanst.* 1896, pp. 377-379. 1896.
- 2. Basalttuff-Breccie mit silurischen Fossilien in Ostböhmen. *Ibid.* pp. 441-459, figs. 1896.
- See POČTA, P.
- JAMESON, H. L. Cavernes du Comté Leitrim (Irlande). *Spelunca*, iii. pp. 54-55. 1897.
- JANET, L. Sur l'Allure des Grès bartoniens dans la Région de Château-Thierry. *C. R. Soc. géol. France*, 1896, p. ix. 1896.
- 2. Révision de la Feuille de Meaux. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 7-9. 1897.
- 3. Feuilles de Beaugency et de Châteaudun. *Ibid.* pp. 9-12, fig. 1897.
- JAQUET, J. B. Geological Survey of New South Wales. Progress Report for 1896. [Lunatic Goldfield; Wattle Flat and Sofala; Dairy Creek Goldfield, Jinderbayne District; Tonga Creek Copper Ore; &c.] *Ann. Rep. Dep. Mines N.S.W.* 1896, pp. 126-141, figs., 12 pls. 1897.
- 2. Geological Notes upon a Trip to Mount Kosciusko, New South Wales. *Rec. Geol. Surv. N.S.W.* v. pp. 113-117. 1897.
- JAWOROWSKI, P. Die geologischen Entstehungsverhältnisse einiger Goldlager. *Verh. russ.-k. min. Gesellsch.* ser. 2, xxxiii. pp. 307-351, figs. 1895.
- JEFFREYS, J. G. (the late). See LAMPLUGH, G. W.
- JENKS, C. N. See DAY, D. T., &c.
- JENTZSCH, A. Das Interglacial bei Marienburg und Dirschau. *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi. *Abh. Mitarb.* pp. 131-164, figs. 1896.
- 2. Bericht über die Verwaltung des ostpreussischen Provinzialmuseums der physikalisch-ökonomischen Gesellschaft in den Jahren 1893-95, nebst Beiträgen zur Geologie und Urgeschichte Ost- und Westpreussens. *Schriften phys.-ökon. Gesellsch. Königsberg*, xxxvii. pp. 47-138, pls. i-iv. 1896. And A.C.
- * — 3. Ueber die Chronologie der Eiszeiten. *Ibid. Ber.* pp. 18-20. 1896.
- 4. Zur Fabrikation von Glas und Porzellan geeigneten Rohmaterialien in der Provinz Westpreussen. *Zeitschr. f. prakt. Geol.* 1897, pp. 201-210. 1897.
- JEREMEJEV, P. W. Ueber einige neue Krystallformen und die innere Structur des Zirkon aus dem Ilmengebirge und den Goldseifen des Kyschtimschen Bergreviers im Ural. *Verh. russ.-k. min. Gesellsch.* ser. 2, xxxiii. pp. 429-442, figs. 1895.
- 2. Quelques Formes nouvelles des Cristaux et de la Construction intérieure du Zircon des Monts d'Ilméne et Sables aurifères de Kychtim dans l'Oural. *Bull. Acad. Imp. Sci. St. Pétersb.* ser. 5, iii. pp. 117-125, figs. * 1895.
- 3. Ueber Monstrositäten von gediegenem Kupfer und über Krystalle von Bornit und Petalit aus dem Kaukasus. *Verh. russ.-k. min. Gesellsch.* xxxiv. *Protocolle*, pp. 55-57. 1897.
- 4. Ueber einen neuen uralischen Diamant aus Platinseifen im Goroblagodatskischen Bezirk. *Ibid.* pp. 59-60. 1897.
- 5. Ueber rothen Korund aus dem Dorfe Bysowa. *Ibid.* pp. 62-63. 1897.
- 6. Ueber Zwillingkrystalle von Zirkon aus den Kyschtymkischen Goldseifen. *Ibid.* pp. 63-65. 1897.
- JESSEN, A. Beskrivelse til geologisk Kort over Danmark i Maalestok 1 : 100,000. Kortbladene Læsø og Anholt. *Dan. geol. Undersög.* i. no. 4, pp. 1-48. 1897. And 2 Maps.
- JESUP, M. K. Annual Report for 1896. *Ann. Rep. Am. Mus. Nat. Hist. N.Y.* xxviii. pp. 1-31, 8 pls. 1897.
- * JOANNE, P. Une Excursion en Asie Mineure: Hiérapolis et sa Cascade pétrifiée. *Ann. Club alpin français*, 1895, xxii. pp. 320-338, figs., 1 pl. 1896.
- JOHN, C. von. Chemische und petrographische Untersuchungen an Gesteinen von Angra Pequena, der Cap Verdischen Insel St. Vinzenz, vom Cap Verde und von der Insel Miguel (Azoren). *Jahrb. k.-k. geol. Reichsanst.* xlvii. pp. 279-292. 1896.
- 2. Zur Erinnerung an Heinrich Freiherrn von Foullon-Norbeeck. *Ibid.* xlvii. pp. 1-20. 1897.
- 3. Ueber die sogenannten Hornblendegneisse aus der Gegend von Landskron und Schildberg, sowie von einigen anderen Localitäten in Mähren. *Verh. k.-k. geol. Reichsanst.* 1897, pp. 189-193. 1897.
- 4. Ueber die Menge von Schwefel, die beim Vercoaksen von Kohlen im Coaks verbleibt, und die Menge von Schwefel, die bei diesem Prozesse entweicht. *Ibid.* pp. 134-137. 1897.
- JOHNS, P. The Coalfields of the Colony of the Cape of Good Hope. Pp. 1-15. 4to. Cape Town, 1897.
- 2. The Indwe Coalfields (South Africa). *Coll. Guard.* lxxiii. p. 407. 1897.

- JOHNSON, F. D. Concerning certain Perforated Rocks in the Coolgardie District. *Trans. Austr. Inst. M. E.* iv. pp. 42-44. 1897.
- JOHNSON, J. C. F. Getting Gold: a Practical Treatise for Prospectors, Miners, and Students. Pp. i-x, 1-204, figs. 8vo. London, 1897.
- JOHNSTON, W., & A. K. See JOHNSTONE, A.
- JOHNSTON-LAVIS, H. J. The Highwood Mountains of Montana and Magmatic Differentiation. *Rep. Brit. Assoc.* 1896. lxvi. pp. 792-793. 1896.
- JOHNSTONE, A. Mineralogical Geology. A Synopsis for the use of Students to accompany W. & A. K. Johnston's Geological Map of the British Islands. Pp. i-iv, 1-194, pls. i-xiv. 8vo. Edinburgh, 1897. And Map, 1 inch = 14 miles.
- JOLLY, L. Notes on the Lefroy Goldfields [Tasmania]. *Trans. Austr. Inst. M. E.* iv. pp. 132-136. 1897.
- JONAS, R. Ueber die Juraformation von Niegranden in Kurland. *N. J. f. Min.* 1897, i. pp. 189-191, fig. 1897.
- JONES, R. H. Asbestos and Asbestic: with some Account of the Recent Discovery of the latter at Danville, in Lower Canada. *Journ. Soc. Arts*, xlv. pp. 544-553. 1897.
- JONES, T. R. On some Fossil Entomostraca from Brazil. *Geol. Mag.* dec. 4, iv. pp. 195-202, pl. viii. 1897. And A.C.
- 2. On some Fossil Entomostraca from South America. *Ibid.* pp. 259-265, 289-293, pls. x. & xi. 1897. And A.C.
- 3. Obituary of Sir Augustus Wollaston Franks, K.C.B. *Ibid.* pp. 428-430. 1897.
- 4. The Fossil Phyllopora of the Palæozoic Rocks.—Thirteenth Report of the Committee. *Rep. Brit. Assoc.* 1897 (pp. 1-4). 1897. A.C.
- 5. On Rockall and its Previous History. *Trans. Roy. Irish Acad.* xxxi. pp. 89-97. 1897. A.C.
- , & F. CHAPMAN. On the Fistulose Polymorphina and on the Genus *Ramulina*.—Pt. I. *Journ. Linn. Soc.* xxv. *Zool.* pp. 497-516, figs. 1896. And A.C. Pt. II. *Ibid.* xxvi. *Zool.* pp. 334-354, figs. 1897. And A.C.
- JORDAN, J. B. See ATKINSON, J. B., &c.
- JUDD, J. W. The Royal College of Science, London, with which is incorporated the Royal School of Mines. Inaugural Address at the Opening of the Session 1896-97. 8vo. London, 1897. A.C.
- 2. William Smith's Manuscript Maps. *Geol. Mag.* dec. 4, iv. pp. 439-447. 1897. And A.C.
- 3. Second Report on a Series of Specimens of the Deposits of the Nile Delta obtained by Boring Operations undertaken by the Royal Society. *Proc. Roy. Soc.* lxi. pp. 32-40. 1897. And A.C.
- JUKES-BROWNE, A. J. The Origin of the Valleys in the Chalk Downs of North Dorset. *Proc. Dorset Nat. Hist. & Antiq. F. C.* xvi. pp. 5-13, 1 pl. [Map, 1 inch = 4 miles.] 1895.
- 2. On a Collection of Fossils from the Upper Greensand in the Dorset County Museum. *Ibid.* xvii. pp. 96-108. 1897.
- 3. Le Cénomaniens du Devonshire. *Ann. Soc. géol. Nord*, xxiv. pp. 246-264. 1897. And A.C.
- , & W. HILL. Le Cénomaniens de la Normandie et du Sud de l'Angleterre. *Ibid.* pp. 227-246. 1897. And A.C.
- *JULIEN, A. Le Terrain carbonifère marin de la France centrale. 8vo. Paris, pp. i-xxiv, 1-304, figs., pls. i-xvii. 1896.
- KAHLE, P. Krokiren für technische und geographische Zwecke. *Zeitschr. f. prakt. Geol.* 1897, pp. 53-65, 158-169, 215-225, figs. 1897.
- KAIN, S. W. Bibliography of Scientific Publications relating to the Province of New Brunswick other than those contained in the Bulletins of the Society, 1896. *Bull. Nat. Hist. Soc. New Brunswick*, no. xiv. pp. 56-57. 1896.
- 1897. *Ibid.* no. xv. p. 83. 1897.
- KALECSINSZKI, A. von. Mittheilungen aus dem chemischen Laboratorium der Königlich-ungarischen geologischen Anstalt. *Jahresb. k.-ung. geol. Anst.* 1894, pp. 162-170. 1897.
- *KARAKASH, N., & K. ROSSIKOV. Excursion zum Zeigletscher. *Guide, VII. Congrès géol. internat.* 1897, no. 28, pp. 1-18, pls. A-D. 1897.
- *—, & K. RUGUÉVICH. Excursion géologique aux Environs de Kislowodsk et de Kislowodsk à l'Elbrous. *Ibid.* no. 19, pp. 1-12, figs., pls. A & B. [Map, Piatigorsk, Kislowodsk, & Mt. Elbruz.] 1897.
- KARNOSHITZKI, A. Eugenie-Maximilianowsk-Gruben und einige andere neuen oder wenig untersuchten Fundorte von Mineralien im Gebiet des mittleren Ural. *Verh. russ.-k. min. Gesellsch.* ser. 2, xxxiv. pp. 1-160, pls. i-iv. 1895. [Map, 1 inch = 4 versts.]

- *KARNOSHITZKI, A. 2. Gisement de Minéraux d'Eugénie-Maximilianovna. *Guide, VII. Congrès géol. internat.* 1897, no. 8, pp. 1-2. 1897.
- KARPINSKI, A. Compte-rendu des Travaux du Comité géologique en 1896. *Bull. Com. géol. Russie*, xvi. pp. 1-51. [Map.] 1897.
- *— 2. Versant oriental de l'Oural d'Ouzjom à Ekathérinebourg. *Guide, VII. Congrès géol. internat.* 1897, no. 5, pp. 1-44, figs., pls. A-C. 1897.
- *—, &c. Carte géologique générale de la Russie d'Europe, dressée par les Membres du Comité géologique, 1897. $\frac{1}{6,300,000}$. *Ibid.* 1897.
- KATZER, F. The Grottau Brown-Coal Deposit, North Bohemia. *Coll. Guard.* lxiv. p. 839. 1897.
- 2. Beiträge zur Mineralogie Böhmens, III. [Arsenopyrit, Calcit, Mimetsit, Vivianit, Anthracit, & Erdöl.] *Min. petr. Mitth.* n. s. xvi. pp. 504-510, figs. 1897.
- *KAYSER, E. Quergebrochene Baumstämme in der niederrheinischen Braunkohle. *Sitz. niederrhein. Gesellsch. Nat. &c. Bonn*, 1896, pp. 93-94. 1896.
- *— 2. Zinkblende von Adenau (Rheinprovinz). *Ibid.* pp. 94-95. 1896.
- 3. Bericht über seine Aufnahme des Blattes Oberscheld. *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi. pp. lxiv-lxvi. 1896.
- 4. Note on Volcanic Bombs in the Schalsteins of Nassau. *Q. J. G. S.* liii. pp. 109-111, fig. 1897.
- 5. Beiträge zur Kenntniss einiger paläozoischer Faunen Süd-Amerikas. *Zeitschr. deutsch. geol. Gesellsch.* xlix. pp. 274-317, pls. vii-xii. 1897. And A.C.
- See BEUSHAUSEN, L.
- , & E. HOLZAPFEL. Sur les Relations stratigraphiques entre les Étages de la Bohême F. G. et H. de Barrande et le Dévonien du Rhin. *Ann. Soc. géol. Belg., Liège*, xxii. *Bibliogr.* pp. 19-34. [Abstract by H. FORIE.] 1897.
- KAYSER, H. W. Tin Mining in Tasmania. *Trans. Fed. Inst. M. E.* xiii. pp. 570-582, pl. xxiv. [Map, 1 inch = 1,125 ft.] 1897.
- *KEHRER, F. A. Ueber eigenthümlichen Konkretionen im *Nodosus*-kalk von Leimen bei Heidelberg. *Mitth. badisch. geol. Landesanst.* iii. pp. 497-525, figs., pl. lvii. 1897.
- KEILHACK, K. Die Einschnitte der Eisenbahn Pretzsch-Düben. *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi. *Abh. Mitarb.* pp. 32-39, figs. 1896.
- 2. Die Geikie'sche Gliederung der nordeuropäischen Glacialablager. *Ibid.*, *Abh. Mitarb.* pp. 111-124. 1896.
- *— 3. Aus dem nordöstlichen Island. Nach dem Reisebericht Dr. T. THORODDSENS über den Sommer 1895. *Peterm. Mitth.* xlii. pp. 269-275, fig. [Map, $\frac{1}{1,000,000}$] 1896.
- 4. J. Geikie's Gliederung der eiszeitlichen Ablagerungen in Europa. *Ann. géol. min. Russie, Varsovie*, ii. no. 1, pp. 27-30. 1897. [In Russian.]
- 5. Professor Geikie's Classification of the North European Glacial Deposits. *Journ. Geol. Chicago*, v. pp. 113-125. 1897.
- 6. Ueber die Zugehörigkeit der Gattung *Folliculites* zu der lebenden Hydrocharidee *Stratiotes*. *Zeitschr. deutsch. geol. Gesellsch.* xlviii. pp. 987-989. 1897.
- 7. Ueber die Drumlinlandschaft Norddeutschlands. *Ibid.* xlix. *Protok.* pp. 2-4. 1897.
- 8. Ueber neuere Tiefbohrungen auf dem Fläming. *Ibid.*, *Protok.* pp. 23-27. 1897.
- 9. Aufgaben der praktischen Geologie. *Zeitschr. f. prakt. Geol.* 1897, pp. 1-5. 1897.
- KEITH, A. Geology of Chilhowe Mountain, Tennessee. *Bull. Phil. Soc. Washington*, xii. pp. 71-88, pl. i. [Map, $\frac{3}{8}$ inch = 1 mile.] 1895.
- KELLER, O. Saturation hygrométrique de l'Écorce du Globe. Détermination de l'Eau de Carrière. Diminution de la Résistance des Roches imbibées d'Eau. *Ann. Mines, Paris*, ser. 9, xii. pp. 32-86. 1897.
- KELTIE, J. S. Some Geographical Problems. *Geogr. Journ.* x. pp. 308-323. 1897; & *Scott. Geogr. Mag.* xiii. pp. 449-466. 1897.
- KEMP, J. F. The Leucite Hills of Wyoming. *Bull. Geol. Soc. Am.* viii. pp. 169-182, figs., pls. xiv-xv. [Map.] 1897.
- 2. Physiography of the Eastern Adirondacks in the Cambrian and Ordovician Periods. *Ibid.* pp. 408-412, pl. li. [Map, W. of Lake Champlain.] 1897.
- 3. Biographical Notice of Gabriel Auguste Daubrée. *Trans. Am. Inst. M. E.* xxvi. pp. 823-827. 1897.
- See BROWN, D. H.; see MERRILL, F. J. H.

- KENDALL, P. F. Erratic Blocks of the British Isles. *Rep. Brit. Assoc.* 1896, lxvi. pp. 366-377. 1896.
- 2. On the Cause of the Bathymetric Limit of Pteropod Ooze. *Ibid.* pp. 789-791. 1896.
- 3. On the Conditions under which the Upper Chalk was deposited. *Ibid.* pp. 791-792. 1896.
- 4. On some Post-Pliocene Changes of Physical Geography in Yorkshire. *Ibid.* pp. 801-802. 1896.
- 5. Some Alpine Glaciers. *Trans. Hull Geol. Soc.* iii. p. 17. 1897.
- *— 6. Note on a Striated Surface of Magnesian Limestone near Sunderland. *Glac. Mag.* iv. pp. 60-61. 1896.
- See LOMAS, J.
- KENNARD, A. S., B. B. WOODWARD, & W. M. WEBB. The Post-Pliocene Non-marine Mollusca of Essex. *Essex Nat.* x. pp. 87-109. 1897. A.C.
- , & B. B. WOODWARD. The Mollusca of the English Cave-deposits. *Proc. Malac. Soc.* ii. pp. 242-244, figs. 1897. A.C.
- KERNER, F. von. Vorlage des dalmatinischen Blattes Kistanje-Dernis: Zone 30, Col. XIV. *Verh. k.-k. geol. Reichsanst.* 1896, pp. 426-436. 1896.
- 2. Reisebericht aus der Gegend im Südosten von Sebenico. *Ibid.* 1897, pp. 176-182. 1897.
- *KEYES, C. R. Dual Characters of the Kinderhook Fauna. *Am. Geol.* xx. pp. 167-176. 1897.
- *— 2. Relations of the Devonian and Carboniferous in the Upper Mississippi Valley. *Trans. Acad. Sci. St. Louis*, vii. pp. 357-369. 1897.
- KIDSTON, R. On *Sigillaria Brardii*, Brongt., and its Variations. *Proc. R. Phys. Soc. Edinb.* xiii. pp. 233-246, pl. vii. 1896.
- KILIAN, W. Note sur la Structure de la Montagne de Lure et des Environs de Sisteron (Basses-Alpes). *Bull. Soc. géol. France*, ser. 3, xxiii. pp. 642-658, figs. 1895.
- 2. Notice stratigraphique sur les Environs de Sisteron et Contributions à la Connaissance des Terrains secondaires du Sud-est de la France. *Ibid.* pp. 659-803, pls. xi-xiv. 1895.
- 3. Compte-rendu de l'Excursion du 18 Septembre à Valbelle et à Noyers. *Ibid.* pp. 805-812, pl. xvi. 1895.
- 4. Compte-rendu de l'Excursion du 19 Septembre à St. Geniez. *Ibid.* pp. 813-826, figs., pl. xvii. 1895.
- 5. Compte-rendu des Excursions du 20 Septembre à Forcalquier, St.-Etienneles Orgues et Banon. *Ibid.* pp. 837-843, figs. 1895.
- 6. Compte-rendu de l'Excursion du 21 Septembre à Simiane et à Carniol. *Ibid.* pp. 847-855, figs., pl. xviii. 1895.
- 7. Sur les Gisements fossilifères de la Région de Castellane (Basses-Alpes). *Ibid.* pp. 885-898, figs. 1896.
- 8. Observations à propos d'une Note de M. E. HAUG [Alpes occidentales]. *C. R. Soc. géol. France*, 1896, pp. xxxviii-xli. 1896.
- 9. [Note sur les Zones de M. Lory (Alpes occidentales).] *Ibid.* pp. lxiv-lxv. 1896.
- 10. Sur divers Points de Géologie alpine. *Ibid.* pp. xciii-xciv. 1896.
- 11. Feuilles de Grenoble, Vizille, Albertville, Valence, Privas, Die, Briançon et Digne. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 133-141, fig. 1897.
- 12. Sur la Constitution géologique des Massifs de la Haute Bléone et du Haut Var. *C. R. Acad. Sci. Paris*, cxxiv. pp. 516-518. 1897.
- 13. Sur un Gisement de Syénite dans le Massif du Mont Genève (Hautes-Alpes). *Ibid.* cxxv. pp. 61-63. 1897.
- *— 14. Sur l'Utilité de Monographies paléontologiques pour l'Étude des Dépôts mésozoïques du Sud-est de la France. *C. R. Assoc. franç. Av. Sci.* 1896, xxv. pt. 2, pp. 300-305. 1897.
- See MICHEL-LÉVY, A., &c.
- , & M. HOVELACQUE. Sur le Calcaire de la Gourre, près Séderon. *Bull. Soc. géol. France*, ser. 3, xxiii. pp. 859-860, pl. xv. 1895.
- , & F. LEENHARDT. Note sur le Néocomien des Environs de Moustiers Sainte-Marie (Basses-Alpes). *Ibid.* pp. 970-981. 1896.
- , P. ZÜRCHER, & A. GUÉBARD. Notice sur la Région d'Escragnolles (Alpes-Maritimes). *Ibid.* pp. 952-969, figs. 1896.
- KILROE, J. R. The Distribution of Drift in Ireland in its Relation to Agriculture. *Sci. Proc. R. Dublin Soc.* n. s. viii. pp. 421-431, pl. xv. [Map, 1 inch=27 miles.] 1897. A.C.

- *KIMBALL, J. P. Physiographic Geology of the Puget Sound Basin. *Am. Geol.* xix. pp. 225-237, 304-321, pls. xii. & xix. 1897.
- *— 2. Secondary Occurrences of Magnetite on Islands of British Columbia by Replacement of Limestone and by Weathering of Eruptives. *Ibid.* xx. pp. 13-27, fig., pls. ii. & iii. 1897.
- *— 3. On the Magnetite Belt at Cranberry, North Carolina, and Notes on the Genesis of this Iron Ore in general in Crystalline Schists. *Ibid.* pp. 299-312, pl. xviii. 1897.
- *KINAHAN, G. H. The possible Organic Origin of Quartz Rock. *Irish Nat.* vi. pp. 291-293. 1897.
- KINDLE, E. M. A Note on Rock Flexure. *Proc. Indiana Acad. Sci.* 1894, pp. 49-50. 1895.
- 2. Dip of the Keokuk Rocks at Bloomington (Ind.). *Ibid.* pp. 52-53. 1895.
- KINGSLEY, J. S. *In Memoriam*—EDWARD DRINKER COPE. *Am. Nat.* 1897, pp. 410-419, 4 pls. 1897. A.C.
- , & C. E. BECHER. The Systematic Position of the Trilobites. *Am. Geol.* xx. pp. 33-40. 1897. And A.C.
- KIRCHOFF, A. See BRÜCKNER, E.
- KIRCHOFF, C. See DAY, D. T.
- KIRK, M. Z. The Sands of the Kansas River Valley. *Kansas Univ. Quart.* iv. pp. 124-128. 1896.
- KITSON, A. E. Geological Notes on the Gehi and Indi Rivers and Monaro Gap, Mount Kosciusko (N.S.W.). *Proc. Roy. Soc. Victoria (Aust.)*, n. s. ix. pp. 22-28. 1897.
- KITTELBERGER, A. S. See MABERY, C. F.
- KJELLMARK, K. Une Trouvaille archéologique, faite dans une Tourbière au nord de la Néricie. *Bull. Geol. Inst. Univ. Upsala*, iii. pp. 14-26, figs. 1897. And A.C.
- 2. Några Kalktuffer från Axberg i Nerike. *Geol. Fören. Stockh. Förh.* xix. pp. 137-152. 1897.
- KLEIN, C. Ueber Leucit und Analcim und ihre gegenseitigen Beziehungen. *Sitz. k.-preuss. Akad. Wissensch. Berlin*, 1897, pp. 290-354, figs. 1897.
- KLEMM, G. Ueber ein typisches Lössprofil bei Aschaffenberg. *Notizbl. Ver. f. Erdk. Darmstadt*, ser. 4, no. xvii. pp. 10-16, pl. ii. 1896.
- 2. Excursionsbericht durch das krystalline Grundgebirge des Spessarts. *Zeitschr. deutsch. geol. Gesellsch.* xlviii. pp. 729-731. 1896.
- , See CHELIUS, C.
- , & G. DEHLINGER. Geologisch-agronomische Untersuchung des Gutes Weilerhof (Wolfskehlen bei Darmstadt). *Abh. hessisch. geol. Landesanst.* iii. no. 1, pp. 1-52, pl. i. [Map, $\frac{1}{1000}$.] 1897.
- KLITKE, M. Die geologische Landesaufnahme der Dominion of Canada. *Zeitschr. f. prakt. Geol.* 1897, pp. 117-144. 1897.
- KLOOS, J. H. Ueber den geologischen Bau des Hilses. *Jahresb. Ver. Naturw. Braunschweig*, x. pp. 89-98. 1897.
- 2. Petrefacten aus dem Gaultthon von Thiede. *Ibid.* pp. 184-185. 1897.
- 3. Die neuen Arbeiten in der Hermannshöhle bei Rübeland. *Ibid.* pp. 223-226. 1897.
- 4. Ein neues Zinnobervorkommen in Toscana. *Ibid.* pp. 227-228.
- 5. Die Kohlenfelder im Banater Gebirge, Südkarpathen. *Ibid.* pp. 260-274. 1897.
- 6. Die Kohlenfelder bei Fünfkirchen in Süd-Ungarn und im Banater Gebirgsmassiv (Süd-Karpathen). *Zeitschr. f. prakt. Geol.* 1897, pp. 148-156. 1897.
- *KNOCHENHAUER, B. Der Goldbergbau Kaliforniens und sein Ertrag in Vergangenheit, Gegenwart und Zukunft. *Berg-hütt. Zeitung, Leipzig*, 1897 (26 pp.). [Map, $\frac{1}{500000}$.] 1897.
- KNOTT, C. G. On Lunar Periodicities in Earthquake Frequency. *Proc. Roy. Soc.* lx. 457-466. 1897.
- 2. Earthquake Frequency. *Rep. Brit. Assoc.* 1896, lxi. p. 220. 1896.
- *KNOWLTON, F. H. Report on a Collection of Fossil Plants from Morgantown, West Virginia. *Am. Geol.* xviii. pp. 370-379. 1896. See WHITE, I. C.
- , See LINDGREN, W.; see STANTON, T. W.
- *KOBY, F. Monographie des Polypiers crétacés de la Suisse. II. *Mém. Soc. palé. suisse*, 1896, xxiii. pp. 29-62, pls. ix-xvi. 1897.
- , See LORIOL, P. DE.
- KOCH, A. Umgebungen von Kolosvár (Klausenburg). *Erläut. geol. Specialkarte Länd. ung. Krone*. Blatt Zone 18, Col. xxix. ($\frac{1}{55000}$), pp. 1-24. 1885. A.C.

- KOCH, A. 2. Umgebungen von Bánffy-Hunyad. *Ibid.* Blatt Zone 18, Col. xxviii. pp. 1-41. 1889. A.C.
- 3. Umgebungen von Alparét. *Ibid.* Blatt Zone 17, Col. xxix. pp. 1-14. 1890. A.C.
- 4. Umgebungen von Torda. *Ibid.* Blatt Zone 19, Col. xxix. pp. 1-52. 1890. A.C.
- 5. Bericht über die im Klausenburger Randgebirge und in dessen Nachbarschaft im Sommer 1882 ausgeführte geologische Specialaufnahme. *Földt. Közl.* 1883, pp. 117-140, 1 pl. 1883. A.C.; & *id.* 1883. *Ibid.* 1884, pp. 368-391, pl. ii. 1884. A.C.
- 6. Bericht über die am Rande des Gyaluer Hochgebirges in der Kalotaszeg und im Vlegyasza-Gebirge im Sommer 1884 ausgeführte geologische Detailaufnahme. *Ibid.* 1885, pp. 465-479. 1885. A.C.
- 7. Bericht über die siebenbürgischen Erdbeben im Jahre 1886. *Ibid.* 1889, pp. 74-82. 1889. A.C.
- 8. JÓZSEF SZABÓ (1822-1894). *Ibid.* 1895, pp. 273-327. 1895. A.C.
- 9. Ueber das Vorkommen und die Verbreitung der *Gryphæa Eszterhazyi*, Pávay. *Ibid.* 1896, pp. 1-7, 324-329, & 360-366. 1896. A.C.
- 10. Die alttertiären Echiniden Siebenbürgens. *Jahrb. k.-ung. geol. Anst.* vii. pp. 47-132, pls. v-viii. 1885. A.C.
- 11. Bericht über die im Gebiete der Komitate Kolos und Szolnok-Doboka im Sommer 1885 durchgeführte geologische Detailaufnahme. *Ibid.* 1887, pp. 62-79. 1887. A.C.
- 12. Bericht über die in dem südlich von Klausenburg gelegenen Gebiete im Sommer 1886 durchgeführte geologische Detailaufnahme. *Ibid.* 1888, pp. 55-90, pl. i. 1888. A.C.
- 13. Bericht über die im Sommer 1887 durchgeführte geologische Specialaufnahme des westlich von Torda gelegenen Gebietes im Torda-Aranyoser Comitate. *Ibid.* 1889, pp. 29-66, 1 pl. 1889. A.C.
- 14. Die Tertiärbildungen des Beckens der siebenbürgischen Landestheile. I. Theil. Paläogene Abtheilung. *Ibid.* 1894, pp. 179-397, pls. vi-ix. 1894. A.C.
- 15. Geologie der Fruscagora (Slavonia). *Math. & naturw. Ber. Ung.* xiii. pp. 45-127, pl. i. [Map, Fruscagora Gebirges, $\frac{1}{100,000}$] 1896. A.C.
- 16. Die Echiniden der obertertiären Ablagerungen Siebenbürgens. *Orvos-term. Ért. Budapest*, 1887, pp. 1-18, pl. v. 1887. A.C.
- 17. Neue Daten zur Kenntniss der diluvialen Fauna der Gegend von Klausenburg. *Ibid.* 1888, pp. 111-117, pl. iii. 1888. A.C.
- 18. Mineralogische Mittheilungen aus Siebenbürgen. *Ibid.* 1888, pp. 228-238. 1888. A.C.
- 19. Grobkalkschichten der Umgebung Klausenburg's mit besonderer Rücksicht auf deren technischen Werth. *Ibid.* 1889, p. 175. 1889. A.C.
- 20. Neue paläontologische Daten aus den jüngeren Tertiärbildungen Siebenbürgens. *Ibid.* 1889, pp. 176-181. 1889. A.C.
- 21. Ueber den Sockelstein des Gr. Emer. Mikó-Monumentes. *Ibid.* 1889, pp. 181-182. 1889. A.C.
- 22. Ueber die Verhältnisse des Vorkommens des hypersthenithaltigen Augitandesites von Málnás in Ost-Siebenbürgen. *Ibid.* 1889, pp. 297-301. 1889. A.C.
- 23. *Sabal major*, Ung. sp. in der fossilen Flora Siebenbürgens. *Ibid.* 1889, pp. 302-303. 1889. A.C.
- 24. Viertes Supplement zu dem Verzeichnisse der siebenbürgischen Funde von Ursäugethier-Resten und prähistorischen Artefacten. *Ibid.* 1889, pp. 303-306. 1889. A.C.
- 25. Geologische Beobachtungen in Siebenbürgen. *Ibid.* 1890, pp. 366-368. 1890. A.C.
- 26. —. *Ibid.* 1893, pp. 91-99, pl. ii. 1893. A.C.
- 27. Geologische Beobachtungen an verschiedenen Punkten des siebenbürgischen Beckens. *Ibid.* 1894, pp. 81-98, pl. ii. 1894.
- 28. —. *Ért. magyar tud. Akad. Budapest*, 1895, xx. pp. 21-25. 1895.
- 29. *Prohyacon orientalis*, ein neues Ursäugethier aus den mitteleocänen Schichten Siebenbürgens. *Term. Füzet. Budapest*, xx. pp. 481-500, pls. xii & xiii. 1897. A.C.
- KOCH, M. Nachweis von Culm und Clymenienkalk im Unterharz. *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi., *Abh. Mitarb.* pp. 125-126. 1896.
- 2. Gliederung und Bau der Culm- und Devonablagerungen des Hartenberg-Büchenberger Sattels nördlich von Elbingerode im Harz. *Ibid.* pp. 131-164 figs. pl. viii. [Map, $\frac{1}{25,000}$] 1896.

- KOCH, M. 3. Ueberblick über die neueren Ergebnisse der geologischen Forschung im Unterharz. *Zeitschr. deutsch. geol. Gesellsch.* xlix., Protok. pp. 7-19, figs. 1897.
- See BEUSHAUSEN, L., &c.
- KOCHIBE, T., K. NAKASHIMÁ, S. ÔTSUKA, & M. YAMAGAMI. Imperial Geolo-
Survey of Japan. Maps, $\frac{1}{200,000}$.
- | | | |
|------|-------------------------|-------|
| Zone | 2. Col. iii. Kagoshima. | 1897. |
| — | 8. Col. v. Hamada. | 1896. |
| — | 8. Col. vii. Akō. | 1895. |
| — | 9. Col. v. Sambeyama. | 1897. |
| — | 9-10. Col. vi. Daisen. | 1897. |
- KOENEN, A. von. Ueber die untere Kreide Norddeutschlands. *Zeitschr. deutsch. geol. Gesellsch.* xlviii. pp. 713-715. 1896.
- 2. Ueber Fossilien der Unteren Kreide am Ufer des Mungo in Kamerun. *Abh. k. Gesellsch. Wissensch. Göttingen*, n. s. i. pp. 1-48, pls. i-iv. 1897.
- *KOENEN, C. Ueber die Art der Niederlage und die Zeitfolge der postdiluvialen vulcanischen Auswurfsmassen bei Andernach. *Sitz. niederrhein. Gesellsch. Nat. &c., Bonn*, 1896, pp. 65-76. 1897.
- KÖHLER, G. See FORIR, H.
- KOKEN, E. Ueber das Alter und die ursprüngliche Heimath des Mammuths. *Jahresh. Ver. Naturk. Württ.* liii. pp. ix-xi. 1897.
- KOLDERUP, C. F. Die Labradorfelse des westlichen Norwegens. I. Das Labradorfelsesgebiet bei Ekersund und Soggedal. *Bergens Mus. Aarb.* 1896, no. v. pp. 1-222, pls. i-iv. [Maps, Ekersund $\frac{1}{400,000}$; Soggedal $\frac{1}{60,000}$] 1896. A.C.
- KOLENKO, B. See ROSSIKOV, C.
- KOLLMANN, J. See NÜESCH, J., &c.
- *KONCHIN, A. De Wladikavkaz aux Gisements de Naphte de Grozny. *Guide, VII. Congrès géol. internat.* 1897, no. 18, pp. 1-4, figs. [Map, Grozny.] 1897.
- *— 2. De Tiflis à Bakou. Gisements de Naphte de Bakou. *Ibid.* 1897, no. 24, pp. 1-5, figs. [Map.] 1897.
- *— 3. De la Station Mikhaïlowo, par Borjom et Abas-Touman, à la Station Rion. *Ibid.* 1897, no. 26, pp. 1-5, figs. 1897.
- KONINCK, L. L. DE. Sur le Chlorure de Sodium du Terrain houiller. *Ann. Soc. géol. Belg. Liège*, xxiv. pp. lix-lx. 1897.
- KOSSMAT, F. The Cretaceous Deposits of Pondicherry. *Rec. Geol. Surv. India*, xxx. pp. 51-110 (pls. vi-x). 1897.
- 2. Ueber die geologischen Aufnahmen im Tarnowanerwalde. *Verh. k.-k. geol. Reichsanst.* 1897, pp. 144-145. 1897.
- 3. Ueber die geologischen Verhältnisse der Umgebung von Adelberg und Planina. *Ibid.* pp. 78-84. 1897.
- KRAATZ, K. von. Die Barytvorkommen des Odenwaldes. *Abh. hessisch. geol. Landesanst.* iii. no. 2, pp. 53-75, pls. iii. & iv. 1897.
- *— 2. Gümblit als Versteinigungsmittel. *Min. petr. Mitth.* n. s. xvii. pp. 492-493. 1897.
- 3. Der Hornblende-basalt von Mitlechtern im Odenwald. *Notizbl. Ver. f. Erdk. Darmstadt*, ser. 4, no. xvii. pp. 23-28. 1896.
- 4. Gyps von Girgenti. *Zeitschr. f. Kryst.* xxvii. pp. 604-605. 1897.
- KRAFFT, A. von. Ueber den Lias des Hagengebirges. *Verh. k.-k. geol. Reichsanst.* 1897, pp. 95-99. 1897.
- 2. Ueber einen neuen Fund von Tithon in Niederfellabrunn bei Stockerau. [*Perisphinctes.*] *Ibid.* pp. 193-196. 1897.
- *KRAHMER, —. Russische topographische und kartographische Arbeiten in Sibirien im Jahre 1895. *Peterm. Mitth.* xliii. pp. 101-106. 1897.
- *KRANTZ, F. Ueber thonhaltige Mineralien und ihre Bedeutung für die Gasglühlicht-Industrie. *Sitz. niederrhein. Gesellsch. Nat. &c., Bonn*, 1896, pp. 42-50. 1896.
- KRASAN, F. Zur Abstammungs-Geschichte der autochthonen Pflanzenarten. *Mitth. nat. Ver. Steiermark*, 1896, pp. 8-50. 1897.
- 2. Das Tertiärbecken von Afenz. *Ibid.* pp. 51-59. 1897.
- *KRASNOPOLSKI, —. Le Chemin de Fer de l'Oural. [L'Oural à Perm.] *Guide, VII. Congrès géol. internat.* 1897, no. 10, pp. 1-16, figs. 1897.
- KRATOV, P. Recherches géologiques dans le Gouvernement de Vjatka. *Bull. Comité géol. Russie*, xvi. pp. 75-102. 1897.
- KRAUSE, A. Ueber die Ostracodenfauna eines holländischen Silurgeschiebes. *Zeitschr. deutsch. geol. Gesellsch.* 1896, xlviii. pp. 932-939, pl. xxv. 1897.
- KRAUSE, P. G. Zur Frage nach dem Alter der Eberswalder Kieslager. *N. J. f. Min.* 1897, i. pp. 192-198, fig. 1897.

- KRAUSE, P. R. Ueber den Einfluss der Eruptivgesteine auf die Erzführung der Witwatersrand-Conglomerate und der im dolomitischen Kalkgebirge von Lydenburg auftretenden Quarzflötze, nebst einer kurzen Schilderung der Grubenbezirke von Pilgrims Rest und De Kaap (Transvaal). *Zeitschr. f. prakt. Geol.* 1897, pp. 12-25, figs., pl. i. [Map, De Kaap District.] 1897.
- KRÉTSCHMER, F. Die Graphitablagerung bei Mährisch-Altstadt—Goldenstein. *Jahrb. k.-k. geol. Reichsanst.* xlvii. pp. 21-56, fig., pl. i. [Map, $\frac{1}{75,000}$.] 1897.
- KRISHTAFOVICH, N. Nachtrag zu den interglaciären Ablagerungen in der Umgegend von Grodno. *Ann. géol. min. Russie*, i. pt. 2, pp. 25-30, figs. 1897.
- 2. Jura-Gebilde in der Umgegend von Lukow, Gouvernement Sledlice. *Ibid.* ii. no. 1, pp. 8-13. 1897.
- 3. Kurzer Bericht über Untersuchungen der Kreide-Ablagerungen in den Gouvernements Lublin und Radom. *Mater. Geol. russ.* xviii. pp. 159-170. 1897.
- KROTOV, P. Einige Bemerkungen über die Tektonik des Dnjeprrowschen kristallinen Gesteinstreifens. *Ann. géol. min. Russie*, i. pt. 2, pp. 30-37. 1897.
- KRUSCH, P. Bericht über das wissenschaftliche Ergebniss der geologischen Aufnahmen auf Blatt Zachow im Sommer 1895. *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi. pp. cv-cviii. 1896.
- 2. Die Goldlagerstätten in den Hohen Tauern. *Zeitschr. f. prakt. Geol.* 1897, pp. 77-88. 1897.
- 3. Uebersicht über die nutzbaren Lagerstätten Russlands. *Ibid.* 1897, pp. 272-286. 1897.
- KÜHN, B. Bericht über die wissenschaftlichen Ergebnisse der Aufnahmen auf Blatt Posen und Blatt Owinsk im Jahre 1895. *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi. pp. cxi-cxiii. 1896.
- KUMMEL, H. B. The Newark System of New Jersey. *Journ. Geol. Chicago*, v. pp. 541-562. 1897.
- KUNZ, G. F. On the Sapphires from Montana, with special Reference to those from Yogo Gulch in Fergus County. *Am. Journ. Sci.* ser. 4, iv. pp. 417-420. 1897.
- See DAX, D. T., &c.
- KUNTZ, J. Criticism of Mr. Schmutz-Dumont's River-Bed Theory. *Trans. Geol. Soc. S. A.* ii. pp. 128-130. 1897.
- KURNAKOV, N. Ueber die Metamorphose der Mutterlauge der Krimmschen Salzseen. *Verh. russ.-k. min. Gesellsch.* xxxiv. *Protocolle*, pp. 67-68. 1897.
- KUSNEZOV, N. J. Die russischen Steppen. *Sitz. Naturf. Gesellsch.* xi. pp. 162-175. 1896.
- KYLE, J. J. J. La Composición química de las Aguas de la Republica Argentina. *An. Soc. cient. Argent.* xliii. pp. 19-25, 111-121, 161-171, 280-285. 1897.
- LA TOUCHE, T. D. The Calcutta Earthquake. *Nature*, lvi. pp. 273-274, fig. 1897.
- 2. Report on the Occurrence of Coal at Palana Village in Bikanir State. *Rec. Geol. Surv. India*, xxx. pp. 122-125, pl. xiv. 1897.
- LACROIX, A. Sur une Pseudomorphose de Pyrrhotine en Marcasite. *Bull. Mus. Hist. nat. Paris*, 1896, pp. 357-358. 1896.
- 2. Sur la Structure intérieure des Cristaux de Mésotype et d'Édingtonite. *Bull. Soc. franç. Min.* xix. pp. 422-426. 1896.
- 3. Sur la Gonnardite. *Ibid.* pp. 426-429. 1896.
- 4. Sur les Propriétés optiques de quelques Cristaux d'Harmotome. *Ibid.* pp. 429-431. 1896.
- 5. Sur la Brushite et la Métabrushite. *Ibid.* xx. pp. 112-118. 1897.
- 6. Matériaux pour la Minéralogie de la France: Cinabre de Réalmont; Kaolinite cristallisée de Saint-Mary-le-Plain (Cantal). *Ibid.* pp. 118-120. 1897.
- 7. Sur l'Existence de l'Ouwarowite dans l'Île de Skyros. *Ibid.* pp. 120-121. 1897.
- 8. Etude minéralogique de l'Action de Fumerolles volcaniques sulfurées sur la Serpentine. *C. R. Acad. Sci. Paris*, cxxiv. pp. 513-516. 1897.
- 9. Sur la Constitution minéralogique de l'Île de Polycandros (Archipel). *Ibid.* pp. 628-630. 1897.
- 10. Sur la Marcasite de Pontpéan et sur des Groupements réguliers de Marcasite, de Pyrite et de Galène, constituant des Pseudomorphoses de Pyrrhotine. *Ibid.* cxxv. pp. 265-267. 1897.
- LADRIÈRE, J. Le Terrain Quaternaire des Environs de Douai. *Ann. Soc. géol. Nord*, xxiv. pp. 54-68. 1896.
- 2. La Carte agronomique de la Commune de Crespin (Nord). *Ibid.* pp. 97-109. 1897.

- *LAGORIO, A. Itinéraire géologique par le Kara-Dagh. *Guide, VII. Congrès géol. internat.* 1897, no. 31, pp. 1-14, figs. [Map.] 1897.
- See GOLOVKINSKI, N.
- LAHILLE, F. Variabilité et Affinités du *Monophora Darwini*. *Rev. Mus. La Plata*, vii. pp. 411-444, pls. i-v. 1896.
- LAKE, P. On a Method of Determining the Actual Direction of Movement, whether Lateral or Vertical, in Faults. *Geol. Mag.* dec. 4, iv. pp. 545-548, figs. 1897.
- *— 2. The Geology of Mexico. *Sci. Progr.* n. s. i. pp. 609-615, 1 pl. [Map.] 1897.
- LAKES, A. Sketch of a Portion of the Gunniston Gold Belt, including the Vulcan and Mammoth Chimney Mines. *Trans. Am. Inst. M. E.* xxvi. pp. 440-448, fig. 1897.
- LAMBERT, J. Note sur les Échinides de la Craie de Ciply. *Bull. Soc. belge Géol. Brux.* ser. 2, xi. *Mém.* pp. 141-144. 1897. [Pls. ii-v with continuation to appear later.]
- LAMPLUGH, G. W. On the Bridlington and Dimplington Glacial Shell-beds. *Geol. Mag.* dec. 2, viii. pp. 535-546. 1881. A.C.
- 2. On a New Locality for the Arctic Fauna of the 'Basement' Boulder Clay in Yorkshire. *Ibid.* dec. 3, vii. pp. 61-69, figs. 1890. A.C.
- 3. Glacial Sections near Bridlington. *Proc. Yorks. Geol. Soc.* n. s. viii. pp. 27-38, pl. i. 1882. A.C. And *ibid.* n. s. xi. pp. 276-307, pl. xiii. 1889. A.C.
- 4. On the larger Boulders of Flamborough Head and other parts of the Yorkshire Coast.—Part IV. *Ibid.* pp. 397-408. 1890. A.C.
- 5. The Flamborough Drainage-Sections. *Ibid.* n. s. xii. pp. 145-148, pl. v. 1892. A.C.
- 6. The Neocomian Clay at Knapton. *Naturalist, Leeds*, 1890, pp. 336-338. 1890. A.C.
- 7. On a Recent Exposure of the Shelly Patches. With Notes on the Fossils by J. GWYN JEFFREYS, E. T. NEWTON, & H. W. CROSSKEY. *Q. J. G. S.* xl. pp. 312-328, pl. xv., figs. 1884. A.C.
- 8. On Glacial Shell-beds in British Columbia. *Ibid.* xlii. pp. 276-286, figs. 1886. A.C.
- 9. The Isle of Man. Geology. An Appendix to the Handbook prepared for the Liverpool Meeting of the British Association in 1896. Pp. 165-181, map, 1 inch=4 miles. 12mo. Liverpool, 1896. And A.C.
- See HERDMAN, W. A., &c.
- LAMPRECHT, R. Von dem Montanwesen der Milleniums-Ausstellung zu Budapest, 1896. *Berg-hütt. Jahrb. Wien*, xlv. pp. 21-101. 1897.
- 2. The Salt Mines of Transylvania. *Coll. Guard.* lxxiv. p. 930. 1897.
- LANCASTER, A. See FORBES, H.
- LANE, A. C. Grain of Rocks. *Bull. Geol. Soc. Am.* viii. pp. 403-407, figs. 1897.
- *LANGENBECK, R. Das Atoll Funafuti in der Ellice-Gruppe. *Peterm. Mitteil.* xliii. pp. 190-192. 1897.
- *— 2. Neuentdeckte unterseeische Bänke im südlichen Stillen Ozean. *Ibid.* p. 193. 1897.
- LAPPARENT, A. DE. Note sur l'Histoire géologique des Vosges. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 6-29, fig. [map, Rhätian Rhine District, $\frac{1}{5,000,000}$]. 1897. And A.C.
- 2. Sur l'Histoire géologique des Vosges. *C. R. Acad. Sci. Paris*, cxxiv. pp. 51-54. 1897.
- 3. Une Nouvelle Théorie des anciens Glaciers. *Rev. Quest. sci. Louvain*, 1897, pp. 1-24. 1897. A.C.
- See MICHEL-LÉVY, A., &c.
- LARRAZET, M. Notas estratigráficas y paleontológicas acerca de la Provincia de Burgos. *Bol. Com. Mapa geol. España*, xxii. pp. 121-143, figs., pls. xxx. & xxxi. 1897.
- LASHAM, F. Palæolithic Man in West Surrey. *Coll. Surrey Archaeol. Soc.* xi. (pp. 1-5), figs., 2 pls. 1892. A.C.
- *LASPEYRÈS, H. Die Meteoriten-Sammlung der Universität Bonn. II. Abschnitt. *Verh. naturh. Ver. preuss. Rheinl.* lii. pp. 141-220. 1895.
- *— 2. Der geologische Bau des Siebengebirges. *Sitz. niederrhein. Gesell. Nat. &c., Bonn*, 1896, pp. 118-119. 1896.
- *— 3. Vorrichtung zur Scheidung von Mineralien mittelst schwerer Lösungen. *Ibid.* pp. 119-121. 1896.
- *— 4. Luftdichter Verschluss von Mineralien in Schausammlungen. *Ibid.* pp. 121-122. 1896.
- 5. Mittheilung aus dem mineralogischen Museum der Universität Bonn.—51. Die steinigeln Gemengtheile im Meteoriten von Toluca in Mexico. *Zeitschr. f. Kryst.* xxvii. pp. 586-600. 1897.

- LATASTE, F. Les Sables à gros Grains de Santa Ana (République Argentine), dans lesquels on a rencontré le *Margarodes*, contiennent une certaine proportion d'Argile. *Actes Soc. sci. Chili*, vi. pp. lxi-lxii. 1896.
- *LAUNAY, L. DE. Les Diamants du Cap [&c.]. Pp. i-iii, 1-226, figs., & maps. 8vo. Paris, 1897.
- 2. Contribution à l'Étude des Gîtes métallifères. *Ann. Mines, Paris*, ser. 9, xii. pp. 119-227. 1897.
- 3. Feuille de Confolens. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 27-29. 1897.
- 4. The Karoo Formation of South Africa. *Coll. Geol.* lxxiii. p. 537. 1897.
- 5. Sur le Rôle des Phénomènes d'Altération superficielle et de Remise en Mouvement dans la Constitution des Gisements métallifères. *C. R. Acad. Sci. Paris*, cxxiv. pp. 630-633. 1897.
- 6. Sur les Relations de certains Gisements de Plomb carbonaté avec des Grottes et d'anciens Lits de Rivières souterraines. *Ibid.* cxxiv. pp. 1374-1379. 1897.
- 7. Sur les Roches diamantifères du Cap et leurs Variations en Profondeur. *Ibid.* cxxv. pp. 335-337. 1897.
- LAWSON, A. C. The Geology of the San Francisco Peninsula. *Journ. Geol. Chicago*, v. pp. 173-174. 1897.
- LE CONTE, J. Earth-crust Movements and their Causes. *Bull. Geol. Soc. Am.* viii. pp. 113-126. 1897.
- *LEACH, J. C. Report of the State Natural Gas Supervisor. *Ann. Rep. Dep. Geol. &c. Indiana*, xxi. 1896, pp. 428-456. 1897.
- LEBEDEV, N. Les Stromatoporidea d'après Nicholson. *Bull. Comité géol. Russie*, xv. pp. 225-248. 1897.
- LECHIEN, V. Découverte d'un nouvel Ichtyosaure à Arlon. *Bull. Soc. belge Géol. Brux.* 1895, ix. *Proc. verb.* pp. 110-112, figs. 1896.
- LEENHARDT, F. Sur l'Existence de la Zone à *Hoplites Boissieri* près de Batna. *Bull. Soc. géol. France*, ser. 3, xxv. p. 34. 1897.
- See KILIAN, W.
- *LEFORT, F. Failles et Géogénie d'après les Observations et Découvertes faites dans le Nivernais. Pp. 1-260; pls. i-v & map, $\frac{1}{30,000}$. 4to. Paris, 1897.
- LEIGH, W. S. Reports on Caves. *Ann. Rep. Dep. Mines, N.S.W.* 1896, pp. 151-152. 1897.
- LEISS, C. Die neueren Projektionsapparate von R. Fuess. *N. J. f. Min. Beilage-Band*, xi. pp. 46-64, figs. 1897.
- LEMOINE, V. Sur l'Application des Rayons Röntgen aux Études paléontologiques. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 660-662. 1896; & *C. R. Soc. géol. France*, 1896, pp. cxciii-cxcv. 1896.
- LENK, H. See FELIX, J.
- *LEONHARD, R. Die Fauna der Kreideformation in Oberschlesien. *Palæontographica*, xlv. pp. 11-70, figs., pls. iii-vi. 1897.
- LEPPLA, A. Zur Geologie des linksrheinischen Schiefergebirges. *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi. *Abh. Mitarb.* pp. 72-73, figs. 1896.
- *— 2. Ueber die Störungerscheinungen und Epochen in der Geschichte des Saar-Nahe-Gebietes. *Verh. naturh. Ver. preuss. Rheinl.* lii. pp. 5-8. 1895.
- LEPSIUS, R. Bericht über die Arbeiten der Grossh. hess. geologischen Landesanstalt. *Notizbl. Ver. f. Erdk. Darmstadt*, ser. 4, no. xvii. pp. 1-2. 1896.
- *— 2. Geologische Karte des deutschen Reichs. $\frac{1}{600,000}$. 1897. 1. Schleswig; 2. Stralsund; 3. Rügenwalde [& Bornholm]; 4. Danzig; 5. Königsberg; 8. Schwerin; 9. Stettin; 10. Bromberg; 15. Frankfurt-am-Oder; 16. Posen. Gotha, 1897. Also Namenverzeichniss. Fol. Gotha, 1897.
- LERICHE, —. Excursion dans le Bassin de Paris. *Ann. Soc. géol. Nord*, 1896, xxiv. pp. 298-319. 1897.
- LEVALLOIS, A., & St. MEUNIER. Sur de la Chaux anhydre cristallisée. *Ann. Inst. Nat. agron. Paris*, 1878-79, pp. 113-114. 1881. A.C.
- *LEVAT, E. D. L'Or en Sibérie orientale. [2 vols.] I. Transbaikalie; pp. i-xvi, 1-202, pls. i-xiv. [Maps, Siberia.] II. Province amourienne; pp. 1-470, pls. i-xxii. [Maps.] 8vo. Paris, 1897.
- *— 2. Constitution géologique des Gisements aurifères de la Sibérie orientale. *C. R. Assoc. franç. Av. Sci.* 1896, xxv. pt. 2, pp. 270-274. 1897.
- See SABACHNIKOV, T.
- LEVI, G. Gasteropoda giurassici dei Dintorni di Aquila. *Boll. Soc. geol. ital.* xv. pp. 314-324, pl. ix. 1896.
- LEWIS, H. C. Papers and Notes on the Genesis and Matrix of the Diamond. Edited from his unpublished MSS. by T. G. BONNEY. Pp. 1-72, figs., pls. i. & ii. 8vo. London, 1897.

- LEWIS, V. B. See BEDSON, P. P., &c.
- LICHTENBERGER, —. Das Salzwerk zu Heilbronn. *Zeitschr. Berg- Hütt.-Salinenw.* xlv. pp. 135-148, pl. iii. [Map, $\frac{1}{100,000}$.] 1897.
- LIDGEY, E. Some Indications of Ore Deposits. *Trans. Aust. Inst. M. E.* iv. pp. 110-120. 1897.
- LIEBRICH, A. Ueber die Bildung von Bauxite und verwandte Mineralien. *Zeitschr. f. prakt. Geol.* 1897, pp. 212-214. 1897.
- LIÈVRE, D. Une Éruption volcanique au Japon. Higashi Kirishima, 15 mars 1896. *Bull. Soc. Géogr. Havre*, 1896. (1 p.) 1896. A.C.
- LINCOLN, D. F. Report on the Structural and Economic Geology of Seneca County. *Ann. Rep. N.Y. Geol. Surv.* xiv. pp. 57-125, pls. i-xix, figs. [Maps.] 1896; & *Ann. Rep. N.Y. State Mus.* xviii. pt. 2, pp. 57-125, figs., pls. i-xix. 1896.
- LINDGREN, W. The Age of the Auriferous Gravels of the Sierra Nevada.—With a Report on the Flora of Independence Hill, by F. H. KNOWLTON. *Journ. Geol. Chicago*, iv. pp. 881-906, figs. 1896.
- 2. The Granitic Rocks of the Pyramid Peak District, Sierra Nevada, California. *Am. Journ. Sci.* ser. 4, iii. pp. 301-314, fig. [Map, Sierra Nevada, 1 inch=7.5 miles.] 1897.
- 3. Monazite from Idaho. *Ibid.* iv. pp. 63-64. 1897.
- LIPP, A. Analysis of a recently discovered Toxine Spring [Seeg, near Füssen (Bavaria).] *Chem. News*, lxxvi. p. 306. 1897.
- LISTA, R. La Patagonia Andina. *An. Soc. cient. Argent.* xlii. pp. 401-425. 1897.
- LIVERSIDGE, A. Presence of Gold in Natural Saline Deposits and Marine Plants. *Journ. Chem. Soc.* 1897, lxxi. pp. 298-299. 1897.
- 2. The Crystalline Structure of Gold and Platinum Nuggets and Gold Ingots. *Ibid.* pp. 1125-1131, pls. i-xvi. 1897.
- LLOYD, H. The Middelburg Coalfields (South Africa). *Coll. Guard.* lxxiv. pp. 871-872. 1897.
- LOBANOV, D. I. Catalogue du Musée de la Société ouralienne d'Amateurs de Sciences naturelles à Ekathérinebourg. Pt. I.; pp. 1-374. 8vo. Ekathérinebourg, 1897.
- LOBLEY, J. L. On the Source of Lava. *Rep. Brit. Assoc.* 1896, lxvi. pp. 788-789. 1896.
- 2. On the Post-Cambrian Shrinkage of the Globe. *Ibid.* p. 789. 1896.
- 3. The Mean Radial Variation of the Globe. *Journ. City of London Coll. Sci. Soc.* iv. pp. 1-22. 1897. A.C.
- 4. The Recent Earthquake. *Knowledge*, xx. p. 1. 1897.
- 5. The Age of Mountains. *Ibid.* pp. 15-17, figs. 1897.
- 6. —. II. British Mountains. *Ibid.* pp. 92-95, figs. 1897.
- 7. —. III. *Ibid.* pp. 136-138, figs. 1897.
- LOEWINSON-LESSING, F. Ein Wort über die Correlation der Transgressionen und über Restaurirungskarten. Pp. 1-4. 8vo. St. Petersburg, 1897.
- 2. Catalogue de la Collection de Météorites de l'Université Impériale de Iourieff (Dorpat). (Musée minéralogique.) *Acta Imp. Univ. Dorpat*, v. no. 2, pp. 1-8. 1897. A.C.
- 3. Note sur la Classification et la Nomenclature des Roches éruptives. *Congrès géol. internat.*, *Mém.* no. 4, pp. 1-72 & 1 tab. 1897.
- * — 4. De Wladikavkaz à Tiflis par la Route Militaire de Géorgie. *Guide, VII. Congrès géol. internat.* 1897, no. 22, pp. 1-28, figs., pls. A-C. 1897.
- LOGAN, W. N. Some New Cirriped Crustaceans from the Niobrara Cretaceous of Kansas. *Kansas Univ. Quart.* ser. A, vi. pp. 187-189. 1897.
- LOHEST, M., H. FORIE, & M. MOURLON. Compte-rendu de la Session extraordinaire de la Société géologique de Belgique dans la Vallée de l'Ourthe, entre Esneux et Comblain-au-Pont et à Modave, du 3 au 6 septembre, 1892. *Ann. Soc. géol. Belg., Liège*, xxii. pp. lxxxvii-cxl, figs., pl. vi. 1897.
- See FORIE, H.
- LOMAS, J. Do the Crystalline Gneisses represent Portions of the Original Earth's Crust? *Geol. Mag.* dec. 4, iv. pp. 537-543. 1897.
- 2. The Earthquake of December 17th, 1896. *Proc. Liverp. Geol. Soc.* viii. pp. 91-98, pl. vii. [Map.] 1897.
- , & P. F. KENDALL. The Glacial Phenomena of the Vale of Clwyd. *Rep. Brit. Assoc.* 1896, lxvi. p. 801. 1896.
- LONGRIDGE, C. C. Mining in Northern Argentina. *Trans. Fed. Inst. M. E.* xii. pp. 327-334. 1897.
- *LORENZO, G. DE. Fossili del Trias medio di Lagonegro. *Palæontographia italica*, 1896, ii. pp. 113-148, pls. xv-xx. 1897.
- See BÖSE, E.

- *LORIOU, P. DE. Étude sur les Mollusques et Brachiopodes de l'Oxfordien supérieur et moyen du Jura bernois, accompagnée d'une Notice stratigraphique par E. Koby. 1^{re} partie. *Mém. Soc. palé. suisse*, 1896, xxiii. pp. 1-77, pls. i-xi. 1897.
- 2. Notes pour servir à l'Étude des Echinodermes, V. *Mém. Soc. Phys. & Hist. nat. Genève*, xxxii. pt. 2, no. 9, pp. 1-26, pls. xvi-xviii. 1897. And A.C.
- 3. Notes pour servir à l'Étude des Echinodermes, VI. *Rev. suisse Zool. Genève*, v. pp. 141-178, pls. 6-8. 1897. A.C.
- LORY, P. Feuilles de Die, Gap, Briançon, Vizille et Grenoble. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 141-144. 1897.
- 2. Sur les Couches à Nummulites du Dévoluy et des Régions voisines. *C. R. Soc. géol. France*, 1896, pp. xviii-xxi. 1896.
- 3. Sur la Zone des Chaînes subalpines. *Ibid.* pp. lxx-lxxi. 1896.
- LOTTI, B. Sul Rilevamento geologico eseguito in Toscana nell' Anno 1895. *Bol. R. Com. geol. Ital.* xxvii. pp. 297-300. 1896.
- 2. Inocerami nell' Eocene del Casentino (Toscana). *Ibid.* pp. 394-400, pl. iv. 1896.
- 3. Das Zinnober-Vorkommen von Jano bei Volterra in Toscana. *Zeitschr. f. prakt. Geol.* 1897, p. 224. 1897.
- LOUIS, H. Note on Altaite from Burma. *Min. Mag.* xi. pp. 215-216. 1897.
- 2. Note on the Tellurium Mineral of Choukpazat. *Trans. Fed. Inst. M. E.* xii. p. 513. 1897; & *Trans. N. Engl. Inst. Min. & Mech. Engin.* xvi. pp. 129-130. 1897.
- LOVISATO, D. Notizia sopra una Heulandite baritica di Pula con accenno alle Zeoliti finora trovate in Sardegna. *Atti R. Acc. Lincei*, ser. 5, *Rendic.* vi. sem. 1, pp. 260-264. 1897.
- LOW, A. P. Report on Explorations in the Labrador Peninsula, along the East Main, Koksoak, Hamilton, Manicuanag, and portions of other Rivers, in 1892-93-94-95. *Ann. Rep. Geol. Surv. Canada*, 1895, L. pp. 1-387, pls. i-iv. [Maps nos. 585-587, Labrador Peninsula, 1 inch=25 miles.] 1897.
- LUGEON, M. Feuille d'Albertville (Les Bauges). *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 143-147. 1897.
- 2. Leçon d'Ouverture du Cours de Géographie physique professé à l'Université de Lausanne. *Bull. Soc. vaud. Sci. nat.* xxxiii. pp. 49-78, pls. i-iii. [Maps, Isère, Rhone, & Rhine Rivers.] 1897.
- 3. Le Rhône suisse tributaire du Rhin. *C. R. Acad. Sci. Paris*, cxxiv. pp. 106-109. 1897.
- 4. La Loi de Formation des Vallées transversales des Alpes occidentales. *Ibid.* pp. 785-787. 1897.
- See HAUG, E.
- LUTUGIN, L. See TCHERNYSHEV, T.
- LUZJ, G. F. See ANGELIS D'OSSAT, G. de.
- LYDEKKER, R. English Plains and Escarpments. *Knowledge*, xx. pp. 263-264. 1897.
- LYONS, H. G. Note on a Portion of the Nubian Desert south-east of Korosko : I. Field Geology. II. Petrology, by Miss C. A. RAISIN. III. Water Analyses, by Miss E. ASTON. *Q. J. G. S.* liii. pp. 360-374, fig., pl. xxvi. [Map, 1 inch=16 miles.] 1897.
- MABERY, C. On the Composition of the Ohio and Canadian Sulphur Petroleum. *Proc. Am. Acad. Arts & Sci.* xxxi. pp. 1-66. 1896.
- 2. Investigations on American Petroleum. *Ibid.* xxxii. pp. 121-176. 1897.
- 3. On the Composition of American Petroleum. *Proc. Am. Phil. Soc.* xxxvi. pp. 126-136. 1897.
- , & E. J. HUDSON. Investigations on American Petroleum. *Proc. Am. Acad. Arts & Sci.* xxxii. pp. 101-118, & 179-182. 1897.
- , & A. S. KITTELBERGER. Investigations on American Petroleum. *Ibid.* pp. 185-191. 1897.
- McCALLEY, H. Report on the Valley Regions of Alabama. (Palæozoic Strata.) Part I. On the Tennessee Valley Region. [*Lepidodendron.*] *Rep. Geol. Surv. Alabama*, 1896, pp. i-xviii, 1-436, figs., pls. i-ix. [Map.] 1896.
- , & W. TAYLOR. —. Part II. On the Coosa Valley Region. *Ibid.* 1897, pp. i-xxii, 1-862, figs., pls. x-xxxv. 1897.
- McGEE, W. J. Preliminary Geologic Map of New York, exhibiting the Structure of the State so far as known. Prepared under the direction of JAMES HALL, State Geologist. *Geol. Surv. N. Y.* 4 sheets. $\frac{1}{316,800}$. 1894.
- 2. Sheetflood Erosion. [Mexico.] *Bull. Geol. Soc. Am.* viii. pp. 87-112, pls. x-xiii. 1897.
- MACKAY, A. H. Manganese Dendrites. *Proc. & Trans. N. S. Inst. Sci.* xi. pp. xxxviii-xl, fig. 1896.

- *MCKAY, G. R. Evidence of the Antiquity of Man in East London, Cape Colony. *Nat. Sci.* xi. pp. 334-336. 1897.
- McLACHLAN, D. C. Report of the Under Secretary for Mines and Agriculture for 1896. *Ann. Rep. Dep. Mines N.S.W.* 1896, pp. 1-59. 1897.
- McLENNAN, J. S. A Ramble up the Maich Water. *Trans. Geol. Soc. Glasgow*, x. pp. 121-128. 1895.
- 2. The Coast Line of Berwickshire from Eyemouth to Marshall Meadows Bay. *Ibid.* pp. 337-345. 1896.
- McMAHON, A. H. The Southern Borderlands of Afghanistan. *Geogr. Journ.* ix. pp. 393-415, figs. 1897.
- See McMAHON, C. A.
- McMAHON, C. A. Notes on the Age and Structure of the Gneissose Granite of the Himalayas, with Reference to Mr. Middlemiss's Memoir on the Geology of Hazara. *Geol. Mag.* dec. 4, iv. pp. 304-313, 345-355. 1897.
- , & A. H. McMAHON. Notes on some Volcanic and other Rocks which occur near the Baluchistan-Afghan Frontier, between Chaman and Persia. *Q. J. G. S.* liii. pp. 289-306, figs., pls. xviii-xx. [Map, 1 inch = 47.3 miles.] 1897.
- MACNAIR, P. On the Altered Basic Rocks of the Highlands, as exemplified by the Sill of Hornblende-Schist underlying the Loch Tay Limestone. *Proc. Geol. Soc. Glasgow*, x. pp. 302-317, figs., pl. vi. 1896.
- See REID, J.
- MADDOCK, H. E. Fossil Zones of the Lower Chalk of the South Coast. *Trans. Hull Geol. Soc.* ii. pp. 20-23. 1896.
- MADSEN, V. Note on German Pleistocene Foraminifera. *Meddel. Dansk geol. Foren.* no. 3, pp. 11-16. 1896.
- 2. Beskrivelse til geologisk Kort over Danmark i Maalestock 1:100,000. Kortbladet Samsø. *Dan. geol. Undersøg.* i. no. 5, pp. 1-87, & map. 1897.
- See MUNTHER, H.; see ÜSSING, N. V.
- MAILLARD, L. Contribution à l'Étude du Problème cosmogonique. *Bull. Soc. vaud. Sci. nat.* ser. 4, xxxiii. pp. 158-178, figs. 1897.
- MAISON, —. Feuille de Châtillon. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 19-21. 1897.
- MAITLAND, A. G. Notes on the Pikedale Goldfield. *Bull. Geol. Surv. Queensland*, no. 2, pp. 1-10. 1895.
- MAJOR, C. I. F. See FORSYTH-MAJOR, C. I.
- MAJORANA, Q. Sulla Riproduzione del Diamante. *Atti R. Ac. Lincei*, ser. 5, Rendic. vi. sem. 2, pp. 141-147, figs. 1897.
- MALAISE, C. Découverte de Graptolithes à Almaden, Province de Ciudad-Real (Espagne). *Ann. Soc. géol. Belg. Liège*, xxiv. pp. xxvi-xxvii. 1897.
- 2. Sur un Porphyroïde à Grand-Manil. *Ibid.* p. xxvii. 1897.
- 3. Sur *Harpes macrocephalus*. *Ibid.* p. lx. 1897.
- 4. Note préliminaire sur la Constitution de la Bande silurienne de Sambre-et-Meuse. *Bull. Acad. Sci. Belg.* ser. 3, xxxiii. pp. 803-809. 1897.
- MALLET, F. R. On Nematite from Afghanistan. *Min. Mag.* xi. pp. 211-214. 1897.
- MANOUVRIER, L. On *Pithecanthropus erectus*. *Am. Journ. Sci.* ser. 4, iv. pp. 213-234. 1897.
- MANSEL-PLEYDELL, J. C. Anniversary Address of the President, 1894. [Man, Mentone.] *Proc. Dorset Nat. Hist. & Antiq. F. C.* xv. pp. lxi-lxx. 1894.
- 2. Kimmeridge Shale. *Ibid.* pp. 172-183, fig., 1 pl. 1894.
- 3. Anniversary Address of the President, 1895. [Blashenwell; Dinosaurian Footprints.] *Ibid.* xvi. pp. liii-lxvi. 1895.
- 4. Plateau and Valley Gravels, Sarsen Stones at Little Bredy and elsewhere in the County. *Ibid.* pp. 75-80. 1895. A.C.
- 5. On the Castoridae, with special reference to *Castor fiber*, whose subfossilized Remains were found in the Valley of the Stour near Keynston Mill. *Ibid.* pp. 163-170. 1895.
- 6. Anniversary Address of the President, 1896. [Cycad, *Ichthyosaurus*, *Plesiosaurus*, Cretaceous Rocks, Oolitic Fishes.] *Ibid.* xvii. pp. lv-lxxii. 1897.
- 7. On the Footprints of a Dinosaur (*Iguanodon?*) from the Purbeck Beds of Swanage. *Ibid.* pp. 115-122, 2 pls. 1897.
- *MARCOU, J. Rules and Misrules in Stratigraphic Classification, I. *Am. Geol.* xix. pp. 35-49, 111-131. 1897. And A.C.
- 2. Jura and Neocomian of Arkansas, Kansas, Oklahoma, New Mexico, and Texas. *Am. Journ. Sci.* ser. 4, iv. pp. 197-212. 1897.
- 3. The Jura of Texas. *Proc. Boston Soc. Nat. Hist.* xxvii. pp. 149-158. 1896.

- MARCOU, J. 4. The Jurassic Wealden (Tithonian) of England. *Science*, n. s. v. pp. 149-152. 1897. A.C.
- See HILL, R. T.
- MARGERIE, E. DE. Congrès géologique international. Catalogue des Bibliographies géologiques. Pp. i-xx, 1-734. 8vo. Paris, 1896.
- See SUSS, E.
- MARINITSCH, J. Les Absorptions de la Recca à Saint Canzia (Istrie). *Spelunca*, iii. pp. 37-43, figs. 1897.
- MARKHAM, C. A. The Great English Earthquake. *Journ. Northants Nat. Hist. Soc.* 1896, pp. 151-155. 1896.
- MARKHAM, SIR C. R. Discovery by Baron Nordenskjöld that Fresh Water will be found by boring through Hard Crystalline Rock for 30 to 35 metres. *Geogr. Journ.* x. pp. 465-469, figs. 1897.
- MAROCCHI, E. Studio sul Granito di Gavorrano. *Atti Soc. tosc. Sci.* xv. Mem. pp. 170-188, pl. iv. 1897.
- MARR, J. E. British Association for the Advancement of Science. Address to the Geological Section. *Rep. Brit. Assoc.* 1896, lxvi. pp. 762-775. 1896.
- *— 2. The Origin of Lakes. *Sci. Progr.* n. s. i. pp. 218-228. 1897.
- MARSH, C. W. Notes on some Broken Hill and other Barrier Minerals. *Trans. Aust. Inst. M. E.* iv. pp. 138-159, figs. 1897.
- MARSH, O. C. The Reptilia of the *Baptanodon*-Beds. *Am. Journ. Sci.* ser. 3, 1. pp. 405-406, figs. 1895. A.C.
- 2. The Dinosaurs of North America. *Ann. Rep. U.S. Geol. Surv.* 1894-95, pt. i. pp. 133-244, figs., pls. ii-lxxxv. 1896. And A.C.
- 3. The Age of the Wealden. *Am. Journ. Sci.* ser. 4, i. p. 234. 1896. A.C.
- 4. Amphibian Footprints from the Devonian. *Ibid.* ii. pp. 374-375, fig. 1896. A.C.
- 5. The *Stylinodontia*, a Suborder of Eocene Edentates. *Ibid.* iii. pp. 137-146, figs. 1897. And A.C.
- 6. The Affinities of *Hesperornis*. *Ibid.* pp. 347-348. 1897. And A.C.
- 7. Principal Characters of the Protoceratidae, I. *Ibid.* iv. pp. 165-176, figs., pls. ii-vii. 1897. And A.C.
- 8. Recent Observations on European Dinosaurs. *Ibid.* pp. 413-416. 1897.
- 9. The Skull of *Protoceras*. *Geol. Mag.* dec. 4, iv. pp. 433-439, figs., pl. xix. 1897.
- *MARTEL, E. A. Sous Terre (Marble Arch, Irlande; Gaping Ghyll, Angleterre). *Ann. Club alpin français*, 1895, xxii. pp. 171-209, figs., 1 pl. 1896.
- 2. Explorations souterraines en France, Belgique, Autriche, Grèce, Angleterre et Irlande, de 1888 à 1895. *C. R. Soc. géol. France*, 1896, pp. xxxv-xxxviii. 1896.
- 3. Irlande et Cavernes Anglaises. Pp. 1-403, figs., pls. i-iii. [Maps.] 8vo. Paris, 1897.
- 4. Sur la Foiba de Pisino (Istrie). *C. R. Acad. Sci. Paris*, cxxiii. pp. 1333-1335. 1897.
- 5. Sur l'Hydrographie souterraine et les Chouruns du Dévoluy (Hautes-Alpes). *Ibid.* cxxiv. pp. 1170-1173. 1897.
- 6. Sur la Cueva del Drach (Grotto du Dragon) dans l'Île Majorque. *Ibid.* pp. 1385-1388. 1897.
- 7. Sur la Contamination de la Source de Sauve (Gard). *Ibid.* cxxv. pp. 897-900. 1897.
- 8. British Caves and Speleology. *Geogr. Journ.* x. pp. 500-511, figs. 1897.
- , & G. RAMOND. Note sur la Cloche gypseuse de Taverny. *Feuille Jeunes Nat. Paris*, 1893 (2 pp.), figs. 1893.
- , & A. DELEBECQUE. Sur les Scialets et l'Hydrologie souterraine du Vercors (Drôme). *C. R. Acad. Sci. Paris*, cxxiii. pp. 847-850. 1896. A.C.
- MARTIN, E. A. Foreign Boulders in the Chalk. *Geol. Mag.* dec. 4, iv. pp. 169-170. 1897.
- MARTIN, J. S. See ATKINSON, J. B., &c.
- *MARTIN, K. Reisen in den Molukken, in Ambon, den Uliassern, Seran (Ceram) und Buru. Geologischer Theil. 1ste Lief. Ambon und die Uliasser; pp. i-vi, 1-98, figs., pls. i-v. & 2 maps. 8vo. Leiden, 1897.
- 2. Die Fossilien von Java auf Grund einer Sammlung von Dr. R. D. M. Verbeek. *Jaarb. Mijnw. Ned. O.-Ind.* 1896, xxv. pp. 201-329, pls. i-xx. 1897.
- MARTY, P. See GABELLI, L.
- MASS, G. Bericht über die Aufnahme-Arbeiten auf Blatt Sady. *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi. pp. cv-cxi. 1896.

- MATTEUCCI, R. V. Le Rocce porfiriche dell' Isola d'Elba. *Boll. Soc. geol. ital.* xvi. pp. 97-121, pls. iv. & v. 1897.
- MATTHEW, G. F. Some Features of the Early Cambrian Faunas. *Rep. Brit. Assoc.* 1896, lxvi. pp. 785-787. 1896.
- 2. On the Occurrence of Cirripedes in the Cambrian Rocks of North America. *Trans. N.Y. Acad. Sci.* xv. pp. 144-146, figs. 1896.
- 3. Faunas of the *Paradoxides*-Beds in Eastern North America. *Ibid.* pp. 192-248, figs., pls. xv-xvii. 1896.
- *— 4. What is the *Olenellus*-Fauna? *Am. Geol.* xix. pp. 396-407. 1897.
- 5. A Review of the Scientific Work of Abraham Gesner. *Bull. Nat. Hist. Soc. New Brunswick*, xv. pp. 3-48, maps. 1897.
- 6. Description of an Extinct Palæozoic Insect, and a Review of the Fauna with which it occurs. *Ibid.* pp. 49-60, pls. i. & ii. 1897.
- 7. The *Protolenus*-Fauna. *Bull. Soc. Linn. Norm.* ser. 4, x. pp. xxxix-xlii. 1896.
- 8. The Oldest *Siphonotreta*. *Geol. Mag.* dec. 4, iv. pp. 68-70, figs. 1897.
- MATTHEW, W. D. Notes on Intrusive Rocks near St. John, N.B., Canada. *Bull. Nat. Hist. Soc. New Brunswick*, xv. pp. 61-64. 1897.
- MATSSON, G. Beskrifning öfver Skärningar vid Keuru-Jyväskylä Järnvägsline. *Meddel. Industristyr. Finland*, xxv. pp. 123-134, figs. 1896.
- MAUNSELL, F. R. The Mesopotamian Petroleum-Field. *Geogr. Journ.* ix. pp. 528-536. 1897.
- MAXWELL, C. F. On Alterations in the Coast-Line of the North Island of New Zealand. *Trans. N.Z. Inst.* xxix. pp. 564-567. 1897.
- MAYER-EYMAR, C. Révision du Groupe du *Clypeaster altus*. *Eclogæ Geol. Helv.* v. pp. 47-52. 1897.
- *— 2. Description de Coquilles fossiles des Terrains tertiaires inférieurs. *Journ. de Conch. Paris*, xlv. pp. 356-366, pls. ix. & x. 1897.
- *— 3. Description d'un Sous-genre nouveau du Genre *Cardita* [*Cossmannella*]. *Ibid.* pp. 366-368, pl. x. 1897.
- *— 4. Description de Coquilles fossiles des Terrains tertiaires supérieurs. *Ibid.* xlv. pp. 136-149, pls. iv-v. 1897.
- MEACHEM, F. G. On Irruptions of Coal into the 'Thick Coal' Workings at Hamstead Colliery, South Staffordshire. *Trans. Manch. Geol. Soc.* xxv. pp. 83-88, pls. iii. & iv. 1897.
- MEISTER, J. See NÜßSCH, J., &c.
- MELCZER, G. Baryt von Dobsina. *Földt. Közl.* xxvi. pp. 321-324 & 357-360. 1896.
- MELI, R. Breve relazione delle Escursioni geologiche eseguite all' Isola del Giglio (Toscana) ed al nuovo Lago di Leprignano (Roma). *Ann. R. Scuola Appl. Ing. Roma*, 1896-97 (19 pp.), 1 pl. 1896. A.C.
- 2. Alcune Notizie di Geologia riguardanti la Provincia di Roma. *Boll. Soc. geol. ital.* xv. pp. 281-287. 1896. And A.C.
- 3. Pirite e Pirrotina riscontrati come Minerali accessori nel Granito tormalinifero dell' Isola del Giglio. *Ibid.* pp. 287-290. 1896. And A.C.
- 4. Notizie sopra alcuni Resti di Mammiferi quaternarii (Ossa e Denti isolati) rinvenuti nei Dintorni di Roma. *Ibid.* pp. 291-296. 1896. And A.C.
- 5. Sopra alcuni Denti fossili di Mammiferi (Ungulata) rinvenuti nelle Ghiaie alluvionali dei Dintorni di Roma. *Ibid.* xvi. pp. 187-194. 1897. And A.C.
- 6. Sulla *Eastonia rugosa* Chem. (*Macira*) ritrovata vivente e fossile nel Littorale di Anzio e Nettuno (Provincia di Roma). Pp. 45-73. $\frac{1}{2}$ pl. Svo. Modena, 1897. A.C.
- 7. Sul *Typhis* (*Typhinellus*) *tetrapterus* Bronn (*Murex*) rinvenuto nelle Sabbie grigie del Pliocene superiore della Farnesina (Gruppo del M. Mario) presso Roma. Pp. 74-97, $\frac{1}{2}$ pl. Svo. Modena, 1897. A.C.
- *— 8. Sull' Opale nobile della Tolfa. *Riv. Min. e Crist. ital. Padova*, xvii. pp. 64-65. 1897.
- MENZEL, P. Beitrag zur Kenntniss der Tertiärflora des Jesuitengraben bei Kundratitz. *Sitz. u. Abh. nat. Gesellsch. 'Isis'*, 1897, *Abh.* pp. 1-18, pl. i. 1897.
- MERCER, H. C. The Finding of the Remains of the Fossil Sloth at Big Bone Cave, Tennessee. *Proc. Am. Phil. Soc.* xxxvi. pp. 36-70, figs. 1897.
- MERCERAT, A. Essai de Classification des Terrains sédimentaires du versant oriental de la Patagonie australe. *An. Mus. Nac. Buenos Aires*, v. pp. 105-130. 1897.
- 2. Coupes géologiques de la Patagonie australe. *Ibid.* pp. 309-319, pls. v-xiii. [Map, $\frac{1}{1,000,000}$]. 1897.
- 3. Note sur les Oiseaux fossiles de la République Argentine. *An. Soc. cient. Argent.* xliii. pp. 222-240. 1897.

- MERCEY, N. DE. Sur les Caractères identiques du Phosphate riche dans les Bassins de Paris et de Londres et sur l'Âge tertiaire de ce Dépôt. *C. R. Acad. Sci. Paris*, cxliii. pp. 1329-1330. 1897.
- MERKEL, O., & K. FRITSCH. Der unteroligocène Meeressand in Kluffen des Bernburger Muschelkalkes. *Zeitschr. f. Naturw. Leipzig*, lxx. pp. 61-78. 1897.
- MERRIAM, J. C. Note on two Tertiary Faunas from the Rocks of the Southern Coast of Vancouver Island. *Bull. Geol. Univ. Cal.* ii. pp. 101-108. 1896.
- MERRILL, F. J. H. Mineral Resources of New York State. *Ann. Rep. N.Y. State Mus.* 1894, xlviii. *Mus. Bull.* pp. 359-595. Maps, 1 inch = 14 miles, 1 inch = 4 miles. 1895.
- 2. Notes on the Geology of Block Island. *Trans. N.Y. Acad. Sci.* xv. pp. 16-19, fig. 1896.
- , & J. F. KEMP. The Geology of Moriah and Westport Townships, Essex County (N.Y.). *Ann. Rep. N.Y. State Mus.* 1894, xlviii. *Mus. Bull.* pp. 323-355. [Map, 1 inch = 1 mile.] 1895.
- , & H. RIES. Clay Industries of New York. *Ann. Rep. N.Y. State Mus.* 1894, xlviii. *Mus. Bull.* pp. 93-262, figs. & map, 1 inch = 14 miles. 1895.
- MERRILL, G. P. Weathering of Micaceous Gneiss in Albemarle County (Va.). [Zeolites.] *Bull. Geol. Soc. Am.* viii. pp. 157-168. 1897. And A.C.
- MERRITT, W. H. The Occurrence of Gold Ores in the Rainy River District, Ontario, Canada. *Trans. Am. Inst. M.E.* xxvi. pp. 853-863, figs. 1897.
- 2. Occurrence of Cinnabar in British Columbia. *Trans. Fed. Inst. M.E.* xiii. pp. 592-594, figs. 1897.
- *MEUNIER, F. Observations sur quelques Insectes du Corallien de la Bavière. *Riv. ital. Paleont., Parma*, iii. pp. 18-23, fig. 1897.
- MEUNIER, S. Notice sur les Travaux scientifiques de. 4to. Lille, 1890. A.C.
- 2. Étude minéralogique du Fer météorique de Deesa. *Cosmos, Paris*, 1869, (1). 1869. A.C.
- 3. De l'Origine de l'Acide carbonique atmosphérique. *Ann. agron. Paris*, v. p. 204. 1879. A.C.
- 4. Périodot artificiel produit en présence de la Vapeur d'Eau à la pression ordinaire. *C. R. Acad. Sci. Paris*, xciii. p. 737. 1881. A.C.
- 5. Sur la Théorie des Tremblements de Terre. *Ibid.* cii. p. 934. 1886. A.C.
- 6. Premiers Résultats d'une Exploration de la Zone ébranlée par le Tremblement de Terre du 23 février. *Ibid.* civ. p. 759. 1887. A.C.
- 7. Reproduction artificielle du Spinelle rose ou Rubis balais. *Ibid.* p. 1111. 1887. A.C.
- 8. L'Évolution sidérale. *Ibid.* cv. pp. 1038-1039. 1887. A.C.
- 9. Sur les Rapports mutuels des Météorites et des Etoiles filantes. *Ibid.* cvii. pp. 834-836. 1888. A.C.
- 10. Nouveau Procédé de Reproduction artificielle du Platine ferrique magnétopolaire. *Ibid.* cx. pp. 254-256. 1890. A.C.
- 11. Contribution à l'Histoire du Fer chromé. *Ibid.* cx. pp. 424-426. 1890. A.C.
- 12. Reproduction artificielle de la Daubrélite. *Ibid.* cxii. pp. 818-820. 1891. A.C.
- 13 & 14. Cause possible de la Gémination des Canaux de Mars; Imitation expérimentale du Phénomène. *Ibid.* cxv. pp. 678-681. 1892. A.C. *La Nature, Paris*, xxi. pp. 17-19, figs. 1892. A.C.
- 15. Examen minéralogique et lithologique de la Météorite de Kiowa (Kansas). *C. R. Acad. Sci. Paris*, cxvi. pp. 447-450. 1893. A.C.
- 16. Essai d'application de la Méthode expérimentale à l'Histoire orogénique de l'Europe. *Ibid.* cxxi. pp. 657-659. 1895. A.C.
- 17. Notice historique sur la Collection de Météorites du Muséum d'Histoire naturelle. Pp. 1-52, pls. i-ii. 8vo. Brussels, 1893. A.C.
- 18. Coup-d'œil sur l'Histoire géologique des Météorites. *Bull. Soc. belge Géol. Brux.* ii. pp. 492-496. 1889. A.C.
- 19. Mémoire sur la Géologie des Météorites. *Bull. Soc. géol. France*, ser. 3, xiv. p. 68. 1886. A.C.
- 20. Examen d'une Substance résineuse recueillie à Luchon le 28 juillet 1885 à la suite d'un Coup de Foudre. *Ibid.* xv. p. 23. 1887. A.C.
- 21. Contribution à la Géologie de l'Afrique occidentale. *Ibid.* xvi. pp. 61-63, 1 pl. 1888. A.C.
- 22. Le Tremblement de Terre du 23 février, 1887. *Bull. Soc. belge Géol. Brux.* i. pp. 14-19. 1887. A.C.
- 23. Recherches sur l'Origine et le Mode de Formation de la Bauxite, du Fer en Grains et du Gypse. *Ibid.* ii. pp. 5-6. 1887. A.C.

- MEUNIER, S. 24. Sur la Théorie des Météorites. *Ibid.* ii. pp. 290-294. 1888. A.C.
- 25. Sources minérales de l'Australasie (Minerais d'Étain de Formation actuelle). *Ibid.* v. *Proc.-verb.* pp. 8-11. 1891. A.C.
- 26. Essais de Reproduction artificielle de quelques Aluminates. *Bull. Soc. franç. Min., Paris*, x. pp. 190-198. 1887. A.C.
- 27. Sur la Matière noire de la Chantonnite. *Ibid.* xii. pp. 76-81. 1889.
- 28. Notice sur les Météorites chiliennes conservées au Muséum d'Histoire naturelle de Paris. *Actes Soc. sci. Chili*, iii. pp. 206-264, pls. iv & v. 1894. A.C.
- 29. Sur la Constitution et sur l'Origine de la Météorite de Jelica. *Ann. géol. Penins. balk. Belgrade*, iv. pt. 2, pp. 4-21, pls. iii-v. 1893. A.C.
- 30. Examen minéralogique de deux Météorites bourguignonnes : Luponas (Ain), 8 sept. 1753, et les Ormes (Yonne), 4 octobre 1857. *Bull. Soc. Hist. nat. Autun*, v. (pp. 1-30), pls. xiii & xiv. 1892. A.C.
- 31. Recherches minéralogiques sur les Gisements diamantifères de l'Afrique australe. *Ibid.* vi. 48 pp., pls. i & ii. 1893. A.C.
- 32. Révision des Fers météoriques de la Collection du Muséum d'Histoire naturelle de Paris. *Ibid.* 81 pp. 1893. A.C.
- 33. Sur un Procédé naturel qui permet aux Eaux superficielles de pénétrer dans les Régions chaudes des Profondeurs terrestres. *Bull. Soc. Imp. Nat.-Moscou*, 1889, n. s. iii. pp. 161-166. 1889. A.C.
- 34. Recherches expérimentales sur quelques Phénomènes dont les Produits peuvent être confondus avec ceux que détermine l'Action glaciaire. *Congrès géol. internat.* 1894, vi. pp. 216-237, figs. 1897.
- 35. Étude critique sur l'Extension des anciens Glaciers dans l'Europe occidentale. *Bull. Soc. belge Géol. Brux.* ix. *Mém.* pp. 24-32, pl. i. 1895. A.C.
- 36. La Géologie et les Voyageurs naturalistes. *Rev. géogr. intern. Paris*, 1896 (21 pp.). 1896. A.C.
- 37. A propos du récent Bolide de Madrid. *Rev. Sci. Paris*, ser. 4, v. pp. 577-588, figs. 1896. A.C.
- 38. Observations sur quelques Roches asphaltiques et sur l'Origine de l'Asphalte. *C. R. Acad. Sci. Paris*, cxxiii. pp. 1327-1329. 1897.
- 39. Sur l'Époque de Formation des Sables phosphatés à la Surface de la Craie brune. *Ibid.* cxxiv. pp. 54-55. 1897.
- 40. Sur l'Allure générale de la Dénudation glaciaire. *Ibid.* pp. 1043-1044. 1897.
- 41. Observation sur une Météorite française dont la Chute, survenue à Clohars en 1822, est restée inaperçue. *Ibid.* pp. 1543-1544. 1897.
- 42. Sur quelques Circonstances particulières qui paraissent avoir accompagné la Chute d'une Météorite le 9 Avril 1891 à Indarek, en Transcaucasie. *Ibid.* cxxv. pp. 894-897. 1897.
- 43. L'Œuvre scientifique de M. A. Daubrée. *Nouv. Arch. Mus. Hist. nat. Paris*, ser. 3, viii. pp. i-xli. 1897.
- 44. L'Histoire des Chaînes de Montagnes. *Rev. Sci. Paris*, ser. 4, vii. pp. 265-269. 1897. A.C.
- See LEVALLOIS, A.
- MEYERHOFFER, W. See VAN 'T HOFF, J. H.
- MICHAEL, R. Bericht über die Aufnahmearbeiten auf Blatt Passow und Blatt Angermünde. *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi. pp. xc-v-cxix. 1896.
- MICHEL-LÉVY, A. Sur le Porphyre bleu de l'Esterel. *C. R. Soc. géol. France*, 1896, pp. xlvii-xlix. 1896; & *Bull. Serv. Carte géol. France*, ix. no. 57, pp. 1-47, figs., pls. i-viii. [Map.] 1897.
- 2. Principes à suivre pour une Classification universelle des Roches. *Congrès géol. internat.* 1894, vi. pp. 145-160. 1897.
- *— (Directeur) 3. Services de la Carte géologique de la France et des Topographies souterraines. Carte géologique détaillée de la France, $\frac{1}{80,000}$.
- 31, Rouen, par G. DOLLFUS & A. de LAPPARENT. 2nd ed. 1897.
- 59, St. Brieuc, par C. BARROIS. 1896.
- 71, Strasbourg, par C. VÉLAIN. 1897.
- 104, St. Nazaire, par C. BARROIS. 1897.
- 173, Tulle, par G. MOURET. 1897.
- 211, Le Buis, par W. KILIAN. 1896.
- 231, Castres, par G. VASSEUR, — RÉPELIN, — BLAYAC, & J. BERGERON. 1897. (With 'Notice explicative' to each.)

- MICKWITZ, A. Ueber die Brachiopoden-Gattung *Obolus*, Eichwald. *Mém. Acad. Imp. Sci. St. Pétersb.* ser. 8, iv. no. 2, pp. 1-216, pls. i-iii. 1896.
- MIDDLEMISS, C. S. The Geology of Hazara and the Black Mountain. *Mem. Geol. Surv. India*, xxvi. pp. 1-302, figs., pls. i-xi, & map, $\frac{1}{2}$ inch = 1 mile. 1896.
- 2. Report on some trial Excavations for Corundum near Palakod, Salem District. *Rec. Geol. Surv. India*, xxx. pp. 118-122, pl. xiii. [Map, 1 inch = 4 miles.] 1897.
- MIDDLETON, J. See DAY, D. T., &c.
- MIEG, M. See BLEICHER, —.
- MIKLUCHA-MAKLAY, M. N. Geologische Skizze des Kreises Olonetz und der Inseln des Ladoga-Sees in der Umgebung von Walaamo. *Matér. Géol. Russ.* xviii. pp. 171-264. [Map, $\frac{1}{400,000}$.] 1897.
- MILLER, H. See WOODWARD, H. B.
- MILLER, S. A., & W. F. E. GURLEY. New Species of Crinoids, Cephalopods, and other Palæozoic Fossils. *Bull. Ill. State Mus. Nat. Hist.* no. 12, pp. 1-69, pls. i-v. 1897.
- MILLETI, F. W. The Foraminifera of the Pliocene Beds of St. Erth in relation to those of other Deposits. *Trans. R. Geol. Soc. Cornwall*, xii. pp. 43-46. 1897.
- MILNE, J. Notes on Instruments which will record Earthquakes of Feeble Intensity. *Rep. Brit. Assoc.* 1896, lxvi. pp. 181-184. 1896.
- 2. Observations with Milne's Pendulums *T* and *U* in the Isle of Wight, 1895-96. *Ibid.* pp. 184-214, figs. 1896.
- 3. Changes in the Vertical observed in Tokio, September 1894 to March 1896. *Ibid.* pp. 215-216. 1896.
- 4. The Perry Tromometer. *Ibid.* pp. 219-220. 1896.
- 5. Notes on Special Earthquakes. *Ibid.* pp. 229-241, figs. 1896.
- 6. Sub-Oceanic Changes. *Geogr. Journ.* x. pp. 129-146, 259-285, figs. 1897.
- MITCHELL, J. See ETHERIDGE, R., JUN.
- MITTON, A. D. An Underground Fire at Bridgewater Colliery. *Trans. Fed. Inst. M. E.* xiii. pp. 466-475, pl. xxii. 1897.
- MÖBERG, J. C. Berättelse om Fortgången af Finlands geologiska Undersökning. År 1892, jemte Förslag till Arbetsfält och Stat for År 1893. *Meddel. Industristyr. Finland*, xxv. pp. 35-59. 1896.
- MODERNI, P. Il nuovo Lago e gli Avvallamenti di Suolo nei Dintorni di Lepignano (Roma). *Boll. R. Com. geol. Ital.* xxvii. pp. 46-57. 1897.
- 2. Le Bocche eruttive dei Vulcani Sabatini. *Ibid.* xxvii. pp. 57-112, 129-160, pl. ii. [Map, $\frac{1}{100,000}$.] 1897.
- MÖRNICKE, W. Geologisch-petrographische Studien in den chilenischen Anden. *Sitz. k.-preuss. Akad. Wissensch. Berlin*, 1896, pp. 1161-1171. 1896.
- 2. Die Beziehungen der chilenischen Erze zu den sie begleitenden Eruptionsgesteinen. *Verh. deutsch. wissenschaft. Ver. Santiago*, iii. pp. 351-353. 1896.
- *— 3. Die Crustaceen der Stramberger Schichten. *Palæontographica*, Supp. ii. nos. 6-8, pp. 41-72, pl. vi. 1897.
- 4. Zur Genesis des Goldes. *Zeitschr. f. prakt. Geol.* 1897, p. 347. 1897.
- MOJSISOVICS, E. VON. Beiträge zur Kenntniss der obertriadischen Cephalopodenfauna des Himalaya. *Denkschr. k. Akad. Wissensch. Wien*, lxiii. pp. 575-701, figs., pls. i-xxii. 1896.
- 2. Ueber den chronologischen Umfang des Dachsteinkalkes. *Sitz. k. Akad. Wissensch. Wien*, cv. Abth. I. pp. 5-40. 1896.
- 3. Mittheilungen der Erdbeben-Commission der kaiserlichen Akademie der Wissenschaften in Wien. I. Berichte über die Organisation der Erdbeben-Beobachtung, nebst Mittheilungen über während des Jahres 1896 erfolgte Erdbeben. *Ibid.* cvi. Abth. I. pp. 20-45. 1897. A.C.
- 4. Die Cephalopodenfauna der oberen Trias des Himalaya, nebst Bemerkungen über die Meere der Triasperiode. *Verh. k.-k. geol. Reichsanst.* 1896, pp. 346-373. 1896.
- 5. Erdbeben in Steiermark während des Jahres 1896. *Mitth. nat. Ver. Steiermark*, 1896, pp. 160-165. 1897.
- MONCKTON, H. W. Excursion to Erith and Crayford. *Proc. Geol. Assoc.* xv. pp. 110-113, figs. 1897.
- 2. The Stirling District. *Ibid.* xv. pp. 152-156, figs. [Map, Sauchieburn, 3 inches = 1 mile.] 1897.
- MOND, L. See BEDSON, P. P., &c.
- MONKOWSKI, T. Zur Geologie von Kriwoi Rog. *Zeitschr. f. prakt. Geol.* 1897, pp. 374-378, figs. 1897.

- MOOR, C. W. Some Observations on the Geology of the Sabie Valley. *Trans. Geol. Soc. S. A.* ii. pp. 131-140, pls. [Map, 1 ft. = 30 miles.] 1897.
- MOORE, J. E. S. The Physiographical Features of the Nyasa and Tanganyika Districts of Central Africa. *Geogr. Journ.* x. pp. 289-300, figs. 1897.
- MORENA, T. Il Sinemuriano negli Strati a *Terebratula Aspasia*, Meneghini. *Boll. Soc. geol. Ital.* xvi. pp. 183-186. 1897.
- MORRIS, C. The Primeval Ocean. *Proc. Acad. Sci. Philad.* 1897, pp. 12-17. 1897.
- MORTILLET, G. DE. Sur la Terrasse de 10-12 m. de Villefranche-sur-Saône. *C. R. Soc. géol. France*, 1896, pp. vi-vii. 1896.
- MORTON, F. S. The Foraminifera of the Marine Clays of Maine. *Proc. Portland Soc. Nat. Hist.* ii. pp. 105-122, pl. i. 1897.
- MORTON, G. H. Recent Borings in the Red Marl, near Liverpool. *Rep. Brit. Assoc.* 1896, lxvi. pp. 780-782. 1896.
- 2. Erosion of the Sea Coast of Wirral. *Ibid.* lxvi. pp. 781-782. 1896.
- 3. The Range of Species in the Carboniferous Limestone of North Wales. *Ibid.* lxvi. pp. 787-788. 1896.
- 4. —. *Geol. Mag.* dec. 4, iv. pp. 132-134. 1897.
- 5. The Carboniferous Limestones of the Vale of Clwyd. *Proc. Liverp. Geol. Soc.* viii. pp. 32 & 65, pls. i & ii. 1897.
- . See HERDMAN, W. A., &c.
- MOURET, G. Feuille de Brive, Tulle et Périgueux. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 61-63. 1897.
- . See MICHEL-LÉVY, A., &c.
- MOURLON, M. Compte-rendu de l'Excursion du Dimanche 4 Septembre 1892, dans le Famennien type de la Vallée de l'Ourthe. *Ann. Soc. géol. Belg.* xxii. pp. xc-cvii. 1897. A.C.
- 2. Sur la Non-existence des Dépôts de l'Éocène supérieur asschien, en dehors des Environs de Bruxelles, dans la Région comprise entre la Senne et la Dyle. *Ibid.* pp. li-liv. 1895. A.C.
- 3. Observations à propos du Gîte fossilifère découvert par M. VELGE dans l'Argile de la Bruyère de Haut-Ittre. *Ibid. Mém.* pp. 225-230. 1895. A.C.
- 4. Sur l'Âge des Sables, qui entre Aerschot et Watervliet, au Nord d'Eecloo, séparent l'Argile de Boom (Oligocène moyen) de l'Argile sous-jacente à ces Sables. *Ibid.* pp. 237-256. 1895. A.C.
- 5. Compte-rendu de l'Excursion du Lundi 24 Septembre 1894 aux Massifs tertiaires entre Waterloo et Ottignies. *Mém. Soc. R. malacol. Belg.* xxx. pp. 21-28. 1895. A.C.
- 6. Compte-rendu de l'Excursion du Mardi 25 Septembre 1894 aux Collines tertiaires du Sud-est de Louvain. *Ibid.* pp. 29-32. 1895. A.C.
- 7. Sur une nouvelle Interprétation des Dépôts rapportés par Dumont à son Système laekienien dans la Région comprise entre Waterloo et Ottignies. *Procès-verb. Soc. R. malacol. Belg.* xxiv. pp. xxxiv-xxxvii. 1895. A.C.
- 8. Sur la Nécessité de maintenir les Étages asschien et wemmélien de l'Éocène supérieur. *Ibid.* pp. xxxviii-xliv. 1895. A.C.
- 9. Les Mers quaternaires en Belgique, d'après l'Étude stratigraphique des Dépôts flamandien et campiniens et de leurs Relations avec les Couches tertiaires pliocènes. *Bull. Acad. Roy. Belg.* ser. 3, xxxii. pp. 671-711. 1896. And A.C.
- 10. La Faune marine du Quaternaire moséen révélée par les Sondages de Strybeek (Meerle) et de Wortel, près de Hoogstraeten, en Campine. *Ibid.* xxxiii. pp. 776-782. 1897. And A.C.
- 11. L'Avenir de la Géologie en Belgique. *Ann. Mines Belg.* ii. (8 pp.). 1897. A.C.
- 12. Notice bibliographique. *Bibliogr. Acad. Sci. Bruxelles*, 1896, pp. 1-5. 1896. A.C.
- , &c. Légende de la Carte géologique de la Belgique à l'Échelle du 40,000, dressée par ordre du Gouvernement. Pp. 1-23. 8vo. Brussels, 1896. A.C.
- MUDGE, E. H. Some Features of Pre-Glacial Drainage in Michigan. *Am. Journ. Sci.* ser. 4, iv. pp. 383-386, fig. 1897.
- *MUFF, H., & T. SHEPPARD. Notes on the Glacial Geology of Robin Hood's Bay, Yorkshire. *Glac. Mag.* iv. pp. 47-60. 1896.
- MÜGGE, O. Ueber die Lenneporphyre. *Congrès géol. internat.* 1894, vi. pp. 361-371. 1897.
- 2. Mineralogische Notizen. II. [Leucopyrite, Pyrrhotite, Arsenical & Magnetic Pyrites, Copper Pyrites & Polybasite, Calcespar & Soda Nitre, Cerussite, Rutile, Crystal Twinning.] *N. J. f. Min.* 1897, ii. pp. 67-85, figs. 1897.
- MÜHLBERG, F. Bericht über die Excursion V. im östlichen Jura und im aargauischen Quartär. *Congrès géol. internat.* 1894, vi. pp. 406-420. 1897.

- MULDER, J. F. See DENNANT, J.
- MÜLLER, G. Bericht über seine Aufnahmen im Jahre 1895 auf Blatt Gr. Bartelsdorf. *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi. pp. cxiii-cxvi. 1896.
- 2. Das Diluvium im Bereich des Kanals von Dortmund nach den Emshäfen. *Ibid.* xvi. *Abh. Mitarb.* pp. 40-59, pl. v. 1896.
- 3. Die Untere Kreide im Emsbett nördlich Rheine. *Ibid.* pp. 60-71, fig. 1896.
- 4. Beitrag zur Kenntniss der Unteren Kreide im Herzogthum Braunschweig. *Ibid.* pp. 95-110. 1896.
- 5. Ueber Furchensteine aus Masuren. *Zeitschr. deutsch. geol. Gesellsch.* xlix. *Protok.* pp. 27-30, figs. 1897.
- MUNCK, E. DE. Sur les récents Tremblements de Terre ressentis dans le Hainaut. *Bull. Soc. belge Géol. Brux.* 1895, ix. *Proc.-verb.* pp. 63-65. 1896.
- MUNIER-CHALMAS, —. Sur les Terrains tertiaires qui bordent le Plateau central entre Tournon et La Voulte. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 653-655. 1896; & *C. R. Soc. géol. France*, 1896, pp. clxxxvii-cxc. 1896.
- 2. Note préliminaire sur les Terrains tertiaires de la Forêt d'Eu. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 887-888. 1897; & *C. R. Soc. géol. France*, 1896, pp. cclxxx-cclxxxi. 1896.
- MUNRO, D. W. Report on Prospecting Work done on the Northern Beaches. *Ann. Rep. Dep. Mines, N. S. W.* 1896, p. 155, 2 pls. 1897.
- MUNRO, R. On Intermediary Links between Man and the Lower Animals. *Proc. Roy. Soc. Edinb.* xxi. pp. 249-250. 1897.
- 2. Prehistoric Problems, being a Selection of Essays on the Evolution of Man and other Controverted Problems in Anthropology and Archaeology. Pp. i-xx, 1-371, figs., pls. i-viii. 8vo. Edinburgh, &c. 1897.
- MUNTHE, H. Studien über ältere Quartärablagerungen im südbaltischen Gebiete. *Bull. Geol. Inst. Univ. Upsala*, iii. pp. 27-114, fig. 1897. And A.C.
- 2. Svar till V. Madsen. [Quaternary.] *Geol. Fören. Stockh. Förh.* xix. pp. 113-116. 1897.
- 3. Om de s. k. 'glaciala Sötvattens-bildningarnas' i Klågerupstrakten Ålder och Bildningssätt. *Ibid.* pp. 120-136. 1897.
- *MURRAY, G. The Natural History of the Sea. *Sci. Progr.* n. s. i. pp. 379-396. 1897.
- MURRAY, J. Balfour Shoal: a Submarine Elevation in the Coral Sea. *Scot. Geogr. Mag.* xiii. pp. 120-134, pl. i. [Map.] 1897.
- MUSHKETOV, J. W. Geologische Skizze des Glacial-Gebiets der Teberda und der Tschchalta im Kaukasus. *Mém. Com. géol. Russie*, xiv. no. 4, pp. 1-68, figs., 2 pls. [Map, 1 inch = 2 versts.] 1896.
- 2. Allgemeine geologische Karte von Russland. Blatt 114. Geologische Untersuchungen in der Kirgisen-Steppe im Jahre 1894. *Ibid.* no. 5, pp. 1-27, 1896, & map, $\frac{1}{200,000}$. 1896.
- MUSY, M. Compte-rendu de l'Excursion II. dans le Jura central. *Congrès géol. internat.* 1894, vi. pp. 397-399. 1897.
- MUTHMANN, W., & E. SCHRÖDER. Ueber die Zusammensetzung einiger Tellur-mineralien. [Grünlingit.] *Zeitschr. f. Kryst.* xxix. pp. 140-145. 1897.
- MYRES, J. L. See PATON, W. R.
- NAKASHIMA, K. See KOCHIBE, T., &c.
- NANSEN, F. Some Results of the Norwegian Arctic Expedition, 1893-96. *Geogr. Journ.* ix. pp. 473-555, figs. Maps. 1897; & *Scot. Geogr. Mag.* xiii. pp. 225-246. [Map, $\frac{1}{15,000,000}$.] 1897.
- NARES, SIR G. S. Report on the Present State of the Navigation of the River Mersey (1896) to the Right Honourable the Commissioners for the Conservancy of the Mersey. Pp. 1-15. 8vo. London, 1897.
- NATHORST, A. G. Egendomliga Bildningar i Sprickfyllnader inom Urberget vid Margretelund, Stockholms Län. *Geol. Fören. Stockh. Förh.* xix. pp. 177-183, figs. 1897. And A.C.
- 2. Ett markligt Spar från Tessinisandstenen på Öland. *Ibid.* pp. 361-365, pl. v. 1897.
- 3. Zur fossilen Flora der Polarländer. 1^{er} Theil, 2^e Lief. Zur mesozoischen Flora Spitzbergens. *K. svenska Vet.-Akad. Handl.* xxx. no. 1, pp. 1-77, figs., pls. i-vi. 1897. A.C.
- 4. Tvenne nya Fyndorter för subfossila *Trapa*-frukter i Misterhults Socken, Småland. *Öfvers. K. Vet.-Akad. Förh.* 1895, pp. 513-518, figs. 1896. A.C.
- 5. Marine Conchylien im Tertiär Spitzbergens und Ostgrönland. *Zeitschr. deutsch. geol. Gesellsch.* 1896, xlviii. pp. 983-986. 1897. And A.C.
- 6. Oscar Dickson. 'Ymer,' 1897, pp. 159-165, pl. iii. 1897. A.C.

- NECHAYEV, A. Recherches géologiques dans la Partie S.E. de la Feuille 129. [Orenburg.] *Bull. Comité géol. Russie*, xvi. pp. 53-74. 1897.
- NEHRING, A. Ueber neue Funde, namentlich über *Elephas*-Molaren, aus dem diluvialen Torflager von Klinge bei Cottbus. *Sitz. Gesellsch. naturf. Freunde, Berlin*, 1896, pp. 135-141. 1896.
- 2. Ueber einen Urstier-Schädel von der Burg in Bromberg. *Ibid.* p. 151. 1896.
- See NÜESCH, J., &c.
- NEILSON, J. On the Calderwood Limestone and Cementstone, with their Associated Shales. [*Sphenopteris, Lepidodendron, Productus, Archæocidaris.*] *Trans. Geol. Soc. Glasgow*, x. pp. 61-79, figs. 1895.
- 2. On the Occurrence of Marine Organisms in the Boulder-Clay of the Glasgow District. *Ibid.* pp. 273-277, 278-279. 1896.
- 3. On the Old Red Sandstone and Carboniferous Rocks of the North End of the Island of Arran. *Ibid.* pp. 280-301. 1896.
- NENTIEN, —. Étude sur les Gîtes minéraux de la Corse. *Ann. Mines, Paris*, ser. 9, xii. pp. 231-296, pl. v. [Map, $\frac{1}{640,000}$] 1897.
- NEWBERRY, S. B. See DAY, D. T., &c.
- *NEWSOM, J. F., & J. C. BRANNER. The Red River and Clinton Monoclines, Arkansas. *Am. Geol.* xx. pp. 1-13, figs., pl. i. [Map, 1 inch = 10 miles.] 1897.
- NEWTON, E. T. The Evidence for the Existence of Man in the Tertiary Period. *Proc. Geol. Assoc.* xv. pp. 63-82. 1897. A.C.
- See LAMPLUGH, G. W.; see TEALL, J. J. H.
- , & J. J. H. TEALL. Notes on a Collection of Rocks and Fossils from Franz Josef Land, made by the Jackson-Harmsworth Expedition during 1894-96. *Q. J. G. S.* liii. pp. 477-518, figs., pls. xxxvii-xli. 1897.
- NEWTON, H. A. The Worship of Meteorites. *Am. Journ. Sci.* ser. 4, iii. pp. 1-14. 1897.
- NEWTON, R. B. On a Jurassic Lamellibranch and some other associated Fossils from the Sarawak River Limestones of Borneo; with a Sketch of the Mesozoic Fauna of that Island. *Geol. Mag.* dec. 4, iv. pp. 407-415, fig. 1897. And A.C.
- *NICHOLS, H. W. On the Genesis of Claystones. *Am. Geol.* xix. pp. 324-329. 1897.
- NICHOLSON, J. T. See ADAMS, F. D.
- NICKLÈS, R. Feuille de Metz. *Bull. Serv. Carte géol. France*, ix. no. 59, p. 12. 1897.
- 2. Feuille de Bédarieux. *Ibid.* pp. 71-72. 1897.
- 3. Feuille de Saint-Affrique. *Ibid.* pp. 72-73. 1897.
- NIKITIN, S. Bibliothèque géologique de la Russie, 1895. *Bull. Com. géol. Russie*, xiii. Suppl. pp. 1-224. 1896.
- *— 2. Les Environs de Moscou. *Guide, VII. Congrès géol. internat.*, 1897, no. 1, pp. 1-16, figs. 1897.
- 3. De Moscou à Oufa. *Ibid.* no. 2, pp. 1-24, figs., 1 pl. 1897.
- 4. De Moskou à Koursk (via Podolsk, Toula, Aleksine, Orel). *Ibid.* 1897, no. 14, pp. 1-8, figs. 1897.
- 5. Notiz über die Wolga-Ablagerungen. *Verh. russ.-k. min. Gesellsch.* ser. 2, xxxiv. pp. 171-184, pl. v. [Map, $\frac{1}{5,000,000}$] 1897.
- See STRUCKENBERG, A.
- NILES, W. H. Remarks on the Pleistocene Excursion. [W. Central New York State.] *Bull. Geol. Soc. Am.* viii. pp. 5-7. 1897.
- NISBET, N. See NOBLE, A.
- NOBLE, A., & N. NISBET. Notes on Coal-Mining. [Broomhill and Tanfield Lea Collieries.] *Trans. N. Engl. Inst. M. E.* xlvi. pp. 131-136, pl. v. 1897.
- NOETLING, F. Baluchistan and N.W. Frontier of India. Vol. I. The Jurassic Fauna. Part I. The Fauna of the Kellaways of Mazár Drik. *Mem. Geol. Surv. India, Paleont. Indica*, ser. xvi. pp. 1-22, pls. i-xiii. 1895.
- *— 2. On the Discovery of Chipped Flint-flakes in the Pliocene of Burma. *Nat. Sci.* x. pp. 233-241, figs. 1897.
- NOLAN, H. Rasgos generales de la Estructura geológica del Archipiélago balear. *Bol. Com. Mapa geol. España*, xxii. pp. 101-120, figs. [Maps.] 1897.
- NORDENSKJÖLD, O. Algunos Datos sobre la Naturaleza de la Region magellanica. *An. Soc. cient. Argent.* xlv. pp. 190-197. 1897.
- 2. A Journey in South-western Patagonia. *Geogr. Journ.* x. pp. 401-410, figs., & map, 1 inch = 9.47. 1897.
- *— 3. Ueber die Natur der Magellansländer. *Petern. Mitth.* xliiii. pp. 212-216, pl. map, $\frac{1}{1,600,000}$. 1897.

- NORDENSKJÖLD, O. 4. Notes on Tierra del Fuego: an Account of the Swedish Expedition of 1895-97. *Scot. Geogr. Mag.* xiii. pp. 393-399. 1897.
- NORDENSTRÖM, G. Förekomst af brännbar Gas i Malmgruftvor. *Geol. Fören. Stockh. Förh.* xviii. pp. 637-640. 1897.
- NOVARESE, V. Il Quaternario nella Valle del Pellice (Alpi Cozie). *Boll. Com. geol. ital.* xxvii. pp. 367-394. 1896.
- 2. Rilevamento geologico del 1895 nella Val Pellice (Alpi Cozie). *Ibid.* pp. 232-267, figs. 1896.
- 3. Strati pontici dei Dintorni di Campagnatico e Paganico (Prov. di Grosseto). *Boll. Soc. geol. ital.* xvi. pp. 69-72.
- *NOYES, W. A. Composition of Indiana Coals. *Ann. Rep. Dep. Geol. &c. Indiana*, xxi. 1896, pp. 97-107. 1897.
- NÜESCH, J., &c. Das Schweizersbild, eine Niederlassung aus paläolithischer und neolithischer Zeit. *Denkschr. schweiz. Gesellsch. Naturw.* xxxv. pp. 1-344, 23 pls. 1896.
- UCHSENIUS, C. Ueber das Alter einiger Theile der Anden. *Zeitschr. deutsch. geol. Gesellsch.* xlvi. pp. 468-498. 1896.
- 2. Ueber Andengesteine. *Ibid.* p. 685. 1896.
- 3. Erdölbildung. *Ibid.* pp. 685-686. 1896.
- 4. Verschiedene Grad von Durchsichtigkeit an einzelnen Chlornatriumkrystallen. *Zeitschr. f. Kryst.* xxviii. pp. 305-307, fig. 1897.
- 5. Petroleum und Salz in Rumänien. *Zeitschr. f. prakt. Geol.* 1897, pp. 25-26, 316-318. 1897.
- UEHLERT, D. P. Sur les *Trinucleus* de l'Ouest de la France. *Bull. Soc. Linn. Norm.* ser. 4, x. pp. xlii-xliv. 1896.
- 2. Feuille de Mayenne. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 53-54. 1897.
- 3. Fossiles dévoniens de Santa Lucia (Espagne). I. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 814-875, figs., pls. xxvi-xxviii. 1897.
- *OETLING, C. W. A. Vergleichende Experimente über Verfertigung geschmolzener Gesteinsmassen unter erhöhtem und normalem Druck. *Min. petr. Mitth.* xvii. pp. 331-373, fig., pls. iii-vii. 1897.
- OFFICER, E. G., & E. G. HOGG. The Geology of Coimadaí. Pt. I. *Proc. Roy. Soc. Victoria (Aust.)* x. pp. 60-74. 1897.
- *OGILVIE, MARIA M. Die Korallen der Stramberger Schichten. *Palæontographica*, Supp. ii. no. 7, pp. 73-282, pls. vii-xviii. 1897.
- OLÁECHEA, T. La Bauxita y su Empleo. *Bol. Soc. nac. Minería, Santiago*, ser. 3, ix. pp. 46-48. 1897.
- *OLDHAM, R. D. The Facetted Pebbles of India. *Nat. Sci.* xi. pp. 197-199. 1897.
- 2. Annual Report of the Geological Survey of India and of the Geological Museum, Calcutta, for the year 1896. *Rec. Geol. Surv. India*, xxx. pp. 1-11. 1897.
- 3. On a Plant of *Glossopteris* with part of the Rhizome attached, and on the Structure of *Vertebraria*. *Ibid.* pp. 45-50, pls. iii-v. 1897.
- 4. Earthquake of the 12th June. [Calcutta, &c.] *Ibid.* pp. 130-132, pls. xvi & xvii. 1897.
- OMBONI, G. Commemorazione del Barone Achille de Zigno. *Atti R. Ist. Veneto*, ser. 7, viii. pp. 111-150. 1897. A.C.
- OPPENHEIM, P. Ueber das Tertiär im südlichen Frankreich. *Zeitschr. deutsch. geol. Gesellsch.* xlvi. p. 726. 1896.
- 2. Neue Fossilfunde auf Capri. *Ibid.* xlix. pp. 203-207. 1897.
- ORDÓÑEZ, E. See AGUILERA, J. G.
- O'REILLY, J. P. On the Micæ of the Three Rock Mountain, Co. Dublin. *Min. Mag.* xi. pp. 199-210, pls. iv-vii. 1897. [See HARTLEY, W. N.]
- ORFF, K. von. Bemerkungen über die Beziehung zwischen Schweremessungen und geologischen Untersuchungen, und Bericht über die in Bayern begonnenen Pendelbestimmungen. *Sitz. k.-bayr. Akad.* 1897, pp. 155-179. 1897.
- ORTMANN, A. E. The Systematic Position of *Crangopsis vermiformis*, Meek, from the Subcarboniferous Rocks of Kentucky. *Am. Journ. Sci.* ser. 4, iv. pp. 283-289. 1897.
- 2. On a New Species of the Palinurid Genus *Linuparus* found in the Upper Cretaceous of Dakota. *Ibid.* pp. 290-297, figs. 1897.
- 3. On some of the large Oysters of Patagonia. [Tertiary.] *Ibid.* pp. 355-356, pl. xi. 1897.
- OSASCO, E. Di alcuni Corallari miocenici del Piemonte. *Atti R. Acc. Sci. Torino*, xxxii. pp. 640-653, 1 pl. 1897.

- OSBORN, H. F. The Cranial Evolution of *Titanotherium*. *Bull. Am. Mus. Nat. Hist. N.Y.* viii. pp. 157-197, figs., pls. iii. & iv. 1896.
- ÖSTRUP, E. Diatoméerne i nogle Islandske Surtarbrand-Lag. *Meddel. Dansk geol. Foren.* no. 3, pp. 85-94. 1896.
- ÔTSUKA, S. See KOCHIBE, T., &c.
- LOUDIN, A. S. See FERNER, J.
- *OUSTALET, E. Notice sur la Faune ornithologique ancienne et moderne des Îles Mascareignes et en particulier de l'Île Maurice, d'après des Documents inédits. *Ann. Sci. nat. (Zool. & Palé.)*, ser. 8, pp. iii, 1-128, figs. 1896.
- OWEN, L. A. Marble Cave (Missouri) et Wind Cave (Dakota). *Spelunca*, iii. pp. 22-31, figs. 1897.
- OWEN, W. Glacial Deposits near Wavertree. *Journ. Liverp. Geol. Assoc.* xvi. pp. 6-12. 1896.
- ÖYEN, P. A. Bidrag til Jotunfjeldenes Glacialgeologi. *Nyt Mag. Naturvid.* xxxvi. pp. 13-65, figs. 1897.
- PABST, W. Thierfahrten aus dem Oberrothliegenden vom Tambach in Thüringen. *Zeitschr. deutsch. geol. Gesellsch.* xlvi. pp. 638-643, pl. xiv. 1896; & *Ibid.* pp. 808-829, figs., pls. xvii-xx. 1897.
- PAGNIEZ-MIO, —. Sondages aux Environs de Lille. *Ann. Soc. géol. Nord*, 1897, xxvi. pp. 16 & 48. 1897.
- PALACIOS, P. Ofitas de la Provincia de Navarra. *Bol. Com. Mapa geol. España*, xxii. pp. 173-247, figs. 1897.
- *PALLARY, P. Notes géologiques sur le Dahra oranais. *C. R. Assoc. franç. Av. Sci.* 1896, xxv. pt. 2, pp. 275-286, figs. 1897.
- PAOLUCCI, L. Nuovi Materiali e Ricerche critiche sulle Piante fossili terziarie dei Gessi di Ancona. Pp. i-xix, 1-158, pls. i-xxiv. 4to. Ancona. 1896.
- PAPAVASILIOU, S. A. Liste des Tremblements de Terre observés en Grèce durant les Mois d'Août-Octobre, 1896. *Bull. séismol. Observ. Nat. Athènes*, i. nos. 8-12, 13 pp. 1896.
- PAPOV, B. Ellipsoidische Einsprenglinge des finländischen Rapakiwi-Granites. Pp. 1-50, figs. 1897.
- PAQUIER, V. Feuilles de Die, Vizille et Privas. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 147-149. 1897.
- , & F. ROMAN. Sur les Diceratinés du Tithonique coralligène des Cévennes et du Dauphiné. *C. R. Acad. Sci. Paris*, cxxiv. pp. 1382-1385. 1897.
- PARENT, H. Note sur les Polypiers d'Hem-Monacu. *Ann. Soc. géol. Nord*, xxiv. pp. 135-136, pl. i. 1897. [See GOSSELET, J.]
- PARK, J. The Geology and Veins of the Hauraki Goldfields, New Zealand. *N. Z. Inst. M. E.* pp. 1-105, pls. i-xv. & 4 others. [Map, 1 inch = 2 miles.] 8vo. Auckland. 1897.
- PARKER, E. W. See DAY, D. T., &c.
- PARKINSON, J. Some Igneous Rocks in North Pembrokeshire. *Q. J. G. S.* liii. pp. 465-476, figs., pl. xxxvi. 1897.
- PARONA, C. F. Considerazioni sulla Serie del Giura superiore e dell'Infracretaceo in Lombardia a proposito del Rinvenimento di Fossili del Piano barremiano. *Rendic. R. Ist. lomb.* ser. 2, xxix. pp. 243-246. 1896.
- *— 2. Contribuzione alla Conoscenza delle Ammonite liasiche di Lombardia. Parte I. Ammonite del Lias inferiore del Saltrio. *Mém. Soc. palé. suisse*, 1896, xxiii. pp. 1-46, figs., pls. i-viii. 1897.
- *—, & G. BONARELLI. Fossili albiani d'Eseragnolles, del Nizzardo e della Liguria occidentale. *Palæontographia italica*, 1896, ii. pp. 29-112, pls. x-xiv. 1897.
- PASQUIER, L. DU. Sur l'Avalanche de l'Altels. *Eclogæ Geol. Helv.* v. pp. 26-28. 1897.
- 2. Sur un Mode naturel de Striage non-glaciaire des Roches. *Ibid.* pp. 28-29. 1897.
- 3. Compte-rendu du Voyage circulaire dans le Jura, VI. *Congrès géol. internat.* 1894, vi. pp. 421-437, figs. 1897.
- 4. Avalanche du Glacier de l'Altels. *C. R. Soc. helv. Sci. nat.* 1896, pp. 113-114. 1896.
- See SCHARDT, H.
- PATON, W. R., & J. L. MYRES. Researches in Karia. *Geogr. Journ.* ix. pp. 38-54, figs. 1897.
- PAUL, C. M. Studien im Wienersandsteingebiete. *Verh. k.-k. geol. Reichsanst.* 1897, pp. 77-78. 1897.
- 2. Aufnahmebericht aus der alpinen Sandsteinzone. *Ibid.* pp. 203-204. 1897.
- *PAVLOV, A. P. Voyage géologique par la Volga de Kazan à Tzaritzyn. *Guide, VII. Congrès géol. internat.* 1897, no. 20, pp. 1-40, figs., pls. A-H. 1897.
- *PAWSON, A. H. Ice Reservoirs. *Glac. Mag.* iv. pp. 110-114. 1896.

- PEALE, A. C. See DAY, D. T., &c.
- PECKHAM, S. F. On the Nature and Origin of Petroleum. *Proc. Am. Phil. Soc.* xxxvi. pp. 103-112. 1897.
- *PFAFF, F. W. Ueber Graphitoid-Vorkömmnisse im Elzthale. *Mitth. badisch. geol. Landesanst.* iii. pp. 619-624, pl. xviii. 1897.
- PELATAN, L. Carte géologique de la Nouvelle-Calédonie et des diverses Iles de l'Archipel Néo-Calédonien. [1 inch = 23 miles.] Paris, 1891.
- *PELIKAN, A. Der Eisenglanz von Dognacska im Banat. *Min. petr. Mitth.* n. s. xvi. pp. 519-522, pl. vii. 1897.
- PELLAT, E. Études stratigraphiques et paléontologiques sur les Terrains tertiaires des Environs d'Avignon, du Gard et de la Partie nord du Département des Bouches-du-Rhône. *C. R. Soc. géol. France*, 1896, pp. cxvii-cxviii. 1896.
- 2. Études stratigraphiques et paléontologiques sur les Terrains tertiaires de quelques Localités de Vaucluse, du Gard et des Bouches-du-Rhône. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 501-515, fig. 1896.
- 3. Études stratigraphiques et paléontologiques sur les Terrains tertiaires de quelques Localités de Vaucluse, du Gard et des Bouches-du-Rhône. Note III. Les Couches supérieures du Burdigalien supérieur aux Angles (Gard) et à Saint-Etienne-du-Grès (Bouches-du-Rhône), et Description de quelques Fossiles de ces Localités par P. DE LORIOU. *Ibid.* xxv. pp. 111-129, pl. iv. 1897. A.C.
- PENCK, A. See NÜESCH, J., &c.
- PENFIELD, S. L. On some Devices for the Separation of Minerals of High Specific Gravity. *Am. Journ. Sci.* ser. 3, l. pp. 446-448, figs. 1895. A.C.
- 2. On Pearceite, a Sulpharsenite of Silver, and on the Crystallization of Polybasite. *Ibid.* ser. 4, i. pp. 17-29, figs. 1896. A.C.
- 3. Artificial Production of the Mineral Northupite. *Ibid.* iii. p. 75. 1897. And A.C.
- 4. On the Chemical Composition of Hamlinite and its Occurrence with Bertrandite at Oxford County, Maine. *Ibid.* iv. pp. 313-316, figs. 1897.
- 5. Ueber die chemische Zusammensetzung des Hamlinits und sein Vorkommen mit Bertrandit in Oxford County, Maine. *Zeitschr. f. Kryst.* xxviii. pp. 588-591, figs. 1897.
- , & H. W. FOOTE. On Røblingite, a new Silicate from Franklin Furnace, N.J., containing Sulphur Dioxide and Lead. *Am. Journ. Sci.* ser. 4, iii. pp. 413-415. 1897.
- , — 2. On Bixbyite, a new Mineral, and Notes on the associated Topaz. *Ibid.* iv. pp. 105-108, figs. 1897.
- , — 3. Note concerning the Composition of Ilmenite. *Ibid.* pp. 108-110. 1897.
- , — 4. Ueber Røblingit, ein neues schwefelige, Säure und Blei enthaltendes Silicat von Franklin Furnace, N.J. *Zeitschr. f. Kryst.* xxviii. pp. 578-580. 1897.
- , — 5. Ueber Bixbyit, ein neues Mineral, mit einer Notiz über den begleitenden Topaz. *Ibid.* pp. 592-595, figs. 1897.
- , — 6. Notiz über die Zusammensetzung des Ilmenits. *Ibid.* pp. 596-597. 1897.
- , & A. FRENZEL. On the Identity of Chalcostibite (Wolfsbergite) and Guejarit^o, and on Chalcostibite from Huanchaca, Bolivia. *Am. Journ. Sci.* ser. 4, iv. pp. 27-35, figs. 1897.
- , — 2. Ueber die Identität des Chalkostibit (Wolfsbergit) mit Guejarit, und über Chalkostibit von Huanchaca, Bolivia. *Zeitschr. f. Kryst.* xxviii. pp. 598-609, figs. 1897.
- , & J. H. PRATT. Effect of the Mutual Replacement of Manganese and Iron on the Optical Properties of Lithiophilite and Triphylite. *Am. Journ. Sci.* ser. 3, l. pp. 387-390. 1895. A.C.
- , — 2. On the Occurrence of Thaumassite at West Paterson, New Jersey. *Ibid.* ser. 4, i. pp. 229-233. 1896. A.C.
- PENHALLOW, D. P. *Nematophyton crassum*. *Canad. Rec. Sci.* vii. pp. 151-156, figs., pl. ii. 1896.
- 2. Contributions to the Pleistocene Flora of Canada. *Proc. & Trans. Roy. Soc. Canada*, ser. 2, ii. sec. iv. pp. 59-77. 1896.
- PENN, W. C. The South Wales Coalfield. *Coll. Guard.* lxxiii. p. 315. 1897.
- PERKO, J. A. Les nouveaux Gouffres du Karst. *Speunca*, iii. pp. 112-114. 1897.
- PERNER, J. Étude sur les Graptolites de Bohême. 3^e Partie : Monographie des Graptolites de l'Étage E. Section A. Traduit par A. S. OUDIN. Pp. 1-26, figs., pls. ix-xiii. Fol. Prague, 1897.

- PEROCHE, J. Les Déplacements polaires à propos du dernier Congrès de Géodésie. *Ann. Soc. géol. Nord*, xxiii, pp. 112-121, figs. 1895. A.C.
- 2. Les Déplacements polaires. Justifications. *Ibid.* pp. 152-159. 1895. A.C.
- 3. Au sujet de l'État climatérique de l'Afrique septentrionale. *Ibid.* xxiv, pp. 69-72. 1896.
- 4. L'Action de la Précession des Equinoxes sur les Températures du Globe. Déterminations théoriques. *Mém. Soc. Sci. Lille*, 1896 (15 pp.). 1896. A.C.
- 5. Les Températures quaternaires. *Ibid.* 1897 (24 pp.), fig. 1897. A.C.
- *PERON, A. Exploration scientifique de la Tunisie. Description des Mollusques fossiles des Terrains crétacés de la Région sud des Hauts-Plateaux de la Tunisie recueillis en 1885 et 1886 par M. P. THOMAS. Text, pts. i. & ii. pp. 1-327. Atlas, pts. i. & ii. pls. xv-xxii. [pls. i-xiv. not publ.]. 8vo & fol. Paris, 1890-91.
- 2. Les Ammonites du Crétacé supérieur de l'Algérie. *Mém. Soc. géol. France*, (Paléont.) vi. *Mém.* no. 17, pp. 2-24, pls. xiv-xix. 1896.
- PERRY, J. The Perry Tromometer. *Rep. Brit. Assoc.* 1896, lxvi, pp. 218-219. 1896.
- PETERSSON, W. Om de geologiska Förhållandena i Trakten omkring Sjängeli Kopparmalmfält i Norrbottens Län. *Geol. Fören. Stockh. Förh.* xix, pp. 296-306, pl. iv. [Map, Sjängeli, $\frac{1}{200,000}$]. 1897.
- PETHÖ, J. Die geologischen Verhältnisse der Umgebung von Nagy-Halmágy. *Jahresh. k.-ung. geol. Anst.* 1894, pp. 49-85. 1897.
- PETRACZEC, W. Ueber das Alter des Ueberquaders im sächsischen Elbthalgebirge. *Sitz. u. Abh. nat. Gesellsch. 'Isis,'* 1897, *Abh.* pp. 24-40. 1897.
- *PHILIPPI, E. Ueber *Ischyodus suevicus*, nov. spec. *Palaeontographica*, xlv, pp. 1-10, pls. i. & ii. 1897.
- 2. Ueber die Muschelkalkfauna von Schwieberdingen in Württemberg. *Zeitschr. deutsch. geol. Gesellsch.* xlix, *Protok.* pp. 33-34. 1897.
- 3. Geologie der Umgegend von Lecco und des Resegone-Massivs in der Lombardei. *Ibid.* xlix, pp. 318-367, pls. xiii-xiv. [Map, $\frac{1}{55,000}$]. 1897.
- PHILLIPS, F. C. On the Genesis of Natural Gas and Petroleum. *Proc. Am. Phil. Soc.* xxxvi, pp. 116-121. 1897.
- 2. On the Occurrence of Petroleum in the Cavities of Fossils. *Ibid.* pp. 121-126. 1897.
- PHILLIPS, W. B. Iron-making in Alabama. *Rep. Geol. Surv. Alabama*, 1896, pp. 1-164. 1896.
- 2. The Gold Regions of Alabama, U.S.A. *Trans. Fed. Inst. M. E.* xiv, pp. 93-97, pl. iii. [Map.] 1897.
- PHIPSON, T. L. The Ironstone of the Weald. *Chem. News*, lxxv, p. 207. 1897.
- *PIERCE, S. J. The Preglacial Cuyahoga Valley. *Am. Geol.* xx, pp. 176-181, pl. xiii. 1897.
- PILSBRY, H. A. Geology of the Mussel-bearing Clays of Fish House (N.J.). *Proc. Acad. Nat. Sci. Philad.* 1896, pp. 567-570, fig. 1897.
- 2. The Affinities of Floridian Miocene Land-Snails. *Ibid.* 1897, pp. 10-11. 1897.
- PIPEROV, C. Geologie des Calanda. *Beitr. geol. Karte Schw.* n. s. vii, pp. i-x, 1-66. [Map, $\frac{1}{50,000}$]. 1897.
- PIRSSON, L. V. On the Corundum-bearing Rock from Yogo Gulch, Montana. *Am. Journ. Sci.* ser. 4, iv, pp. 421-423. 1897.
- PISANI, F. Calcite de Joplin (Missouri). *Bull. Soc. franç. Min.* xx, pp. 111-112. 1897.
- PITTMAN, E. F. Geological Survey of New South Wales. Progress Report for 1896. [Boggy Camp Diamond Field: Warialda Water Supply.] *Ann. Rep. Dep. Mines N.S.W.* 1896, pp. 96-100, figs., 1 pl. 1897.
- PLAGEMANN, A. Sobre la Formacion geológica del Salitre bajo el Punto de Vista de la Fermentacion química. *Bol. Soc. nac. Minería, Santiago*, ser. 3, ix, pp. 88-93, 153-156, 245-248, 323-326, 409-412. 1897.
- PLATHAN, A. Ueber eine isomorphe Reihe von Formation des Calcium, Strontium, Baryum und Blei. Pp. 1-46, figs. 8vo. Kuopio, 1897.
- POCKELS, F. Ueber den Gesteinsmagnetismus und seine wahrscheinliche Ursache. *Sitz. u. Abh. nat. Gesellsch. 'Isis,'* 1896, *Abh.* pp. 64-67. 1897; & *N. J. f. Min.* 1897, i, pp. 66-73. 1897.
- POCTA, P. Parallèle entre les Dépôts siluriens de la Bretagne et de la Bohême. *Bull. Soc. Linn. Norm.* ser. 4, x, pp. xlv-xlv. 1896.

- POČTA, P. 2. Bemerkung zu Dr. J. JAHN'S 'Geologische Verhältnisse des Cambrium von Tejrovic, etc.' *Verh. k.-k. geol. Reichsanst.* 1896, pp. 345-346. 1896.
- POHLIG, H. *Paidopithecus rhenanus*, le Singe anthropomorphe du Pliocène rhénan. *Bull. Soc. belge Géol. Brux.* 1895, ix. *Proc.-verb.* pp. 149-151, figs. 1897.
- PÖHLMANN, R. Zur Geologie der Umgegend von Parral. *Verh. deutsch. wissenschaftl. Ver. Santiago*, iii. pp. 340-341. 1896.
- 2. Ueber Pseudomorphosen aus Minas Geraes. *Ibid.* pp. 342-343. 1896.
- 3. Die Goldsande von Carelmapu. *Ibid.* p. 345. 1896.
- , & J. SCHULZE. Observaciones sobre los Minerales auríferos del Guanaco. *Bol. Soc. Nac. Minería, Santiago*, ser. 2, viii. pp. 202-204. 1896.
- POLENOV, B. K. Description géologique de la partie nord-est de la 14me Feuille (VIII. Zone) de la Carte générale du Gouvernement Tomsk (Feuille Kol-tchougouina). *Travaux Sec. géol. Cab. S. M. St.-Pétersb.* ii. no. 2, pp. 1-157, 1 pl. 1897.
- POLWHELE, T. R. Anniversary Address. [Physical Geology of the Earth.] *Trans. R. Geol. Soc. Cornwall*, xii. pp. 9-18. 1897.
- *POMEL, A. Carte géologique de l'Algérie. Paléontologie: Monographies. Les Hippopotames. Pp. 1-65, pls. i-xxi. 1896.—Les Carnassiers. Pp. 1-42, pls. i-xv. 1897.—Les Suilliens. Porciens. Pp. 1-39, pls. i-x. 4to. Algiers, 1897.
- 2. Sur les Hippopotames fossiles de l'Algérie. *C. R. Acad. Sci. Paris*, cxxiii. pp. 1241-1242. 1897.
- 3. Monographie des Carnassiers fossiles quaternaires de l'Algérie. *Ibid.* cxxiv. pp. 889-890. 1897.
- 4. Mammifères quaternaires fossiles algériens, monographie des Porciens. *Ibid.* pp. 1421-1422. 1897.
- POPOVICI-HATZEG, —. Sur les Couches nummulitiques d'Albesti (Roumanie). *C. R. Soc. géol. France*, 1896, pp. lxxx-lxxxi. 1896.
- PORTER, J. A. The Smuggler-Union Mines, Telluride, Colorado. *Trans. Am. Inst. M. E.* xxvi. pp. 449-459, figs. 1897.
- PORTIS, A. Contribuzioni alla Storia fisica del Bacino di Roma e Studii sopra l'Estensione da darsi al Pliocene superiore. II. pts. 4 & 5, pp. 1-513, pls. i-v. 4to. Turin, 1896. A.C.
- *— 2. Il Cigno fossile nelle Vicinanze di Roma. *Riv. ital. Paleont. Bologna*, ii. pp. 158-161. 1896. And A.C.
- *— 3. Anomalie riscontrate sull' Atlante di un Elefante fossile dei Dintorni di Roma. *Ibid.* pp. 326-332, fig. 1896. And A.C.
- *— 4. Un Dioplodonte nel Pliocene astigiano. *Riv. ital. Paleont. Parma*, iii. pp. 34-39. 1897. And A.C.
- 5. Ai Colleghi della Società geologica italiana (Lettera aperta). Pp. 1-14. 4to. Rome, 1897. A.C.
- POSEWITZ, T. Umgebung der Turbat-Klause. *Jahresb. k.-ung. geol. Anst.* 1894, pp. 41-43. 1897.
- POSEPNÝ, F. Ueber die Wichtigkeit der Bergbau-Aufschlüsse für die Geologie. *Congrès géol. internat.* 1894, vi. pp. 375-381. 1897.
- POSTLETHWAITE, J. The Geology of the English Lake District, with Notes on the Minerals. Pp. 1-78, fig., 5 pls. [Map 1 inch, = 5 miles.] 1897.
- POTONIE, H. Ueber Autochthonie von Carbonkohlen-Flötzen und des Senftenberger Braunkohlen-Flötzes. *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi. *Abh. Mitarb.* pp. 1-31, figs., pls. iii. & iv. 1896.
- 2. Ueber das Senftenberger Braunkohlen-Flötz. *Sitz. Gesellsch. naturf. Freunde, Berlin*, 1896, pp. 57-60. 1896.
- 3. Ueber den paläontologischen Anschluss der Farne und höheren Pflanzen überhaupt an die Algen. *Zeitschr. deutsch. geol. Gesellsch.* xlix. *Protok.* pp. 39-43. 1897.
- PÖTZ, WILHELM. Beiträge zur Kenntniss der basaltischen Gesteine von Nord-Syrien. *Ibid.* xlvi. pp. 522-556. [Maps, $\frac{1}{2,400,000}$ & $\frac{1}{300,000}$.] 1896.
- POULTON, E. B. A Naturalist's Contribution to the Discussion upon the Age of the Earth. *Rep. Brit. Assoc.* 1896, lxvi. pp. 808-828. 1896.
- POWER, F. D. Receptacles for Valuable Mineral Deposits. *Trans. Austr. Inst. M. E.* ix. pp. 6-35, 16 pls. 1897.
- *PRAEGER, R. L. Bog-bursts, with special reference to the Recent Disaster in Co. Kerry. *Irish Nat.* vi. pp. 141-162, figs. [Maps.] 1897.
- *— 2. Notes on an Expedition to Rockall. *Ibid.* pp. 309-323. 1897.
- 3. Report upon the Raised Beaches of the North-east of Ireland, with special reference to their Fauna. *Proc. Roy. Irish Acad.* ser. 3, iv. pp. 30-54. 1896.

- PRAGUER, H. Riqueza Mineral do Estado da Bahia. *Rev. Inst. geogr. e hist. Bahia*, iv. pp. 233-244, 419-431. 1897.
- PRATT, J. H. On Northupite; Pirssonite, a new Mineral; Gaylussite and Hanksite from Borax Lake, San Bernardino County, California. *Am. Journ. Sci.* ser. 4, ii. pp. 123-135. 1896.
- 2. On the Crystallography of the Montana Sapphires. *Ibid.* iv. pp. 424-428, figs. 1897.
- , & H. W. FOOTE. Ueber Wellsit, ein neues Mineral. *Zeitschr. f. Kryst.* xxviii. pp. 581-587, figs. 1897.
- PRATT, R. A Visit to the Upper Cretaceous System at Eastbourne. *Trans. Leicester Lit. & Phil. Soc.* n. s. iv. pp. 258-266. 1897.
- PRENDEL, R. Coelestin von Doroban bei Hotin. *Verh. russ.-k. min. Gesellschaft.* ser. 2, xxxiv. pp. 185-194, figs. 1897.
- PRENTICE, J. The Mineral Seams of New Monkland (Lanarkshire). *Trans. Fed. Inst. M. E.* xii. pp. 435-449, pl. xxi. 1897; & *Coll. Guard.* lxxiii. pp. 642-644. 1897.
- PREST, W. H. Glacial Succession in Central Lunenburg. *Proc. & Trans. Nova Scotian Inst. Sci.* ix. pp. 158-170. 1896.
- PRESTON, E. D. Mean Density of the Earth. *Bull. Phil. Soc. Washington*, xii. pp. 369-395, pls. vii-ix. 1895.
- PRIEM, F. Sur les Poissons de la Craie phosphatée des Environs de Péronne. *C. R. Soc. géol. France*, 1896, pp. vii-viii. 1896.
- 2. Sur des Dents de Poissons du Crétacé supérieur de France. *Ibid.* pp. lxxxix-xc. 1896.
- 3. Sur des Dents d'Elasmobranches de divers Gisemens sénoniens (Ville-dieu, Meudon, Folx-les-Caves). *Bull. Soc. géol. France*, ser. 3, xxv. pp. 40-56. 1897.
- PRIOR, G. T. Note on the Occurrence of Rocks allied to Monchiquite in the Island of Fernando Noronha. *Min. Mag.* xi. pp. 171-175. 1897.
- 2. On the Chemical Composition of Zirkelite. *Ibid.* pp. 180-183. 1897.
- See HUSSAK, E.
- PRITCHARD, G. B. A Revision of the Fossil Fauna of the Table Cape Beds, Tasmania, with Descriptions of the New Species. *Proc. Roy. Soc. Victoria (Aust.)*, n. s. viii. pp. 75-150, pls. ii-iv. 1896.
- See HALL, T. S.
- PROSSER, C. S. Comparison of the Carboniferous and Permian Formations of Nebraska and Kansas. *Journ. Geol. Chicago*, v. pp. 1-16, fig. 1897.
- 2. Comparison of the Carboniferous and Permian Formations of Nebraska and Kansas. *Ibid.* pp. 148-172, figs. 1897.
- 3. The Permian and Upper Carboniferous of Southern Kansas. *Kansas Univ. Quart.* ser. A, vi. pp. 149-175, pls. xviii-xix. 1897.
- PUIG Y LARRAZ, G. Notas bibliográficas, 1895. *Bol. Com. Mapa geol. España*, xxii. pp. 249-352. 1897.
- *PUISEUX, P. Les Montagnes de la Lune. *Ann. Club alpin français*, 1895, xxii. pp. 363-403, fig., 1 pl. 1896.
- PURDUE, A. H. Observations on the Glacial Drift of Jasper County. *Proc. Indiana Acad. Sci.* 1894, pp. 43-46. 1895.
- 2. The Charleston (Mo.) Earthquake. *Ibid.* 1895, pp. 51-53. 1896.
- PUTNAM, B. R. Iron and Copper Ores of Mount Hope (N.J.) and of the Lake Superior Region. *Proc. Davenport Acad. Nat. Sci.* vi. pp. 331-333. 1897.
- PYEVTSOV, V. Russian Expedition in Tibet. *Geogr. Journ.* ix. pp. 546-555. 1897.
- RABOT, C. Les Variations des Glaciers arctiques. *Rev. Sci. Paris*, ser. 4, viii. pp. 140-142. 1897.
- RAISIN, C. A. On a Hornblende-Picrite from the Zmutthal (Canton Valais). *Geol. Mag.* dec. 4, iv. pp. 202-205. 1897.
- 2. On the Nature and Origin of the Rauenenthal Serpentine. *Q. J. G. S.* liii. pp. 246-268, pls. xvi-xvii. 1897.
- See LYONS, H. G.
- RALLI, G. Le Bassin houiller d'Héraclée. [Continuation.] *Ann. Soc. géol. Belg. Liège*, xxiii. pp. 161-267, pls. iii-xix. [Map, $\frac{1}{40,000}$, &c.] 1897.
- RAMAGE, H. See HARTLEY, W. N.
- RAMMELSBURG, C. Die Formel des Apatits. *N. J. f. Min.* 1897, ii. pp. 38-44. 1897.
- 2. Die Arsenverbindungen des Eisens, Nickels und Kobalts, bezogen auf eine einzige Grundmischung. *Ibid.* pp. 45-66. 1897.
- RAMOND, G. Géologie des Indes anglaises. (Stratigraphie et tectonique.) *Ann. géol. Univ.* 1893, x. pp. 595-654. 1895. A.C.

- RAMOND, G. 2. Asie et Océanie. *Ibid.* pp. 655-672. 1895. A.C.
- 3. Étude de Géologie sur le Bassin de Paris.—Note sommaire sur l'Aqueduc-Egout de Clichy-Achères. *C. R. Assoc. franç. Av. Sci.* 1894, xxiii. pp. 471-474, figs., pl. viii. 1895. A.C.
- 4. Étude géologique de l'Aqueduc de l'Avre: Dérivation, vers Paris, des Sources de la Vigne et de Verneuil. *C. R. Congrès Soc. sav. Sci. Paris*, 1896 (22 pp.). 1896. A.C.
- See MARTEL, E. A.
- & G. DOLFFUS. Géologie du Spitzberg, à propos de la Mission de 'La Manche.' *Feuilles Jeunes Nat. Paris*, 1894 (22 pp.). 1894. A.C.
- RAMSAY, W. See SEDERHOLM, J. J.
- , V. HACKMAN, & J. J. SEDERHOLM. Till Frågan om det sen-glaciala Hafvets Utbredning i södra Finland. *Fennia*, xii. no. 5, pp. 1-44, pl. [Map.] 1896.
- RAMSAY, W., & M. W. TRAVERS. The Gaseous Constituents of certain Mineral Substances and Natural Waters. *Proc. Roy. Soc.* lx. pp. 442-453, figs. 1897.
- RANDS, W. H. Report on the Eidsvold Goldfield. *Rep. Geol. Surv. Queensl.* no. 124, pp. 1-3, 2 pls. [Map.] 1887. Re-issue, 1897.
- 2. Second Report on the Eidsvold Goldfield. *Ibid.* no. 102, pp. 1-5. [Map, 1 inch = 4 chains.] 1895.
- 3. Report on the Horn Island Goldfield. *Ibid.* no. 112, p. 1-6. [Map, 1 inch = 4 chains.] 1896.
- 4. Report on the Croydon Goldfield. *Ibid.* no. 118, pp. 1-66, 5 maps & 11 pls. 1896.
- 5. Mount Cannindah Copper and Gold Deposits. *Bull. Geol. Surv. Queensl.* no. 3, pp. 1-10. [Map.] 1896.
- RANGEL, M. See AGUILEA, J. G.
- RASMUSSEN, E. C. See ZACHARÆ, —.
- *RAUFF, H., & FEAU M. Sachregister zu dem von H. VON DECHEN und H. RAUFF herausgegebenen Verzeichniss der geologischen und mineralogischen Litteratur der Rheinprovinz und der Provinz Westfalen, sowie einiger angrenzender Gegenden. *Verh. naturh. Ver. preuss. Rheinl.* lii. (pp. i-xii, 1-274). 1895.
- RAVENAU, L. See FABRE, E., &c.
- RAVN, J. P. J. Om Kildekalken ved Vintremøllerne paa Sjælland. *Meddel. Dansk geol. Foren.* no. 3, pp. 23-30, fig. 1896.
- READE, T. M. The Present Aspects of Glacial Geology. *Geol. Mag.* dec. 4, iii. pp. 542-551. 1896. A.C.
- 2. The Exfoliation of Gneiss in Brazil. *Ibid.* iv. pp. 130-132. 1897. And A.C.
- 3. The Present Aspects of Glacial Geology. *Proc. Liverp. Geol. Soc.* viii. pp. 13-31. 1897.
- 4. Geological Observations in Ayrshire. *Ibid.* pp. 104-129, pl. viii. 1897. And A.C.
- 5. The Glacio-Marine Drift of the Vale of Clwyd. *Q. J. G. S.* liii. pp. 341-347, fig., pl. xxv. [Map, 1 inch = 2 miles.] 1897. And A.C.
- 6. Oscillations in the Level of the Land as shown by the Buried River Valleys and later Deposits in the Neighbourhood of Liverpool. *Rep. Brit. Assoc.* 1896, lxvi. pp. 782-783. 1896.
- *REBEUR-PASCHWITZ, E. von. Horizontalpendel-Beobachtungen auf der kaiserlichen Universitäts-Sternwarte zu Strassburg 1892-94. *Beitr. z. Geophys.*, Stuttgart, ii. pp. 211-536. 1895.
- * — 2. Vorschläge zur Errichtung eines internationalen Systems von Erdbeben-Stationen. *Ibid.* p. 773. 1895.
- REDLICH, K. A. Geologische Studien in Rumänien. II. *Verh. k.-k. geol. Reichsanst.* 1896, pp. 492-502. 1896.
- 2. Rothbleierz auf dem Umtali-District (Mashonaland). *Zeitschr. f. Kryst.* xxvii. pp. 607-608. 1897.
- REED, F. Hydrothermal Gold Deposits at Peak Hill, Western Australia. *Trans. Fed. Inst. M. E.* xiv. pp. 89-92, pl. ii. [Map.] 1897.
- 2. Western Australia. Department of Mines. Gold-Mining Statistics for the Year 1896. Pp. 1-7. Obl. 8vo. Perth, 1897.
- 3. — — for the Half-year ending 30th June, 1897. Pp. 1-28. 4to. Perth, 1897.
- REED, F. R. C. Notes on the Geology of County Waterford. I. The Fauna of the Ordovician Beds near Tramore. *Geol. Mag.* dec. 4, iv. pp. 502-512. 1897.
- 2. The Fauna of the Keisley Limestone.—Part 2. Conclusion. *Q. J. G. S.* liii. pp. 67-105, pl. vi. 1897.

- REED, F. R. C. 3. The Red Rocks near Bunmahon, on the Coast of Co. Waterford. *Ibid.* pp. 269-288, figs. [Map.] 1897.
 —. See GARDINER, C. I.
- REGALIA, E. II *Gulo borealis* nella Grotta dei Colombi (Is. Palmaria, Spezia). *Atti Soc. tosc. Sci. nat.* x. pp. 166-167. 1896.
- REGELMANN, —. Mittheilung über die neue Landeshöhenaufnahme in 1:2500 und die Herausgabe einer Höhencurvenkarte Württembergs in 1:25,000. *Zeitschr. deutsch. geol. Gesellsch.* xlviii. pp. 723-726. 1896.
- REID, C. On Charred Pine-wood from Dorset Peat Mosses. *Proc. Dorset Nat. Hist. & Antiq. F. C.* xvi. pp. 14-16. 1895.
 —. 2. Supplementary Note on the Worked Flints from Blashenwell, near Corfe Castle. *Ibid.* xvii. p. 66. 1897. And A.C.
 —. 3. An Early Neolithic Kitchen-midden and Tufaceous Deposit at Blashenwell, near Corfe Castle. *Ibid.* pp. 67-75. 1897.
 —. 4. The Geology of the Country around Bognor. *Mem. Geol. Surv. Engl. & Wales.* Sheet 332, pp. i-iv, 1-12, figs. 1897.
 —. 5. The Relation of Palaeolithic Man to the Glacial Epoch. Report of the Committee appointed to ascertain by Excavation at Hoxne the relations of the Palaeolithic Deposits to the Boulder Clay, and to the Deposits with Arctic and Temperate Plants. Appendix: Borings made in 1895, by C. REID and H. N. RIDLEY. *Rep. Brit. Assoc.* 1896, lxvi. pp. 400-415. 1896.
 —. 6. The Palaeolithic Deposits at Hitchin and their Relation to the Glacial Epoch. *Proc. Roy. Soc. Lii.* pp. 40-49. 1897.
 —. 7. Pleistocene Plants from Casewick, Shacklewell, and Grays. *Q. J. G. S.* liii. pp. 463-464. 1897. And A.C.
- REID, H. F. Glacier Bay and its Glaciers. *Ann. Rep. U.S. Geol. Surv.* 1894-95, pt. i. pp. 415-461, pls. lxxxvi-xcvi. [Maps.] 1896.
 —. 2. The Mechanics of Glaciers. I. *Journ. Geol. Chicago*, iv. pp. 912-928, figs. 1896.
 —. 3. Variations of Glaciers. *Ibid.* v. pp. 378-383. 1897.
- REID, J., & P. MACNAIR. On the Genera *Lycopodites* and *Psilophyton* of the Old Red Sandstone Formation of Scotland. *Proc. Geol. Soc. Glasgow*, x. pp. 323-330, figs. 1896.
- *REIN, J. Das Seebeben von Kámaishi am 15 Juni, 1896. *Peterm. Mitth.* xliii. pp. 34-37, pl. v. [Map.] 1897.
- *REINHARD, C. Untersuchungen über die Molluskenfauna des Rupelthons zu Itzehoe. *Arch. f. Anthr. Geol. Schleswig-Holsteins*, ii. pp. 21-125, pl. i. 1896.
- *REINISCH, R. Ueber Einschlüsse im Granitporphyr des Leipziger-Kreises. *Min. petr. Mitth.* n. s. xvi. pp. 465-503, pl. vi. 1897.
- RENARD, A. F. Notice préliminaire sur la Météorite de Lesves. *Bull. Acad. Roy. Belg.* ser. 3, xxxi. pp. 654-663, fig. 1896.
 —. See VALLÉE POUSSIN, C. DE LA.
- *RENAULD, E. Le Jura souterrain. *Ann. Club alpin français*, 1895, xxii. pp. 147-170, figs., 1 pl. 1896.
- RENAULD, B. Les Bactériacées et les Bogheads à Pilas. *Bull. Mus. Hist. nat. Paris*, 1897, pp. 33-39, figs. 1897.
 —. 2. Fossil Bacteria and their Geological Functions. *Coll. Guard.* lxxiii. pp. 318, 364-366, figs. 1897.
- RENEVIER, E. Notice sur l'Origine et l'Installation du Musée géologique de Lausanne. Pp. 1-14. 8vo. Lausanne, 1895. A.C.
 —. 2. Musée géologique, 1894. *Rapp. Ann. Mus. Hist. nat. Lausanne*, 1894, pp. 15-29. 1895.
 —. 3. —, 1895. *Ibid.* pp. 17-24. 1896.
 —. 4. Résumé du Chronographe géologique. *Bull. Soc. vaud. Sci. nat.* ser. 4, xxxiii. pp. 30-36. 1897; & *Eclogæ Geol. Helv.* v. pp. 69-75. 1897.
 —. 5. Chronographe géologique. Seconde Edition du Tableau des Terrains sédimentaires formés pendant les Époques de la Phase organique du Globe terrestre . . . avec Texte explicatif, suivi d'un Répertoire stratigraphique polyglotte. *Congrès géol. internat.* 1894, vi. pp. 521-695, tables i-xiii. 1897. And A.C.
- RENWICK, J. Note on an Excursion to Glen Fruin, with a Description of the Moraine on its South Side. *Trans. Geol. Soc. Glasgow*, x. pp. 96-104, figs. 1895.
- RÉPELIN, J. Feuille de Montauban. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 90-91. 1897.
 —. See MICHEL-LÉVY, A.
- RESETTI, G. E. II Monte Fenera di Valsesia. [Liassic and Pleistocene Fauna.] *Boll. Soc. geol. ital.* xvi. pp. 141-175, figs., pl. vii. [Map, $\frac{1}{25,000}$] 1897.

- REYNOLDS, S. H. See GARDINER, C. I.
- RICE, W. N., & C. H. HITCHCOCK. Remarks on the Petrographic Excursion. [Adirondacks.] *Bull. Geol. Soc. Am.* viii. pp. 3-4. 1897.
- RICHARDS, E. P. The Gravels and Associated Deposits at Newbury. *Q. J. G. S.* liii. pp. 420-436, figs., pl. xxx. [Map, 1½ inches = 1 mile.] 1897.
- RICHARDS, J. W. A Critical Review of the Methods of Determining Minerals. *Chem. News*, lxxvi. pp. 114-116, 139-140. 1897.
- RICHE, A. Révision de la Feuille de Nantua. *Bull. Serv. Carte géol. France*, xi. no. 59, pp. 150-152. 1897.
- 2. Sur la Présence de la Zone à *Lioceras concavum* dans le Mont-d'Or lyonnais. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 766-770. 1896 & 1897; & *C. R. Soc. géol. France*, 1896, p. clvii. 1896.
- RICHTER, E. Geomorphologische Beobachtungen aus Norwegen. *Sitz. k. Akad. Wissensch. Wien*, cv. (Abth. I.) pp. 147-189, figs., pls. i. & ii. 1896.
- RICKARD, T. A. Vein Walls. *Trans. Am. Inst. M. E.* xxvi. pp. 193-241, figs. 1897.
- 2. The Development of Colorado's Mining Industry. *Ibid.* pp. 834-848. [Map.] 1897.
- 3. The Enterprise Mine, Rico, Colorado. *Ibid.* pp. 906-980, figs. & pl. 1897. And A.C.
- *RIDEWOOD, W. G. On the Restoration of some Extinct Reptiles. *Nat. Sci.* xi. pp. 190-196 figs. 1897.
- RIDLEY, H. N. See REID, C.
- RIES, H. The Clays and Clay-working Industry of Colorado. *Coll. Guard.* lxxiv. p. 758. 1897.
- 2. The Fullers' Earth of South Dakota. *Ibid.* p. 1072. 1897.
- See MERRILL, F. J. H.
- RIGAUD, F. The Formation of Coal and Generation of Firedamp. *Coll. Guard.* lxxiv. pp. 463, 509-510, 553. 1897.
- RIGGS, E. S. A New Species of *Dinictis* from the White River Miocene of Wyoming. *Kansas Univ. Quart.* iv. pp. 237-241, figs. 1896.
- 2. *Hoplophonus occidentalis*. *Ibid.* v. pp. 37-52. 1896.
- RINNE, F. Physikalisch-chemische Untersuchungen am Desmin. [Hypostilbite.] *N. J. f. Min.* 1897, i. pp. 41-60, figs. 1897.
- 2. Kugelrunde Eiskrystalle und Chondren von Meteoriten. *Ibid.* 1897, i. pp. 259-261. 1897.
- 3. Isotypie bei chemisch-einfachen Körpern und der Carborund. *Ibid.* 1897, ii. pp. 1-27. 1897.
- 4. Chabasit mit Krystallwasser, Krystallschwefelkohlenstoff, Krystallkohlen-säure, Krystallalkohol u. s. w. *Ibid.* pp. 28-37, fig. 1897.
- 5. Notiz über einen Aufschluss von Culmkiefelschiefer und Zechstein am südwestlichen Harzrande. *Zeitschr. deutsch. geol. Gesell.* xlvi. pp. 499-504, figs. 1896.
- RISTORI, G. Osservazioni sull' Età e sulla Genesis delle Ligniti del Massetano. *Atti Soc. tosc. Sci. nat.* xv. *Mem.* pp. 106-119, pl. ii. 1897.
- RITTER, É. La Bordure sud-ouest du Mont-Blanc.—Les Plis couchés du Mont-Joly et de ses Attaches. *Bull. Serv. Carte géol. France*, ix. no. 60, pp. 1-232, figs., pls. i-vi. [Maps.] 1897.
- RIVÀ, C. Sulle Rocce paleovulcaniche del Gruppo del Adamello. [Abstract.] *Rendic. R. Ist. lomb.* ser. 2, xxix. p. 256. 1896.
- RIVIÈRE, É. Les Gravures sur Roche de la Grotte de la Mouthe (Dordogne). *C. R. Acad. Sci. Paris*, cxxiv. pp. 731-734. 1897.
- *— 2. La Grotte des Spélugues (Monaco). *C. R. Assoc. franç. Av. Sci.* 1896, xxv. pt. 2, pp. 305-316, figs. 1897.
- RIZPOLOGENSKI, R. Indicateur abrégé du Groupe de l'Étude des Sols au Musée de la Ville de Kazan. Pp. 1-30. 8vo. Kazan, 1897.
- ROBERT, W. Contribution à l'Étude des Minéraux suisses. *Bull. Soc. vaud. Sci. nat.* ser. 4, xxxii. 292-294. 1896.
- ROBERTS, R. W. B. Notes on Spotted Schist from Australia. *Journ. Liverpool Geol. Assoc.* xvi. pp. 13-14. 1896.
- ROBERTS, S. The Submarine Forest Bed at Maenporth, near Falmouth. *Trans. R. Geol. Soc. Cornwall*, xii. pp. 58-64. 1897.
- ROBERTSON, J. See BELL, D.
- ROBERTSON, M. See HARTLEY, W. N.
- ROBSON, J. T. See ATKINSON, J. B., &c.
- ROCCATI, A. Ricerche sulla Provenienza del Materiale roccioso della Collina di Torino. *Atti R. Accad. Sci. Torino*, xxxii. pp. 816-829. [Map, $\frac{1}{500,000}$] 1897.

- ROCKHILL, W. W. Diary of a Journey through Mongolia and Tibet in 1891 and 1892. Pp. 1-414, figs., 28 pls. [Map, 1 inch=32 miles.] 8vo. Washington, 1894.
- ROEMER, F. See FRENCH, F.
- ROGERS, A. W. Summary of Work in the South-western District. *Ann. Rep. Geol. Comm. Cape Colony*, i. pp. 13-14. 1897.
- See CORSTORPHINE, G. S.
- ROHN, K. Krystallklassen. *Sitz. u. Abh. nat. Gesellsch. 'Isis'*, 1896, Juli-Dec. *Abh.* pp. 72-82, pl. i. 1897.
- ROLLIER, L. Le Malm du Jura et du Randen. *Congrès géol. internat.* 1894, vi. pp. 332-342, tabs. i & ii. 1897.
- 2. Coup d'œil sur les Formes et les Relations orographiques que déterminent les Faciès du Malm dans le Jura. *Eclogæ Geol. Helv.* v. pp. 62-68, pl. i. 1897. [See CHOFFAT, P.]
- 3. Zur Kenntniss der tertiären Süswasserkalke. *N. J. f. Min.* 1897, i. pp. 212-216. 1897.
- ROMAN, F. Le Miocène dans la Région de Montpellier. *C. R. Soc. géol. France*, 1896, pp. xiii-xv. 1896.
- 2. Note sur le Bassin Miocène de Sommières (Gard). *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 771-779, figs. 1897; & *C. R. Soc. géol. France*, 1896, p. cclvii. 1896.
- 3. Feuille de Montpellier. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 95-97, fig. 1897.
- See PAQUIER, V.
- ROME, T. De l'Hydrographie souterraine dans les Terrains calcaires. *Bull. Soc. belge Géol. Brux.* 1895, ix. *Mém.* pp. 320-354, figs. 1896.
- RONALDSON, J. M. See ATKINSON, J. B. &c.
- RÖRDAM, K. Kridtformation i Sjælland i Terrænet mellem Köbenhavn og Køge, og paa Saltholm. *Dan. geol. Undersøg.* ser. 2, no. 6, pp. 1-152. 1897.
- & C. BARTHOLIN. Mindre Meddelelser. II. Om Forekomsten af Juraforsteninger i løse Blokke i Moræneler ved Köbenhavn. *Ibid.* ser. 2, no. 7, pp. 1-18, 1 pl. 1897.
- ROSE, T. K. The Klondyke Placers. *Nature*, lvi. pp. 615-616. 1897.
- ROSELL, R. G. Mineral de Cerro de Pasco. *Bol. Soc. Nac. Minería, Santiago*, ser. 3, ix. pp. 110-121, 168-179, 249-253, 289-298. 1897.
- ROSENBERG-LIPINSKY. — von. Die neuen Goldfunde zu Löwenberg in Preussisch-Schlesien. *Zeitschr. f. prakt. Geol.* 1897, pp. 156-158. 1897.
- 2. Neue Braunkohlenfunde in der Provinz Posen. *Ibid.* pp. 247-250. 1897.
- ROSENKJÆR, H. N. Iagttagelser fra en Rejse i Skaane. *Meddel. Dansk geol. Foren.* no. 3, pp. 95-100. 1896.
- ROSIWAL, A. Neue Untersuchungsergebnisse über die Härte von Mineralien und Gesteinen. *Verh. k.-k. geol. Reichsanst.* 1896, pp. 475-491. 1896.
- ROSSEL, A. Neue chemische Verbindungen hergestellt bei hohen Temperaturen und ihr Zusammenhang mit den modernen Anschauungen. [Diamond.] *Mitth. naturf. Gesellsch. Bern.* 1896, pp. 8-27, figs. 1897.
- ROSSIKOV, K. See KARAKASH, N.
- *—, & B. KOLENKO. Excursion zum Genal-Dongletscher. *Guide, VII. Congrès géol. internat.* 1897, no. 23, pp. 1-11, pls. A-B. 1897.
- ROTHPLETZ, A. Das Rheinthäl unterhalb Bingen. *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi. *Abh. ausserh.* pp. 10-39, figs., pls. i. & ii. 1896. And A.C.
- 2. Die Ueberschiebungen und ihre methodische Erforschung. *Congrès géol. internat.* 1894, vi. pp. 252-259. 1897.
- 3. Ueber die Fylsch-Fucoiden und einige andere fossile Algen, sowie über liasische, Diatomeen-führende Hornschwämme. *Zeitschr. deutsch. geol. Gesellsch.* 1896, xlvi. pp. 854-914, figs., pls. xxii-xxiv. 1897. And A.C.
- 4. Ueber den geologischen Bau des Glärnisch. *Ibid.* xlix. pp. 1-17, 1 pl. 1897. And A.C.
- ROUSSEL, J. Les Phénomènes du Contact du Granite de la Haute Vallée de l'Ariège et de celle de Mijanès (Ariège). *Bull. Serv. géol. France*, ix. no. 59, pp. 108-110, fig. 1897.
- ROUVILLE, P. G. DE. Note sur le Terrain tertiaire de la Région de Montpellier. *C. R. Soc. géol. France*, 1896, pp. xxviii-xxix. 1896.
- & A. DELAGE. Note sur les Terrains éocène et oligocène de la Région de Montpellier. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 714-729, fig. 1896.
- *ROVERETO, G. Sinonimie degli Ann. l'idi più frequentemente citati del Terziario d'Italia. *Riv. it. Paleont.* ii. pp. 323-325. 1896.
- 2. Sulla Stratigrafia della Valle del Neva (Liguria occidentale). *Boll. Soc. geol. ital.* xvi. pp. 77-91. 1897.

- ROWBOTHAM, J. MCK. Mineral Resources of the Argentine Republic. *Minutes of Proc. Inst. C. E.* cxviii. pp. 337-340. 1897.
- ROWE, A. W., & C. D. SHERBOEN. Excursion to Walmer, St. Margaret's, Dover, Folkestone, and Romney Marsh. *Proc. Geol. Assoc.* xv. pp. 97-101, figs. 1897.
- ROYER, A. LE. See DELEBECQUE, A.
- *RUDOLPH, E. Ueber submarine Erdbeben und Eruptionen. *Beitr. z. Geophys.*, Stuttgart, ii. pp. 537-666. 1895.
- *— 2. —. *Ibid.* iii. pp. 273-336, figs., pls. i. & ii. 1897.
- *— 3. Bericht über die vulcanischen Ereignisse während des Jahres 1894. *Min. petr. Mitth.* n. s. xvi. pp. 365-464. 1896.
- RUEDEMANN, R. Development and Mode of Growth of *Diplograptus*, McCoy. *Ann. Rep. N.Y. State Mus.* xlviii. pt. 2, pp. 217-258, pls. 1-v. 1896; & *Ann. Rep. N.Y. Geol. Surv.* xiv. pp. 217-249, pls. 1-v. 1897.
- *— 2. Evidence of Current Action in the Ordovician of New York. *Am. Geol.* xix. pp. 367-391, pl. xxii. [Map, Dolgeville District (N.Y.), 1 inch=16 miles.] 1897.
- *RUGEVIČH, K. Les Eaux minérales du Caucase. *Guide, VII. Congrès géol. internat.* 1897, no. 17, pp. 1-19, pls. A-C. [Map, Caucasus, N. of Mt. Elbruz.] 1897.
- See KARAKASH, N.
- RUPIN, E. Grottes de Roffy (Dordogne). *Spelunca*, ii. pp. 135-137, fig. 1896.
- *RUSSELL, I. C. Glaciers of North America. Pp. i-x, 1-210, figs., pls. i-xxii. [Map.] 8vo. Boston & London, 1897.
- 2. A Note on the 'Plasticity' of Glacial Ice. *Am. Journ. Sci.* ser. 4, iii. pp. 344-346. 1897.
- RUTOT, A. Note sur quelques Points nouveaux de la Géologie des Flandres. *Bull. Soc. belge Géol. Brux.* 1895, ix. *Mém.* pp. 289-319. 1895.
- 2. Les Origines du Quaternaire de la Belgique. *Ibid.* xi. *Mém.* pp. 1-140, figs., pl. i. [Map, ¹/_{400,000}"] 1897.
- 3. Asschien et Tongrien. *Bull. Soc. belge Géol. Brux.* 1895, ix. *Proc. verb.* pp. 112-113. 1896.
- , & E. VAN DEN BROECK. Lecture d'Extraits des principaux Traités de Géologie et d'Hydrologie, fournissant l'Opinion des Maîtres de la Science sur la Question de l'Hydrologie des Calcaires. *Ibid.* pp. 165-171. 1897.
- RZEHA, A. Ein neuer Fund von Conchylien im karpathischen Alttertiär Mährens. *Verh. k.-k. geol. Reichsanst.* 1897, pp. 199-201. 1897.
- SABASHNIKOV, T., & E. D. LEVAT. Les Placers aurifères de la Sibérie orientale. *Rev. sci. Paris*, ser. 4, vii. pp. 513-528, figs. 1897.
- SABATINI, V. Relazione del Lavoro eseguito nell' Anno 1895 sui Vulcani dell' Italia centrale el oro Prodotti. *Boll. R. Com. geol. Ital.* xxvii. pp. 400-405. 1896.
- 2. Sulla Geologia dell' Isola di Ponza. *Boll. Soc. geol. ital.* xv. pp. 384-414, figs. 1896.
- *— 3. Ueber die Geologie der Ponzainsel. *Min. petr. Mitth.* n. s. xvi. pp. 530-535. 1897.
- See SCHNEIDER, C. C.
- SACCO, F. Essai sur l'Orogénie de la Terre. *Bull. Soc. belge Géol. Brux.* 1895, ix. *Proc. verb.* pp. 113-115. 1896.
- 2. —. [Abstract.] Pp. 1-4; 2 maps. 8vo. Turin, 1897. A.C.
- 3. Sur la Classification des Terrains tertiaires. *Congrès géol. internat.* 1894, vi. pp. 309-320. 1897.
- *— 4. Novità malacologiche [*Pleurotomaria*, *Loxotoma*, *Fusimorio*, *Trochoerithium*, *Oocorys*, *Tornatellæa*, *Pseudavena*, *Acrocolpus*, *Sulcomarinula*, *Siphonaria*, *Coccodentalium*. (Not figured.)] *Riv. ital. Paleont., Parma*, iii. pp. 24-27. 1897.
- SADLER, B. The Occurrence and Treatment of certain Gold Ores of Park County, Colorado. *Trans. Am. Inst. M. E.* xxvi. pp. 848-853. 1897.
- SADTLER, S. P. The Genesis and Chemical Relations of Petroleum and Natural Gas. *Proc. Am. Phil. Soc.* xxxvi. pp. 93-102. 1897.
- SAHLBOM, N. Analysen einiger Ganggesteine aus dem Nephelinsyenitgebiete der Insel Alnö. [Nephelinite, Monchiquite, lolite-porphyr, Alnoite.] *N. J. f. Min.* 1897, pp. 97-101. 1897.
- SALATHÉ, F. Petroleum; its Origin in California,—its Composition and Chemical Nature,—&c. *Rep. Cal. Mining Bur.* xiii. pp. 656-661. 1896.
- See WATTS, W. L.

- SALISBURY, R. D. Loess in the Wisconsin Drift Formation. *Journ. Geol. Chicago*, iv. pp. 929-937. 1896.
- 2. Stratified Drift. *Ibid.* pp. 948-970. 1896.
- , & W. W. ATWOOD. Drift Phenomena in the Vicinity of Devil's Lake and Baraboo, Wisconsin. *Ibid.* v. pp. 131-147, figs. 1897.
- SALMAJRAGHI, F. Di un Giacimento di Calcare eocenico a Oneda in Prov. di Milano. *Rendic. R. Ist. lomb.* ser. 2, xxix. pp. 913-920. 1896.
- SALOMON, W. Sur l'Âge des Roches granitiques périadriatiques. *C. R. Soc. helv. Sci. nat.* 1896, pp. 140-147. 1896.
- 2. Ueber das Alter der periadriatischen granitischkörnigen Massen. *Ecloga Geol. Helv.* v. pp. 33-38. 1897.
- 3. Geologisch-petrographische Studien im Adamellogebiet. *Sitz. k.-preuss. Akad. Wissensch. Berlin*, 1896, pp. 1033-1048. 1896.
- *— 4. Ueber Alter, Lagerungsform und Entstehungsart der periadriatischen granitischkörnigen Massen. *Min. petr. Mitth.* n. s. xvii. pp. 109-284, figs. [Map, $\frac{1}{2,000,000}$]. 1897.
- 5. Gequetschte Gesteine des Mortirolo-Thales. *N. J. f. Min.* xi. Beilage-Band, pp. 355-402, pl. xii. 1897.
- SÁNCHEZ, P. C. See AGUILERA, J. G.
- SAPPER, C. Geology of Chiapas, Tabasco, and the Peninsula of Yucatan. *Journ. Geol. Chicago*, iv. pp. 938-947, figs. [Maps.] 1896.
- *— 2. Vulkane in Salvador und Südost-Guatemala. [Maps.] *Peterm. Mitth.* xliii. pp. 1-7, pl. i. [Map, $\frac{1}{10,000}$]. 1897.
- *— 3. Ueber Erderschütterungen in der Republik Guatemala in den Jahren 1895 und 1896. *Zeitschr. deutsch. geol. Gesellsch.* xlix. pp. 201-202. 1897.
- SARASIN, C. Sur le Genre *Hoplites*. *C. R. Soc. helv. Sci. nat.* 1896, p. 114. 1896.
- SARAUW, G. F. L. Cromer-Skovlaget i Frihavnen og Trælevningerne i de ravførende Sandlag ved København. *Meddel. Dansk geol. Foren.* no. 4, pp. 17-44. 1897.
- *SARDESON, F. W. The Galena and Maquoketa Series. [Trenton & Hudson River Groups. *Orthis.*] Pt. i. *Am. Geol.* xviii. pp. 356-368. 1896. Pt. ii. *Ibid.* xix. pp. 21-35; Pt. iii., pp. 91-111; Pt. iv., pp. 180-190. 1897.
- *— 2. Nomenclature of the Galena and Maquoketa Series. *Ibid.* pp. 330-336. 1897.
- *— 3. On *Streptelasma profundum* (Owen), *S. corniculum* (Hall). *Ibid.* xx. pp. 277-292, pls. xvi & xvii. 1897.
- SAUNDERS, H. P. Bibliography of South African Geology. Parts I. & II. Pp. 1-58. *Geol. Comm. Cape Colony.* (8vo.) 1897.
- 2. Report of Sub-Committee on Deep Artesian Wells. *Ann. Rep. Geol. Comm. Cape Colony*, i. p. 30. 1897.
- SAUVAGE, H. E. Les *Ischyodus* des Terrains jurassiques supérieurs du Boulonnais. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 456-465, pls. xxi & xxii. 1896.
- 2. Les Crocodiliens et les Dinosauriens des Terrains mésozoïques du Portugal. *C. R. Soc. géol. France*, 1896, pp. xxix-xxxi. 1896.
- SAWYER, A. R. The South Rand Coalfield. *Coll. Guard.* lxxiv. p. 574. 1897.
- 2. Notes on the Extension of the Main Reef westwards of Witpoortje. *Trans. Geol. Soc. S. A.* ii. pp. 34-36, pl. 1897.
- 3. Notes on Bezuidenville Borehole. *Ibid.* p. 38. 1897.
- SAYN, G. Sur la Faune des Marnes valanginiennes à Fossiles pyriteux du Sud-est de la France. *Bull. Soc. géol. France*, ser. 3, xxiii. pp. 832-833. 1895.
- See DEPÉRET, C.
- SCHAFARZIK, F. Die geologischen Verhältnisse der Umgebung von Korniareva. *Jahresb. k.-ung. geol. Anst.* 1894, pp. 94-104. 1897.
- 2. Am Ende des Millenniumsjahres. IV. Die Steinindustrie. V. Bodenuntersuchungen und Bodenproben. VI. Balneologie. VII. Wissenschaftliche Hilfsmittel. *Földt. Közl.* xxvii. pp. 177-240, 245-271. 1897. [See STAUB, M.]
- *SCHALCH, F. Der braune Jura (Dogger) des Donau-Rheinzuges nach seiner Gliederung und Fossilführung, I. *Mitth. badisch. geol. Landesanst.* iii. pp. 527-618, figs. 1897.
- SCHARDT, H. Nouveaux Gisements de Terrain cénomancien et de Gault dans la Vallée de Joux. *C. R. Soc. helv. Sci. nat.* 1895, pp. 90-92. 1895.
- 2. L'Âge de la Marne à Bryozoaires et la Coupe du Néocomien du Collaz près Ste.-Croix. *Ibid.* pp. 94-98. 1895.
- 3. Compte-rendu sur l'Excursion X au travers des Alpes de la Suisse occidentale. *Congrès géol. internat.* 1894, vi. pp. 473-518, figs. 1897.

- SCHARDT, H. 4. Remarques sur la Géologie des Préalpes de la Zône Chablais-Stockhorn. *Eclogæ Geol. Helv.* v. pp. 44-45. 1897.
- See FAVRE, E.
- , & E. BAUMBERGER. Ueber die Entstehung der Hauterivientaschen im Untern Valangien zwischen Ligerz und Biel, Berner Jura. *Eclogæ Geol. Helv.* v. pp. 159-201, figs. 1897.
- , & L. DU PASQUIER. Revue géologique pour 1895. *Ibid.* pp. 77-158. 1897. And A.C.
- SCHARFF, R. F. On the Origin of the European Fauna. *Proc. Roy. Irish Acad.* ser. 3, iv. pp. 427-514, figs. [Maps.] 1897.
- SCHEIBE, R. Bericht über die geologische Aufnahme des Blattes Brotterode. *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi. pp. Ixvii-xciii. pl. vii. [Map, Winterstein, $\frac{1}{50,000}$] 1896.
- SCHERING, K. See CHELIUS, C., &c.
- SCHIÖTZ, O. E. Om de af Dr. Reusch i Östfinmarken iagttagne präglaciale Skuringsmerker. *Nyt Mag. Naturvid.* xxxvi. pp. 1-12. 1897.
- SCHLÜTER, C. Ueber einige von Goldfuss beschriebenen Spatangiden. *Zeitschr. deutsch. geol. Gesellsch.* 1896, xlvi. pp. 963-975. 1897.
- 2. Ueber einige exocyclische Echiniden der baltischen Kreide und deren Bett. *Ibid.* xlix. pp. 18-50, pls. i. & ii. 1897.
- *SCHMIDT, A. Erdmagnetismus und Erdgestalt. *Beitr. z. Geophys., Stuttgart*, ii. pp. 197-210. 1895.
- *— 2. Die Aberration der Lothlinie. *Ibid.* iii. pp. 1-15, figs. 1896.
- 3. Bericht über die vom 1. März 1896 bis 1. März 1897 in Württemberg und Hohenzollern beobachteten Erdbeben. *Jahresh. Ver. Naturk. Württ.* liii. p. 229. 1897.
- 4. Wellen und Gezeiten des Festlandes. *Ibid.* pp. 230-241. 1897.
- See BRANCO, W.
- SCHMIDT, A. Am Ende des Millenniumsjahres. III. Der Bergbau im Jahre 1896 auf der Millenniums-Ausstellung zu Budapest. *Földt. Közl.* xxvii. pp. 15-63, 121-171, figs. 1897. [See STAUB, M.]
- SCHMIDT, C. Géologie de Zermatt et sa Situation dans le Système alpin. *C. R. Soc. helv. Sci. nat.* 1895, pp. 76-82. 1895.
- 2. Sur la Géologie de la Région du Simplon. *Ibid.* 1895, pp. 82-90. 1895.
- 3. Sur la Géologie du Buochserhorn et des Mythen. *Ibid.* 1896, pp. 112-113, 1896.
- 4. Ueber die neue geologische Uebersichtskarte der Schweiz $\frac{1}{500,000}$. *Congrès géol. internat.* 1894, vi. pp. 352-360. 1897.
- 5. Bericht über die Excursion IV, in der Umgebung von Basel und im Aargauer Jura. *Ibid.* pp. 400-405. 1897.
- 6. Bericht über die Excursion VIII, durch die Centralen Schweizeralpen vom Rothkreuz bis Lugano. *Ibid.* pp. 446-453. 1897.
- 7. Zur Geologie der Alta Brianza. *Ibid.* pp. 503-518, pl. iii. 1897.
- *SCHMIDT, F. Excursion durch Estland. *Guide, VII. Congrès géol. internat.* 1897, no. 12, pp. 1-21, figs. 1897.
- *— 2. Kurze Uebersicht der Geologie der Umgebung von St. Petersburg. *Ibid.* no. 34, pp. 1-14, figs., 1 pl. [Map, 1 inch=10 kilom.] 1897.
- SCHMITZ, E. J. Copper Ores in the Permian of Texas. *Trans. Am. Inst. M. E.* xxvi. pp. 97-108, figs. 1897.
- SCHMITZ, G. Un Banc à Troncs-debout aux Charbonnages du Grand-Bac, Sclessin (Liège). *Bull. Acad. Roy. Belg.* ser. 3, xxxi. pp. 260-266, 1 pl. 1896.
- 2. The Manner of Coal Formation. *Coll. Guard.* lxxiv. p. 602. 1897.
- SCHMUTZ, K. B. Experimentelle Beiträge zur Petrogenie. *N. J. f. Min.* 1897, ii. pp. 124-155, pl. iii. 1897.
- *SCHNEIDER, C. C. Erwiderung auf Sabatini's: 'Ueber die Geologie der Ponzainsel.' *Min. petr. Mitth.* xvii. pp. 374-383. 1897.
- SCHOTENSACK, O. See NÜESCH, J., &c.
- SCHRÖDER, E. See MUTHMANN, W.
- SCHRÖDER VAN DER KOLK, J. L. C. Beiträge zur Kartirung der quartären Sande. *Zeitschr. deutsch. geol. Gesellsch.* 1896, xlvi. pp. 773-807, 4 pls. 1897.
- SCHULTEN, A. DE. Sur la Production artificielle de la Laurionite et de Composés isomorphes avec celle-ci. *Bull. Soc. franc. Min.* xx. pp. 186-191. 1897.
- 2. Sur la Production artificielle à la Température ordinaire de la Phosgénite et de la Phosgénite bromée. *Ibid.* xx. pp. 191-193. 1897.

- SCHULTEN, A. DE. 3. Production artificielle simultanée de la Laurionite, de la Phosgénite et de la Cérusite. *Ibid.* pp. 194-195. 1897.
- 4. Sur la Production des Carbonates cristallisés de Cadmium et de Manganèse (Diallogite artificielle). *Ibid.* pp. 195-198. 1897.
- 5. Synthèse de la Hauksite. *C. R. Acad. Sci. Paris*, cxiii. pp. 1325-1327. 1897.
- SCHUSTER, A. On Lunar and Solar Periodicities of Earthquakes. *Proc. Roy. Soc.* lxi. pp. 455-465. 1897.
- SCHÜTZENBERGER, —, & — BOUDOUARD. Researches on the Earths contained in the Monazite Sands. *Chem. News*, lxxv. pp. 205-206. 1897.
- SCHWARZ, E. H. L. Geological Survey of Beaufort West District. *Ann. Rep. Geol. Comm. Cape Colony*, i. pp. 15-26. [Map, Dolerites of the Eastern Nieuweveld, 1 inch=1'878 miles.] 1897.
- 2. Summary of Work in the Tulbagh and Worcester Area. *Ibid.* pp. 27-29. 1897.
- SCLATER, P. L. On the Distribution of Marine Mammals. *Geol. Mag.* dec. 4, iv. pp. 265-274. 1897.
- SCLATER, W. L. The Geography of Mammals. *Geogr. Journ.* ix. pp. 67-76, & x. pp. 85-91. [Map]. 1897.
- SCOBLE, T. C. The Natural Resources of the Country between Winnipeg and Hudson's Bay: Our Northern Outlet. *Proc. Canad. Inst. n. s.* i. pp. 17-18. 1897.
- SCOFIELD, W. H. See WINCHELL, N. H., &c.
- SCOTT, D. H. On *Cheirostrobos*, a new Type of Fossil Cone from the Calciferous Sandstones. *Proc. Roy. Soc.* lx. pp. 417-424. 1897.
- *SCOTT, W. B. An Introduction to Geology. Pp. i-xxviii, 1-573, figs., pls. i-x. 8vo. New York, 1897.
- See ATKINSON, J. B., &c.
- *SCOVELL, J. T. Kettle Holes near Lake Maxinkuckee. *Proc. Indiana Acad. Sci.* 1895, pp. 55-56. 1896.
- 2. Geology of Vigo County (Ind.). *Ann. Rep. Dep. Geol. &c., Indiana*, xxi. 1896, pp. 507-576. Map. 1897.
- SEDERHOLM, J. J. Några Ord om södra Finlands prekvartära Geologi. *Fennia*, xii. no. 3, pp. 1-32. 1896.
- 2. Exposé des Travaux géographiques exécutés en Finlande jusqu'en 1895. *Ibid.* xiii. no. 1, Géologie, pp. 24-31. 1896.
- 3. Upplysningar som bifogats Katalogen öfver geologiska Kommissioners Utställning på allmänna ryska Handels- och Industri-Expositionen i Nischnij-Novgorod, Sommaren 1896. *Meddel. Industristyr. Finland*, xxv. pp. 1-33. 1896.
- 4. Berättelse om Fortgången af Finlands geologiska Undersökning År 1893, jemt Förslag till Arbetsfält och Stat för 1894. *Ibid.* xxv. pp. 61-84. 1896.
- 5. — 1894, — 1895. *Ibid.* pp. 135-158. 1896.
- 6. — 1895, — 1896. *Ibid.* pp. 85-102. 1896.
- 7. Om Indelningen af de Prekambriska Formationerna i Sverige och Finland och om Nomenklaturen för dessa äldsta Bildningar. *Geol. Fören. Stockh. Förh.* xix. pp. 20-53. 1897.
- 8. Distribution des Dépôts quaternaires de Finlande. [Map, $\frac{1}{2,000,000}$] Helsingfors, 1897.
- 9. Geologische Uebersichtskarte von Finland u. den angrenzenden Landtheilen. $\frac{1}{2,000,000}$, Helsingfors. 1897.
- See RAMSAY, W., &c.
- *—, & W. RAMSAY. Les Excursions en Finlande. *Guide, VII. Congrès géol. internat.* 1897, no. 13, pp. 1-22, figs. & map, $\frac{1}{6,300,000}$, also map, Island of Högländ. 1897.
- SEELEY, H. G. On the Skull of the South African Fossil Reptile *Diademodon*. *Rep. Brit. Assoc.* 1896, lxxvi. p. 805. 1896.
- 2. Note on examples of Current-Bedding in Clays. *Ibid.* pp. 805-806. 1896.
- 3. On *Ceratodus Kannemeyeri*. *Geol. Mag.* dec. 4, iv. pp. 543-544, fig. 1897.
- SEELY, H. M. See BRAINERD, E., &c.
- SEGERCRANTZ, W. Några Forkomster af postglacialt Skalgur i Finland. *Fennia*, xii. no. 8, pp. 1-6. 1896.
- SEMPER, M. Einige Mittheilungen zu Fave's Hypothese über die Entstehung des Sonnensystems. *Zeitschr. deutsch. geol. Gesellsch.* xlvi. pp. 653-684. 1896.
- SEUNES, J. Hautes- et Basses-Pyrénées. *Bull. Serv. géol. France*, ix. no. 59, pp. 111-113. 1897.
- See CAREZ, L.; see STUART-MENTEATH, P. W.

- SEWARD, A. C. A New Species of Conifer, *Pinites Ruffordi*, from the English Wealden Formation. *Journ. Linn. Soc., Botany*, xxxii. p. 417. 1896. A.C.
- 2. Note on some Fossil Plants from South Africa. *Rep. Brit. Assoc.* 1896, lxvi. p. 807. 1896.
- 3. Contributions to Knowledge of *Lyginodendron*. *Ann. Bot.* xi. pp. 65–86. 1897. A.C.
- 4. A New Fossil Cycad from the Isle of Portland. [Abstract.] *Geol. Mag.* dec. 4. iv. pp. 313–319, pls. xiii. & xiv. 1897.
- 5. On the Leaves of *Bennettites*. *Proc. Camb. Phil. Soc.* ix. pp. 273–277. 1897. A.C.
- 6. On *Cycadeoidea gigantea*, a new Cycadean Stem from the Purbeck Beds of Portland. *Q. J. G.* s. liii. pp. 22–39, figs., pls. i–v. 1897.
- 7. On the Association of *Sigillaria* and *Glossopteris* in South Africa. *Ibid.* pp. 315–338, figs., pls. xxi–xxiv. 1897. [See DRAPER, D.] And A.C.
- *— 8. The *Glossopteris* Flora. *Sci. Progr.* n. s. i. pp. 178–201. 1897.
- SHALER, N. S. Conditions and Effects of the Expulsion of Gases from the Earth. *Proc. Boston Soc. Nat. Hist.* xxvii. pp. 89–106. 1896.
- SHANNON, W. P. Wave Marks on Cincinnati Limestone. *Proc. Indiana Acad. Sci.* 1894, pp. 53–54. 1895.
- SHATTUCK, G. B. See CLARK, W. B.
- SHEPHERD, P. G. The Principles of Geology as deduced from a Study of the Sedimentary Formations in South Africa. Pp. 1–34. 8vo. London, 1897.
- SHEPPARD, T. Bibliography of Papers referring to the Geology, etc., of the East of Yorkshire and North Lincolnshire, 1895. *Trans. Hull Geol. Soc.* iii. pp. 25–27. 1896. A.C.
- 2. Notes on *Elephas antiquus* and other Remains from the Gravels at Elloughton, near Brough, East Yorkshire. *Proc. Yorks. Geol. Soc.* xiii. pp. 221–231, pl. xxxviii. 1896. A.C.
- 3. Notes on the Ice-borne Blocks of Shap Granite, etc., found in Lincolnshire. *Lincolns. Notes & Queries*, 1897 (9 pp.). 1897. A.C.
- . See MUFF, H.
- *SHERBORN, C. D. The Literature of Fossil Ostracods. *Nat. Sci.* x. pp. 181–183. 1897.
- . See ROWE, A. W.
- SHIRLEY, J. On *Baiera* (or *Jeanpaulia*) *bidens*. *Proc. Roy. Soc. Queensl.* xii. (3 pp.) pls. v. & vi. 1897. A.C.
- 2. Two new Species of *Pterophyllum*. *Ibid.* (2 pp.) pls. vii. & vii a. 1897. A.C.
- SHORE, T. W. The Clays of Hampshire and their Economic Uses. *Proc. Hants F. C.* 1890, pp. 23–45, pls. i. & ii. 1890. A.C.
- 2. Hampshire Mudlands and other Alluviums. *Ibid.* 1893, pp. 181–200. 1893. A.C.
- , & J. W. ELWES. The New Dock Excavation at Southampton. *Proc. Hants F. C.* 1889, pp. 43–56, 1 pl. 1889. A.C.
- SHUFELDT, R. W. Fossil Bones of Birds and Mammals from Grotto Pietro Tamponi and Grive St.-Alban. *Proc. Acad. Nat. Sci. Philad.* 1896, pp. 507–516, pl. xxiv. 1897.
- SHUTT, F. T. On the Composition of certain Canadian Virgin Soils. *Chem. News*, lxxvi. pp. 185–186, 214–216, 224–225. 1897.
- SIBIRTZEV, N. Étude des Sels de la Russie. *Congrès géol. internat. Mém.* no. 5, pp. 1–125. 2 tables & 1 map, 1 inch = 500 kilom. 1897.
- SIEBENTHAL, C. E. See HOPKINS, T. C.
- SIEGER, R. Formation des Causses dans les Glaciers (Karstformen der Gletscher). *C. R. Soc. helv. Sci. nat.* 1895, pp. 92–94. 1895.
- *SIEVERS, J. Uebersichtskarte der Berg- und Hüttenwerke im Oberbergamts-Bezirk Dortmund. $\frac{1}{80,000}$ 8th ed. Leipzig, 1897.
- SIMIONESCU, J. Die Barrèmetauna im Quellgebiete der Dimbovicioara (Rumanien). *Verh. k.-k. geol. Reichsanst.* 1897, pp. 131–134. 1897.
- *SIMONDS, F. W. Floating Sand: an Unusual Mode of River Transportation. *Am. Geol.* xvii. pp. 29–37. 1896.
- *— 2. Professor CH. FRED. HARTT, M.A.—A Tribute. [South America.] *Ibid.* xix. pp. 69–90, pl. iii. 1897.
- SIMONELLI, V. Appunti sopra la Fauna e l'Età dei Terreni di Vigoleno (Prov. di Piacenza). *Boll. Soc. geol. ital.* xv. pp. 325–340, figs. 1896.
- *— 2. Antozoi neogenici del Museo parmense. *Palaeontographia italica*, 1896, ii. pp. 185–202, pl. xxiii. 1897.

- *SIMONOVICH, S. De Souram à Koutaïs par le Chemin de Fer transeucasien. *Guide, VII. Congrès géol. internat.* 1897, no. 25, pp. 1-12, figs. 1897.
- 2. Excursion à Tkwibouli. *Ibid.* no. 25a, pp. 1-5, figs. 1897.
- * — 3. Les Environs de Koutaïs et la Vallée de la Rivière Rion entre Koutaïs et l'Arête Mamisson. *Ibid.* no. 27, pp. 1-23, figs. 1897.
- SIMPSON, G. B. A Handbook of the Genera of the North American Palaeozoic Bryozoa; with an Introduction upon the Structure of Living Species. *Ann. Rep. N.Y. Geol. Surv.* xiv. pp. 403-669, figs., pls. i-xxv. 1896; & *Ann. Rep. N.Y. State Mus.* xlviii. pt. 2, pp. 403-669, figs., pls. i-xxv. 1896.
- SIMPSON, G. P. See BRADY, F.
- SINTZOV, —. Ordre de Succession des Dépôts géologiques de la Ville d'Odessa. Pp. 1-4. 8vo. Odessa, 1897.
- SJÖGREN, H. Kainosit från Kogruvfvan på Nordmarksälftet. *Geol. Fören. Stockh. Förh.* xix. pp. 54-60. 1897.
- 2. Om några Slamvulkanutbrott i Kaspiska Regionen under Åren 1892-96. *Ibid.* p. 91. 1897.
- 3. Om Retzian och dess Sammansättning. *Ibid.* pp. 106-112. 1897.
- 4. Om Boulangeritens Kristallform och kemiska Sammansättning. *Ibid.* pp. 153-167. 1897.
- SKERTCHLY, S. B. J. Report on the Deep (Tin) Lead at Herberton. *Rep. Geol. Surv. Queensl.* no. 115, pp. 1-15, pls. i-v. [Map, 1 inch = 40 chains.] 1896.
- 2. Report on the Tin Mines of Watsonville. *Ibid.* no. —, pp. 1-64, figs., pls. i-xviii. [Map, 1 inch = 2 miles, & others.] 1897.
- SKEWES, E. The Ore-Shoots of Cripple Creek. *Trans. Am. Inst. M. E.* xxvi. pp. 553-580, figs. 1897.
- SLEE, W. H. J. Diamond Drills' Report. [Funafuti Island.] *Ann. Rep. Dep. Mines N.S.W.* 1896, pp. 60-62, 8 pls. N.S.W. Borings. 1897.
- SMALL, E. W. See HOWARD, F. T.
- SMITH, C. H., JUN. The Genetic Relations of certain Minerals of Northern New York. *Trans. N.Y. Acad. Sci.* xv. pp. 260-270. 1896.
- 2. Pseudomorphs from Northern New York. *Am. Journ. Sci.* ser. 4, iv. pp. 309-312. 1897.
- *SMITH, E. A., & A. W. VOGDES. Sketch of the Life of MICHAEL TUOMEY. *Am. Geol.* xx. pp. 205-212, pl. xiv. 1897.
- SMITH, F. C. The Occurrence and Behaviour of Tellurium in Gold Ores, more particularly with Reference to the Potsdam Ores of the Black Hills, South Dakota. *Trans. Am. Inst. M. E.* xxvi. pp. 485-515, figs. 1897.
- SMITH, G. The Ore-Deposits of the Australian Broken Hill Consols Mine, Broken Hill (N.S.W.). *Trans. Am. Inst. M. E.* xxvi. pp. 69-78, fig. 1897.
- SMITH, J. From the Doon to the Girvan Water, along the Carrick Shore. *Trans. Geol. Soc. Glasgow.* x. pp. 1-12, pl. i. 1895.
- 2. On a Section of Carboniferous Strata near Giffen Station (Ayrshire). *Ibid.* pp. 25-28, fig. 1895.
- 3. The Geological Position of the Irvine Whale Bed. *Ibid.* pp. 29-50, pl. ii. 1895.
- 4. On an Alleged Bed of Shells at High Molmont, near Galston, between 400 and 500 feet above Sea-level. *Ibid.* pp. 58-60. 1895.
- 5. On a Bed of Fossil Plants, and one of Limestone with Magnesia, in the Calciferous Sandstone Series, at Meikle Busbie, near Ardrossan. *Ibid.* pp. 129-132. 1895.
- 6. On a Bed of Ironstone occurring in Trap Tuff in the Parishes of Stevenston, Dalry, and Kilwinning. *Ibid.* pp. 133-136. 1895.
- 7. On a Mineral in a Fumarole at Auchenharvie Castle. *Ibid.* pp. 137-138, figs. 1895.
- 8. A New View of the Arran Granite Mountains. *Ibid.* pp. 216-262, figs., pl. v. [Map, Arran Granite Area.] 1896.
- 9. On the Discovery of Fossil Microscopic Plants in the Fossil Amber of the Ayrshire Coalfield. *Ibid.* pp. 318-322, pl. vii. 1896.
- 10. Dry River Channels in the Neighbourhood of Muirkirk. *Ibid.* pp. 331-333, fig. 1896.
- 11. On the Occurrence of Pumice Pebbles in the Raised Beaches of Ayrshire. *Ibid.* pp. 349-353. 1896.
- 12. On the Discovery of Marine Shells in the Drift Series at High Levels in Ayrshire, N.B. *Rep. Brit. Assoc.* 1896, lxvi. pp. 799-800. 1896.
- SMITH, J. P. Marine Fossils from the Coal Measures of Arkansas. With Preface by J. G. BRANNER. *Proc. Am. Phil. Soc.* xxxv. pp. 213-285, pls. xvi-xxiv. 1896. And A.C.

- SMITH, J. P. 2. Comparative Study of Palæontogeny and Phylogeny. *Journ. Geol. Chicago*, v. pp. 507-524, pl. A. 1897.
- SMYTH, H. L. Magnetic Observations in Geological Mapping. *Trans. Am. Inst. M. E.* xxvi. pp. 640-709, figs. 1897.
- SOKOLOV, N. Recherches hydro-géologiques, dans le District Alexandrovsk, Gouvernement d'Iekaterinoslav. *Bull. Com. géol. Russie*, 1896, xv. pp. 157-188. 1897.
- 2. Recherches géologiques dans la Partie nord du Rayon métallifère de Krivoë-Rog et le long de la Rivière Joltaïa. *Ibid.* pp. 201-223, fig. [Map, 1 inch = 5 versts.] 1897.
- *—, & P. ARMASHEVSKI. Excursion au Sud de la Russie. *Guide, VII. Congrès géol. internat.* 1897, no. 21, pp. 1-40, figs., pls. A-E. [Map.] 1897.
- , & W. ТОПОРОВ. Hydrogeologische Untersuchungen im Gouvernement Cherson. *Mém. Com. géol. Russie*, xiv. no. 2, pp. i-viii, 1-296. [Map, 1 inch = 20 versts.] 1896.
- *—, & T. ТЧЕРНЫШЕВ. De Koursk au Bassin du Donetz et la Ville de Kharkow. *Guide, VII. Congrès géol. internat.* 1897, no. 15, pp. 1-3. 1897.
- SOLLAS, W. J. Structure of a Coral Reef. [Funafuti.] *Rep. Brit. Assoc.* 1896, lxvi. pp. 377-378. 1896.
- 2. Report on the Coral Reef at Funafuti (Ellice Group). *Nature*, lv. pp. 373-377, figs. 1897.
- 3. Report to the Committee of the Royal Society appointed to investigate the Structure of a Coral Reef by Boring. *Proc. Roy. Soc.* lx. pp. 502-512, figs. [Map.] 1897.
- *SOLMS-LAUBACH, COUNT H. Ueber die seinerzeit von Unger beschriebenen strukturbietenden Pflanzenreste des Unterculm von Saalfeld in Thüringen. *Abh. k.-preuss. geol. Landesanst.* n. s. no. 23, pp. 1-100, pls. i-v. 1896.
- SOMERVAİL, A. On the Absence of Small Lakes or Tarms from the Area of Dartmoor. *Trans. Devon. Assoc.* xxix. pp. 386-389. 1897.
- SOREİL, G. Note sur la Faune du Marbre noir de Denée. *Ann. Soc. géol. Belg. Liège*, xxii. pp. lxxvii-lxxxi. 1897.
- SOUZA-BRANDÃO, V. DE. Noch ein Wort über die bedingte Rationalität einer dreizähligen Symmetrieaxe. *Zeitschr. f. Kryst.* xxvii. pp. 545-555. 1897.
- SPENCER, L. J. The 'Satin Spar' of Alston in Cumberland; and the Determination of massive and fibrous Calcites and Aragonites. *Min. Mag.* xi. pp. 184-187. 1897.
- 2. Zinckenite and Wolfsbergite (Chalcostibite) from Wolfsberg in the Harz; and the Zinckenite Group. *Ibid.* pp. 188-191. 1897.
- 3. The Crystallography of Plagionite: new Crystal Forms on Stephanite, Enargite, and Anglesite. *Ibid.* pp. 192-197. 1897.
- *SPEZIA, G. Sull' Acqua di Cava. *Rev. Min. e Crist. ital. Padova*, xvii. pp. 65-74. 1897.
- SPIREK, V. Das Zinnobererzvorkommen am Monte Amiata. *Zeitschr. f. prakt. Geol.* 1897, pp. 369-374, figs. 1897.
- *SPLIETH, W. Ueber vorgeschichtliche Alterthümer Schleswig-Holsteins, mit besonderer Berücksichtigung ihrer Beziehung zu der Geologie des Landes und ihrer mineralogischen Eigenschaften. *Arch. f. Anthr. & Geol. Schleswig-Holsteins*, ii. pp. 129-185, figs. 1897.
- SPRINGER, F. See WACHSMUTH, C.
- STACHE, G. Jahresbericht. *Verh. k.-k. geol. Reichsanst.* 1897, pp. 1-52. 1897.
- *STAHL, A. F. Zur Geologie von Persien. Geognostische Beschreibung des nördlichen und Central-Persien. *Peterm. Mitth. Ergänzungsheft*, no. 122, pp. 1-72, pls. 1-4 [maps, $\frac{1}{500,000}$]. 1897.
- STAINIER, X. Matériaux pour la Faune du Houiller de Belgique. *Bull. Soc. belge Géol. Brux.* 1895, ix. *Mém.* pp. 416-526. 1897.
- 2. Un Dépôt d'Argile plastique d'Andenne à Laroche (Ardenne). *Ibid.* 1895, ix. *Proc.-verb.* pp. 178-181, figs. 1897.
- STANGE, P. Das Tenothal und der Peterovulkan. *Verh. deutsch. wissensch. Ver. Santiago*, iii. pp. 313-323. 1896.
- STANLEY, S. S. The Origin of Gravel Beds, illustrated in some Local Drifts. *Proc. Warwick. Field Club*, 1896, pp. 15-19. 1897.
- STANTON, T. W. A Comparative Study of the Lower Cretaceous Formations and Faunas of the United States. *Journ. Geol. Chicago*, v. pp. 579-624. 1897.
- , & F. H. KNOWLTON. Stratigraphy and Palæontology of the Laramie and related Formations in Wyoming. *Bull. Geol. Soc. Am.* viii. pp. 127-156. 1897.

- *STAPFF, F. M. Ueber die Zunahme der Dichtigkeit der Erde nach ihrem Inneren. *Beitr. z. Geophys. Stuttgart*, ii. pp. 1-24. 1894.
- STATHER, J. W. The Speeton Clay and some Correlative Beds. *Trans. Hull Geol. Soc.* iii. pp. 17-24, figs. [Map, Yorkshire & Lincolnshire Wolds, 1 inch = 18 miles.] 1897.
- , P. DAVIS, F. F. WALTON, &c. Report of the East Riding Boulder Committee, 1896. *Ibid.* pp. 6-9. 1897.
- STAUB, M. Die Fossilen *Ctenis*-Arten und *Ctenis hungarica*, n. sp. *Földt. Közl.* xxvi. pp. 331-339 & 336-374, fig., pl. viii. 1896.
- , Am Ende des Millenniumsjahres. I. Vorwort. [Review of Hungarian Geology, Mining, Agronomic and Geological Surveys, Balneology, and Stone Industries.] *Ibid.* xxvii. pp. 1-4, 105-108. 1897. [See БÖCKH, J.; see SCHARFZIK, F.; see SCHMIDT, A.]
- STEBBING, T. R. R. Obituary of DAVID ROBERTSON. *Geol. Mag.* dec. 4, iv. pp. 94-96. 1897.
- STEBBING, W. P. D. On two Boulders of Granite from the Middle Chalk of Betchworth, Surrey. *Q. J. G. S.* liii. pp. 213-220, figs., pl. xv. 1897. And A.C.
- STEEL, T. On Australian Coals. *Trans. Geol. Soc. Glasgow*, x. pp. 51-57. 1895.
- STEFANESCU, G., &c. Harta geologica generala a Romaniei. Sheets 1-38, 2-39, 5-42, 6-43. 2½ inches = 10,000 metres. Bucharest, 1897.
- STEFANI, C. DE. Sulle Rocce della Valle della Trebbia, a proposito di un Lavoro di S. TRAVERSO. *Atti Soc. tosc. Sci. nat.* x. pp. 138-144. 1896.
- STEFFEN, H. On Recent Explorations in the Patagonian Andes, South of 41° S. lat. *Scot. Geogr. Mag.* xiii. pp. 57-71. 1897.
- STEIGER, H. VON. Die Ausbrüche des Lammbachs. *Mith. naturf. Gesell. Bern*, 1896, pp. 265-275, 4 pls. [Map.] 1897.
- STEINHAUSZ, J. Der Kupfer- und Schwefelkies-Bergbau von Schmöllnitz im Zipser Comitatz (Oberungarn). [Plan.] *Berg-hütt. Jahrb. Wien*, xlv. pp. 267-320. 1896.
- STEINMANN, G. Beiträge zur Geologie und Paläontologie von Südamerika. V. Beitrag zur Kenntniss der Kreideformation in Venezuela und Peru, von K. GERHARDT. VI. Beitrag zur Kenntniss der Kreideformation in Columbien, von K. GERHARDT. *N. J. f. Min.* Beilage-Band, xi. pp. 65-117, 118-208, figs., pls. i-v. 1897.
- STELLA, A. Sul Rilevamento geologico eseguito in Valle Po (Alpi Cozie) nel 1895. *Boll. R. Com. geol. Ital.* xxvii. pp. 268-296, figs. 1896.
- 2. Sullo Sviluppo e Indirizzo della Geologia applicata in Italia. *Boll. Soc. geol. ital.* xvi. pp. 55-60. 1897.
- STELZNER, A. W. La Franckeit; un nuevo Mineral de Bolivia. *Bol. Soc. Nac. Minería, Santiago*, ser. 3, ix. pp. 26-32. 1897.
- 2. Sobre la Existencia de la Turmalina en los Criaderos minerales de Cobre en Chile. *Ibid.* pp. 106-110, 147-152, 235-243. 1897.
- 3. Die Silber-Zinnerzlagertstätten Bolivias. *Zeitschr. deutsch. geol. Gesellschaft.* xlix. pp. 51-142, pl. iii. [Map, $\frac{1}{3,000,000}$] 1897.
- 4. Ueber die Turmalinführung der Kupfererzgänge von Chile. *Zeitschr. f. prakt. Geol.* 1897, pp. 41-53. 1897.
- STENSTRÖM, K. O. E. See JACCARD, P.
- STENZEL, G. *Palmoxylon iriarteum*, n. sp. Ein fossiles Palmenholz aus Antigua. *Bihang K. svenska Vet.-Akad. Handl.* xxii. Afđ. 3, no. 11, pp. 1-18. 2 pls. 1897.
- STEPHENS, F. J. Abstract of a Paper on 'The Morte Slates as described by Dr. Hicks.' *Trans. R. Geol. Soc. Cornwall*, xii. pp. 47-48. 1897.
- 2. On an Altered Ashbed at Penryn. *Ibid.* pp. 49-57. 1897.
- *STEUER, A. Argentinische Jura-Ablagerungen. Ein Beitrag zur Kenntniss der Geologie und Paläontologie der argentinischen Anden. *Paläont. Abh. Jena*, n. s. iii. no. 3, pp. 127-222, figs. [map, Sierra de Malargue], pls. xv-xxxv. 1897.
- STEVENSON, J. J. Notes on the Geology of Indian Territory. *Trans. N.Y. Acad. Sci.* xv. pp. 50-61. 1896.
- 2. The Cerrillos Coalfield. *Ibid.* pp. 105-122. 1896.
- STEWART, A. A Geological Section at Providence, Missouri. *Kansas Univ. Quart.* iv. pp. 161-162. 1896.
- 2. Restoration of *Oreodon Cubertsonii*, Leidy. *Ibid.* A, vi. pp. 12-14, pl. i. 1897.

- STEWART, A. 3. Notes on the Osteology of *Bison antiquus*, Leidy. *Ibid.* vi. pp. 127-135, fig. 1897.
- *STEWART, S. A. The Portrush Raised Beach. *Irish Nat.* vi. pp. 287-290. 1897.
- STEWART, T. See SAUNDERS, H.
- STIRLING, E. C., & A. H. C. ZIETZ. Description of the Bones of the Leg and Foot of *Genyornis Newtoni*, a Fossil Struthious Bird from Lake Callabonna. *Trans. Roy. Soc. S. Aust.* xx. pp. 191-211, pls. iii-v. 1896.
- STIRLING, J. The Geological Society of Australasia. Session 1896. Inaugural Address. Pp. 1-16. 8vo. Melbourne, 1896.
- 2. Notes on some Observations of Temperature, &c., in the Deep Mines of Bendigo. *Trans. Aust. Inst. M. E.* iv. pp. 94-107. 1 pl. 1897.
- STIRRUP, M. On the Early History of the Manchester Geological Society, with some Remarks on Speculative Geology. *Trans. Manch. Geol. Soc.* xxv. pp. 39-62. 1897.
- 2. The Effects of Marine Erosion as shown by the Sea Cliffs and Sea Caves of the British Isles. *Ibid.* p. 192. 1897.
- STÖBER, F. Notice cristallographique sur la Cotunnite artificielle. *Bull. Acad. Roy. Belg.* ser. 3, xxx. pp. 345-364. 1 pl. 1895.
- 2. Notice sur un Appareil permettant de tailler un Crystal suivant une Direction déterminée, et sur une Méthode de tailler des Plaques à Faces parallèles. *Ibid.* xxxiii. pp. 843-858. 1897.
- *STOCKFLETH, —. Die geographischen, geognostischen und mineralogischen Verhältnisse des südlichen Theils des Oberbergamtsbezirks Dortmund. *Verh. naturh. Ver. preuss. Rheinl.* lii. pp. 45-129. 1895.
- 2. Die Eisenerzvorkommen in dem südwestlichsten Theile der Insel Sardinien. *Zeitschr. f. prakt. Geol.* 1897, pp. 311-314. 1897.
- 3. Die Bildung und Entstehung der Eisenerze. *Ibid.* pp. 347-343. 1897.
- STOCKS, H. B. Note on a Dark Coloured Band in the Tunbridge Wells Sand at Boyne Park. *Proc. Geol. Assoc.* xv. p. 106. 1897.
- STOKES, A. H. See ATKINSON, J. B., &c.
- *STOLLEY, E. Ueber die Gliederung des norddeutschen und baltischen Senon, sowie die dasselbe charakterisirenden Belemniten. *Arch. f. Anthr. & Geol. Schleswig-Holsteins*, ii. pp. 214-302, pls. ii-iv. 1897.
- STONESTREET, G. D. Notes on the Black Reef at Natal Spruit. *Trans. Geol. Soc. S. A.* ii. pp. 53-55. 1897.
- STORMS, R. Sur un *Cybium* nouveau du Terrain bruxellien (*Cybium Proosti*). *Bull. Soc. belge Géol. Brux.* 1895, ix. *Proc. verb.* pp. 160-162. 1897.
- STRAHAN, A. On Glacial Phenomena of Palæozoic Age in the Varanger Fiord. *Q. J. G. S.* liii. pp. 137-146, pls. viii-x. 1897.
- 2. The Raised Beaches and Glacial Deposits of the Varanger Fiord. *Ibid.* pp. 147-155. 1897.
- , & W. GIBSON. Geological Survey of England and Wales. Vertical Sections. Sheet 81. Monmouthshire and Glamorganshire. 1896.
- , T. C. CANTRILL, &c. Geological Survey of England and Wales. New Series, 1 inch = 1 mile. Maps. Sheet 263. Cardiff (Solid & Drift). 1897.
- STRANGWAYS, C. F. See FOX-STRANGWAYS, C.
- STREMÓUKHOV, D. Description de quelques Trigonies des Dépôts secondaires de la Russie. *Verh. russ.-k. min. Gesellsch.* xxxiv. pp. 243-266, pls. vi & vii. 1897.
- STUART-MENTEATH, P. W. Sur la Géologie des Hautes-Pyrénées. *C. R. Soc. géol. France*, 1896, pp. cci-ccii. 1896.
- 2. [Le Calcaire carbonifère ou Crétacé supérieur de Gèr et Bazes.] *Ibid.* pp. cclxxi-cclxxiv. 1896.
- 3. Sur la Géologie du Département des Hautes-Pyrénées, 1^{re} Partie. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 780-788. 1897.
- 4. Observations à propos des Notes de MM. CAREZ et SEUNES sur les Falaises de Biarritz et Bidart. *Ibid.* pp. 810-813. 1897.
- 5. Observations à propos de la Note de M. CARALP sur le Granite de Bordères (Hautes-Pyrénées). *Ibid.* pp. 898-899. 1897.
- 6. Observations sur une Note de M. CAREZ [*Bull. Soc. géol. France*, ser. 3, xxiv. p. 379]. *Ibid.* xxv. pp. 4-5. 1897.
- See CAREZ, L.
- STUCKENBERG, A. Recherches géologiques à l'Oural méridional. *Bull. Com. géol. Russie*, xv. pp. 249-251. 1897.
- , S. NIKITIN, & W. AMALITZKI. De Perm à Nijny-Novgorod. *Guide, VII. Congrès géol. internat.* 1897, no. 11, pp. 1-19, figs. 1897.

- STUDER, T. Pleistocäne Knochenreste aus einer paläolithischen Station in den Steinbrüchen von Veyrier am Salève. *Mitth. naturf. Gesellsch. Bern*, 1896, pp. 276-283. 1897.
- 2. Ueber ein Steinbockgehörn aus der Zeit der Pfahlbauten. *Ibid.* pp. 283-286. 1897.
- . See NÜESCH, J., &c.
- STÜRTZ, B. Ueber das Tertiär in der Umgebung von Bonn. *Zeitschr. deutsch. geol. Gesellsch.* xlix. pp. 417-431. 1897.
- STUYEN, E. El Salitre. *Bol. Soc. Nac. Minería, Santiago*, ser. 3, ix. pp. 268-271.
- STUYVAERT, E. Étude chimique sur huit Terres du Bas-Congo. *Bull. Acad. Roy. Belg* ser. 3, xxx. pp. 67-77. 1895.
- SUESS, E. La Face de la Terre. (Das Antlitz der Erde.) Traduit, sous la direction de E. DE MARGERIE, avec une Préface par M. BERTRAND, i. pp. i-xv, 1-835. figs. [maps] pls. i-v. [maps]. 8vo. Paris, 1897.
- 2. On the Structure of Europe. *Canad. Rec. Sci.* vii. pp. 235-246, pl. 1897.
- SUESS, F. E. Das Erdbeben von Laibach am 14 April, 1895. *Jahrb. k.-k. geol. Reichsanst.* xli. pp. 411-890, figs., pls. viii-xi. [Maps.] 1897.
- 2. Das Gneiss- und Granitgebiet der Umgebung von Gross-Meseritsch in Mähren. *Verh. k.-k. geol. Reichsanst.* 1897, pp. 138-144, fig. 1897.
- SUNDT, L. Una Formación calcárea i fossilífera cerca de la Desembocadura del Río Choapa. *Bol. Soc. Nac. Minería, Santiago*, ser. 3, ix. pp. 139-141. 1897.
- *SUPAN, A. Vorschläge zur systematischen Erdbebenforschung in den einzelnen Ländern. *Peterm. Mitth.* xliii. pp. 112-115. 1897.
- *— 2. Die norwegische Polarexpedition, 1893-96. *Ibid.* pp. 153-163. 1897.
- *— 3. Die westaustralischen Goldfelder. *Ibid.* pp. 189-190. 1897.
- SUTCLIFFE, R. Notes on the Yorkshire Coalfield. *Trans. Manch. Geol. Soc.* xxv. pp. 247-253. 1897.
- SUZUKI, T. See KOCHIBE, T., &c.
- SVEDMARK, E. Meddelanden om Jordstötär i Sverige. *Geol. Fören. Stockh. Förh.* xix. pp. 66-90, pl. i. [Map, Kronoberg Earthquake Region (Sweden).] 1837.
- 2. J. J. S. STEENSTRUP. [Obit.] *Ibid.* pp. 492-493. 1897.
- SWEM, E. G. A Preliminary Report on the Glaciated Area of Kansas. *Kansas Univ. Quart.* iv. pp. 153-159. 1896.
- SYKES, E. B. List of a small Collection of Mollusca from the Raised Beach on Portland. *Proc. Dorset Nat. Hist. & Antiq. F. C.* xvi. pp. 171-174. 1895.
- SYMES, R. G., S. B. WILKINSON, & J. B. HILL. Geological Survey of Scotland. 1 inch Map. Sheet 20. Killean. 1896.
- SZONTAGH, T. VON. Geologische Studien in den südlichen Vorbergen des Biharers 'Királyerdő,' in der Gegend von Lunkasprrie, Sztány-Turburest, Papmező-Kimpány, Kostyán, Hollód und Jancsesd, sowie in der südlichen Umgebung der im nordwestlichen Theile gelegenen Dörfer Szaránd und Kop-acsel. *Jahresb. k.-ung. geol. Anst.* 1894, pp. 44-48. 1897.
- TACCHINI, P. Il Registratore sismico a Doppia Velocità in occasione del Terremoto delle Marche del 21 Settembre, 1897. *Atti R. Acc. Lincei*, ser. 5, *Rendic.* vi. sem. 2, pp. 243-244, fig. 1897.
- TARAMELLI, T. Alcune Osservazioni stratigrafiche nei Dintorni di Clusone e di Schilpario. *Rendic. R. Ist. lomb.* ser. 2, xxix. pp. 1143-1154. 1896.
- 2. Alcune Osservazioni stratigrafiche nei Dintorni di Polcenigo in Friuli. *Boll. Soc. geol. ital.* xv. pp. 297-301. 1896.
- TARDY, C. Perturbation du Réseau magnétique. *Congrès géol. internat.* 1894, vi. pp. 260-261. 1897.
- *TARR, R. S. Evidence of Glaciation in Labrador and Baffin's Land. *Am. Geol.* xix. pp. 191-197, pl. x. 1897.
- *— 2. Rapidity of Weathering and Stream Erosion in the Arctic Latitudes. *Ibid.* pp. 131-136. 1897.
- *— 3. Valley-Glaciers of the Upper Nugsuak Peninsula, Greenland. *Ibid.* pp. 262-267, pl. xv. 1897.
- *— 4. Changes of Level in the Bermuda Islands. *Ibid.* pp. 293-303, pls. xvi-xviii. 1897; & *Q. J. G. S.* liii. p. 222. 1897.
- *— 5. The Margin of the Cornell Glacier. *Ibid.* xx. pp. 139-156, pls. vi-xii. 1897.
- 6. Arctic Sea-Ice as a Geological Agent. *Am. Journ. Sci.* ser. 4, iii. pp. 223-229. 1897.
- 7. Difference in the Climate of the Greenland and American sides of Davis' and Baffin's Bay. *Ibid.* ser. 4, iii. pp. 315-320. 1897.

- TARR, R. S. 8. Former Extension of Cornell Glacier near the Southern End of Melville Bay. *Bull. Geol. Soc. Am.* viii. pp. 251-268, figs., pls. xxv-xxix. [Maps.] 1897.
- TATE, R. Evidences of Glaciation in Central Australia. *Trans. Roy. Soc. S. Aust.* xxi. p. 68. 1897.
- TAUSCH, L. von. Einiges über die geologischen Verhältnisse im Blatte Auspitz und Nikolsburg (Zone 10, Col. xv.). *Verh. k.-k. geol. Reichsanst.* 1897, pp. 158-159. 1897.
- *TAYLOR, F. B. Lake Adirondack. *Am. Geol.* xix. pp. 392-396. 1897.
- *— 2. Notes on the Abandoned Beaches of the North Coast of Lake Superior. *Ibid.* xx. pp. 111-128, pl. 5. [Map.] 1897.
- 3. The Scoured Boulders of the Mattawa Valley. *Am. Journ. Sci.* ser. 4, iii. pp. 208-218. 1897.
- 4. Correlation of Erie-Huron Beaches with Outlets and Moraines in South-eastern Michigan. *Bull. Geol. Soc. Am.* viii. pp. 31-58, pl. ii. [Map.] 1897.
- 5. Moraines of Recession and their Significance in Glacial Theory. *Journ. Geol. Chicago*, v. pp. 421-465. 1897.
- TAYLOR, W. See MCCALLEY, H.
- *TCHERNYSHEV, T. A partir de la Ville d'Oufa jusqu'au Versant Oriental de l'Oural. *Guide, VII. Congrès géol. internat.* 1897, no. 3, pp. 1-40, pls. A-I. [Map.] 1897.
- *— 2. Le Chemin de Fer de l'Oural dans les Limites des Districts miniers de Taguil et de Goroblagodat. *Ibid.* 1897, no. 9, pp. 1-23, figs., pls. A-E. [Maps.] 1897.
- . See SOKOLOV, N.
- , & L. LUTUGIN. Le Bassin du Donetz. *Ibid.* 1897, no. 16, pp. 1-55, figs. [Maps.] 1897.
- TEALL, J. J. H. Differentiation in Igneous Magmas as a Result of Progressive Crystallization. *Geol. Mag.* dec. 4, iv. pp. 553-555. [Abstract.] 1897.
- . See GUNN, W., &c.; see NEWTON, E. T.
- , & E. T. NEWTON. Notes on a Collection of Rocks from the Tonga Islands. *Geol. Mag.* dec. 4, iv. pp. 151-153. 1897.
- TEISSEYRE, L. Geologische Untersuchungen im Districte Buzeu in Rumänien. *Verh. k.-k. geol. Reichsanst.* 1897, pp. 159-166. 1897.
- TELEGD, L. R. von. Studien in Erdöl-führenden Ablagerungen Ungarns. I. Die Umgebung von Zsibó im Comitate Szilágy. *Mitth. Jahrb. k.-ung. geol. Anst.* xi. pp. 259-298, pls. ix-x. [Map, $\frac{1}{75,000}$.] 1897.
- TEMPÈRE, J. Sur les Diatomées contenues dans les Phosphates de Chaux suessonniens du sud de la Tunisie. *C. R. Acad. Sci. Paris*, cxxiv. pp. 381-382. 1897.
- TENNE, C. A. Ueber die Krystallform des Leonit aus den Steinsalzlageren von Leopoldshall. *Zeitschr. deutsch. geol. Gesellsch.* xlvi. pp. 632-637. 1896.
- TERMIER, P. Sur la Tectonique du Massif du Pelvoux. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 734-758, figs., pl. xxv. [Map, $\frac{11}{320,000}$.] 1896; & *C. R. Soc. géol. France*, 1896, pp. cxxlviii-cxxlix. 1896.
- 2. Feuilles de Briançon et de Gap. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 153-156. 1897.
- 3. La Lawsonite des Roches métamorphiques des Alpes piémontaises. *Bull. Soc. franç. Min.* xx. pp. 5-7. 1897.
- 4. Sur la Bournonite de Psychagnard (Isère). *Ibid.* pp. 101-110, figs. 1897.
- 5. Discours aux Obsèques de M. Des Cloizeaux. *Ibid.* pp. 167-170. 1897.
- 6. Sur le Granite du Pelvoux. *C. R. Acad. Sci. Paris*, cxxiv. pp. 317-320. 1897.
- 7. Sur le graduel Appauvrissement en Chaux des Roches éruptives basiques de la Région du Pelvoux. *Ibid.* pp. 633-636. 1897.
- THADDEEFF, K. Die chemische Zusammensetzung und das spezifische Gewicht des Sulforbitis. *Zeitschr. f. Kryst.* xxviii. pp. 264-275. 1897.
- *THEVENET, —. Appareil destiné à inscrire d'une façon précise les Oscillations horizontales du Sol dans une Perturbation séismique. *C. R. Assoc. franç. Av. Sci.* 1896, xxv. pt. 2, pp. 238-239, fig. 1897.
- THEVENIN, A. Mosasauriens de la Craie grise de Vaux-Éclusier près Péronne (Somme). *C. R. Soc. géol. France*, 1896, pp. cclxxvii-cclxxviii. 1896; & *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 900-914, figs., pls. xxix-xxx. 1897.
- THOMAS, H. Révision de la Feuille de Soissons. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 13-16. 1897.

- THOMAS, P. See PERON, A.
- THOMAS, J. W. See BEDSON, P. P., &c.
- THOMPSON, B. Pre-glacial Valleys in Northamptonshire. *Journ. Northants Nat. Hist. Soc.* ix. pp. 47-52, 1 pl. 1896. And A.C.
- 2. Geological Notes. *Ibid.* pp. 51-52, 80-81. 1896.
- 3. The Junction-Beds of the Upper Lias and Inferior Oolite in Northamptonshire. *Ibid.* pp. 73-80, 131-149, pls. i. & ii. 1896.
- 4. Excursion to the New Railway at Catesby, Northamptonshire. *Proc. Geol. Assoc.* xiv. pp. 421-430, pl. xiv. 1896. A.C.
- THOMSON, J. On the Occurrence of Species of the Genus *Palastræa* (M'Coy) in the Lower Carboniferous Strata of Scotland, with a Description of some New Species, and Notices of Varieties. *Trans. Geol. Soc. Glasgow*, xi. pp. 1-11, pl. i. 1897. A.C.
- 2. On the Stratified Rocks of the Shore-line from Clachland Point to the Cock of Arran. *Ibid.* xi. pp. 12-30, pl. ii. 1897. A.C.
- 3. On the Genus *Phillipsastræa*. *Ibid.* pp. 51-70, pls. v. & vi. 1897. A.C.
- THOMSON, J. P. Queensland. *Scot. Geogr. Mag.* xiii. pp. 561-572, 6 pls. & 1 map, 1 inch = 100 miles. 1897.
- THOMSON, T. Report to the Local Government Board on the Conditions, Topographical, Geological, and Sanitary, of the Havant Districts (Urban and Rural), in their Relations with the Sources of the Borough of Portsmouth Company's Water-Supply, with Appendix on the Geology of the Neighbourhood of Havant, in connexion with the Water-Supply of Portsmouth, by W. WHITAKER. Pp. 1-29, 4 pls. [Maps.] Fol. London, 1897.
- THORNLEY, E. M. Some Notes on Hydraulic and Ground Sluicing in New Zealand, and Comparisons with the Drift Gravel of the Corinna District in Tasmania. *Trans. Austr. Inst. M. E.* iv. pp. 50-55. 1897.
- THORODDSEN, T. See KELHACK, K.
- THOULET, J. Sur le Tassement des Argiles au Sein des Eaux. *Ann. Mines, Paris*, n. s. xi. pp. 228-241. 1897.
- 2. Analyse lithologique de Fonds marins provenant du Golfe de Gascogne. *C. R. Acad. Sci. Paris*, cxxiv. pp. 382-384. 1897.
- THÜRACH, H. Ueber einige wahrscheinlich glaciäre Erscheinungen im nördlichen Bayern. *Zeitschr. deutsch. geol. Gesellsch.* xlviii. pp. 665-682, figs. 1896.
- *— 2. Mittheilungen aus dem Aufnahmegebiet des Blattes Zell am Harmersbach. *Mitth. badisch. geol. Landesanst.* iii. pp. 625-652, figs. 1897.
- TIDDEMAN, R. H. See DAKYNS, J. R.
- TIETZE, E. Beiträge zur Geologie von Galizien, (n. s.) X. & XI: *Jahrb. k.-k. geol. Reichsanst.* xlvi. pp. 386-410. 1897.
- TIHON, F. See FRAIPONT, J.
- TILDEN, W. A. On the Gases enclosed in Crystalline Rocks and Minerals. *Proc. Roy. Soc.* lx. pp. 453-457. 1897; & *Chem. News*, lxxv. pp. 169-170. 1897.
- TILTON, J. L. Geology of Warren County. *Ann. Rep. Iowa Geol. Surv.* 1895, v. pp. 301-359, figs., pls. vii-x., & map. 1896.
- TOBLER, A. Der Kalktuff von Kiffis, Elsass. *Eclogæ Geol. Helv.* v. pp. 59-61. 1897.
- TOLL, E. Compte-rendu préliminaire sur les Recherches géologiques dans la Région de la Feuille 13 de la Carte générale de la Russie. *Bull. Com. géol. Russie*, 1896, xv. pp. 147-156. 1896.
- TOLSTOPIATOV, M. Sur les Inclusions dans les Topazes de l'Oural et de la Saxe. *Verh. russ.-k. min. Gesellsch.* ser. 2, xxxiii. pp. 289-306, pl. viii. 1895.
- TOMMASI, A. Su alcuni Fossili probabilmente triasici di Nurri in Sardegna. *Rendic. R. Ist. lomb.* ser. 2, xxix. pp. 745-746. 1896.
- TOPOROV, W. See SOKOLOV, N.
- TORCAPEL, —. Feuille du Vigan. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 97-100. 1897.
- TÖRNEBOHM, A. E. Grunddragen af det centrala Skandinavien's Bergbyggnad. *K. svenska Vet.-Akad. Handl.* xxviii. no. 5, pp. 1-210, figs., pls. i. & ii. [Maps, $\frac{1}{800,000}$ & $\frac{1}{1,800,000}$, Central Scandinavian Highlands.] 1896.
- 2. Några Anmärkingar med Anledning af C. WIMANS Afhandling: Kambrisch-silurische Faciesbildungen in Jemtland. *Geol. Fören. Stockh. Förh.* xix. pp. 483-487. 1897.
- *TÖRNQUIST, A. Das fossilführende Untercarbon am östlichen Rossbergmassiv in den Südvogesen. II. Beschreibung der Lamellibranchiaten-Fauna. *Abh. geol. Karte Elsass-Lothringen*, v. pp. 535-722, pls. xvii-xix. 1896.
- *— 2. *Id.* III. Beschreibung der Echiniden-Fauna. *Ibid.* pp. 721-793, pls. xx-xxii. 1897.

- TÖRNQUIST, A. 3. Die degenerirten Perisphinctiden des Kimmeridge von Le Havre. *Mém. Soc. palé. suisse*, 1896, xxiii. pp. 1-43, pls. i-viii. 1897.
- TÖRNQUIST, S. L. Berättelse om en geologisk Resa genom Skånes och Östergötlands paleozoiska Trakter, Sommaren 1875. *Öfvers. K. Vet.-Akad. Förh.* 1875, no. 10, pp. 43-70. 1876. A.C.
- 2. Berättelse om en med Understöd af allmänna Medel utford vetenskaplig Resa i England, Wales och Skotland. *Ibid.* 1879, no. 2, pp. 63-79. 1879. A.C.
- 3. Studier öfver *Reticolites*. *Geol. Fören. Stockh. Förh.* v. pp. 292-302, pl. x. 1880. A.C.
- 4. Om några Graptolitararter från Dalarna. *Ibid.* pp. 434-445, pl. xvii. 1881. A.C.
- 5. Några komparativt-geologiska Anteckningar från en Resa i Vestergötlands Silurområde Sommaren 1883. *Ibid.* vi. pp. 681-692. 1883. A.C.
- 6. Anteckningar om de äldre paleozoiska Leden i Ostthuringen och Voigtland. *Ibid.* ix. pp. 471-492. 1887. A.C.
- 7. Några Anmärkningar om Vestra Europas kambriska och siluriska Korologi. *Ibid.* xi. pp. 299-339. 1889. A.C.
- 8. Några Anmärkningar om Graptoliternas Terminologi. *Ibid.* xvi. pp. 375-379. 1894. A.C.
- 9. BERNHARD LUNDGREN. [Obit.] *Ibid.* xix. pp. 327-351. 1897. A.C.
- 10. On the Diplograptidæ and Heteropronidæ of the Scanian *Rastrites*-Beds. *K. fysiogr. Sällsk. Lund Handl.* n. s. viii. pp. 1-24, pls. i-ii. 1897. A.C.
- 11. Undersökningar öfver Siljansområdets Graptoliter. *Lunds Univ. Årsskrift*, xxvi. pp. 1-33, pls. i-ii. 1889. A.C.
- 12. Observations on the Structure of some Diprionidæ. *Ibid.* xxix. pp. 1-14, 1 pl. 1893. A.C.
- 13. Undersökningar öfver Siljansområdets Trilobitfauna. *Sver. geol. Undersök. Afh.* ser. C, no. 66, pp. 1-101, pls. i-iii. 1884. A.C.
- *TOSI, A. Di un nuovo Genere di *Apiaria* fossile nell' Ambra di Sicilia (*Meliponorytes succini*; *M. sicula*). *Riv. ital. Paleont.* ii. pp. 352-356, figs., pl. 1896.
- TOUCAS, A. Révision de la Craie à *Hippurites* (fin) et Parallélisme entre la Craie à *Hippurites* du Midi et la Craie supérieure du Sud-ouest, du Bassin Franco-Belge et de l'Europe centrale. (Tableau résumant.) *C. R. Soc. géol. France*, 1896, pp. cxi-cxii; & *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 602-640, 641-645, figs. 1896.
- 2. Réponse aux Observations de M. DE GROSSOUVRE et M. CAREZ [Sur la Succession des Couches à *Hippurites* de la Montagne des Cornes, &c.]. *Ibid.* pp. 803-804. 1897; & *C. R. Soc. géol. France*, 1896, pp. cclxvi-cclxxviii & cclxxxvii. 1896.
- 3. Note sur *Actinocamax quadratus* à La Bastide près Camps. *C. R. Soc. géol. France*, 1896, pp. lxii-lxiii. 1896.
- TOULA, F. Geologische Untersuchungen im östlichen Balkan und abschliessender Bericht über seine geologischen Arbeiten im Balkan. *Denkschr. k. Akad. Wissensch. Wien*, lxiii. pp. 277-316. [Map, East Balkans, $\frac{1}{500,000}$.] 1896.
- 2. Bemerkungen über den Lias der Umgegend von Wien. *N. J. f. Min.* 1897, i. pp. 216-219. 1897. And A.C.
- 3. Eine geologische Reise in die transylvanischen Alpen Rumäniens. *Ibid.* pp. 142-188, figs. 1897. And A.C.; & *Vortr. Ver. Verb. naturw. Kenntn. Wien*, xxxvii. no. 6, pp. 1-37, pls. i-ix. 1897. A.C.
- 4. Vorläufiger Bericht über eine weitere geologische Reise in den transylvanischen Alpen Rumäniens. *Ibid.* pp. 221-255, figs. 1897. And A.C.
- 5. Ueber neue Wirbelthierreste aus dem Tertiär Oesterreichs und Rumeliens. [*Testudo kalksburgensis*, *Aceratherium incisivum*, and *Leptodon (Titanotherium?) rumelicus*.] *Zeitschr. deutsch. geol. Gesellsch.* 1896, xlviii. pp. 915-924, figs. 1897. And A.C.
- 6. Eine geologische Reise in das südliche Randgebirge (Jaila Dag) der taurischen Halbinsel. *Ibid.* xlix. pp. 384-416, figs. 1897.
- TRABUCCO, G. Sulla Sinonimia del Vocabolo 'Scaglia' (Zittel). *Boll. Soc. geol. ital.* xvi. pp. 176-182. 1897.
- TRAQUAIR, R. H. A List of the Fossil Fish-Remains occurring in the Bone Bed at Abend, near Kinghorn, Fifeshire. *Proc. Geol. Assoc.* xv. pp. 143-145. 1897.
- TRAUBE, H. Die pyroelektrischen Eigenschaften des Titanits und des Strontiumbitartrats. *N. J. f. Min.* xi. Beilage-Band, pp. 209-216, pl. vi. 1897.
- TRAVERS, M. W. See RAMSAY, W.
- TRAVERSO, S. See STEFANI, C. DE.

- TREACHER, L. Excursion to Cookham. *Proc. Geol. Assoc.* xv. pp. 101-104, fig. 1897.
- TREITZ, P. Aufnahmebericht. *Jahresb. k.-ung. geol. Anst.* 1894, pp. 158-161. 1897.
- TREVOR-BATTYE, A. Arctic and Antarctic. *Journ. Soc. Arts*, xlv. pp. 632-635. 1897.
- TUCCIMEI, G. Resti di *Felis arvernensis* nel Pliocene della Villa Spinola, presso Perugia. *Mem. Pont. Acc. N. Lincei*, xii. (pp. 5-26) pl. vii. 1896. A.C.
- 2. Ancora del Villafranchio nella Valle tra i Corniculani e i Lucani. Pp. 1-15. 8vo. Rome, 1897. A.C.
- TUCKER, W. T. Holiday Notes from Davos Platz, Switzerland. *Trans. Leicester Lit. & Phil. Soc.* n. s. iv. pp. 342-344. 1897.
- TURNER, H. H. Experiments with a Horizontal Pendulum at the Oxford University Observatory, 1896, May 5. *Rep. Brit. Assoc.* 1896, lxvi. pp. 216-218. 1896.
- TUTKOWSKI, P. Zur Geologie des Lutzk'schen Kreises im Gouv. Wolhynien. Ueber den posttertiären Mergel des Dorfes Kultschin. *Ann. géol. min. Russie, Varsovie*, ii. no. 1, pp. 1-8. 1897.
- TWELVETREES, W. H. Microscopical Studies of Tasmanian Rocks. *Proc. Roy. Soc. Tasm.* 1896-97, 9 pp., 2 pls. 1897.
- TYRRELL, J. B. The Genesis of Lake Agassiz. *Journ. Geol. Chicago*, iv. pp. 811-815. 1896. A.C.
- 2. The Glaciation of North-Central Canada. [Abstract.] *Geol. Mag.* dec. 4, iv. pp. 514-515. 1897.
- , & D. B. DOWLING. Report on the Country between Athabasca Lake and Churchill River. *Ann. Rep. Geol. Surv. Canada*, 1895, D, pp. 1-120. Map no. 597, 1 inch = 25 miles. 1897.
- *UBAGHS, C. Description géologique et paléontologique du Sol du Limbourg, avec Catalogue général des Fossiles du Terrain crétacé, Coupe de la Superposition des Couches, et Description de quelques grands Vertébrés de la Craie supérieure de Maastricht. 8vo. Ruremonde. 1879.
- ULRICH, E. O. See WINCHELL, N. H., &c.
- *UPHAM, W. Physical Conditions of the Flow of Glaciers. *Am. Geol.* xvii. pp. 16-29, pl. ii. 1896.
- *— 2. Relation of the Lafayette or Ozarkian Uplift of North America to Glaciation. *Ibid.* xix. pp. 339-343. 1897.
- *— 3. Rhythmic Accumulation of Moraines by Waning Ice-Sheets. *Ibid.* pp. 411-417. 1897.
- 4. Cuyahoga Preglacial Gorge in Cleveland (Ohio). *Bull. Geol. Soc. Am.* viii. pp. 7-13. 1897.
- 5. Modified Drift in St. Paul, Minnesota. *Ibid.* pp. 183-196, pl. viii. [Map, $\frac{3}{8}$ inch = 1 mile.] 1897.
- 6. The Quaternary Era, and its Division in the Lafayette, Glacial, and Recent Period. *Congrès géol. internat.* 1894, vi. pp. 238-251. 1897.
- 7. Causes of the Ice Age. *Journ. Vict. Inst.* xxix. pp. 201-223. 1897.
- UPTON, C. Notes on the Geology and Glaciation of Norway. *Proc. Cotteswold Nat. F. C.* xii. pp. 109-123, 2 pls. 1897.
- URBAIN, G., & E. BUDISCHOVSKI. Researches on Monazitic Sands. *Chem. News*, lxxv. pp. 181-182. 1897; & *C. R. Acad. Sci. Paris*, cxxiv. pp. 618-621. 1897.
- *USSHER, R. J. The Discovery of Bones of the Great Auk in County Waterford. *Irish Nat.* vi. p. 208. 1897.
- USSING, N. V., & V. MADSEN. Beskrivelse til geologisk Kort over Danmark i Maalestok 1: 100,000, Kortbladet Hindsholm. *Dan. geol. Undersög.* i. no. 2, pp. 1-87, figs., pls. i-iv. 1897, & Map.
- VACEK, M. Ueber die geologischen Verhältnisse des obersten Val Sugana. *Verh. k.-k. geol. Reichsanst.* 1896, pp. 459-473. 1896.
- 2. Einige Bemerkungen über den Gebirgsbau der Radstädter Tauern. *Ibid.* 1897, pp. 55-77. 1897.
- VAFFIER, A. Sur le Terrain carbonifère des Environs de Mâcon. *C. R. Acad. Sci. Paris*, cxxv. pp. 262-265. 1897.
- VAILLANT, L. La Répartition des Siluroïdes dans l'Espace et dans le Temps. *Rev. Sci. Paris*, ser. 4, vii. pp. 685-689. 1897.
- VALENTIN, J. Comunicaciones geológicas y mineras de las Provincias de Salta y Jujuy. *An. Mus. Nac. Buenos Aires*, v. pp. 25-32. 1896. And A.C.
- 2. Noticia preliminar sobre un Yacimiento de Conchillas en el Cementerio de Lomas de Zamora. *Ibid.* pp. 227-231. 1897. And A.C.

- VALENTIN, J. 3. Bosquejo geológico de la Argentina. Pp. 1-50, pl. 8vo. Buenos Aires, 1897.
- VALLEE POUSSIN, C. DE LA. La Géographie physique et la Géologie. *Bull. Acad. Sci. Belg.* ser. 3, xxxii. pp. 925-947. 1896.
- See DEWALQUE, G., &c.
- , & A. F. RENARD. Les Tufs kératophyriques de la Méhaigne. *Mém. cour. Acad. Roy. Belg.* (8vo.) liv. no. 3, pp. 1-40, figs. [map], pls. i & ii. 1896.
- VAN DEN BROECK, E. Sur le Mode de Formation des Grottes et des Vallées souterraines. Réponse à la Note critique de M. A. FLAMACHE. *Bull. Soc. belge Géol. Brux.* 1895, ix. *Mém.* pp. 368-415. 1896.
- 2. Note préliminaire sur le Niveau stratigraphique et la Région d'Origine de certains des Blocs de Grès quartzueux des Plaines de la Moyenne et de la Basse-Belgique. *Ibid. Proc.-verb.* pp. 91-99. 1896.
- 3. Compte-rendu sommaire de l'Excursion au Bolderberg et au Gisement fossilifère de Waenrode faite par la Société belge de Géologie, de Paléontologie et d'Hydrologie les 13 et 14 Juillet 1895, accompagné de Commentaires relatifs à la Question du Bolderien envisagé au Point de Vue de ses Relations stratigraphiques belges et étrangères, et Réponse à M. le Prof. G. DEWALQUE. *Ibid.* pp. 116-144. 1896.
- 4. Les Mistpoeffers, ou Détonations de la Mer du Nord et des Régions terrestres et maritimes circonvoisines, et les Barisal Guns, du Delta du Gange. *Ibid.* pp. 182-199. 1897.
- 5. Coup d'Œil synthétique sur l'Oligocène belge et Observations sur le Tongrien supérieur du Brabant. *Ann. Soc. géol. Belg. Liège*, xxii. *Bibliogr.* pp. 3-18. [Abstract by H. FORIE.] 1897.
- 6. Les Mistpoeffers. *Spelunca*, iii. pp. 115-121. 1897.
- VAN DER WYCK, O. H. The Occurrence of Tin Ore in the Islands of Banca and Billiton. *Ann. Rep. U.S. Geol. Surv.* xvii. 1895-96, pt. iii. pp. 227-242. 1896.
- VAN HISE, C. R. Deformation of Rocks. V. *Journ. Geol. Chicago*, v. pp. 178-197, figs. 1897.
- VAN OVERLOOP, E. Quelques Mots de Rappel au Sujet de l'Hydrologie du Bassin de l'Escaut. *Bull. Soc. belge Géol. Brux.* 1895, ix. *Proc.-verb.* pp. 71-76. 1896.
- VAN'T HOFF, J. H., & W. MEYERHOFFER. Untersuchungen über die Bildungsverhältnisse der oceanischen Salzablagerungen, insbesondere des Stassfurter Salzlagers. *Sitz. k.-preuss. Akad. Wissensch. Berlin*, 1897, pp. 69-75, 137-141, 487-515, figs. 1897.
- VANDELEUR, C. F. S. Two Years' Travel in Uganda, Unyoro, and on the Upper Nile. *Geogr. Journ.* ix. pp. 369-393, figs. 1897.
- VANDEWYNCKELE, —. Sondages aux Environs de Lille. *Ann. Soc. géol. Nord*, 1897, xxvi. pp. 45-48. 1897.
- VASSEUR, G. See MICHEL-LÉVY, A.
- VATER, H. Ueber den Einfluss der Lösungsgenossen auf die Krystallisation des Calciumcarbonates. *Zeitschr. f. Kryst.* xxvii. pp. 477-504, figs. 1896.
- 2. Das Wesen der Krystalliten. *Ibid.* pp. 505-512. 1896.
- VAUGHAN, T. W. Additional Notes on the Outlying Areas of the Comanche Series in Oklahoma and Kansas. *Am. Journ. Sci.* ser. 4, iv. pp. 43-50, fig. [Map.] 1897.
- VÉLAIN, C. Feuille de Lure. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 159-165, figs. 1897.
- See MICHEL-LÉVY, A., &c.
- VELGE, G. De l'Âge des Sables du Bolderberg. *Ann. Soc. géol. Belg. Liège*, xxiv. pp. 3-10. 1897.
- 2. La Carte géologique de la Campine et les grands Sondages d'Exploration. *Ibid.* pp. 19-23. 1897.
- See FORIE, H., &c.; see MOURLON, M.
- VERBEEK, R. D. M. Geologische Beschrijving van Bangka en Billiton. *Jaarb. Mijnw. Ned. O.-Ind.* xxvi. pp. i-xvi, 1-220, pls. i-iv.; & Atlas, 4 Maps [$\frac{1}{1,000,000}$; $\frac{1}{300,000}$, $\frac{1}{200,000}$, $\frac{1}{100,000}$], & 2 sheets Sections. 1897.
- 2. Glaskogels van Billiton. *Ibid.* pp. 235-272, pl. i. 1897.
- , & R. FENNEMA. Description géologique de Java et Madoura. 2 vols. pp. i-xlvi, 1-1184, pls. nos. 1-17 & i-xi.; & Atlas [Maps, 'Grande Carte géologique,' $\frac{1}{200,000}$ in 26 sheets; 'Carte géologique synoptique,' $\frac{1}{500,000}$ in 2 sheets, &c.] 8vo. & Fol. Amsterdam, 1896.
- VIGO, G. Sulle Porfiriti del Monte Guglielmo. *Rendic. R. Ist. lomb.* ser. 2, xxix. pp. 1114-1124. 1896.

- VINASSA DE REGNY, P. E. Prospetto della Fauna malacologica di Ronca. *Atti Soc. tosc. Sci. nat. x. Proc.-verb.* pp. 138-190. 1896.
- 2. I Molluschi del Monte Postale. *Ibid.* pp. 202-206. 1897.
- 3. Alcune Osservazioni sul Terziario delle Alpi Venete. *Ibid.* pp. 206-209. 1897.
- 4. Echinidi neogenici del Museo Parmense. *Atti Soc. tosc. Sci. nat. xv. Mem.* pp. 139-155, figs. 1897.
- *— 5. Synopsis dei Molluschi terziari delle Alpi Venete. *Palaeontographia italica*, 1896, ii. pp. 149-184, pls. xxi-xxii. 1897.
- *— 6. La Posizione stratigrafica del Piano di Priabona. *Riv. ital. Paleont. Parma*, iii. pp. 21-23. 1897.
- VIOLA, C. La Metamorfosi dinamica nelle Lave leucitiche dei Vulcani estinti degli Ernici in Provincia di Roma. *Atti Soc. tosc. Sci. nat. x. Proc.-verb.* pp. 170-182. 1896.
- 2. Osservazioni geologiche fatte nella Valle del Sacco in Provincia di Roma, e Studio petrografico di alcune Rocce. *Boll. R. Com. geol. Ital.* xxvii. pp. 4-35, pl. i. [Map, $\frac{1}{200,000}$] 1896.
- 3. Il Monte Circeo in Provincia di Roma. *Ibid.* pp. 161-171, pl. iii. [Map, $\frac{1}{50,000}$] 1896.
- 4. Osservazioni geologiche fatte sui Monti Ernici (Provincia di Roma) nel 1895. *Ibid.* pp. 300-313. 1896.
- 5. Ueber Kontaktmetamorphose der Diabasen in Basilicata (Italien). *Congrès géol. internat.* 1894, vi. pp. 345-351. 1897.
- 6. Ueber ein Universalinstrument für Krystallographie. *Zeitschr. f. Kryst.* xxviii. pp. 165-168, pl. iii. 1897.
- 7. Ueber den Aragonit von Sicilien und seine Structur. *Ibid.* pp. 225-231, pl. iv. 1897.
- 8. Ueber Homogenität. *Ibid.* pp. 452-467. 1897.
- 9. Das Vorkommen von Lawsonit in der Basilicata (Unteritalien). *Ibid.* pp. 553-555, pl. ix. 1897.
- 10. Ueber Ätzfiguren am Gyps. *Ibid.* pp. 573-577, pl. x. 1897.
- VIRE, A. Les Eaux souterraines en Pays de Plaine : la Vallée du Lunain. *Spelunca*, iii. pp. 55-60, figs. 1897.
- VOGDES, A. W. See SMITH, E. A.
- *VOGDT, C. DE. Le Jurassique à Soudak. *Guide, VII. Congrès géol. internat.* 1897, no. 32, pp. 1-8, 1 pl. 1897.
- VOGT, J. H. L. Kobberets Historie i Fortid og Nutid og om Udsigterne for Fremtiden. *Nyt Mag. Naturvid.* xxxvi. pp. 66-163. 1897.
- 2. Ueber die Bildung von Erzlagerstätten durch Differentiationsprozesse in Eruptiv-Magmata. *Congrès géol. internat.* 1894, vi. pp. 382-392. 1897.
- *VOIGT, W. Ueber Thiere, die sich vermuthlich aus der Eiszeit her in unseren Bächen erhalten haben. *Verh. naturh. Ver. preuss. Rheinl.* lii. pp. 235-244. 1895.
- VOLZ, W. Neue Funde aus dem Muschelkalk Ober-Schlesiens. *Zeitschr. deutsch. geol. Gesellsch.* 1896, xlviii. pp. 976-982, pl. xxvi. 1897.
- 2. *Elephas antiquus* Falc. und *Elephas trogontherii* Pohl in Schlesien. *Ibid.* xlix. pp. 193-200, figs. 1897.
- VREDENBERG, E. See ZEILLER, R.
- WACHSMUTH, C., & SPRINGER, F. The North American Crinoidea Camerata. *Mem. Mus. Harvard Coll.* xx. pp. 1-359. 1897; *ibid.* xxi. pp. 361-837, figs. 1897; & Atlas xx. & xxi. pls. i-lxxxiii. 1897.
- *WAGNER, H. Areal und mittlere Erhebung der Landflächen, sowie der Erdkruste. *Beitr. z. Geophys. Stuttgart*, ii. pp. 667-772, pl. v. 1895.
- WAHLROOS, A. Bidrag till Kännedom om Hafsstrandens Förskjutning vid en Del af Finlands Vestkust. *Fennia*, xiii. no. 9, pp. 1-22. [Map $\frac{1}{100,000}$] 1896.
- WAHNSCHAFFE, F. Ueber Aufschlüsse im Diluvium bei Halbe an der Berlin-Görlitzer Eisenbahn. *Zeitschr. deutsch. geol. Gesellsch.* xlix., Protok. pp. 4-5, fig. 1897.
- WALCOTT, C. D. Report of the Director, 1894-95. *Ann. Rep. U.S. Geol. Surv.* 1894-95. Pt. I. Pp. 1-130. 1896.
- 2. Note on the Genus *Lingulepis*. *Am. Journ. Sci.* ser. 4, iii. pp. 404-405. 1897.
- 3. The Post-Pleistocene Elevation of the Inyo Range, and the Lake Beds of Waucobi Embayment, Inyo County, California. *Journ. Geol. Chicago*, v. pp. 340-348, figs. 1897.
- WALFORD, E. A. Stonesfield Slate. *Rep. Brit. Assoc.* 1896, lxvi. pp. 356-359. 1896.
- 2. More Notes on the Terraced Hill Slopes of North Oxfordshire. *Geol. Mag.* dec. 4, iv. pp. 299-302, fig. 1897.

- WALKER, A. E. Memo. of the Cutting on the Spur Line where it crosses Main Street West [Hamilton (Ont.)]. *Journ. Hamilton Assoc. (Canada)* xiii. pp. 44-45. 1897.
- WALKER, T. L. Geological and Petrographical Studies of the Sudbury Nickel District (Canada). *Q. J. G. S.* liii. pp. 49-66, fig. [Map, 1 inch=7½ miles.] 1897.
- WALKER, W. S. Nitrification of Soils. *Journ. Liverp. Geol. Assoc.* xvi. pp. 15-16. 1896.
- *WALLACE, A. R. The Gorge of the Aare and its Teachings. *Glac. Mag.* iv. pp. 61-71. 1896.
- WALLERANT, F. Sur la Détermination des Axes optiques de M. E. von FEDOROV. *Bull. Soc. franç. Min.* xix. pp. 356-363. 1896.
- 2. Mémoire sur la Quartzine et sur l'Origine de la Polarisation rotatoire du Quartz. *Bull. Soc. franç. Min.* xx. pp. 52-100, pls. i-iv. 1897.
- 3. Note sur la Mesure des Biréfringences des Minéraux en Lames minces. *Ibid.* pp. 172-173. 1897.
- 4. Note sur une Forme naissante du Quartz. *Ibid.* pp. 173-177, figs. 1897.
- 5. Feuille de Bressuire. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 29-31. 1897.
- 6. Sur un Appareil permettant de mesurer les Indices de Réfraction des Minéraux des Roches. *C. R. Acad. Sci. Paris*, cxxiv. pp. 315-317. 1897.
- WALTER, J. Are there Fossil Deserts? *Rep. Brit. Assoc.* 1896, lxvi. p. 795. 1896.
- 2. Versuch einer Classification der Gesteine auf Grund der vergleichenden Lithogenie. *Congrès géol. internat., Mém.* no. 2, pp. 1-25. 1897.
- 3. Ueber die Lebensweise fossiler Meeresthiere. *Zeitschr. deutsch. geol. Gesellschaft.* xlix. pp. 209-273, figs. 1897.
- WALTL, V. Bergtechnische Mittheilungen aus Saarbrücken und Westfalen. *Berg-hütt. Jahrb., Wien*, xlv. pp. 235-246, pls. v & vi. 1897.
- WALTON, F. F. Additional Notes on the Hessle Gravels. *Trans. Hull Geol. Soc.* ii. pp. 16-18. 1896.
- WARBURG, O. Zwei neue fossile Phanerogamen-Gattungen von der Insel Bangka. *Jaarb. Mijnw. Ned. O.-Ind.* xxvi. pp. 231-234. 1897.
- WARD, J. C. (the late). See DAKYNS, J. R.
- WARD, L. F. Some Analogies in the Lower Cretaceous of Europe and America. *Ann. Rep. U.S. Geol. Surv.* 1894-95, pt. i. pp. 463-536, figs., pls. xvii-cvii. [Maps, S.E. England, 1 inch = 19 miles; Isle of Wight, 1 inch = 3 miles.] 1896.
- 2. Descriptions of the Species of *Cycadeoidea*, or Fossil Cycadean Trunks, thus far discovered in the Iron Ore Belt, Potomac Formation, of Maryland. *Proc. Biol. Soc. Washington*, xi. pp. 1-17. 1897.
- WARD, T. The Rock Salt Deposits of Northwich, Cheshire, and the Results of their Exploitation. *Trans. Manch. Geol. Soc.* xxv. pp. 274-298, 1 pl. [Map, 1 inch = 11 chains.] 1897.
- WARDELL, F. N. See ATKINSON, J. B., &c.
- WARREN, S. H. Note on a Section of the Pleistocene Rubble-Drift near Portslade, Sussex. *Geol. Mag.* dec. 4, iv. pp. 302-304. 1897.
- WARTH, H. Conularien im 'Boulder Bed' der Salzkette im Pandschab. *N. J. f. Min.* 1897, i. pp. 211-212. 1897.
- WASHINGTON, H. S. On Igneous Rocks from Smyrna and Pergamon. *Am. Journ. Sci.* ser. 4, iii. pp. 41-50. 1897.
- 2. Italian Petrological Sketches.—III. The Braccino, Cerveteri, and Tolfa Regions. *Journ. Geol. Chicago*, v. pp. 34-49. IV. The Rocca Monfina Region. *Ibid.* pp. 241-256. V. Summary and Conclusion. *Ibid.* pp. 349-377. 1897.
- *WATSON, T. L. Lakes with more than one Outlet. *Am. Geol.* xix. pp. 267-270. 1897.
- 2. Evidences of recent Elevation of the Southern Coast of Baffin's Land. *Journ. Geol. Chicago*, v. pp. 17-33, figs. [Map.] 1897.
- WATTS, WM. Earthquake Tremors. *Trans. Manch. Geol. Soc.* xxv. pp. 164-165. 1897.
- 2. Notes on the Recent Slipping Peat in Ireland. *Ibid.* pp. 165-168. 1897.
- WATTS, W. L., F. SALATHÉ, & J. C. COOPER. Oil- and Gas-yielding Formations of Los Angeles, Ventura, and Santa Barbara Counties. Part I. *Bull. Calif. State Mining. Bur.* no. 11, pp. 1-94, figs. Maps. 1897.
- WATTS, W. W. Photographs of Geological Interest in the United Kingdom. *Rep. Brit. Assoc.* 1896, lxvi. pp. 357-365. 1896.
- 2. Notes on the Ancient Rocks of Charnwood Forest. *Ibid.* 1896, lxvi. pp. 795-797. 1896.
- 3. Note on British Geological Photographs [Cultra, Co. Down]. *Geol. Mag.* dec. 4, iv. pp. 31-37, 62, 109-110, pls. iii. & iv. 1897.

- WATTS, W. W. 4. Note on some Rock Specimens from the Borings at Netherseal. *Trans. Fed. Inst. M. E.* xiii. pp. 599-601. 1897. [See BINNS, G. J.]
 —. See DAKYNS, J. R.
- WAUCHOPE, J. A. The Goldfields of the Hauraki District, New Zealand. *Trans. Fed. Inst. M. E.* xiv. pp. 19-45. 1897.
- WEBB, W. M. See KENNARD, A. S.
- WEDER, O. Die Lichtbewegung in zweiaxigen activen Krystallen. *N. J. f. Min. Beilage-Band*, xi. pp. 1-45. 1897.
- WEEKS, J. D. See DAY, D. T.
- WEHRLI, L. Das Dioritgebiet von Schlans bis Disentis im Bündner Oberland. *Beitr. geol. Karte Schweiz*. n. s. no. vi, pp. i-viii. 1-68, pls. i-vi. [Map $\frac{1}{50,000}$] 1896.
- 2. Sur les Diorites métamorphiques de l'Oberland grison et sur la Continuation du Synclinal d'Urseren vers l'Est. *C. R. Soc. helv. Sci. nat.* 1896, pp. 124-126. 1896.
- 3. Ueber dynamometamorphe Diorite im Bündner Oberland und über die Fortsetzung der Urseren-Mulde nach Osten. *Eclogæ Geol. Helv.* v. pp. 30-32. 1897.
- WEINSCHENK, E. Ueber die Färbung der Mineralien. *Zeitschr. deutsch. geol. Gesellsch.* xlviii. pp. 704-712. 1896.
- 2. Weitere Beiträge zur Kenntniss der Minerallagerstätten der Serpentine in den östlichen Central-Alpen. *Zeitschr. f. Kryst.* xxvii. pp. 559-573. 1897.
- 3. Meerschäum von Eskishehir in Kleinasien. *Ibid.* pp. 574-576. 1897.
- 4. Fuggerit, ein neues Mineral aus dem Fassathal. *Ibid.* pp. 577-582. 1897.
- 5. Beiträge zur Mineralogie Bayerns.—I. Vorkommnisse aus den Graphitlagerstätten nordöstlich von Passau. II. Der sogenannte Anthophyllit von Bodenmais. III. Spessarten von Aschaffenburg. *Ibid.* xxviii. pp. 135-164. 1897.
- 6. Ueber den Graphitkohlenstoff und die gegenseitigen Beziehungen zwischen Graphit, Graphitit und Graphitoid. *Ibid.* pp. 291-304. 1897.
- 7. Ueber einige Graphitlagerstätten [Passau]. *Zeitschr. f. prakt. Geol.* 1897, pp. 286-293, figs. 1897.
- *WEISBACH, A. Synopsis Mineralogica. Systematische Uebersicht des Mineralreiches. 3rd ed. pp. 1-98. 8vo. Freiburg, 1897.
- WEISS, P. Recherches sur l'Aimantation de la Magnétite cristallisée. *Bull. Soc. franc. Min.* xx. pp. 137-162, figs. 1897.
- WEISSERMEL, W. Die Gattung *Rœmeria* M. E. u. H. und die Beziehungen zwischen *Favosites* und *Syringopora*. *Zeitschr. deutsch. geol. Gesellsch.* xlix. pp. 368-384, pl. xv. 1897.
- WELLER, S. Correlation of the Devonian Faunas in Southern Illinois. *Journ. Geol. Chicago*, v. pp. 625-635. 1897.
- WELSCH, J. Sur la Présence d'une Assise paléontologique à *Ammonites variabilis* dans le Détroit du Poitou. *Bull. Soc. géol. France*, ser. 3, xxiv. p. 450. 1896.
- 2. Nouvelles Observations sur les Zones à *Ammonites Murchisonæ* et à *Ammonites concavus* dans le Détroit du Poitou. *Ibid.* pp. 451-452; & *C. R. Soc. géol. France*, pp. civ-cv. 1896.
- 3. Note à propos des Terrains pliocènes des Environs d'Alger. *Ibid.* pp. 494-495; & *C. R. Soc. géol. France*, pp. cxvi-cxvii. 1896.
- 4. Note sur les Zones à *Ammonites niortensis* et *A. zigzag* dans le Poitou. (Réponse à M. P. GLANGEAUD.) *Ibid.* pp. 895-896. 1897.
- 5. Observations à propos de la Note de M. BRIVE sur 'les Terrains pliocènes du Dahra.' *C. R. Soc. géol. France*, 1896, pp. lxxvii-lxxviii. 1896.
- 6. Note sur le Gisement du Reptile bajocien de Sansac (Charente). *Ibid.* pp. lxxxii-lxxxiii. 1896.
- 7. Nouvelles Observations sur la Zone à *Ammonites zigzag* et *A. fuscus* dans le sud du Détroit du Poitou. *Ibid.* pp. xciv-xcvi. 1896.
- 8. Sur la Présence d'une Assise paléontologique à *Ammonites variabilis* dans le Détroit du Poitou. *Ibid.* pp. ciii-civ.
- 9. Sur l'Âge sénonien des Grès à *Sabalites andegavensis* de l'ouest de la France. *C. R. Acad. Sci. Paris*, cxxv. pp. 667-669. 1897.
- 10. Feuille de Saumur. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 31-35. 1897.
- 11. Feuille de Niort. *Ibid.* pp. 33-40. 1897.
- See BRIVE, A.; see GLANGEAUD, P.
- WENDEBORN, A. Störungen der Schichten zwischen Pretoria und Vereeniging im Transvaal und die daraus resultirenden Schlüsse über den Verbleib der goldhaltigen Conglomerate. *Zeitschr. f. prakt. Geol.* 1897, pp. 305-311, figs. 1897.
- WESENBERG-LUND, C. Om Ferskvandsfaunaens Kitin- og Kisellevninger i Törvelagene. *Meddel. Dansk geol. Foren.* no. 3, pp. 51-84, 1 pl. 1896.

- WESTMAN, J. Bidrag till Kännedom om Järnglansens Magnetism. Pp. 1-51, pls. i-ii. Svo. Upsala, 1897.
- WESTON, T. C. Notes on the Geology of Newfoundland. *Proc. & Trans. N. S. Inst. Sci.* ix, pp. 150-157. 1896.
- WETHERED, E. B. The Depths of the Sea in Past Epochs. *Rep. Brit. Assoc.* 1896, lxxvi, pp. 793-794. 1896.
- WHARTON, W. J. L. The Physical Conditions of the Ocean. *Ann. Rep. Smiths. Inst.* 1894, pp. 343-358. 1896.
- 2. Foundations of Coral Atolls. *Nature*, lv, pp. 390-393, fig. 1897.
- WHIDBORNE, G. F. See HICKS, H.
- WHITAKER, W. & C. E. HAWKINS. Geological Survey of England and Wales. 1 inch map, n. s., 299, N.E. Winchester, 1896.
- , & T. V. HOLMES. Excursion to Chiselhurst. *Proc. Geol. Assoc.* xv, pp. 108-110. 1897.
- See HINDE, G. J.; see THOMSON, T.
- WHITE, C. A. Biographical Sketch of FIELDING BRADFORD MEEK. *Am. Geol.* xviii, pp. 337-350, pl. xii. 1896.
- WHITE, D. Age of the Lower Coals of Henry County, Missouri. *Bull. Geol. Soc. Am.* viii, pp. 287-304. 1897.
- WHITE, H. J. O. On the Origin of the High-level Gravel with Triassic Débris adjoining the Valley of the Upper Thames. *Proc. Geol. Assoc.* xv, pp. 157-174. 1897.
- *WHITE, I. C. Origin of the High-Terrace Deposits of the Monongahela River. *Am. Geol.* xviii, pp. 368-379. 1896. [See KNOWLTON, F. H.]
- WHITE, T. G. The Faunas of the Upper Ordovician Strata at Trenton Falls, Oneida Co. (N.Y.). *Trans. N.Y. Acad. Sci.* xv, pp. 71-98, figs., pls. ii-iv. 1896.
- WHITEAVES, J. F. Canadian Stromatoporoids. *Canad. Rec. Sci.* vii, pp. 129-146. 1896.
- WHITFIELD, R. P. Description of a New Genus of Fossil Brachiopod from the Lower Helderberg Limestones. *Bull. Am. Mus. Nat. Hist. N.Y.* viii, pp. 230-232, figs. 1896.
- 2. Notice and Description of New Species and a New Genus of Phyllocaridæ. *Ibid.* pp. 299-304, pls. xii-xiv. 1896.
- WHITTEN, W. M. See BAILEY, E. H. S.
- WICHMANN, A. Ueber den Breislakit. *Zeitschr. f. Kryst.* xxviii, pp. 529-544, pl. ix. 1897.
- 2. Der Ausbruch des Vulkans 'Tolo' auf Halmahera. *Ibid.* xlix, pp. 152-159. 1897.
- WIELAND, G. R. Eopalæozoic Hot Springs and the Origin of the Pennsylvania Siliceous Oolite. *Am. Journ. Sci.* ser. 4, iv, pp. 262-264, figs. 1897.
- WIJK, F. J. Om södra Finlands primitiva Formationer. *Fennia*, xii, no. 2, pp. 1-30. 1896.
- WILKINSON, S. B. See SYMES, R. G.
- WILLIAMS, H. S. On the Southern Devonian Formations. *Am. Journ. Sci.* ser. 4, iii, pp. 393-403, fig. 1897.
- 2. Geological Progress of the Century. *Harper's Monthly Mag.* 1897, pp. 907-920, figs. 1897. A.C.
- WILLIS, B. Drift Phenomena of Puget Sound and their Interpretation. *Geol. Mag.* dec. 4, iv, pp. 555-556. [Abstract.] 1897.
- WILLISTON, S. W. Note on the Mandible of *Ornithostoma*. *Kansas Univ. Quart.* iv, p. 61, pl. i. 1895.
- 2. On the Skull of *Ornithostoma*. *Ibid.* pp. 195-197. 1896.
- 3. Restoration of *Ornithostoma* (*Pteranodon*). *Ibid.* vi, pp. 35-51, fig., pl. ii. 1897.
- 4. Notice of some Vertebrate Remains from the Kansas Permian. *Ibid.* pp. 53-56, figs. 1897.
- 5. A New Plesiosaur from the Kansas Comanche Cretaceous. *Ibid.* p. 57. 1897.
- 6. *Brachysaurus*, a New Genus of Mosasaurs. *Ibid.* pp. 95-98. 1897.
- 7. On the Extremities of *Tylosaurus*. *Ibid.* pp. 99-102, figs., pls. ix-xii. 1897.
- 8. Restoration of Kansas Mosasaurs. *Ibid.* pp. 107-110, pl. xiii. 1897.
- 9. Range and Distribution of the Mosasaurs, with Remarks on Synonymy. *Ibid.* pp. 178-185, pl. xx. 1897.
- 10. A New Labyrinthodont from the Kansas Carboniferous. *Ibid.* pp. 209-210, fig., pl. xxi. 1897.
- WILSON, E. Guide to the Bristol Museum. 8th edition. Pp. 1-30, 1 pl. Svo. Bristol, 1897.
- WIMAN, C. Ueber *Dictyonema cavernosum* n. sp. *Bull. Geol. Inst. Univ. Upsala*, iii, pp. 1-13, figs., pl. i. 1897. And A.C.

- WIMAN, C. 2. Kambrisch-silurische Faciesbildungen in Jemtland. *Ibid.* pp. 269-304, figs., pls. v-vii. [Map, $\frac{1}{2,000,000}$.] 1897. And A.C.
 —. See TÖRNEBOHM, A. E.
- *WINCHELL, A. N. The Age of the Great Lakes of North America. *Am. Geol.* xix. pp. 336-339. 1897.
- *— 2. The Koochiching Granite. *Ibid.* xx. pp. 293-299. 1897.
- WINCHELL, H. V. The Lake Superior Iron-Ore Region (U.S.A.). *Trans. Fed. Inst. M. E.* xiii. pp. 493-562, figs., pl. xxiii. [Map.] 1897.
- *WINCHELL, N. H. Some new Features in the Geology of North-eastern Minnesota. *Am. Geol.* xx. pp. 41-51. 1897.
- *— 2. The Fisher Meteorite; with Chemical Analysis, by C. P. BERKEY. *Ibid.* pp. 316-318. 1897.
- 3. L'Extension du Système taconique vers l'Ouest. *Congrès géol. internat.* 1894, vi. pp. 272-308, fig. [Map, Lake Superior Region, 1 inch=90 miles.] 1897.
- , E. O. ULRICH, W. H. SCOFIELD, & J. M. CLARKE. The Geology of Minnesota. Vol. III. part ii. of the Final Report. Palaeontology. [Lower Silurian.] *Final Rep. Geol. Surv. Minnesota*, iii. pt. 2, pp. lxxiii-cxxix, 475-1081, figs., pls. xxxv-lxxxii. 1897.
- WINDAKIEWICZ, E. Wieliczka. *Berg-hütt. Jahrb. Wien*, xlv. pp. 111-126, 127-234, pls. i-iv. 1897.
- WINWOOD, H. H. On a Rhætic Exposure at Boyce Hill. *Proc. Bath Nat. Hist. F. C.* viii. pp. 306-316, pls. i-iii. 1897. And A.C.
- 2. Notes and Observations on the Earthquake of December 17th, 1896, contributed by Members of the Cotteswold Club. [Edited by.] *Proc. Cotteswold Nat. F. C.* xii. pp. 187-196. 1897.
- WITTELSBACH, A. O. Fragen und Anregungen, die sich an das Auftreten der Erze im Gangrevier La Carolina—Sta. Elena (Spanien) knüpfen. *Zeitschr. f. prakt. Geol.* 1897, pp. 5-12, figs. [Map, $\frac{1}{80,000}$.] 1897.
- *WOHLTMANN, —. Die verschiedenen Formen des afrikanischen Laterits. *Sitz. niederrhein. Gesellsch. Nat., &c., Bonn*, 1896, pp. 129-130. 1896.
- WÖLFER, T. Bericht über die Aufnahme im Sommer 1895 auf den Blättern: Fahrenholz, Woldegk und Neudamm. *Jahrb. k.-preuss. geol. Landesanst.* 1895, xvi. pp. xciv-cv, figs. 1896.
- WOLFF, J. E., & A. H. BROOKS. Age of the White Limestone of Sussex County, New Jersey. *Bull. Geol. Soc. Am.* viii. p. 397. 1897.
- *WOLFF, W. Die Fauna der südbayerischen Oligocænmolasse. *Palæontographica*, xliii. pp. 223-311, pls. xx-xxviii. 1897.
- WOLLEMAN, A. Die Bivalven- und Gastropoden-Fauna des Hilsconglomerats. *Jahresb. Ver. Naturw. Braunschweig*, x. pp. 185-186. 1897.
- 2. Ueber die Brachiopoda des Hilsconglomerats. *Ibid.* p. 200. 1897.
- 3. Ueber *Bos taurus primigenius minor*, Woll. *Ibid.* p. 208. 1897.
- 4. Kurze Uebersicht über die Bivalven und Gastropoden des Hilsconglomerats bei Braunschweig. *Zeitschr. deutsch. geol. Gesellsch.* 1896, xlviii. pp. 830-853, pl. xxi. 1897.
- WOLTERSTORFF, W. Vorlage von Gestein-Proben der Culmgraunacke von Magdeburg. *Zeitschr. deutsch. geol. Gesellsch.* xlix. *Protok.* pp. 19-21. 1897.
- WOODS, H. The Mollusca of the Chalk Rock. II. *Q. J. G. S.* liii. pp. 377-403, pls. xxvii-xxviii. 1897.
- WOODWARD, A. S. On two Mesozoic Crocodylians, *Notosuchus* and *Cynodontos*, from the Red Sandstones of the Territory of Neuquen (Argentine Republic). *An. Mus. La Plata, Paleont. Argent.* iv. pp. 1-20, pls. i & ii. 1896.
- *— 2. A Contribution to the Osteology of the Mesozoic Amiod Fishes *Caturus* and *Osteorachis*. *Ann. Mag. Nat. Hist.* ser. 6, xix. pp. 292-297, pls. viii & ix; pp. 379-387, pls. x & xi. 1897.
- 3. Observations on Señor AMEGHINO's 'Notes on the Geology and Palæontology of Argentina.' *Geol. Mag.* dec. 4, iv. pp. 20-23. 1897.
- 4. On a New Specimen of the Mesosaurian Reptile, *Stereosternum timidum*, from São Paulo, Brazil. *Ibid.* pp. 145-147, pl. v. 1897.
- 5. On a New Specimen of the Stegocephalan *Ceraterpeton Galvani*, Huxley, from the Coal Measures of Castlecomer, Kilkenny, Ireland. *Ibid.* pp. 293-298, pl. xii. 1897.
- *— 6. EDWARD DRINKER COPE. [Obit.] *Nat. Sci.* x. pp. 377-381, pl. iv. 1897.
- 7. On *Echidnocephalus*, a Halosauroid Fish from the Upper Cretaceous Formation of Westphalia. *Proc. Zool. Soc. London*, 1897, pp. 268-271, pl. xviii. 1897.
- WOODWARD, B. B. See KENNARD, A. S.
- WOODWARD, H. A Guide to the Fossil Mammals and Birds in the Department of Geology and Palaeontology in the British Museum (Natural History). 7th edition. Pp. i-xii, 1-103, figs. 8vo. London, 1896.

- WOODWARD, H. 2. A Guide to the Fossil Reptiles and Fishes in the Department of Geology and Palæontology in the British Museum (Natural History). Pp. i-xiv, 1-129, figs. 8vo. London, 1896.
- 3. A Guide to the Fossil Invertebrates and Plants in the Department of Geology and Palæontology in the British Museum (Natural History). Pp. i-xvi, 1-158, figs. 8vo. London, 1897.
- 4. Obituary of the Rev. ROBERT HUNTER. *Geol. Mag.* dec. 4, iv. pp. 382-384. 1897. And A.C.
- 5. Visit to the British Museum (Natural History), Cromwell Road. *Proc. Geol. Assoc.* xv. pp. 85-87. 1897.
- 6. Titles of Scientific Papers, &c. by. 1858-77, 1877-97. Pp. 1-12, 1-16. 8vo. Hertford, 1877-97.
- WOODWARD, H. B. Notes on Sections along the London Extension of the Manchester, Sheffield, and Lincolnshire Railway between Rugby and Aylesbury. *Rep. Brit. Assoc.* 1896, lxvi. pp. 798-799. 1896.
- 2. Eminent Living Geologists: The Rev. P. B. BRODIE, M.A., F.G.S. *Geol. Mag.* dec. 4, iv. pp. 481-485, pl. xx. 1897. And A.C.
- 3. The Chalky Boulder Clay and the Glacial Phenomena of the Western-Midland Counties of England. *Ibid.* pp. 485-497, figs. 1897. A.C.; & [Abstract] *Rep. Brit. Assoc.* 1897 (pp. 1, 2). 1897. A.C.
- 4. Obituary of CHARLES TOMLINSON. *Geol. Mag.* dec. 4, iv. pp. 191-192. 1897.
- 5. Obituary of the Rev. JOHN EDWARD CROSS. *Ibid.* p. 192. 1897.
- 6. The International Geological Congress. *Nature*, lvi. pp. 104-105. 1897.
- 7. The Rev. P. B. BRODIE. *Ibid.* lvii. pp. 31-32. 1897.
- 8. A Memoir of THOMAS BEESLEY. *Proc. Warwick. Nat. Field Club*, 1897 (14 pp.). 1897. A.C.
- . See FOX-STRANGWAYS, C.
- , & H. MILLER. Geological Survey of Scotland. 1-inch Map. Sheet 103. Golspie. 1896.
- WOODWARD, H. P. Coal in Western Australia. *Coll. Guard.* lxxiii. p. 266. 1897.
- 2. The Dry Lakes of Western Australia. *Geol. Mag.* dec. 4, iv. pp. 363-366. 1897. And A.C.
- 3. The so-called Lode Formation of Hannans, and Telluride Deposits, in Western Australia. *Ibid.* pp. 550-553. 1897.
- . See ANON., 27.
- *WOODWORTH, J. B. Memoir of CHARLES THOMAS JACKSON. *Am. Geol.* xx. pp. 69-110, pl. iv. 1897.
- 2. Unconformities of Martha's Vineyard and of Block Island. *Bull. Geol. Soc. Am.* viii. pp. 198-212, figs., pl. xvi. [Map, Island of Martha's Vineyard.] 1897.
- 3. On the Fracture System of Joints, with Remarks on certain Great Fractures. *Proc. Boston Soc. Nat. Hist.* xxvii. pp. 163-183, pls. i-v. 1896.
- WORTMAN, J. L. Species of *Hyracotherium* and allied Perissodactyls [*Sty-stemodon*] from the Wahsatch and Wind River Beds of North America. *Bull. Am. Mus. Nat. Hist. N.Y.* viii. pp. 81-110, figs., pl. ii. 1896.
- 2. *Psittacotherium*, a Member of a New and Primitive Suborder of the Edentata. *Ibid.* pp. 259-262. 1896.
- WOTTON, F. W. See HOWARD, F. T.
- WRIGHT, J. Boulder Clay, a Marine Deposit. *Proc. Geol. Soc. Glasgow*, x. pp. 263-269, 270-272. 1896.
- WULFF, G. Die Symmetrieebene als Grundelement der Symmetrie. *Zeitschr. f. Kryst.* xxvii. pp. 556-558, pl. vi. 1897.
- *WÜLFING, E. A. Die Meteoriten in Sammlungen und ihre Literatur, nebst einem Versuch den Tauschwerth der Meteoriten zu bestimmen. Pp. i-xlvi, 1-462. 8vo. Tübingen, 1897.
- WYRUBOV, G. Recherches sur les Silicotungstates. *Bull. Soc. franç. Min.* xix. pp. 219-237. 1896.
- *WYSSOTSKI, N. Les Gisements d'Or du Système de Kotchkar dans l'Oural du Sud. *Guide, VII. Congrès géol. internat.* 1897, no. 6, pp. 1-6. [Map, 1 inch= 1 kilom.] 1897.
- YALE, C. G. [Sheet] showing by Counties the Mineral Productions of California for the Year 1896. *Bull. Cal. State Mining Bur.* no. 12. 1897.
- YAMAGAMI, M. See KOCHIBE, T., &c.
- YAMASAKI, N. On the Piedmontite-rhyolite from Shinano. *Journ. Coll. Sci. Tokyo*, ix. pp. 117-122, pl. vi. [Map, Ueda, $\frac{1}{150,000}$.] 1897.
- YOUNG, J. On the Occurrence of Pyroxene or Augite in two Localities in Western Scotland [Fairlie (Ayr), Campsie Fells (Stirling)]. *Trans. Geol. Soc. Glasgow*, x. pp. 13-15. 1895.

- YOUNG, J. 2. On the Protoconch of *Orthoceras*, and on the Evidence of its Remains in certain Scottish Carboniferous Species. *Ibid.* pp. 139-141. 1895.
- 3. Notes on the Occurrence of Ctenostomatous Polyzoa in the Carboniferous Limestone of Western Scotland. *Ibid.* p. 142. 1896.
- 4. Notes on the Ostracoda found in the Lacustrine, or Freshwater, Strata of the Campsie District, which alternate with the Lower Beds of the Carboniferous Marine Limestone Series. *Ibid.* pp. 334-336. 1896.
- ZACHARIÆ, —, & E. C. RASMUSSEN. Relative Pendulmaalinger i København og paa Bornholm med Tilknytning til Wien og Potsdam. *Overs. K. danske Vidensk.-Selsk. Forh.* 1897, pp. 53-184, pl. 5. 1897.
- ZAYTOUN, F. S. Cape Jubu. [Tekna, N.W. Africa.] *Scot. Geogr. Mag.* xiii. pp. 113-120. 1897.
- ZELLER, R. The Fossil Imprints of the Dover Coal-boring. *Trans. N. Engl. Inst. Min. & Mech. Eng.* xiv. pp. 270-272. 1896.
- 2. Remarques sur la Flore de l'Altaï à propos des dernières Découvertes paléobotaniques de MM. les Drs. Bodenbender et Kurtz dans la République Argentine. *Bull. Soc. géol. France*, ser. 3, xxiv. pp. 466-487. 1896.
- 3. The Reference of the Genus *Vertebraria*. Translated by E. VREDEBERG. *Rec. Geol. Surv. India*, xxx. pp. 43-44. 1897.
- 4. Les Provinces botaniques de la Fin des Temps primaires. *Rev. gén. Sci. Paris*, 1897, viii. pp. 5-11. 1897. A.C.
- *ZEISE, O. Die Spongien der Stramberger Schichten. *Palæontographica*, Supp. ii. no. 8, pp. 283-353, pls. xix-xxi. 1897.
- ZELÍZKO, J. V. Beitrag zum Studium des Weissberger Pläners bei Neu-Straschitz. *Verh. k.-k. geol. Reichsanst.* 1897, pp. 173-176. 1897.
- ZELLER, R. Ein geologisches Querprofil durch die Centralalpen. *Mitth. naturf. Gesellsch. Bern*, 1895, pp. 45-114, figs., 1 pl. 1896.
- 2. Nachträge zu meinem geologischen Querprofil durch die Centralalpen. *Ibid.* 1896, pp. 1-7, fig. 1897.
- ZIETZ, A. H. C. See STIRLING, E. C., &c.
- ZIMMERMANN, E. Die geologische Aufnahme Finnlands. *Zeitschr. f. prakt. Geol.* 1897, pp. 73-77. 1897.
- *ZIRKEL, F. Elemente der Mineralogie. 1 Hälfte: Allgemeiner Theil. Pp. 1-386, figs. 8vo. Leipzig, 1897.
- ZITTEL, K. A. von. Ontogenie, Phyllogenie und Systematik. *Congrès géol. internat.* 1894, vi. pp. 123-136. 1897.
- ZOLLINGER, E. Sur les Dépôts glaciaires de la Vallée de l'Aar. *C. R. Soc. helv. Sci. nat.* 1896, pp. 127-129. 1896.
- 2. Ueber die glacialen Ablagerungen im Aarethal. *Eclogæ Geol. Helv.* v. pp. 45-47. 1897.
- ZUBER, R. Petroleum und Salz in Rumänien. *Zeitschr. f. prakt. Geol.* 1897, p. 224. 1897.
- ZÜRCHER, P. Compte-rendu de la Course du 23 septembre de Digne à Barrême. *Bull. Soc. géol. France*, ser. 3, xxiii. pp. 866-873. 1896.
- 2. Compte-rendu de la Course du 24 septembre de Barrême à Blioux et Castellane. *Ibid.* pp. 902-916, pl. xxv. 1896.
- 3. Compte-rendu de la Course du 25 septembre de Castellane à la Palud-de-Moustiers. *Ibid.* pp. 917-929, figs., pls. xxiii-xxiv. 1896.
- 4. Compte-rendu de la Course du 26 septembre de Castellane à la Jaby et de Castellane à Saint-André. *Ibid.* pp. 931-937, figs., pl. xxv. 1896.
- 5. Notes sur la Structure de divers Points de la Région de Castellane. *Ibid.* pp. 938-948, figs., pls. xix, xx, & xxvi. 1896.
- 6. Note sur les Environs de Chabrières. *Ibid.* pp. 982-990, pl. xxi. 1896.
- 7. Liste bibliographique des Publications relatives à la Région de Castellane. *Ibid.* pp. 991-1008. 1896.
- 8. Feuille de Digne. *Bull. Serv. Carte géol. France*, ix. no. 59, pp. 156-158. 1897.
- See KILIAN, W., &c.

ADDENDUM.

- BONTSCHIEV, S. Das Tertiärbecken von Haskovo (Bulgarien). *Jahrb. k.-k. geol. Reichsanst.* xlvi. pp. 309-384, figs., pls. iii-vii. [Map, ¹/_{1:250,000}] 1896.

SUBJECT INDEX.*

- Aare Glacier Deposits (Switzerland).
See Baltzer, A.
- Valley (Switzerland). See Wallace,
A. R.
- (—) Glaciation. See Zol-
linger, E.
- Aargau (Switzerland). See Mühlberg, F.;
see Schmidt, C.
- Abram (Lancs). See Caldwell, G.
- Acacocrinus*. See Wachsmuth, C., &c.
- Acambona*. See Hall, J., &c.
- Acanthoceras*. See Parona, C. F., &c.;
see Steinmann, G., & K. Gerhardt.
- Acanthocladia*. See Simpson, G. B.
- Acanthoclema*. See Simpson, G. B.
- Acanthocrinus*. See Frech, F.
- Acanthodictya*. See Dawson, Sir J. W.
- Acanthodidae*. See Emery, C.
- Acanthogyra*. See Ogilvie, M. M.
- Acanthonautilus*. See Foord, A. H.
- Acanthoteuthis*. See Crick, G. C.
- Acaste*. See Beecher, C. E.
- Acer*. See Ettingshausen, C. von; see
Menzel, P.; see Paolucci, L.
- Aceratherium*. See Hatcher, J. B.; see
Toula, F.
- Acidaspis*. See Beecher, C. E.; see
Beyer, E.; see Frech, F.; see Törn-
quist, S. L.
- Acrocrinus*. See Wachsmuth, C., &c.
- Acrogenia*. See Simpson, G. B.
- Acrosauridae*. See Dames, W.
- Actæon*. See Cossmann, M.; see Hall,
T. S., &c.; see Harris, G. F.
- Actæonella*. See Cossmann, M.; see
Peron, A.
- Actinacis*. See Ogilvie, M. M.
- Actinocamax*. See Stolley, E.
- Actinoceras*. See Winchell, N. H., &c.
- Actinocrinus*. See Julien, A.; see Mil-
ler, S. A., &c.; see Wachsmuth, C.,
&c.
- Actinodesma*. See Frech, F.
- Actinolite, Melting Point. See Cusack,
R.
- Actinotrypa*. See Simpson, G. B.
- Adamellite. See Kolderup, C. F.
- Adamello Alps (Lombardy). See Salo-
mon, W.
- (—) (—), Palæo-volcanic rocks.
See Riva, C.
- Adelactæon*. See Harris, G. F.
- Adelaide (S. Australia), Boring near.
See Howchin, W.
- Adelberg (Carniola). See Kossmat, F.
- Adenau (Rhenish Prussia). See Kayser,
E.
- Adeona*. See Hall, T. S.
- Adiantus*. See Ameghino, F.
- Adirondacks (N.Y.). See Cushing, H.
P.; see Van Hise, C. R., &c.; see
Hitchcock, C. H.; see Kemp, J. F.;
see Rice, W. N., &c.; see Taylor, B. F.
- Adriatic Region. See Suess, E.
- Shore Sand. See Artini, E.
- Adshi-daria-Gulf (Caspian Sea). See
Andrussov, N.
- Æglina*. See Beecher, C. E.; see Postle-
thwaite, J.
- Ægoceras*. See Parona, C. F.
- Ægoceratidæ*. See Bode, G.
- Æpyornis*. See Anon., 35; see Andrews,
C. W.
- Aetz-figures of gypsum. See Viola, C.
- Afgán-Balúch Boundary Commission
Specimens. See Holland, T. H.
- Afghanistan. See McMahon, A. H.
- Nemalite. See Mallet, F. R.
- Aflenz (Styria). See Krasan, F.
- Africa. See Gibson, W.; see Suess, E.
- (Central). See Cole, E. M.
- (East). See Andrade, A. A. F. de.
- (—), Coal. See Hauchecorne, —.
- (Equatorial). See Cornet, J.
- (—), Lakes. See Moore, J. E. S.
- (—), Uganda, Unyoro, & Upper
Nile. See Vandeleur, C. F. S.
- , Geology & Mineral Wealth. See
Gibson, W.
- (North). See Beyrich, E., &c.; see
Lyons, H. G., &c.
- (—), Changed Climate. See Pé-
roche, J.
- (—), Sahara. See Baltzer, A.;
see Flamand, G. B.
- (N.W.). See Zaytoun, F. S.
- (W. Equatorial). See Kœnen, A.
von.
- (South). See Bain, A. G.; see
Gibson, W.; see Shepherd, P. G.
- (—). See Cape Colony, Transvaal,
Rhodesia, &c.
- (—), Association of *Sigillaria*
and *Glossopteris* in. See Draper, D.,
& Seward, A. C.
- (—), Bibliography. See Saun-
ders, H. P.
- (—), Coal. See Hallimond, W.
T.
- (—), Coalfields. See Johns, P.

* All fossil-names are those of genera which are figured or occur in the titles of papers.

- Africa (South), Diamantiferous Deposits. See Crookes, W.; see Gürich, G.; see Lewis, H. C.; see Launay, L. de.
- (—), Goldfields. See Bordeaux, A.; see Transvaal, &c.
- (—), Karoo Formation. See Launay, L. de.
- (—), Kimberley Rocks. See Bonney, T. G.
- (—), Plants. See Seward, A. C.
- (—), Reptilia. See Seeley, H. G.
- (—), Rhodesia. See Halder, A. H.
- (—), Sabie Valley (Transvaal). See Moor, C. W.
- (—), Transvaal Coalfields. See Gascoyne, R.; see Hallimond, W. T.; see Lloyd, H.
- (—), Zululand. See Gerrard, J. J.
- (South & West), Igneous Rocks. See John, C. von.
- African Laterite. See Wohltmann, —.
- Agaricoerinus*. See Miller, S. A., &c.; see Wachsmuth, C.
- Agassicerus*. See Parona, C. F.
- Agassiz, Lake. See Tyrrell, J. B.
- Agnesia*. See Beyer, E.; see Ehlert, D. P.
- Agnostus*. See Beecher, C. E.; see Frech, F.; see Kayser, E.; see Matthew, G. F.
- Agricolite. See Frenzel, A.
- Agriculture & Drift, Ireland. See Kilroe, J. R.
- Agriocrinus*. See Frech, F.
- Airdrie (Lanark), Peat in Boulder Clay near. See Binnie, J.
- Aix-la-Chapelle Sands. See Ubaghs, C.
- Alabama Gold Regions. See Phillips, W. B.
- Iron Ores. See McCalley, H.; see Phillips, H.
- Alais (Gard). See Cayeux, L.
- Åland (Finland). See Frosterus, B.
- Alaria*. See Loriol, P. de; see Peron, A.
- Alaska. See Cushing, H. P.; see Reid, H. F.
- Glaciers. See Russell, I. C.
- Albemarle Co. (Va). See Merrill, G. P.
- Albertville (Savoy). See Douxami, H.; see Kilian, W.; see Lugeon, M.
- Albesti (Roumania). See Popivici-Hatzeg, —.
- Albian. See Parona, C. F., &c.
- Albite Schist, Argyllshire. See Gunn, W., &c.
- Alcantara (Estremadura). See Cardoso, F.
- Alectryonia*. See Newton, R. B.
- Alexandrovsk (Ekaterinoslav Gov.). See Sokolov, N.
- Alexin (Tula). See Nikitin, S.
- Algae. See Potonié, H.
- , Cambrian. See Dawson, Sir J. W.
- , Flysch. See Rothpletz, A.
- Algae, Silurian. See Dawson, Sir J. W.
- Algeria. See Baltzer, A.; see Brive, A.; see Fischeur, E.; see Flamand, G. B. M.; see Welsch, J.
- , Cretaceous Ammonites. See Peron, A.
- , Jurassic. See Leonhardt, F.
- , Ophitic Rocks. See Curie, J.; see Gentil, L.
- , Quaternary Mammals. See Pomel, A.
- , Tertiaries. See Blayac, —; see Depéret, C.; see Welsch, J.
- , Tertiary Fauna. See Douvillé, H.
- , Volcanic Minerals. See Gentil, L.
- Algiers (Algeria), Pliocene. See Welsch, J.
- Algonkian Region. See Van Hise, C. R., &c.
- , Scandinavian. See Törnebohm, A. E.
- Allagecrinus*. See Wachsmuth, C., &c.
- Allauch Massif (Provence). See Bertrand, M.; see Fournier, E.
- Allenstein (Prussia). See Lepsius, R.
- Allerisma*. See Kayser, E.
- Allocrinus*. See Wachsmuth, C., &c.
- Alloidesma*. See Winchell, N. H., &c.
- Alloprosalloerinus*. See Wachsmuth, C., &c.
- Allos Lakes (Basses-Alpes). See Delebecque, A.
- Allosaurus*. See Marsh, O. C.
- ALLPORT, S. See Bonney, T. G.
- Alluvial Deposits, Switzerland. See Baltzer, A.
- Mammalian Teeth from near Rome. See Meli, R.
- Alluvium, Cutch (India). See Blake, J. F.
- , Hampshire. See Shore, T. W.
- , Hungarian. See Halaváts, J.; see Inkey, B. von.
- , Livonian. See Doss, B.
- , Prussia. See Jentzsch, A.
- Alnó Island (Sweden). See Sahlbom, N.
- Alnus*. See Paolucci, L.
- Alpes-Maritimes (France). See Bertrand, L.; see Guébard, A.
- Alpine Glaciers. See Forel, F. A., &c.; see Girod, P.; see Kendall, P. F.
- Lakes. See Baltzer, A.; see Delebecque, A.
- Trias. See Bittner, A.
- Alps. See Bertrand, L.; see Bertrand, M.; see Bonney, T. G.; see Douxami, H.; see Duparc, L.; see Fabre, E.; see Guébard, A.; see Haug, E.; see Hollande, —; see Kilian, W.; see Lory, P.; see Lugeon, M.; see Paquier, V.; see Riche, A.; see Schardt, H.; see Salomon, W.; see Suess, F.; see Ternier, P.; see Zürcher, P.
- , Bernese. See Guyer-Zeller, —.
- , Carnic. See Salomon, W.
- , Central. See Schmidt, C.; see Weinschenk, E.; see Zeller, R.

- Alps, Eastern. *See* Heim, G.
 —, Italian. *See* Schmidt, C.
 —, North Italian. *See* Salomon, W.;
see Vigo, G.
 —, Roumanian. *See* Toula, F.
 — (Southern). *See* Schardt, H.
 — (—), Interglacial Flora. *See*
 Baltzer, A.; *see* Fischer, E.
 —, Swabian. *See* Fraas, E.
 —, Swiss. *See* Haug, E.
 —, Transylvanian, &c. *See* Toula, F.
 —, Tyrolese. *See* Habert, P. C.
 —, Venetian. *See* Böhm, G.; *see* Vi-
 nassa de Regny, P. E.
 — (Western). *See* Kilian, W.; *see*
 Lory, P.; *see* Lugeon, M.
 Alsace, Carboniferous Fauna. *See* Törn-
 quist, A.
 Alsace-Lorraine. *See* Benecke, E. W.
 Altaï (Siberia). Permo - Carboniferous
 Plants. *See* Zeiller, R.
 Altaite. *See* Anon., 43; *see* Louis, H.
 Altels Glacier (Valais). *See* Pasquier,
 L. du.
 Aluminite. *See* Anon., 42.
 Aluminium. *See* Day, D. T., &c.
 Aluta. *See* Matthew, G. F.
 Alveolina. *See* Verbeek, R. D. M., &
 R. Fennema.
 Alveolites. *See* Gürich, G.
 Amaltheus. *See* Rasetti, G. E.; *see*
 Steinmann, G., &c.
 Amber, Insects in. *See* Tosi, A.
 —, Plants in, Ayrshire. *See* Smith,
 J.
 — with Microscopic Fossil Plants,
 Ayrshire Coalfield. *See* Smith, J.
 Amber-bearing Sands, Copenhagen. *See*
 Sarauw, G. F. L.
 Amberleya. *See* Levi, G.
 Ambocelia. *See* Hall, J., &c.
 Ambon (E. Indies). *See* Martin, K.
 Ambonychia. *See* Winchell, N. H., &c.
 America. *See* Suess, E.
 — (Central). *See* Sapper, C.
 — (—), Volcanoes. *See* Gosling, A.
 — (Central & South), Vulcanology,
 1894. *See* Rudolph, E.
 —, Mountains. *See* Holden, E. S.
 — (North), Age of the Great Lakes.
See Winchell, A. N.
 — (—), Dinosaurs. *See* Marsh, O. C.
 — (—), Eocene Lemurs. *See* Earl,
 C.
 — (—), Glaciation. *See* Upham, W.
 — (—), Glaciers. *See* Russell, I. C.
 — (—), Great Plains. *See* Dawson,
 G. M.
 — (—), Lower Silurian. *See* Sar-
 deson, F. W.
 — (—), Palæozoic Crinoidea. *See*
 Wachsmuth, C.
 — (—), Pleistocene Ice-sheet. *See*
 Crosby, W. O.
 — (—), Pre-Cambrian Rocks. *See*
 Van Hise, C. R., &c.
 — (South). *See* Nordenskjöld, O. A.;
see Stelzner, A. W.
- America (South), Entomostraca. *See*
 Jones, T. R.
 — (—), Jurassic Fauna. *See* Steuer,
 A.
 — (—), Patagonia. *See* Norden-
 skjöld, O. A.
 — (—), Palæozoic Fauna. *See*
 Kayser, E.
 — (—), Tertiary Mammalia. *See*
 Ameghino, F.
 —, Volcanic Activity, 1894. *See* Ru-
 dolph, E.
 American Geology. *See* Dana, J. D.
 — Jurassic Reptilia. *See* Marsh, O.
 C.
 — Museum of Natural History. *See*
 Jesup, M. K.
 — (North) Palæozoic Fauna. *See*
 Matthew, G. F.
 — Petroleum. *See* Day, D. T.; *see*
 Mabery, C. F.; *see* Peckham, S. F.;
see Phillips, F. C.; *see* Sadtler, S. P.
 — Quaternary. *See* Hershey, O. H.
 — Tertiary Mammals. *See* Osborn,
 H. F.; *see* Wortman, J. L.
 Amiata, Monte (Lombardy). *See* Kloos,
 J. H.; *see* Spirek, V.
 Ammonite, Greek Triassic. *See* Dou-
 villé, H.
 — Shells, Transport. *See* Walther,
 J.
 —, Tong King, Triassic. *See* Diener,
 C.
 — Zones, Mont d'Or (Rhône), In-
 ferior Oolite. *See* Riche, A.
 Ammonites. *See* Crick, G. C.; *see* Gal-
 linek, E.; *see* Honnorat-Bastide, E. F.;
see Smith, J. P.
 —, Albian. *See* Parona, C. F., &c.
 —, Algerian Cretaceous. *See* Peron,
 A.
 —, Arkansas Carboniferous. *See*
 Smith, J. P.
 —, Cretaceous. *See* Kossmat, F.; *see*
 Leonhard, R.
 —, Franz Josef Land. *See* Newton,
 E. T., &c.
 — in Sea Deposits. *See* Walther, J.
 —, Jurassic. *See* Bode, G.; *see*
 Hochstetter, E. von; *see* Noetling, F.;
see Törnquist, A.
 —, Lias. *See* Rasetti, G. E.
 —, Lombardy Liassic. *See* Parona,
 C. F.
 —, South-American Jurassic. *See*
 Steuer, A.
 —, Swabian Jurassic. *See* Engel, T.
 —, Triassic. *See* Hauer, F. von; *see*
 Lorenzo, G. de; *see* Mojsisovics, E.
 von.
 —, Tunisian Cretaceous. *See* Peron,
 A.
 Ammonoidea. *See* Foord, A. H., &c.
 Amoria. *See* Harris, G. F.
 Amphibian Devonian Footprints. *See*
 Marsh, O. C.
 Amphibolite Rocks, Isère (Dauphiné).
See Duparc, L.

- Amphibolite, Lower Tauern (Styria). See Ippen, J. A.
- Amphibrachium*. See Cayeux, L.
- Amphiceras*. See Fucini, A.
- Amphigenia*. See Beyer, E.; see Hall, J., &c.
- Amphihelia*. See Osasco, E.
- Amphipeltis*. See Matthew, G. F.
- Amphipora*. See Gürich, G.
- Amphistegina*. See Kossmat, F.
- Amphistræa*. See Ogilvie, M. M.
- Amphora*. See Elmore, C. J.
- Amphoracrinus*. See Wachsmuth, C., &c.
- Amplexopora*. See Simpson, G. B.
- Amplexus*. See Gürich, G.; see Julien, A.; see Miller, S. A., &c.
- Ampullina*. See Cossmann, M.; see Peron, A.; see Vinassa de Regny, P. E.
- Ampyx*. See Beecher, C. E.
- Anabaia*. See Hall, J., &c.
- Analcite. See Fromme, J.
- Anarcestes*. See Frech, F.
- Anastomopora*. See Simpson, G. B.
- Anastrophia*. See Hall, J., &c.
- Anatase. See Cayeux, L.
- Anatibetites*. See Mojsisovics, E. von.
- Anatina*. See Loriol, P. de.
- Anatomites*. See Mojsisovics, E. von.
- Anchisaurus*. See Marsh, O. C.
- Ancillararia*. See Wolff, W.
- Ancona (N.E. Italy), Tertiary Plants. See Paolucci, L.
- Ancyloceras*. See Leonhard, R.
- Andalusia, North (Spain), Lead & Silver. See Wittelsbach, A. O.
- Andernach (Rhenish Prussia), Post-diluvial Volcanics. See Kœnen, C.
- Andes, Argentine. See Steuer, A.
- , Chili. See Mörick, W.
- , Patagonian. See Lista, R.; see Steffen, H.
- (S. America). See Holden, E. S.; see Ochsenius, C.
- Andesite. See Berwerth, F.
- , Alaska. See Cushing, H. P.
- , Asia Minor. See Washington, H. S.
- , N.S.W. See Card, G. W.
- , Ponza Island. See Sabatini, V.
- , Westervald (Wiesbaden). See Dannenberg, A.
- Andesites, Asiatic. See McMahon, C. A.
- Andromeda*. See Paolucci, L.
- Annelids, Italian Tertiary. See Rovereto, G.
- Angermünde (Rhenish Prussia). See Michael, R.
- Anglès (Gard). See Pellat, E., &c.
- Anglesey Crush - Conglomerates. See Geikie, Sir A.
- Gneisses. See Callaway, C.
- , Pre-Cambrian Era. See Hicks, H.
- , Sillimanite-Gneisses & Quartzite Lenticles in Schists. See Greenly, E.
- Anglesite. See Büttgenbach, H.; see Spencer, L. J.
- Angoulême (Charente), Jurassic. See Glangeaud, P.
- Angra Pequena River (S.W. Africa). See John, C. von.
- Anholt (Denmark). See Jessen, A.
- Aniene Valley (Rome). See Angelis d'Ossay, G.
- Animals, Origin of British. See Carpenter, G. H.
- Annalong (Co. Down). See Cole, G. A. J.
- Annecy (Savoy). See Douxami, H.
- Annesley (Notts), sections along Manchester & Lincoln Railway to Rugby (Warwick). See Fox-Strangways, C.
- Anodonta*. See Wolff, W.
- Anodontopsis*. See Reed, F. R. C.
- Anoite. See Sahlbom, N.
- Anomalina*. See Burrows, H. W., &c.; see Morton, F. S.
- Anomia*. See Kœnen, A. von; see Wolff, W.
- Anomozamites*. See Nathorst, A. G.; see Newton, E. T., &c.
- Anoplotheca*. See Frech, F.; see Hall, J., &c.
- Anorthosite, Canadian. See Low, A. P.
- , Rainy Lake (Ont.). See Coleman, A. P.
- Antarctic Region. See Aretowski, H.; see Forbes, H. O.; see Trevor-Battye, A.
- Antedon*. See Pellat, E., &c.; see Wachsmuth, C., &c.
- Anthée Cave (Namur). See Fraipont, J.
- Antillean Region, Tertiary Fauna. See Guppy, R. J. L.
- Antholithes*. See Menzel, P.
- Anthophyllite. See Weinschenk, E.
- Anthracite. See Katzer, F.
- , Colombia (S. Am.). See Damour, A.
- Disturbances. See Huxham, H.
- in Porphyry. See Katzer, F.
- Anthracomya*. See Bolton, H.
- Anthracotherium-dentition*. See Flores, E.
- Anthropology. See Munro, R.
- Antigua, Fossil Wood. See Stenzel, G.
- Antilles. See Suess, E.
- Antimony. See Day, D. T., &c.
- , Californian. See Crawford, J. J.
- Antrim Co. See Cole, G. A. J.
- Cretaceous Strata. See Hume, W. F.
- Antwerp (Belgium), Plaisanien. See Bernays, E.
- (—), Poederlian. See Delheid, E.
- Anzio (Rome). See Meli, R.
- Aorocrinus*. See Wachsmuth, C., &c.
- Aparchites*. See Winchell, N. H., &c.
- Apatite. See Card, G. W.; see Holmes, J. A.; see Rammelsberg, C.
- (Blue). See Carnot, A.
- , Sweden. See Andersson, J. G.
- Apatosaurus*. See Marsh, O. C.

- Apennine Jurassic Fauna. *See* Canavari, M.
 — Peninsula (Italy). *See* Fischer, T.
 — (Central), Cretaceous. *See* Bonarelli, G.
 Apes. *See* Munro, R.
 —, Ancestors of. *See* Earl, C.
 —. *See* Monkeys.
 Aphyllites. *See* Frech, F.; *see* Gürich, G.
 Aphyllum. *See* Solms-Laubach, Count H.
 Apiocrinus. *See* Bather, F. A.
 Aplite. *See* Berwerth, F.
 Apocynophyllum. *See* Ettingshausen, C. von; *see* Paolucci, L.
 Apodidæ. *See* Bernard, H. M.
 Apophyllite. *See* Habert, P. C.; *see* Fromme, J.
 Aporhyolite, Pennsylvania. *See* Bascom, F.
 Aporrhais. *See* Leonhard, R.; *see* Wolf, W.
 Appalachian Region Coal (U.S.A.). *See* Head, J.
 Appalachians (U.S.A.), Former Extension. *See* Branner, J. C.
 Appleby (Westmoreland). *See* Dakyns, J. R., &c.
 Apricardia. *See* Peron, A.
 Aptocephalus. *See* Brögger, W. C.
 Aptychus. *See* Gallinek, E.; *see* Steuer, A.
 Aquila (Abruzzi). *See* Levi, G.
 Arabia Petræa. *See* Hull, E.
 Aran Mowddwy (Merioneth). *See* Cope, T. H.
 Arbutites. *See* Paolucci, L.
 Arca. *See* Kœnen, A. von; *see* Peron, A.; *see* Steinmann, G., &c.; *see* Vinnassa de Regny, P. E.; *see* Wolf, W.; *see* Woods, H.
 Arcestes. *See* Mojsisovics, E. von.
 Archaeophyton. *See* Dawson, Sir J. W.
 Archæan, Canadian. *See* Adams, F. D.; *see* Dawson, G. M.; *see* Low, A. P.; *see* Tyrrell, J. B., &c.
 —, Congo (Equatorial Africa). *See* Cornet, J.
 —, Continents. *See* Lomas, J.
 —, Fauna, Canada. *See* Dawson, Sir J. W.
 —, Fossils, Virginia. *See* Darton, N. H.
 —, Graphite. *See* Callaway, C.
 —, North-American. *See* Van Hise, C. R., &c.
 —, Plant-like Casts. *See* Nathorst, A. G.
 —, Rocks, Anglesey. *See* Callaway, C.
 —, Peculiar Concretions (?). *See* Nathorst, A. G.
 —, Scandinavian. *See* Törneböhm, A. E.
 —, Southern Finland. *See* Wiik, F. J.
 Archæan Rocks, Sudbury (Ont.). *See* Walker, T. L.
 Archæocalamites. *See* Solms-Laubach, Count H.
 Archæocidaris. *See* Julien, A.; *see* Törnquist, A.
 Archæocrinus. *See* Wachsmuth, C., &c.
 Archæocyathus. *See* Dawson, Sir J. W.
 Archæohyrax. *See* Ameghino, F.
 Archæolepas. *See* Steinmann, G., & K. Gerhardt.
 Archæolophus. *See* Ameghino, F.
 Archæopithecus. *See* Ameghino, F.
 Archæopteris. *See* Dun, W. S.; *see* Fritsch, K. von.
 Archæopteryx. *See* Dames, W.
 Archæoscolex. *See* Matthew, G. F.
 Archæozoom. *See* Dawson, Sir J. W.
 Archegosaurus. *See* Jækel, O.
 Archimedes. *See* Simpson, G. B.
 Archinacella. *See* Winchell, N. H., &c.
 Arctic Deposits. *See* Dickson, E., &c.
 — Expedition, Jackson-Harnsworth. *See* Anon., 37.
 — Geology. *See* Conway, Sir W.; *see* Gregory, J. W.; *see* Newton, E. T., &c.
 —, Glaciers, Variations. *See* Rabot, C.
 —, Jurassic Plants. *See* Nathorst, A. G.
 —, Land-Elevation. *See* Watson, T. L.
 —, Mesozoic Flora. *See* Nathorst, A. G.
 —, Norwegian Expedition. *See* Supan, A.
 —, Plants in Peat in Boulder Clay. *See* Binnie, J.
 —, Regions. *See* Hume, W. F.; *see* Nansen, F.; *see* Ramond, G., &c.; *see* Trevor-Batye, A.
 —, Rock-Weathering. *See* Tarr, R. S.
 —, Sea-Ice a Geological Agent. *See* Tarr, R. S.
 —, Tertiary Marine Mollusca. *See* Nathorst, A. G.
 Arctica. *See* Woods, H.
 Arctomys. *See* Koch, A.
 Arctopodium. *See* Solms-Laubach, Count H.
 Ardennes. *See* Gosselet, J.
 —, Gold. *See* Dewalque, G.
 —, La Roche Clays. *See* Stainier, X.
 'Ardoises,' Pyrenees. *See* Carey, L.; *see* Stuart-Menteth, P. W.
 Arethusina. *See* Törnquist, S. L.
 Argentina (S. America). *See* Hoskold, H. D.; *see* Longridge, C. C.; *see* Valentin, J.
 —, Devonian & Gondwana. *See* Bodenbender, G.
 —, during the Later Geological Epochs. *See* Ameghino, F.
 —, Fossil Birds. *See* Mercerat, A.
 —, Mineral Resources. *See* Rowbotham, J. McK.

- Argentina, Palæontology. *See* Ameghino, F.; *see* Woodward, A. S.
 —, Palæozoic Fauna. *See* Kayser, E.
 —, Permo-Carboniferous Plants. *See* Zeiller, R.
 —, Tertiary and Cretaceous Mammals. *See* Ameghino, F.
 —, Waters. *See* Kyle, J. J. J.
 Argentine Andes, Jurassic Fauna. *See* Steuer, A.
 Arges. *See* Winchell, N. H., &c.
 Argon in Water near Vienna. *See* Bamberger, M.
 Argonite. *See* Spencer, L. J.; *see* Viola, C.
 Argovian. *See* Rollier, L.
 Argyllshire. *See* Gunn, W., &c.
 Ariège (France). *See* Roussel, J.
Arietites. *See* Parona, C. F.
Aristerebella. *See* Winchell, N. H., &c.
Aristozoe. *See* Frech, F.
 Arkansas, Bauxite. *See* Branner, J. C.
 —, Carboniferous Fauna. *See* Smith, J. P.
 —, Jura, &c. *See* Marcou, J.
 —, Palæozoic Area. *See* Ashley, G. H.
 —, — Rocks. *See* Branner, J. C.
 —, Phosphates. *See* Branner, J. C.
 Arlon (Luxemburg). *See* Lechien, V.
 Armorican Massif, &c. (France). *See* Barrois, C.; *see* Bigot, A.; *see* Bizet, P.; *see* Bureau, L.; *see* Ehlerl, D. P.
Arpadites. *See* Lorenzo, G. de; *see* Mojsisovics, E. von.
 Arran (Isle of). *See* Thomson, J.
 — Granite Mountains. *See* Smith, J.
 —, Old Red Sandstone and Carboniferous Rocks of North. *See* Neilson, J.
 Arsenic. *See* Frenzel, A.
 Arsenical Minerals. *See* Mügge, O.; *see* Rammelsberg, O.
 Arsenopyrite. *See* Katzer, F.
 Artesian Waters, New Zealand. *See* Hill, H.
 —, U.S.A. *See* Darton, N. H.
 — Wells, California. *See* Crawford, J. J.
 —, Cape Colony. *See* Saunders, H., &c.
Arthracantha. *See* Wachsmuth, C., &c.
Arthroclema. *See* Simpson, G. B.
Arthrostylus. *See* Simpson, G. B.
Arundinites. *See* Paolucci, D.
Asaphus. *See* Beecher, C. E.; *see* Törnquist, S. L.; *see* Winchell, N. H., &c.
 Asbestos, U.S.A. *See* Day, D. T., &c.
 — & Asbestic. *See* Jones, R. H.
 Aschaffenburg (Bavaria). *See* Weinschenk, E.
 — (—) Loess. *See* Klemm, G.
Ascodictyon. *See* Simpson, G. B.
 Ashby-de-la-Zouch (Leicester), Borings near. *See* Binns, G. J.; *see* Fox-Strangways, C.; *see* Watts, W. W.
 Ashby Wolds (Leicester). *See* Gresley, W. S.
 Asia. *See* Ramond, G.; *see* Suess, E.
 — (Central). *See* Futterer, K.
 Asia Minor. *See* Joanne, P.; *see* Paton, W. R., &c.
 —, Coal. *See* Ralli, G.
 —, Igneous Rocks. *See* Washington, H. S.
 —, Meerschaum. *See* Weinschenk, E.
 — (Western), Igneous Rocks. *See* McMahon, C. A., &c.
 — (—), Petroleum Fields. *See* Maunsell, F. R.
Asmodeus. *See* Ameghino, F.
 Asphalt. *See* Meunier, S.
 —, Californian. *See* Crawford, J. J.
 — Limestone, Hanover. *See* Hoffmann, F. A.
 —, U.S.A. *See* Day, D. T., &c.
Aspidoceras. *See* Gallinek, E.; *see* Loriol, P. de; *see* Steuer, A.
 — *acanthicum*-beds, Central Italy. *See* Canavari, M.
Aspidopora. *See* Simpson, G. B.
Aspidosoma. *See* Frech, F.
Asplanchna. *See* Wesenberg-Lund, C.
Asplenium. *See* Newton, E. T., &c.; *see* Rordam, K., &c.
 Assam Earthquakes. *See* Gait, E. A., &c.
 Asschian. *See* Rutot, A.
 Assuan (Egypt). *See* Hull, E.
Astarte. *See* Gallinek, E.; *see* Kenen, A. von; *see* Peron, A.; *see* Steinmann, G., &c.; *see* Wolff, W.
Asterostoma. *See* Cotteau, G., &c.
Astiericeras. *See* Parona, C. F., &c.
 Astrakhan (Russia). *See* Mushketov, J.
 — (—) Gypsum. *See* Doss, B.
Astrocenia. *See* Koby, F.; *see* Leonhard, R.; *see* Ogilvie, M. M.
Astromyelon. *See* Butterworth, J.
Atactoporella. *See* Simpson, G. B.
Atelospatangus. *See* Koch, A.
 Athabasca Lake (Canada). *See* Tyrrell, J. B., &c.
Athyris. *See* Frech, F.; *see* Hall, J., &c.; *see* Julien, A.
Atlantosaurus. *See* Marsh, O. C.
 Atolls. *See* Langenbeck, R.
Atops. *See* Beecher, C. E.
Atractites. *See* Mojsisovics, E. von.
Atrypa. *See* Hall, J., &c.
Atrypina. *See* Hall, J., &c.; *see* Reed, F. R. C.
 Aubrac (Lozère) Lakes. *See* Delebecque, A.
 Auchenharvie Castle (Ayr). *See* Smith, J.
 Auerbach (Hesse). *See* Bauer, M.
 Augite. *See* Twelvetrees, W. H.; *see* Young, J.
 Augite-Andesite, Asia Minor. *See* Washington, H. S.
 Augite-diorites, Southern India. *See* Holland, T. H.

- Augitic Rocks. *See* Koch, A.
 Auk (Gt.) Bones, Co. Waterford. *See* Ussher, R. J.
Aulacorhynchus. *See* Hall, J., &c.
Aulastraea. *See* Ogilvie, M. M.
Aulica. *See* Harris, G. F.
Aulocrinus. *See* Wachsmuth, C., &c.
Aulostomum. *See* Wesenberg-Lund, C.
 Auriferous Gravels, Sierra Nevada (Cal.). *See* Lindgren, W.
 — Lodes, Origin. *See* Don, J. R.
 Auspitz (Moravia). *See* Tausch, L. von.
 Australasia, Mineral Resources. *See* Coghlan, T. A.
 Australia. *See* Stirling, J.
 —, Cambrian Trilobites, &c. *See* Brown, H. Y. L., &c.
 —, Coal. *See* Steel, T.
 —, Diamonds. *See* Launay, L. de.
 — (Central), Glaciation. *See* Tate, R.
 —, Glaciation. *See* Hobson, B.
 —, Geology of 1895. *See* Etheridge, R., Jun., &c.
 —, Spotted Schist. *See* Roberts, R. W. B.
 —, Tertiary Gasteropoda. *See* Cossmann, M.
 —, — Mollusca. *See* Harris, G. F.
 Austria, Coal. *See* Danilov, R.
 —, Geological Survey. *See* Stache, G.
 — (S.W.), Granite Bosses. *See* Salomon, W.
 Austria-Hungary, Alpine Sandstone Zone. *See* Paul, C. M.
 —, Alpine Trias. *See* Bittner, A.
 —, Earthquakes. *See* Mojsisovics, E. von.
 —, Tertiary Reptilia. *See* Toula, F.
 Auvergne (France), Origin of Lakes. *See* Boule, M.
 Avalanche, Altels Glacier. *See* Pasquier, L. du.
Avicula. *See* Fucini, A.; *see* Newton, E. T., &c.; *see* Nüesch, J., &c.; *see* Steinmann, G., & K. Gerhardt; *see* Wolff, W.
Aviculopecten. *See* Bolton, H.; *see* Brown, H. Y. L., &c.; *see* Hicks, H., &c.; *see* Julien, A.
Aviculopenna. *See* Törnquist, A.
 Avignon (Vaucluse) Miocene. *See* Depéret, C.
 Axberg (Svealand, Sweden). *See* Kjellmark, K.
 Axes, Crystalline. *See* Crystallography.
 Axinite. *See* Cesáro, G.
Axonolipa. *See* Frech, F.
Axonophora. *See* —.
 Aylesbury (Bucks). *See* Davies, A. M., &c.
 — (—) to Rugby, Railway-Sections. *See* Woodward, H. B.; *see* Fox-Strangeways, C.
 Ayrshire. *See* Reade, T. M.
 — Amber. *See* Smith, J.
 — Coast. *See* —.
 — Coalfield. *See* Anon., 8.
- Ayrshire, Marine Shells in Drift Series. *See* Smith, J.
 —, Radiolarian Chert, &c. *See* Reade, T. M.
 —, Raised Beaches. *See* Smith, J.
 Azores. *See* John, C. von.
Azygograptus. *See* Postlethwaite, J.
- Bachergebirge (S. Styria). *See* Salomon, W.
Bacillaria. *See* Elmore, C. J.
 Bacteria, Carboniferous. *See* Renault, B.
Bactrites. *See* Frech, F.; *see* Gürich, G.
 Bactritidæ. *See* Foord, A. H., &c.
Bactropora. *See* Simpson, G. B.
Baculites. *See* Crick, G. C.; *see* Kossmat, F.
 Baden (Southern) Brown Jura. *See* Schalech, F.
 Baffin's Land (Arctic). *See* Barton, G.; *see* Prosser, C. S.
 — Glaciation. *See* Tarr, R. S.
 Bagnères de Bigorre (Hautes-Pyrénées). *See* Carez, L., &c.
 Bahia (Brazil). *See* Pragner, H.
Baiera. *See* Nathorst, A. G.; *see* Newton, E. T., &c.; *see* Shirley, J.
Bairdia. *See* Gürich, G.
 Bajocian. *See* Glangeaud, P.
 —, Cotteswolds. *See* Buckman, S. S.
 — Reptile, Sansac. *See* Welsch, J.
 Bakhmuth (Ekaterinoslav). *See* Gurov, A.
 Baku (Transcaucasia). *See* Konchin, A.
 Bala Fauna. *See* Reed, F. R. C.
 Baladea Island (Pacific). *See* Pelatan, L.
 Balaklava (Crimea). *See* Toula, F.
Balanophyllia. *See* Osasco, E.; *see* Simonelli, V.
Balantium. *See* Steinmann, G., & K. Gerhardt.
 Baldo, Monte (Verona). *See* Gümbel, C. W. von, &c.
 Balearic Islands. *See* Nolan, H.
 Balfour Shoal (S.W. Pacific). *See* Murray, J.; *see* Langenbeck, R.
 Balkans (Bulgaria). *See* Toula, F.
 Ballarat, East (Victoria, Aust.). *See* Bradford, W.
 Baltic Chalk Echinoderms. *See* Schlüter, C.
 — Cretaceous Belemnites. *See* Stolley, E.
 — Glacier (Great). *See* Geikie, J.
 — Provinces (Russia). *See* Does, B.; *see* Jonas, R.; *see* Schmidt, F.; *see* Toll, E.
 — (—), Upheaval & Subsidence. *See* Bonsdorff, A.
 — Quaternary. *See* Andersson, F.; *see* Munthe, H.; *see* Sederholm, J. J.
Baltoceras. *See* Holm, G.
 Baluchistan Frontier. *See* McMahon, C. A., &c.
Bambanagites. *See* Mojsisovics, E. von.

- Banat (Hungary). *See* Pelikan, A.; *see* Suess, E.
 — (—) Coalfield. *See* Kloos, J. H.
 — (—) Iron Glance. *See* Pelikan, A.
 Banatite. *See* Kolderup, G. F.
 Banca Island (Dutch Indies). *See* Van der Wyck, O. H.; *see* Verbeek, R. D. M., &c.; *see* Warburg, O.
 Banisteria. *See* Ettingshausen, C. von.
 Baplanodon. *See* Marsh, O. C.
 Baraboo (Wis.). *See* Salisbury, R. D., &c.
 Barcelona (Spain) Burdigalian. *See* Almera, —.
 Barium. *See* Platham, A.
 Baroda. *See* Kossmat, F.
 Barrandella. *See* Hall, J., &c.
 Barroecrinus. *See* Wachsmuth, C., &c.
 Barrême (Basses-Alpes). *See* Zürcher, P.
 — (—), Oligocene Fauna. *See* Depéret, C.
 Barremian, Lombardy. *See* Parona, C. F.
 — Fauna, Roumania. *See* Simionescu, J.
 Barren Lands (Canada), Map of Northern. *See* Nansen, F.
 Barry Dock (Glam.). *See* Howard, F. T.
 Bartelsdorf (Pomerania). *See* Müller, G.
 Bartonian, Château-Thierry. *See* Janet, L.
 Barytes. *See* Binns, G. J., &c.; *see* Kraatz-Koschlau, K. von; *see* Melzzer, G.
 —, U.S.A. *See* Day, D. T., &c.
 Basalt. *See* Berwerth, F.
 —, Californian. *See* Diller, J. S.
 —, Franz Josef Land. *See* Newton, E. T., &c.
 —, Gases in. *See* Tilden, W. A.
 —, Syria. *See* Potz, W.
 — with Nepheline, near Darmstadt. *See* Chelius, C.
 Basaltic Andesite (Co. Dublin), Derived Crystals. *See* Cole, G. A. J.
 — Rock, Minerals. *See* Gentil, L.
 — Rocks, Asiatic. *See* McMahon, C. A.
 Basalts, Euganean Hills. *See* Dal Piaz, G.
 —, Hungarian. *See* Koch, A.
 Basel (Switzerland). *See* Schmidt, C.
 Basilicata (Italy). *See* Böse, E.
 Basins, Ocean. *See* Murray, J.
 Basses-Alpes (France), Cretaceous Cephalopoda. *See* Honorat-Bastide, E. F.
 — (—), Excursions in. *See* Kilian, W.; *see* Zürcher, P.
 — (—) Lakes. *See* Delebecque, A.
 Bathgate (Linlithgow). *See* Geikie, J.
 Bathonian. *See* Glangeaud, P.; *see* Hankar, A.
 Bathyrurus. *See* Winchell, N. H., &c.
 Batillaria. *See* Harris, G. F.
 Batissa. *See* Wolff, W.
 Batna (Algeria). *See* Leenhardt, F.
 Batocrinus. *See* Miller, S. A., &c.; *see* Wachsmuth, C., &c.
 Batostoma. *See* Simpson, G. B.
 Batrachia, Palæozoic. *See* Cope, E. D.
 Baume-Noire Cave, Frétagne. *See* Drioton, C.
 Bauxite. *See* Cole, G. A. J.; *see* Liebrich, A.; *see* Olachea, T.
 —, Alabama. *See* McCalley, H., &c.
 —, Arkansas. *See* Branner, J. C.
 Bavaria (Germany), Glaciation. *See* Thürach, H.
 —, Graphite. *See* Weinschenk, E.
 —, Gravity Measurements. *See* Orff, K. von.
 —, Jurassic Insects. *See* Meunier, F.
 —, Minerals. *See* Weinschenk, E.
 —, Oligocene Molasse. *See* Wolff, W.
 —, Rhenish. *See* Ammon, L. von, &c.
 Bayania. *See* Vinassa de Regny, P. E.
 Bayonne (Basses-Pyrénées) Lakes. *See* Delebecque, A.
 Bazes (Basses-Pyrénées). *See* Stuart-Menteath, P. W.
 Beach in Carboniferous Rocks. *See* Barnes, J., &c.
 Beach (Sea), Castleton. *See* Barnes, J., &c.; *see* Hull, E.
 Beaches, Dungeness. *See* Gulliver, F. P.
 —, Michigan. *See* Taylor, F. B.
 —, North American Ancient. *See* Fairchild, H. L.; *see* Taylor, F. B.
 —, Raised. *See* Raised Beaches.
 Beaufort West (Cape Colony). *See* Schwarz, E. H. L.
 Beaugency (Eure-et-Loir). *See* Janet, L.
 Beaumaris, Victoria (Aust.), Palorchestes-Tooth from. *See* Hall, T. S., &c.
 Beaume (Côte d'Or). *See* Collot, —.
 Beausset-Vieux Massif (Var). *See* Fournier, E.
 Beaver, Pleistocene. *See* Mansel-Pleydell, J. C.
 Bédarieux (Hérault). *See* Depéret, C.; *see* Nicklès, R.
 Bedford (Ind.) Oolitic Limestone. *See* Hopkins, T. C., &c.
 Bedhampton (Hants). *See* Thomson, T., &c.
 Beecheria. *See* Hall, J., &c.
 BEESLEY, T. *See* Woodward, H. B.
 Belemnite Proöstracum. *See* Crick, G. C.
 Belemnitella. *See* Stolley, E.
 Belemnites. *See* Gallinek, E.; *see* Hochstetter, E. von; *see* Kossmat, F.; *see* Loriol, P. de.
 —, Franz Josef Land. *See* Newton, E. T., &c.
 —, N. European Senonian. *See* Stolley, E.
 —, Somaliand. *See* Crick, G. C.
 Belemniteuthis. *See* —.

- Belgian Academy & Mineralogy. *See* Dewalque, G.
- Belgium. *See* Dupont, E.
- , Cambrian. *See* Gosselet, J.
- , Carboniferous Fauna. *See* Stainier, X.
- , Chalk. *See* Toucas, A.
- , Cretaceous & Newer Rocks. *See* Ubaghs, C.
- , Geological Progress in. *See* Mourlon, M.
- , Limestone Water-Supply. *See* Rutot, A., &c.
- , Oligocene. *See* Van den Broeck, E.
- , Rain Distribution. *See* Forir, H.
- , Quaternary Deposits. *See* Mourlon, M.; *see* Rutot, A.
- , Soils. *See* Dewalque, G., &c.
- , Tertiaries. *See* Mourlon, M.; *see* Rutot, A.
- , Tertiary Deposits & Sarsens. *See* Van den Broeck, E.
- , Water-Supply. *See* Hans, J.
- Bell River (Canada). *See* Bell, R.
- Bellary (Madras). *See* Foote, R. B.
- Belle-Ile (Britanny). *See* Barrois, C.
- Belledonne (Chaîne de) Igneous Rocks. *See* Duparc, L.
- Bellerophon*. *See* Barnes, J., &c.; *see* Beyer, E.; *see* Brown, H. Y. L.; *see* Julien, A.; *see* Kayser, E.; *see* Winchell, N. H., &c.
- Beloceras*. *See* Frech, F.
- Bendigo Goldfield (Vict., Aust.). *See* Dunn, E. J.; *see* Stirling, J.
- Bensheim (Hesse). *See* Chelius, C.
- Benthos Fauna. *See* Walther, J.
- Benzoinia*. *See* Paolucci, L.
- Berenicea*. *See* Simpson, G. B.
- Berks. *See* Geikie, Sir A., &c.
- , Gravels, &c. *See* Richards, E. P.; *see* White, H. J. O.
- Berlin (Prussia) Deep Borings. *See* Berendt, G.
- Berlin-Görlitz Railway. *See* Wahnschaffe, F.
- Bermuda Islands, Changes of Level. *See* Tarr, R. S.
- Bern (Switzerland). *See* Baltzer, A.
- Bernberg (Anhalt), Oligocene Marine Sand in Clefs in Trias. *See* Merkel, O., &c.
- Bernese Alps (Switzerland). *See* Baltzer, A.; *see* Guyer-Zeller, —; *see* Wehrli, L.
- Jura, Oligocene Echinoderms. *See* Hagmann, G.
- , Valangian Inversion. *See* Schardt, H., &c.
- Bernissart (Hainaut) Iguanodons. *See* Dupont, E.
- Berre Lake (Bouches-du-Rhône). *See* Delebecque, A.
- Bertrandite. *See* Penfield, S. L.
- Berwickshire Coast. *See* McLennan, J. S.
- Berwick-on-Tweed. *See* Gunn, W.
- Beryl. *See* Curran, J. M.
- Beryx*. *See* Leonhard, R.
- Betchworth (Surrey), Granite Boulders in Chalk. *See* Stebbing, W. P. D.
- Betula*. *See* Paolucci, L.
- Betwley (Worcester). *See* Cantrill, T. C.
- Beyrichia*. *See* Winchell, N. H., &c.
- Biarritz (Basses-Pyrénées). *See* Carez, L.; *see* Stuart-Menteth, P. W.
- Bibliographies. *See* Margerie, E. de.
- Bidard (Basses-Pyrénées). *See* Carez, L.
- Biel Lake (Bern). *See* Schardt, H., &c.
- Bielenbergirge (Silesia). *See* Guckler, J.
- Biella (Italy), Corundum. *See* Gonnard, F.
- Bienna Lake (Bern). *See* Schardt, H., &c.
- Big Bone Cave (Tenn.). *See* Mercer, H. C.
- Big Horn Mts. (Wyoming). *See* Beecher, C. E.
- Bihippurites*. *See* Böhm, G.
- Billiton Island (Dutch Indies). *See* Van der Wyck, O. H.; *see* Verbeek, R. D. M.
- (—), Radiolarian Chert. *See* Hinde, G. J.
- Biloculina*. *See* Fornasini, C.; *see* Morton, F. S.
- Bingen (Hesse). *See* Rothpletz, A.
- Binnen Valley (Valais). *See* Baumhauer, H.
- Binnite. *See* Baumhauer, H.
- Biotite-Dacite, Asia Minor. *See* Washington, H. S.
- Biotite-Hypersthene-Andesite. *See* Berwerth, F.
- Bioulx (Namur). *See* Fournier, G.
- Bird, Australian Struthious. *See* Stirling, E. C., &c.
- Birds, Argentine Fossil. *See* Mercerat, A.
- , Fossil. *See* Woodward, H., &c.
- , Jurassic. *See* Dames, W.
- , Kansas Cretaceous. *See* Marsh, O. C.; *see* Williston, S. W.
- , Madagascar Fossil. *See* Andrews, C. W.
- , Mauritius, &c. Fossil. *See* Oustalet, E.
- , Miocene. *See* Shufeldt, R. W.
- , New Zealand. *See* Hutton, F. W.
- , Pleistocene. *See* Nüesch, J., &c.
- , Recent Fossil. *See* Ussher, R. J.
- , Roman Pliocene. *See* Portis, A.
- Biskra (Algeria). *See* Baltzer, A.
- Bison*. *See* Nüesch, J., &c.; *see* Stewart, A.
- Remains, Burg in Bromberg. *See* Nehring, A.
- Bithynia*. *See* Wesenberg-Lund, C.
- Bixbyite. *See* Gaubert, P.; *see* Penfield, S. L., &c.
- Black Hills (Dak.). *See* Beecher, C. E.; *see* Frazer, P.
- Marble Fauna. *See* Soreil, G.

- Black Sea. *See* Andrussov, N.; *see* Nikitin, S.
- Blackwall Tunnel. *See* Binnie, A. R.
- Blagodät Iron Mines (Urals). *See* Anon., 2.
- Blanzÿ (Saône-et-Loire). *See* Delafond, —.
- Blashenwell (Dorset). *See* Mansel-Pleydell, J. C.; *see* Reid, C.
- Blastoidea, Descent of. *See* Jækel, O.
- Bleiberg (Carinthia). *See* Hupfeld, —.
- Blende. *See* Kayser, E.
- Bléone Massif (Hautes-Alpes). *See* Kilian, W.
- Bliabergite. *See* Gaubert, P.; *see* Igelström, L. J.
- Bliex (Basses-Alpes). *See* Zürcher, P.
- Block Island (R. Isl.). *See* Merrill, F. J. H.; *see* Woodworth, J. B.
- Bloomington (Ind.). *See* Kindle, E. M.
- Blue Mountains (N.S.W.). *See* David, T. W. E.
- Bog-burst. *See* Früh, J.; *see* Præger, R. L.
- , Knocknagoecha (Co. Kerry). *See* Cole, G. A. J.; *see* Watts, W.
- Boghead Plants. *See* Renault, B.
- Bognor (Sussex). *See* Reid, C.
- Rock Fauna. *See* —.
- Bogoslovsk (Perm.). *See* Fedorov, E. von.
- Böhmerwald Graphite (Bavaria). *See* Weinschenk, E.
- Bohemia. *See* Hibsich, J. E.
- , Basalt-Tuff with Silurian Fossils. *See* Jahn, J. J.
- , Cambrian. *See* Jahn, J. J.; *see* Počta, P.
- , Devonian. *See* Kayser, E., &c.
- , Minerals. *See* Katzer, F.
- , Petroleum. *See* Katzer, F.
- , Silurian. *See* Počta, P.
- Bohemillidæ. *See* Beecher, C. E.
- Boksburg Coalfield (S. A. R.). *See* Hallimond, W. T.
- Bolderberg (Brabant). *See* Van den Broeck, E.; *see* Velge, G.
- Bolderian. *See* Rutot, A.; *see* Van den Broeck, E.
- Bolide, Madrid. *See* Meunier, S.
- Bolitho Medal. *See* Etheridge, R.
- Bolivia, Silver & Tin Ores. *See* Stelzner, A. W.
- Bolivian Minerals. *See* Penfield, S. L., &c.
- Bolivina*. *See* Morton, F. S.
- Bollia*. *See* Krause, A.; *see* Winchell, N. H., &c.
- Bologna (Emilia) Pliocene Fauna. *See* Busacchi, A.
- Bolozoe*. *See* Gürich, G.
- Bombs, Billiton Island. *See* Verbeek, R. D. M.
- Bone Bed, Abden. *See* Traquair, R. H.
- Implements. *See* Munro, R.
- , Pierced Bear. *See* Harlé, E.
- Bonn (Rhenish Prussia). *See* Stürtz, B.
- Bonn University Meteorites, &c. *See* Laspeyres, H.
- Bontschev, S. *See* Addendum.
- Borates. *See* Thaddeeff, K.
- Borax, Californian. *See* Crawford, J. J.
- Lake (Cal.), Minerals. *See* Pratt, J. H.
- Bordères (Hautes-Pyrénées) Granite. *See* Caralp, —; *see* Stuart-Menteath, P. W.
- Bored Bear-Bone. *See* Harlé, É.
- Rocks, Coolgardie. *See* Johnson, F. D.
- Boring (Deep) at The Flaming. *See* Keilhack, K.
- , Enfield, near Adelaide. *See* Howchin, W.
- , Funafuti. *See* Sollas, W. J.
- , Hönningen. *See* Heusler, —.
- , Lille. *See* Anon., 5; *see* Pagniez-Mio, —; *see* Vandewynckele, —.
- , Neuffen. *See* Branco, W., &c.
- , Ostende. *See* Dewalque, G.
- , West-Gaste, Friesland. *See* Ebert, T.
- Borings, Belgium. *See* Velge, G.
- , Crystalline Rock. *See* Markham, Sir C. B.
- , Hungary. *See* Halawáts, J.
- , Kent. *See* Brady, F.
- , Liverpool. *See* Morton, G. H.
- near Hoogstraeten. *See* Mourlon, M.
- , Netherseal. *See* Binns, G. J.; *see* Fox-Strangways, C.; *see* Watts, W. W.
- , Prussia. *See* Jentzsch, A.
- Borneo, Diamonds. *See* Launay, L. de.
- , Jurassic Fauna. *See* Newton, R. B.
- Bornholm (Baltic). *See* Lepsius, R.
- (—), Pendulum Observations. *See* Zachariae, —, &c.
- Bornite. *See* Jeremejew, P.; *see* Valentin, J.
- Bos*. *See* Bogino, F.; *see* Wollemann, A.
- Remains, Burg in Bromberg. *See* Nehring, A.
- Bosnia, Triassic Cephalopoda. *See* Hauer, F. von.
- Bosnites*. *See* Hauer, F. von.
- Bothrophyllum*. *See* Gürich, G.
- Botryllopora*. *See* Simpson, G. B.
- Bouches-du-Rhône (Provence) Tertiaries. *See* Pellat, E.
- (—) Massifs. *See* Fournier, E.
- Boulder Areas, Odenwald. *See* Chelius, C.
- ‘ — Bed,’ Salt Range. *See* Warth, H.
- Beds, Cutch. *See* Blake, J. F.
- Clay, a Marine Deposit. *See* Wright, J.
- , Marine Organisms in. *See* Neilson, J.
- , Peat with Arctic Plants in. *See* Binnie, J.

- Boulder Clays, North American. *See* Dawson, G. M.
- Boulders, British Isles, Erratic. *See* Kendall, P. F.
- , Clyde Valley Granite. *See* Bell, D.
- , Co. Dublin. *See* Close, M.
- , Distribution of Shap Fells Granite. *See* Foster-Barham, H. G.
- , E. English Erratic. *See* Howorth, Sir H. H.
- , (Foreign) in Chalk. *See* Martin, E. A.
- , Granite, in Chalk. *See* Stebbing, W. P. D.
- , Lincolnshire. *See* Sheppard, T.
- , Scandinavian. *See* Howorth, Sir H. H.
- , (Scoured), Mattawa Valley. *See* Taylor, F. B.
- , Yorkshire. *See* Stather, J. W., &c.
- Boulangerite. *See* Sjögren, H.
- Boulonnais (France). *See* Hanker, A.
- , (—), Jurassic Fishes. *See* Sauvage, H. E.
- Bourgneuf (Creuse). *See* Glangeaud, P.
- Bournemouth (Hants) Eocene Leaf-Beds. *See* Gardner, J. S.
- Bournonite. *See* Hohmann, T.; *see* Termier, P.
- Bovigny (Luxemburg). *See* Dewalque, G.
- Bowerbankia*. *See* Simpson, G. B.
- Boyce Hill (Somerset). *See* Winwood, H. H.
- Boyne Park (Kent). *See* Abbott, G.; *see* Stocks, H. B.
- Brabant (Belgium) Tongrian. *See* Van den Broeck, E.
- Braceino (Rome). *See* Washington, H. S.
- Brachionus*. *See* Wesenberg - Lund, C.
- Brachiopoda. *See* Beecher, C. E.
- , Argentine Palæozoic. *See* Kayser, E.
- , Australian Palæozoic. *See* Brown, H. Y. L. &c.
- , Cambrian. *See* Walcott, C. D.
- , Carboniferous. *See* Bolton, H.; *see* Neilson, J.
- , Cretaceous. *See* Leonhard, R.
- , Devonian. *See* Ehlert, D. P.; *see* Hicks, H., &c.
- , Jurassic. *See* Gallinek, E.; *see* Nœtling, F.
- , Keesley Limestone. *See* Reed, F. R. C.
- , Liassic. *See* Fucini, A.
- , Lower Devonian. *See* Béclard, F.
- , Lower Helderberg Limestone. *See* Whitfield, R. P.
- , New York Silurian. *See* Hall, J., &c.
- , Oligocene. *See* Wolff, W.
- Brachiopoda, Palæozoic. *See* Röse, E.; *see* Frech, F.; *see* Gürich, G.; *see* Hall, J., &c.
- , Silurian. *See* Dawson, Sir J. W.; *see* Etheridge, R., Jun.; *see* Mickwitz, A.; *see* Postlethwaite, J.
- , Spanish Devonian. *See* Ehlert, D. P.
- , Triassic. *See* Lorenzo, G. de.
- , Wetzlar Devonian. *See* Beyer, E.
- Brachymetopus*. *See* Julien, A.
- Brachysaurus*. *See* Williston, S. W.
- Bracklesham Clay, Microscopic Contents. *See* Chapman, F.
- , Flora and Fauna. *See* Reid, C.
- Bradysismic Action. *See* Milne, J.
- Branchiosaurus*. *See* Jäkel, O.
- Brazil. *See* Aguirre, E.
- , Diamonds. *See* Launay, L. de.
- , Entomostraca. *See* Jones, T. R.
- , Gneiss - Exfoliation. *See* Reade, T. M.
- , Mesozoic Reptilia. *See* Woodward, A. S.
- , Palæozoic Fauna. *See* Valentin, J.
- Breislakite. *See* Wichmann, A.
- Bremke am Ith (Brunswick). *See* Fromme, J.
- Brendon Hills (Somerset). *See* Hicks, H., &c.
- Bressuire (Deux-Sèvres). *See* Fournier, A.; *see* Wallerant, F.
- Breyina*. *See* Cotteau, G., &c.
- Briançon (Hautes-Alpes). *See* Kilian, W.; *see* Lory, P.; *see* Termier, P.
- Bridgenorth (Salop). *See* Cantrill, T. C.
- Bridgewater Colliery (Somerset). *See* Milton, A. D.
- Bridlington (Yorks) Glacial Beds. *See* Lamplugh, G. W.
- Brine Pumping Subsidence. *See* Cooke, J. H.
- , Springs, Nahe Valley. *See* Heusler, —.
- Brissopneustes*. *See* Schlüter, C.
- Brissopsis*. *See* Botto-Micco, L.; *see* Cotteau, G., &c.
- Brissus*. *See* Cotteau, G., &c.
- Bristol Museum. *See* Wilson, E.
- Britanny (France). *See* Barrois, C.
- , Quaternary Clays. *See* Barrois, C.
- , Silurian. *See* Poëta, P.
- , Tin. *See* Davy, L.
- British Association. *See* Anon., 36; *see* Dawson, G. M.; *see* Evans, Sir J.
- , Colonies, Minerals. *See* Atkinson, J. B., &c.
- , Columbia. *See* Dawson, G. M.
- , Cinnabar. *See* Merrett, W. H.
- , Glacial Deposits. *See* Lamplugh, G. W.
- , Magnetite. *See* Kimball, J. P.

- British Fauna, Origin of. *See* Carpenter, G. H.
- Guiana. *See* Hargreaves, T. S., &c.
- Islands. *See* Johnstone, A.
- —, Earthquakes. *See* Lobley, J. L.
- —, Marine Erosion. *See* Stirrup, M.
- Mountains, Age of. *See* Lobley, J. L.
- Museum. *See* Foord, A. H., &c.; *see* Harris, G. F., &c.; *see* Woodward, H., &c.
- Brixen Massif (Tyrol). *See* Salomon, W.
- BRODIE, Rev. P. B. *See* Anon., 41; *see* Woodward, H. B.
- Broken Hill (N.S.W.). *See* Hlawatsch, C.; *see* Marsh, C. W.
- (—) Minerals. *See* Card, G. W.; *see* Hlawatsch, C.
- (—) Ore Deposits. *See* Bergeat, —; *see* Smith, G.
- Bromberg (Posen). *See* Lepsius, R.
- Bronteus*. *See* Beecher, C. E.; *see* Beyer, E.; *see* Frech, F.; *see* Gürich, G.; *see* Winchell, N. H., &c.
- Brontosaurus*. *See* Marsh, O. C.
- Brookite. *See* Cayeux, L.
- Broomhill (Northumberland) Coal. *See* Noble, A., &c.
- Brotterode (Thuringia). *See* Scheibe, R.
- Brown-Coal, Formation of. *See* Potonié, H.
- , Grottau. *See* Ries, H.
- , Posen. *See* Rosenberg-Lipinsky, — von.
- , Prussia. *See* Jentzsch, A.
- , Senftenberg. *See* Potonié, H.
- Trees. *See* Kayser, E.
- Brown and Carboniferous Coal-Seams. *See* Potonié, H.
- Brown Jura, S. Baden. *See* Schalch, F.
- Brown's Park Beds (Utah). *See* Irving, J. D.
- Brunswick (Germany) Cretaceous. *See* Müller, G.
- Brushite. *See* Lacroix, A.
- Brussels (Brabant) Upper Eocene Nomenclature. *See* Mourlon, N.
- District. *See* Forir, H., &c.
- 'Bruxellien.' *See* Storms, —.
- Bryograptus*. *See* Frech, F.; *see* Postlethwaite, J.
- Bryozoa, Carboniferous. *See* Cole, G. A. J.
- , Cretaceous. *See* Leonhard, R.
- , Palæozoic. *See* Simpson, G. B.
- , Scottish Carboniferous. *See* Young, J.
- , Victoria (Aust.). *See* Hall, T. S.
- Bucania*. *See* Winchell, N. H., &c.
- Bucanopsis*. *See* —.
- Buccinum*. *See* Barnes, J., &c.; *see* Wolf, W.
- Buchenberg (Harz). *See* Koch, M.
- Buchiceras*. *See* Peron, A.
- Buchiola*. *See* Beyer, E.
- Buckinghamshire Jurassic Beds. *See* Davies, A. M., &c.
- Budapest Mining Exhibition. *See* Bockh, J.; *see* Lamprecht, R.; *see* Schmidt, A.; *see* Staub, M.
- Buenos Aires (Argentina). *See* Hauthal, R.; *see* Valentin, J.
- , Caverns. *See* Aguirre, E.
- Building Stones, U.S.A. *See* Day, D. T., &c.
- , Californian. *See* Crawford, J. J.
- , Hungarian. *See* Koch, A.
- , Irish. *See* Cole, G. A. J.
- Buis, Le (Drôme). *See* Michel-Lévy, A., &c.
- Bulgaria. *See* Bontschev, S. (in Addendum); *see* Toula, F.
- Bulimi*, Miocene. *See* Pilsbry, H. A.
- Bulimina*. *See* Burrows, H. W., &c.
- Bullina*. *See* Kossmat, F.
- Bullinella*. *See* Cossmann, M.
- Bumastus*. *See* Winchell, N. H., &c.
- Bündner-Oberland (Les Grisons) Diorite. *See* Wehrli, L.
- Bunmahon (Co. Waterford). *See* Reed, F. R. C.
- Buochserhorn (Uri). *See* Schmidt, C.
- Burdigalian, Barcelona. *See* Almera, —.
- , Southern France. *See* Pellat, E., &c.
- Burg in Bromberg (Pomerania), Aurochs Remains. *See* Nehring, A.
- Burgos (Spain). *See* Larrazet, M.
- Burma, Altaite. *See* Louis, H.
- , Gold-mining. *See* Bromley, A. H., &c.
- , Pliocene Chipped Flint - Flakes. *See* Nœtling, F.
- , Steatite-Mines. *See* Hayden, H. H.
- , Tellurium Mineral. *See* Louis, H.
- (Upper), Petroleum & Altaite. *See* Anon., 44.
- Burrstones, U.S.A. *See* Day, D. T., &c.
- Buthotrephis*. *See* Dawson, Sir J. W.
- Buzeu (Roumania). *See* Teisseyre, L.
- Byrsonyma*. *See* Paolucci, L.
- Byssonychia*. *See* Winchell, H. N., &c.
- Bythinia*. *See* Bukowski, N. H.
- Bythocypris*. *See* Gürich, G.; *see* Winchell, N. H., &c.
- Bythopora*. *See* Simpson, G. B.
- Cacao (W.I.). *See* Harrison, J. B.
- Cactocrinus*. *See* Wachsmuth, C., &c.
- Cadurcotherium*. *See* Boule, M.
- Caernarvonshire Lakes. *See* Brend, W. A.
- Pre-Cambrian Era. *See* Hicks, H.
- Calabria (Italy). *See* Böse, E.; *see* Levi, G.; *see* Di-Stefano, G.
- Calamine. *See* Büttgenbach, H.

- Calamites*. See Butterworth, J.; see Grand'Eury, —; see Seward, A. C.
Calamocladus. See Grand'Eury, —.
Calamophyllia. See Bontschev, S. (in Addendum); see Koby, F.
Calamopitys. See Solms-Laubach, Count H.
Calamopsis. See —.
Calamostachys. See Grand'Eury, —.
 Calanda (Grisons). See Piperov, C.
 Calcareous Tufa, Svealand. See Kjellmark, K.
 —, Kiffis. See Tobler, A.
 — Sandstone Plants. See Smith, J.
 Calcite. See Achiardi, G. d'; see Friedel, G.; see Gaubert, P.; see Gonnard, F.; see Katzer, F.; see Pisani, F.; see Spencer, L. J.
 — in Coral Limestone, Brunswick. See Fromme, J.
 —, Couzon. See Gonnard, F.
 Calcium. See Plathan, A.
 —, Chloro-aluminate. See Friedel, G.
 Calcspar. See Mügge, O.
 Calcutta (India) Earthquake. See Anon., 35; see La Touche, T. D.; see Oldham, R. D.
 Calderwood Limestone Fauna & Flora. See Neilson, J.
 California. See Crawford, J. J.; see Yale, C. G.
 —, Auriferous Gravels. See Lindgren, W.
 —, Basalt. See Diller, J. S.
 —, Coast Oscillations. See Fairbanks, H. W.
 —, Coast Ranges. See Lawson, A. C.
 —, Cretaceous & Jurassic. See Fairbanks, H. W.
 —, Gas & Petroleum Fields. See Watts, W. L., &c.
 —, Gold. See Knochenhauer, B.
 —, Granitic Rocks. See Lindgren, W.
 —, Igneous Rocks, &c. See Fairbanks, H. W.
 —, Lake Beds of Waucobi. See Walcott, C. D.
 —, Mineral Resources. See Crawford, J. J.
 —, Petroleum. See Crawford, J. J.; see Salathé, F.
 Callabonna, Lake (S. Australia). See Stirling, E. C.
Callicrinus. See Wachsmuth, C., &c.
Calliostoma. See Cossmann, M.; see Hall, T. S., &c.
Callograptus. See Frech, F.
Callopora. See Simpson, G. B.
Callotrypa. See —.
 Callovian, Normandy. See Brash, L.
 —, Winckel. See Bleicher, —, &c.
Calops. See Marsh, O. C.
 Calvados (Normandy), Jurassic Fishes. See Bigot, A.
 Calvi (Monte) near Campiglia. See Fucini, A.
Calycanthocrinus. See Frech, F.
Calymene. See Beecher, C. E.; see Törnquist, S. L.; see Winchell, N. H., &c.
Calyptræa. See Wolff, W.
Camarella. See Hall, J., &c.
Camarophorella. See —.
Camarophoria. See Gürich, G.; see Hall, J., &c.
Camarospira. See Hall, J., &c.
Camarotoechia. See —.
 Cambrian, Bohemian. See Jahn, J. J.; see Poëta, P.
 — Cirripedes. See Matthew, G. F.
 — Fauna. See Brögger, W. C.; see Frech, F.; see Matthew, G. F.; see Törnebohm, A. E.
 —, Canada. See Dawson, Sir J. W.
 —, N. Europe. See Törnquist, S. L.
 —, S. American. See Kayser, E.
 —, Swedish. See Holm, G.
 —, Victoria (Aust.). See Etheridge, R., Jun.
 — Graptolite & Trilobite Faunas. See Törnquist, S. L.
 —, Jemtland (Sweden). See Wiman, C.
 — Period, New York. See Kemp, J. F.
 — Primeval Life, Canadian. See Dawson, Sir J. W.
 — Rocks & Fauna. See Hicks, H.
 —, Stavelot Massif (Liège). See Gosselet, J.
 — Trilobites. See Brown, H. Y. L., &c.; see Matthew, G. F.
 Camerino (Marches, Italy). See Canavari, M.
Cameroceras. See Winchell, N. H., &c.
 Cameroons (German W. Africa). See Kœnen, A. von.
Cameroptychium. See Leonhard, R.
Camerospongia. See —.
 Campagnatico (Piedmont). See Novarese, V.
 Campania (Italy). See Cassetti, M.
 Campanulariæ. See Wiman, C.
 Campiglia (Tuscany). See Fucini, A.
 Campine District (Belgium). See Mourlon, M.; see Velge, G.
 Campinian. See Mourlon, M.
 Campsie Fells (Stirling). See Young, J.
Camptocrinus. See Wachsmuth, C., &c.
Camptonectes. See Steinmann, G., & K. Gerhardt.
 Camptonite. See Berwerth, F.
Camptosaurus. See Marsh, O. C.
 Canada. See Anon., 39; see Dawson, G. M.; see Drake, N. F.
 —, Archæan. See Van Hise, C. R., &c.
 —, Geological Survey. See Dawson, G. M.; see Klittke, M.
 —, Glaciation. See Coleman, A. P.
 —, Glaciers. See Russell, J. C.

- Canada, Great Plains. *See* Dawson, G. M.
 —, Land-Upheaval. *See* Bell, R.
 —, Laurentian. *See* Adams, F. D., &c.; *see* Ellis, R. W.; *see* Low, A. P.
 — (Lower), Asbestos. *See* Jones, R. H.
 —, Mineral Statistics. *See* Ingall, E. D.
 —, North-Central. *See* Tyrrell, J. B.
 — (N.W. Territory). *See* Scoble, T. C.; *see* Tyrrell, J. B., &c.
 —, Pleistocene Flora. *See* Penhallow, D. P.
 —, Soils. *See* Shutt, F. T.
 Canadian Anorthosites. *See* Coleman, A. P.
 — Archæan & Cambrian Fauna. *See* Dawson, Sir J. W.
 — Cancrinite. *See* Barlow, A. E.
 — Lower Silurian. *See* Winchell, N. H., &c.
 — Minerals and Ores. *See* Hofmann, G. C.
 — Palæozoic Fauna. *See* Matthew, G. F.
 — Pre-Cambrian Fauna. *See* Dawson, Sir J. W.
 — Primeval Life. *See* —.
 — Silurian Corals. *See* Whiteaves, J. F.
 —, &c., Fauna. *See* Dawson, Sir J. W.
 — Sulphur Petroleums. *See* Mabery, C.
Cancellaria. *See* Wolff, W.
 Cancrinite. *See* Barlow, A. E.
Candona. *See* Chapman, F.
Canis. *See* Bogino, F.; *see* Nüesch, J., &c.; *see* Pomel, A.; *see* Portis, A.
 Cannel Coal, Austria. *See* Danilov, R.
 Cannindah (Mount) Copper and Gold Deposits (Queensland). *See* Rands, W. H.
 Cannstatt (Swabia). *See* Fraas, W.
 Cantal (Auvergne). *See* Boule, M.
 — (—) Miocene. *See* —
 Canterbury (N. Z.) Glaciers. *See* Brod- rick, T. N.
 Cape Cod (Mass.). *See* Davies, W. M.
 — Colony. *See* Corstorphine, G. S.; *see* Saunders, H., &c.; *see* Schwarz, E. H. L.; *see* Rogers, A. W.
 — Coalfields. *See* Johns, P.
 — (S. Africa). *See* Gibson, W.
 — Fairweather Bed^s, S. Patagonia. *See* Hatcher, J. B.
 — Flora (Franz Josef Land). *See* Newton, E. T., &c.
 — Jubu (N.W. Africa). *See* Zaytoun, F. S.
 — Verde Islands Rocks. *See* John, C. von.
Capellinia. *See* Hall, J., &c.
 Capri, Isle of (Bay of Naples). *See* Durier, C.; *see* Oppenheim, P.
Caprina. *See* Böhm, G.
Caprinula. *See* —
Capulus. *See* Bernays, E.; *see* Julien, A.; *see* Lorenzo, G. de.
Carbonacarpa. *See* Smith, J.
 Carbonate of Lime in Lake Water. *See* Delebecque, A.
 Carboniferous, Alsace. *See* Törnquist, A.
 — & Brown Coal-Seams. *See* Potonié, H.
 —, Arran (Island of). *See* Neilson, J.
 — Bacteria. *See* Renault, B.
 —, Basses-Pyrénées. *See* Stuart- Menteach, P. W.
 — Brachiopoda. *See* Hall, J., &c.
 — Bryozoa. *See* Cole, G. A. J.; *see* Young, J.
 — Cephalopoda. *See* Foord, A. H.; *see* Young, J.
 —, Arkansas. *See* Smith, J. P.
 — Corals. *See* Thomson, J.; *see* Weissmerl, W.
 — Crustacea. *See* Ortmann, A. E.
 — Deposits, Alabama. *See* McCally, H.
 —, Donetz Basin. *See* Jakowlev, N.; *see* Tchernyshev, T., &c.
 — Echinoderms. *See* Gregory, J. W.
 — Fauna, Belgium. *See* Soreil, G.; *see* Stainier, X.
 —, Illinois. *See* Smith, J. P.
 —, Narragansett Basin. *See* Fuller, M. L.
 —, North Welsh. *See* Morton, G. H.
 — & Flora, West Scottish. *See* Neilson, J.
 — Fishes. *See* Eastman, C. R.; *see* Traquair, R. H.
 — Goniatites. *See* Crick, G. C.
 —, Harz. *See* Beushausen, L., &c.; *see* Koch, M.
 —, Kansas. *See* Prosser, C. S.
 — Life-Zones. *See* Garwood, E. J.
 — Limestone, N. Wales. *See* Reade, T. M.
 —, Mâcon. *See* Vaffier, A.
 — Marine Fauna, Central French. *See* Julien, A.
 —, Missouri. *See* White, D.
 — Mollusca. *See* Bolton, H.
 —, near Clavier. *See* Destinez, P.
 —, Nebraska & Kansas. *See* Prosser, C. S.
 — Nautiloids. *See* Foord, A. H., &c.
 —, Northern England. *See* De Rance, C. E.
 — Ostracoda, Campsie. *See* Young, J.
 — Plants. *See* Butterworth, J.; *see* Grand'Eury, —; *see* Kidston, R.; *see* Scott, D. H.; *see* Seward, A. C.; *see* Shirley, J.; *see* Solms-Laubach, Count H.
 —, Meikle Busbie. *See* Smith, J.
 —, Thuringian. *See* Fritsch, K. von.
 — Reptilia. *See* Woodward, A. S.

- Carboniferous Reptilia, Kansas. *See* Williston, S. W.
- Rock, Edinburgh. *See* Goodchild, J. G.
- , Derbyshire & Yorkshire. *See* Barnes, J., &c.
- , Salt in. *See* Koninck, L. L. de.
- Sandstones, Wyre Forest & Staffordshire Coalfields. *See* Cantrill, T. C.
- Series in Gt. Britain. *See* Hind, W.
- Spider. *See* Geinitz, H. B.
- , Staffordshire. *See* Anon, 18, 20.
- Strata, Griffen Station. *See* Smith, J.
- , Upper Mississippi Valley. *See* Keyes, C. R.
- , Westmoreland. *See* Dakyns, J. R., &c.
- Carcassonne (Aude). *See* Bresson, A.
- Cardiff (Glam.). *See* Ballinger, J., &c.; *see* Strahan, A., &c.
- Cardiocarpon. *See* Butterworth, J.
- Cardiocarpus. *See* Seward, A. C.
- Cardioceras. *See* Loriol, P. de.
- Cardiopteris. *See* Fritsch, K. von.
- Cardita. *See* Kœnen, A. von; *see* Meyer-Eymar, C.; *see* Peron, A.; *see* Reid, C.; *see* Steinmann, G., &c.
- Cardium. *See* Hilber, V.; *see* Kœnen, A. von; *see* Peron, A.; *see* Wolff, W.; *see* Wollemann, A.; *see* Woods, H.
- Caremapu (Chile). *See* Pohlmann, R.
- Carex. *See* Paolucci, L.
- Caribou Mts. (Canada), South of. *See* Tyrrell, J. B., &c.
- Carinaropsis. *See* Winchell, N. H., &c.
- Carnic Alps. *See* Salomon, W.
- Carniola (Austria). *See* Kossmat, F.
- Carnivora, Algerian Quaternary. *See* Pomel, A.
- , Diluvial. *See* Koch, A.
- , Tertiary. *See* Adams, G. I.
- , White River Beds. *See* Stewart, A.
- , Wyoming Territory. *See* Riggs, E. S.; *see* Stewart, A.
- Carolina (South). *See* Darton, N. H.
- Carpathian Tertiary Fauna. *See* Rzehak, A.
- — Foraminifera. *See* Grzybowski, J.
- Carpathians, Eastern. *See* Toula, F.
- Carpinus. *See* Paolucci, L.
- Carpolithes. *See* Menzel, P.; *see* Nathorst, A. G.
- Carriacou (W. I.). *See* Harrison, J. B.
- Carrick Coast (Ayr). *See* Smith, J.
- Carya. *See* Paolucci, L.
- Carychium. *See* Kennard, A. S.
- Caryocaris. *See* Postlethwaite, J.
- Caryophyllia. *See* Osasco, E.
- Casentino (Tuscany). *See* Lotti, B.
- Casewick (Lincs) Pleistocene Plants. *See* Reid, C.
- Caspian. *See* Andrussov, N.
- Mud Volcanos. *See* Sjögren, H.
- Cassia. *See* Ettingshausen, C. von; *see* Paolucci, L.
- Cassidaria. *See* Reinhard, C.; *see* Wolff, W.
- Cassidulina. *See* Morton, F. S.
- Cassis. *See* Wolff, W.
- Castanea. *See* Paolucci, L.
- Castellane (Basses-Alpes). *See* Zürcher, P.
- Castleton (Derby) Sea Beach. *See* Barnes, J., &c.; *see* Hull, E.
- Castor. *See* Mansel-Pleydell, J. C.
- Catazyga. *See* Hall, J., &c.
- Catesby (Northants). *See* Thompson, B.
- Catillocrinus. *See* Wachsmuth, C., &c.
- Catini, Monte (Tuscany). *See* Achiardi, G. d'.
- Catskill Mountains (N. Y.). *See* Darton, N. H.
- Caturus. *See* Woodward, A. S.
- Caucasus (Russia). *See* Dingelstedt, W.; *see* Fournier, E.; *see* Karakash, N.; *see* Konchin, A.; *see* Loewinson-Lessing, F.; *see* Mushketov, J. W.; *see* Rossikov, C.; *see* Rugéovich, K.; *see* Simonovich, S.; *see* Suess, E.
- Minerals. *See* Jeremejew, P.
- Caunette, La (Aude), Ore Deposits. *See* Bernard, M.
- Cava (Piedmont). *See* Spezia, G.
- Cave Deposits & Fauna near Schaffhausen. *See* Nüesch, J., &c.
- Mollusca, English. *See* Kennard, A. S., &c.
- Caverns & Caves. *See* Flamache, A.; *see* Martel, E. A.; *see* Stirrup, M.; *see* Van den Broeck, E.
- , Anthée. *See* Fraipont, J.
- , Big Bone Cave. *See* Mercer, H. C.
- , Brunswick. *See* Kloos, J. H.
- , Buenos Aires. *See* Aguirre, E.
- , Cerussite Deposits in. *See* Launay, L. de.
- , Couvin. *See* Anon., 1.
- , Dordogne. *See* Anon., 34; *see* Rivière, E.
- , Frétigney. *See* Drioton, C.
- , Irish & English. *See* Martel, E. A.
- , Istria. *See* Boegan, E.; *see* Marinitsch, J.
- , Jura. *See* Bidot, —, &c.; *see* Renaud, E.
- , Karst Phenomena. *See* Cvijič, J.
- , Leitrim Co. *See* Jameson, H. L.
- , Lot Valley. *See* Barbot, J.
- , Lunain Valley. *See* Viré, A.
- , Majorca. *See* Martel, E. A.
- , Méhaigne Valley. *See* Fraipont, J., &c.
- , Mentone. *See* Mansel-Pleydell, J. C.
- , Monaco. *See* Rivière, E.
- , Naours. *See* Danicourt, —.
- , New South Wales. *See* David, T. W. E.; *see* Leigh, W. S.

- Caverns, Nichet, near Fromelennes. *See* Hanotel, —.
- , Roffy. *See* Rupin, E.
- , Spezia. *See* Regàlia, E.
- , Styria. *See* Fasching, —.
- , Tourane Marble. *See* De Joslin, —.
- , United States. *See* Call, E.; *see* Owen, L. A.
- , Vercors 'Scialets.' *See* Martel, E. A.
- Cayenne (French Guiana) Gold. *See* Granger, H. G.
- Cecina, Val di (Tuscany). *See* Achiardi, G. d'.
- Celadonite. *See* Gümbel, C. W. von, &c.
- Celastrus*. *See* Ettingshausen, C. von; *see* Paolucci, L.
- Celestite. *See* Prendel, R.
- Celtites*. *See* Lorenzo, G. de.
- Cements. *See* Day, D. T., &c.
- Cenomanian, Devon, Normandy, &c. *See* Jukes-Browne, A. J., &c.
- Echinoderms. *See* Loriol, P. de.
- , Joux Valley. *See* Schardt, H.
- , Upper Silesia. *See* Leonhard, R.
- Cenosite. *See* Sjögren, H.
- Cenosphæra*. *See* Cayeux, L.; *see* Hinde, G. J.
- Cenozoic History, Eastern U.S.A. *See* Darton, N. H.
- Centrocrinus*. *See* Wachsmuth, C., &c.
- Centronella*. *See* Hall, J., &c.
- Cephalograptus*. *See* Elles, G. L.; *see* Frech, F.; *see* Perner, J.
- Cephalopoda. *See* Crick, G. C.; *see* Foord, A. H., &c.; *see* Haug, E.; *see* Holm, G.; *see* Ehlert, D. P.; *see* Smith, J. P.
- , Albanian. *See* Parona, C. F., &c.
- , Argentine Palæozoic. *See* Kayser, E.
- , Bosnian Triassic. *See* Hauer, F. von.
- , Carboniferous. *See* Foord, A. H.; *see* Julien, A.; *see* Smith, J. P.; *see* Young, J.
- , Cretaceous. *See* Honnorat-Bastide, E. F.; *see* Kœnen, A. von; *see* Leonhard, R.; *see* Pomel, A.; *see* Steinmann, G., &c.
- , Franz Josef Land. *See* Newton, E. T., &c.
- , Himalayan Triassic. *See* Mojsisovics, E. von.
- , Jurassic. *See* Bode, G.; *see* Bogoslawski, N. A.; *see* Canavari, M.; *see* Gallinek, E.; *see* Hochstetter, E. von; *see* Loriol, P. de; *see* Nætling, F.; *see* Steuer, A.; *see* Törnquist, A.
- , Liassic. *See* Fucini, A.; *see* Parona, C. F.
- , Millstone Grit. *See* Barnes, J., &c.
- , Minnesota Silurian. *See* Winchell, N. H., &c.
- , Normandy Callovian. *See* Brash, L.
- Cephalopoda, Palæozoic. *See* Frech, F.; *see* Gürich, G.; *see* Miller, S. A., &c.
- , Pondicherry Cretaceous. *See* Kossmat, F.
- , Silurian. *See* Holm, G.
- , Tithonian. *See* Krafft, A. von.
- , Triassic. *See* Diener, C.; *see* Douvillé, H.; *see* Lorenzo, G. de.
- Ceramopora*. *See* Simpson, G. B.
- Ceramoporella*. *See* —.
- Ceraterpeton*. *See* Cope, E. D. *see* Woodward, A. S.
- Ceratiocaris*. *See* Whitfield, R. P.
- Ceratites*. *See* Hauer, F. von.
- Ceratocephala*. *See* Etheridge, R., Jun., &c.
- Ceratodus*. *See* Seeley, H. G.; *see* Volz, W.
- Ceratophyllum*. *See* Archenege, A.; *see* Gürich, G.
- Ceratops*. *See* Marsh, O. C.
- Ceratopsis*. *See* Winchell, N. H., &c.
- Ceratopyge*. *See* Frech, F.
- Ceratosauros*. *See* Marsh, O. C.
- Ceratotrochus*. *See* Simonelli, V.
- Ceraurus*. *See* Winchell, N. H., &c.
- Cercis*. *See* Menzel, P.; *see* Paolucci, L.
- Cerithium*. *See* Bontschev, S. (in Ad-dendum); *see* Harris, G. F.; *see* Kossmat, F.; *see* Levi, G.; *see* Loriol, P. de; *see* Peron, A.; *see* Reinhard, C.; *see* Vinassa de Regny, P. E.; *see* Wolff, W.
- Cerrillos (New Mexico) Coalfield. *See* Stevenson, J. J.
- Cerro de Pasco (Chile). *See* Rosell, G. R.
- Cerussite. *See* Achiardi, G. d'; *see* Buttgenbach, H.; *see* Launay, L. de; *see* Mügge, O.
- Cerveteri (Rome). *See* Washington, H. S.
- Cervus*. *See* Bogino, F.; *see* Nüesch, J., &c.
- Cestracionidarum*. *See* Leonhard, R.
- Cetacea, Roman Pliocene. *See* Portis, A.
- Ceylon. *See* Clarence, L. B.
- Chabasite. *See* Habert, P. C.; *see* Rinne, F.
- Chablais-Stockhorn (Valais). *See* Schardt, H.
- Chabrières (Basses-Alpes). *See* Zürcher, P.
- Chænodomus*. *See* Winchell, N. H., &c.
- Chætogaster*. *See* Wesenberg-Lund, C.
- Chalcocite. *See* Valentin, J.
- Chalcopyrite. *See* Binns, G. J., &c.
- Chalcostibite. *See* Penfield, S. L., &c.; *see* Spencer, L. J.
- Chalk Belemnites, N. European. *See* Stolley, E.
- , Brunswick. *See* Müller, G.
- , Corbières. *See* Toucas, A.

- Chalk, Deposition of Upper. *See* Kendall, P. F.
- , Destruction. *See* Cole, G. A. J.
- , Devon. *See* Jukes-Browne, A. J.
- , Downs, Valleys in. *See* —.
- , Echinodermata. *See* Gregory, J. W.; *see* Schlüter, C.; *see* Lambert, J.
- , Emsbett. *See* Müller, G.
- , European. *See* Toucas, A.
- , Fauna. *See* Cayeux, L.
- , — (Lower), Cameroons. *See* Kœnen, A. von.
- , Fishes, Péronne. *See* Priem, F.
- , Flints. *See* Cayeux, L.
- , *Hippurites*. *See* Toucas, A.
- , (Lower), Fossil Zones of S. English. *See* Maddock, H. E.
- , Lublin and Radom Govts. *See* Krishtafovich, N.
- , Mosasaurians of the Grey. *See* Thévenin, A.
- , with Granite Boulders. *See* Stebbing, W. P. D.
- , Rock Fauna. *See* Woods, H.
- Chalky Boulder Clay, W. Midland Counties of England. *See* Woodward, H. B.
- Chalmasia*. *See* Peron, A.
- Chaman (India). *See* McMahon, C. A., &c.
- Chambéry (Savoy). *See* Douxami, H.
- Chamois, Pyrenees Quaternary. *See* Harlé, E.
- Channel Islands, Low-Tide Causeways. *See* Hill, E.
- , Pre-Cambrian Rocks. *See* Hicks, H.
- Chara-Marl, Hitchin. *See* Chapman, F.
- Characteristic Marine Fossils. *See* Walther, J.
- Charionella*. *See* Hall, J., &c.
- Charleston (Mo.) Earthquake. *See* Purdue, A. H.
- Charnwood Forest (Leicester). *See* Watts, W. W.
- Charred Pine-wood, Dorset Peat-Mosses. *See* Reid, C.
- Chasmops*. *See* Beecher, C. E.
- Château Redon (Basses-Alpes) Tertiaries. *See* Depéret, C., &c.
- Châteaudun (Eure-et-Loir). *See* Janet, L.
- Châtillon (Côte d'Or). *See* Collot, —; *see* Maison, —.
- Chazy Limestone, Lake Champlain. *See* Brainerd, E., &c.
- Cheiloceras*. *See* Frech, F.
- Cheiroptera, French. *See* Gaillard, C.
- Cheirostrobos*. *See* Scott, D. H.
- Cheirurus*. *See* Beecher, C. E.; *see* Beyer, E.; *see* Frech, F.; *see* Törnquist, S. L.
- Chelodes*. *See* Etheridge, R., Jun.
- Chelonia. *See* Ubaghs, C.
- Chemung Formation (N.Y.). *See* Darton, N. H.
- Chenango Valley (N.Y.). *See* Brigham, A. P.
- Cherson Gov. (Russia). *See* Sokolov, N.
- Chert, Billiton Island Radiolarian. *See* Hinde, G. J.
- Cherts. *See* Wieland, G. R.
- Chesham (Bucks). *See* Green, U.
- Cheshire Salt. *See* De Rance, C. E.; *see* Ward, T.
- , Subsidences through Brine Pumping. *See* Cooke, J. H.
- Chiapas (Mexico). *See* Sapper, C.
- Chihock Cave (Styria). *See* Fasching, —
- Chile, Copper Ore with Tourmaline. *See* Stelzner, A. W.
- , Eruptive Rocks. *See* Möricke, W.
- , Gold. *See* Pohlmann, R.
- , Minerals. *See* Plagemann, A.; *see* Rosell, G. R.; *see* Stuken, E.
- , Nitrates. *See* Herrmann, A.
- , Silver. *See* Gautier, F.
- Chilhowe Mt. (Tenn.). *See* Keith, A.
- Chilopys*. *See* Matthew, G. F.
- Chilotrypa*. *See* Simpson, G. B.
- Chimæra*. *See* Sauvage, H. E.
- China. *See* Bourne, F. S. A.; *see* Bishop, I.; *see* Futterer, K.; *see* Rockhill, W. W.
- Chiselhurst (Kent). *See* Whitaker, W., &c.
- Chlamys*. *See* Peron, A.
- Chlorite. *See* Ochsensius, C.
- Choapa River (Chile). *See* Sundt, L.
- Chondrites*. *See* Dawson, Sir J. W.; *see* Lorenzo, G. de.
- Chonella*. *See* Leonhard, R.
- Chonetes*. *See* Frech, F.; *see* Hicks, H., &c.; *see* Julien, A.; *see* Kayser, E.
- Chonocotyle*. *See* Gürich, G.
- Chonostrophia*. *See* Hall, J., &c.; *see* Kayser, E.
- Christiania*. *See* Hall, J., &c.
- Chromic Iron, California. *See* Crawford, J. J.
- , Canadian. *See* Glenn, W.
- Chromite. *See* Card, G. W.
- Chronology, Geological. *See* Renevier, E.
- Chrysoberyl. *See* Bauer, M.
- Chur (Grisons). *See* Piperov, C.
- Churchill River (Canada). *See* Tyrrell, J. B., &c.
- Cidaris*. *See* Koch, A.; *see* Pellat, E., &c.
- Cima d'Asta (Tyrol). *See* Salomon, W.
- Cimina (Prov. Rome) Erratic Blocks. *See* Fantappiè, L.
- Cincinnati (Ohio) Limestone Wave-marks. *See* Shannon, W. P.
- , Lower Silurian. *See* Winchell, N. H., &c.
- Cinnabar. *See* Lacroix, A.; *see* Lotte, B.
- , British Columbia. *See* Merritt, W. H.
- , France. *See* Lacroix, A.

- Cinnabar, Lombardy. See Kloos, J. H.
 —, Rocheux. See Cesàro, G.
 —, Tripuhy, Minas Geraes. See Hus-
 sak, E.
 —, Tuscany. See Spirek, V.
Cinnamomum. See Paolucci, L.
Cinnamomus. See Menzel, P.
 Cibly (Hainaut). See Lambert, J.
Circe. See Steinmann, G., &c.
 Circeo, Monte (Rome). See Viola, C.
Circophyllia. See Bontschev, S. (in
 Addendum).
Cirena. See Vinassa de Regny, P. E.
Cirripodites. See Matthew, G. F.
Cissites. See Ward, L. P.
Cladiscites. See Mojsisovics, E. von.
Cladochonus. See Hicks, H., &c.; see
 Julien, A.
Cladophlebis. See Nathorst, A. G.; see
 Rordam, K., &c.
Cladopora. See Girty, G. H.
Cladoxylon. See Solms-Laubach, Count
 H.
Clathropora. See Simpson, G. B.
Clasaurus. See Marsh, O. C.
 Clark Co. (Ind.). See Foerste, A. F.
 Classification of Rocks and Strata. See
 Frech, F.; see Loewinson-Lessing, F.;
 see Walther, J.
 — of Scandinavian, &c., Precambrian
 Deposits. See Sederholm, J. J.
 — of Strata. See Bittner, A.; see
 Marcou, J.; see Mourlon, M. F.; see
 Renevier, E.
Clathrodictyon. See Girty, G. H.; see
 Gürich, G.
Clathrospira. See Winchell, N. H., &c.
Clathurella. See Harris, G. F.
 Clava (Inverness). See Bell, D.
 Clavier (Liège). See Destinez, P.
 Clay Industries, New York. See Merrill,
 F. J. H., &c.
 — Veins in Coal. See Crane, W. R.
 Clay-working Industries, U.S.A. See
 Day, D. T., &c.
 Clays. See Branner, J. C.
 —, Brittany Quaternary. See Barrois,
 C.
 —, Colorado. See Ries, H.
 —, Hampshire. See Shore, T. W.
 —, Hungarian. See Kalecinszky, A.
 von.
 —, La Roche. See Stainer, X.
 —, Sedimentation in Water. See
 Thoulet, J.
 —, W. Prussian. See Jentzsch, A.
 Claystones, Origin of. See Nichols,
 H. W.
 Cleavage. See Van Hise, C. R.
 — & Dip. See Hitchcock, C. H.
 —, Green Mt. Region. See Dale,
 T. N.
Cleoniceras. See Parona, C. F., &c.
 Cleveland (Ohio). See Upham, W.
 — (Yorks). See Bell, T.
 — (—), Ironstone with Gallium.
 See Hartley, W. N., &c.
Clidastes. See Williston, S. W.
Clidophorus. See Winchell, N. H., &c.
Climacograptus. See Perner, J.; see
 Postlethwaite, J.; see Törnquist,
 S. L.
 Climate, Quaternary. See Péroche, J.
 Climates, Ancient. See Semper, M.
 — & Plants. See Jaccard, P.
 —, Geological. See Bernard, F.
Clinoceras. See Winchell, N. H., &c.
 Clinton (Ark.). See Newsom, J. F.,
 &c.
Clintonella. See Hall, J., &c.
Clio. See Harris, G. F.
Clionites. See Mojsisovics, E. von.
Clionychia. See Winchell, N. H., &c.
Cliothyris. See Hall, J., &c.
Clonopora. See Simpson, G. B.
 Clusone (Lombardy). See Taramelli,
 T.
 Clwyd, Vale of (N. Wales). See Lomas,
 J., &c.; see Reade, T. M.
 — (—) Carboniferous Limestone.
 See Morton, G. H.
 Clyde (Firth of) Glaciers. See Ander-
 son, J.
 — Valley (Scotland), Granite Boul-
 ders. See Bell, D.
Clydonautilus. See Mojsisovics, E. von.
Clymenia-limestone, Harz. See Koch,
 M.
Clypeaster. See Cotteau, G., &c.; see
 Koch, A.; see Mayer-Eymar, C.; see
 Vinassa de Regny, P. E.
 Coal. See Hull, E.
 —, Alabama. See McCalley, H., &c.
 —, Australian. See Steel, T.
 —, Austria. See Danilov, R.
 —, Bikanir. See La Touche, T. D.
 — (Brown), Posen. See Rosenberg-
 Lipinsky, — von.
 —, Broomhill. See Noble, A., &c.
 —, California. See Crawford, J. J.
 —, Canadian. See Hoffmann, G. C.
 —, Cape Colony. See Corstorphine,
 G. S.; see Johns, P.
 —, Clay-veins in. See Crane, W. R.
 —, Constituents. See Bedson, P. P.
 —, Dover. See Dawkins, W. B.
 —, E. & S.E. United States. See
 Head, J.
 —, Formation of. See Potonié, H.
 —, Heraclea. See Ralli, G.
 —, Hungarian. See Kalecenszky, A.
 von.
 —, Indiana. See Noyes, W. A.
 —, Iowa. See Bain, H. F.
 —, Irruptions. See Meachem, F. G.
 —, Measures, Ashby Wolds & S. Derby-
 shire. See Gresley, W. S.
 —, Mining, Great Britain. See Gallo-
 way, R. L.
 —, Pictou Co. See Gilpin, E.,
 Jun.
 —, Missouri. See White, D.
 —, New Monkland. See Prentice,
 J.
 —, New South Wales. See Coghlan,
 T. A.

- Coal, Nyassa. *See* Hauchecorne, —.
 —, Origin of. *See* Gresley, W. S.;
see Schmitz, G.; *see* Shepherd, P. G.
 —, Pre-Carboniferous. *See* Ellis, W.
 H.
 —, Prussian Brown. *See* Jentzsch,
 A.
 —, Russian. *See* Krusch, P.
 —, Tongking. *See* Brard, F.
 —, South Wales. *See* Huxham, H.
 —, Sulphur in. *See* John, C. von.
 —, Transvaal. *See* Hallimond, W.
 T.
 —, U.S.A. *See* Day, D. T., &c.
 —, W. Australia. *See* Woodward, H.
 P.
 Coalfield, Ayrshire. *See* Anon., 8.
 —, Banat. *See* Kloos, J. H.
 —, Cerrillos. *See* Stevenson, J. J.
 —, Derbyshire. *See* Gresley, W. S.
 —, Donetz. *See* Anon., 15; *see*
 Iakowlev, N.
 —, Dortmund. *See* Sievers, J.
 —, Extensions, North of France. *See*
 Bertrand, M.
 —, Fifeshire. *See* Anon., 6.
 —, Fünfkirchen. *See* Kloos, J.
 —, Hongay-Hatou. *See* Brard, F.
 —, Kent. *See* Brady, F.; *see* Daw-
 kins, W. B.; *see* De Rance, C. E.;
see Etheridge, R.
 —, Lanarkshire. *See* Anon., 9; *see*
 Prentice, J.
 —, Leicestershire. *See* Gresley, W. S.
 —, Midland. *See* Dunston, G.
 —, Nottinghamshire. *See* Dunston,
 G.
 —, Saarbruck. *See* Walth, V.
 —, Somerset. *See* Mitton, A. D.
 —, Supposed S. Glamorgan. *See*
 Howard, F. T.
 —, Upper Silesian. *See* Gæbler, C.
 —, Westphalian. *See* Cremer, L.;
see Forir, H.; *see* Walth, V.
 —, Wyre Forest. *See* Cantrill, T.
 C.
 —, Yorkshire. *See* Anon., 10; *see*
 Sutcliffe, R.
 Coalfields, Cape of Good Hope. *See*
 Johns, P.
 —, Dover & Somerset. *See* Greenwell,
 G. C.
 —, Extensions of French. *See* Ber-
 geron, J.
 —, Foreign. *See* Hull, E.
 —, Great Britain. *See* Hull, E.
 —, Indwe. *See* Johns, P.
 —, Middelburg. *See* Lloyd, H.
 —, Nova Scotian. *See* Gilpin, E.,
 Jun.
 —, Queensland. *See* Anon., 19.
 —, Transvaal. *See* Frames, M.; *see*
 Gascoyne, R.; *see* Sawyer, A. R.
 —, Zululand. *See* Garrard, J.
 Coast-Erosion. *See* Watts, W. W.
 —, British. *See* Stirrup, M.
 —, —, Holderness. *See* Boyle, J.
 B.
 Coast Line Alteration, New Zealand. *See*
 Maxwell, C. F.
 —, Upheaval & Subsidences, Baltic
 Provinces. *See* Bonsdorff, A.
 Cobalt. *See* Day, D. T., &c.
 Cochinchina. *See* Dégoutin, —; *see*
 Counillon, —.
Cococrinus. *See* Wachsmuth, C., &c.
 Cocoliths, Lias. *See* Rothpletz, A.
Cocconeis. *See* Card, G. W., &c.; *see*
 Elmore, C. J.; *see* Ostrup, E.
Cocosteus. *See* Dean, B.
Coccotethis. *See* Crick, G. C.
 Cod, Cape (Mass.). *See* Davis, W. M.
Codiacrinus. *See* Frech, F.; *see*
 Ehlert, D. P.
Codiopsis. *See* Cotteau, G., &c.
 Cœlenterata, Lower Helderberg. *See*
 Girty, G. H.
 —, Lower Silurian. *See* Girty, G. H.
Cœliocrinus. *See* Wachsmuth, C., &c.
Cœlocaulis. *See* Simpson, G. B.; *see*
 Winchell, N. H., &c.
Cœloconus. *See* Simpson, G. B.
Cœlocorypha. *See* Leonhard, R.
Cœlodus. *See* —.
Cœlonautilus. *See* Foord, A. H., &c.
Cœlospira. *See* Frech, F.; *see* Hall,
 J., &c.
Cœlurus. *See* Marsh, O. C.
Cœnites. *See* Gürich, G.
Cœnograptus. *See* Frech, F.
 Coimadaí, Victoria (Aust.). *See* Officer,
 E. G.
Collonia. *See* Lorenzo, G. de; *see*
 Vinassa de Regny, P. E.
Colodon. *See* Gaudry, A.
 Colombia (S. Am.). *See* Steinmann, G.,
 &c.
 — (—), Association of Anthracite &
 Prophyllite with Emeralds. *See* Da-
 mour, A.
Colonus-Shales, Ramsåsa. *See* Grön-
 wall, K. A.
 Colorado (U.S.A.). *See* Suess, E.
 —, Clays. *See* Ries, H.
 —, Gold. *See* Lakes, A.; *see* Porter,
 J. A.; *see* Sadler, B.
 —, Laccolites. *See* Gilbert, G. K.
 —, Mining Industry. *See* Rickard, T.
 A.
 —, Rico Mineral Veins. *See* —.
 —, River (Utah), Origin of. *See*
 Emmons, S. F.
Colubarium. *See* Harris, G. F.
Columbella. *See* Martin, K.; *see* Mayer-
 Eymar, E.
Columnastræa. *See* Bontschev, S. (in
 Addendum).
 Comanche Cretaceous, Kansas. *See*
 Williston, S. W.
 —, Series, Oklahoma & Kansas. *See*
 Vaughan, T. W.
 Combe des Prés, La (Jura). *See* Bour-
 geat, —.
 Comblain-au-Pont (Liège). *See* Lohest,
 M., &c.
Cominella. *See* Wolf, W.

- Como District (Lombardy). *See* Corti, B.
- Comoseris*. *See* Ogilvie, M. M.
- Compsocrinus*. *See* Wachsmuth, C., &c.
- Compsognathus*. *See* Marsh, O. C.
- Conanicut Island (R. Isl.). *See* Crosby, W. O.
- Conchidium*. *See* Hall, J., &c.
- Concretions, Archæan Rocks. *See* Nathorst, A. G.
- in Triassic Limestone, near Heidelberg. *See* Kehrler, F. A.
- Confolens (Charente). *See* Launay, L. de.
- Congerina*. *See* Vinassa de Regny, P. E.
- Conglomerate, Carpathian Green. *See* Grzybowski, J.
- Conglomerates, Western Indiana. *See* Hopkins, T. C.
- Congo Basin (W. Africa). *See* Cornet, J.
- (Lower) Soils. *See* Stuyvaert, E.
- Congress Exhibition, Zürich. *See* Fruh, J.
- , Geological. *See* Anon., 3, 32; *see* Gaudry, A.; *see* Russia; *see* Switzerland; *see* Woodward, H. B.
- Connecticut Igneous Rocks. *See* Hovey, E. O.
- Conocardium*. *See* Frech, F.; *see* Julien, A.; *see* Smith, J. P.; *see* Törnquist, A.
- Conoclypeus*. *See* Koch, A.
- Conocoryphe*. *See* Beecher, C. E.
- Conolichas*. *See* Winchell, N. H., &c.
- Conomitra*. *See* Harris, G. F.
- Conrad's Publication Dates. *See* Dall, W. H.
- Conradella*. *See* Winchell, N. H., &c.
- Contact-Metamorphism. *See* Dahner, K.; *see* Fairbanks, H. W.; *see* Viola, C.
- , Savoy. *See* Græff, F.
- Phenomena, Pyrenees. *See* Rous-sel, C.
- Continental Edges. *See* Cole, G. A. J.
- Continents. *See* —; *see* Suess, E.
- , Archæan. *See* Lomas, J.
- , Palæozoic. *See* Frech, F.
- , Permanence of. *See* Murray, J.
- Conularia*. *See* Kayser, E.; *see* Postle-thwaite, J.
- in 'Boulder Bed,' Salt Range. *See* Warth, H.
- Conus*. *See* Harris, G. F.; *see* Vinassa de Regny, P. E.; *see* Wolff, W.
- Convexastrea*. *See* Ogilvie, M. M.
- Cookham (Berks). *See* Treacher, L.
- Coolgardie (W. Aust.). *See* Holyroyd, A. G.
- (—), Perforated Rocks. *See* Johnson, F. D.
- Coosa Valley (Ala.). *See* McCalley, H., &c.
- COPE, E. D. *See* Anon., 26; *see* Kingsley, J. S.; *see* Woodward, A. S.
- Copenhagen (Denmark), Cretaceous Rocks. *See* Rordam, K.
- Copenhagen (Denmark), Pendulum Observations. *See* Zachariae, —, &c.
- Copper. *See* Jeremejev, P.
- , Brazil. *See* Valentin, J.
- , California. *See* Crawford, J. J.
- , Chile. *See* Stelzner, A. W.
- Deposits of the World. *See* Her-ing, C. A.
- Glance. *See* Frenzel, A.; *see* Valentin, J.
- , Styrian. *See* Frenzel, A.
- , La Caunette. *See* Bernard, M.
- , Lake Superior Region. *See* Putnam, B. R.
- Minerals. *See* Cesaro, G., &c.
- Mines, Turjinsk. *See* Fedorov, E. von.
- , New Jersey. *See* Putnam, B. R.
- , New South Wales. *See* Jaquet, J. B.
- , Norrbottens Län. *See* Petersson, W.
- , Norway. *See* Vogt, J. H. L.
- Ore with Tourmaline, Chile. *See* Stelzner, A. W.
- Pyrites. *See* Mügge, O.; *see* Ram-melsberg, O.
- , Queensland. *See* Rands, W. H.
- , Russian. *See* Krusch, P.
- , Texas. *See* Schmitz, E. J.
- , Upper Hungary. *See* Steinhausz, J.
- , U.S.A. *See* Day, D. T., &c.
- Coquandia*. *See* Peron, A.
- Coral-Atoll Foundations. *See* Sollas, W. J.; *see* Wharton, W. J. L.
- Islands. *See* Gerland, G.; *see* Langenbeck, R.
- Corals, Bulgarian Tertiary. *See* Bontschev, S. (in Addendum).
- , Carboniferous. *See* Julien, A.; *see* Thomson, J.
- , Cretaceous. *See* Koby, F.; *see* Leonhard, R.; *see* Parent, H.
- , Jurassic. *See* Canavari, M.
- , Lower Helderberg. *See* Girty, G. H.
- , Neogene. *See* Simonelli, V.
- , Palæozoic. *See* Gürich, G.; *see* Sardeson, F. W.; *see* Weissermel, W.
- , Piedmont Miocene. *See* Osasco, E.
- , Silurian. *See* Whiteaves, J. F.
- , Stramberg Deposits. *See* Ogilvie, M. M.
- Corax*. *See* Priem, F.
- Corbières (Aude) Chalk. *See* Toucas, A.
- Corbis*. *See* Woods, H.; *see* Steinmann, G., &c.
- Corbula*. *See* Kœnen, A. von; *see* Kossmat, F.; *see* Steinmann, G., &c.; *see* Wolff, W.
- Cordaites*. *See* Dun, W. S.
- Cordylocrinus*. *See* Wachsmuth, C., &c.
- Coresodon*. *See* Ameghino, F.
- Corfe Castle (Dorset). *See* Reid, C.
- Corinna (Tasmania). *See* Thornley, E. M.

- Cornell Glacier (Greenland). *See* Tarr, R. S.
- Corniale Cave (Istria). *See* Boegan, E.
- Corniculani (Tuscany). *See* Tuccimei, G.
- Cornulites. *See* Beyer, E.; *see* Gürich, G.
- Cornus. *See* Paolucci, L.
- Cornuspira. *See* Morton, F. S.
- Cornutanna. *See* Cayeux, L.
- Cornwall. *See* Geikie, Sir A.; *see* Hunt, A. R.
- , Devonian Fauna. *See* Collins, J. H.
- , Radiolarian Rocks. *See* Hinde, G. J., &c.
- Corsica, Mammalian Remains. *See* Depéret, C.
- , Ore Deposits. *See* Nentien, —.
- Corundum. *See* Busz, K.; *see* Gonnard, F.; *see* Holmes, J. A.; *see* Jeremejev, P.
- , Madras. *See* Middlemiss, C. S.
- , Montana. *See* Pirsson, L. V.
- , U.S.A. *See* Day, D. T., &c.; *see* Holmes, J. A.
- Corylus. *See* Paolucci, L.
- Corynella. *See* Zeise, O.
- Coscinella. *See* Simpson, G. B.
- Coscinium. *See* —.
- Coscinotrypa. *See* —.
- Cosmoceras. *See* Brash, L.
- Cossmannella. *See* Mayer-Eymar, C.
- Costa Rica (Central America). *See* Church, G. E.
- Côte-d'Or (Burgundy). *See* Collet, —; *see* Maisson, —.
- Cotteswold District (Gloucester). *See* Colchester-Wemyss, M. W.
- , 1896 Earthquake. *See* Winwood, H. H.
- , Hills Gravels. *See* White, H. J. O.
- Cottian Alps (Piedmont). *See* Franchi, S.; *see* Novarese, V.; *see* Stella, A.
- Cotunnite. *See* Stöber, F.
- Courland (Baltic Prov.). *See* Jonas, R.; *see* Toll, E.
- Court-Saint-Etienne (Brabant). *See* Goblet d'Alviella, E.
- Couvin (Namur) Caverns. *See* Anon., I.
- Couvinian, Namur Basin. *See* Dorlodot, H. de.
- Couzon (Rhône) Calcite. *See* Gonnard, F.
- Cowal (Argyll). *See* Gunn, W., &c.
- Cowcroft Hill (Bucks). *See* Green, U.
- Crag Fauna. *See* Bell, A.
- Cranæna. *See* Hall, J., &c.
- Cranberry (N. Car.). *See* Kimball, J. P.
- Crangopsis. *See* Ortmann, A. E.
- Crania. *See* Hall, J., &c.; *see* Miller, S. A., &c.
- Craniella. *See* Hall, J., &c.
- Crassatella. *See* Steinmann, G., &c.
- Cratægus. *See* Etingshausen, C. von; *see* Paolucci, L.
- Crater Lake (Oregon). *See* Diller, J. S.
- Craticularia. *See* Leonhard, R.; *see* Zeise, O.
- Crayford (Kent). *See* Monckton, H. W.
- Creosaurus. *See* Marsh, O. C.
- Crepidula. *See* Cossmann, M.
- Crepipora. *See* Simpson, G. B.
- Creseis. *See* Steinmann, G., &c.
- Crespin (Nord). *See* Ladrrière, J.
- Cretaceous Algerian Ammonites. *See* Peron, A.; *see* Ponsel, A.
- , Belemnites, N. European. *See* Stolley, E.
- , Belgian and Dutch. *See* Ubaghs, C.
- , Birds. *See* Marsh, O. C.; *see* Williston, S. W.
- , Bohemian. *See* Zelizko, J. V.
- , Brunswick. *See* Kloos, J. H.; *see* Müller, G.
- , Calanda. *See* Piperov, C.
- , Californian. *See* Fairbank, H. W.
- , Cameroons. *See* Koenen, A. von.
- , Central Apennine. *See* Bonarelli, G.
- , Cephalopoda. *See* Crick, G. C.; *see* Honorat-Bastide, E. F.
- , Chalk Rock Fauna. *See* Woods, H.
- , Corals. *See* Koby, F.; *see* Parent, H.
- , Corbières. *See* Toucas, A.
- , Crustacea, Kansas. *See* Logan, W. N.; *see* Ortmann, A. E.
- , Cycads. *See* Ward, L. F.
- , Deposits, Microscopic Observations on. *See* Cayeux, L.
- , Dinosaurs. *See* Marsh, O. C.
- , E. United States. *See* Clark, W. B.
- , England & France. *See* Jukes-Browne, A. J., &c.
- , Echinoderms. *See* Loriol, P. de.
- , Baltic. *See* Schlüter, C.
- , Ciplý. *See* Lambert, J.
- , Cuba. *See* Cotteau, G., &c.
- , Fauna, Brunswick. *See* Wolle-mann, A.
- , Capri. *See* Oppenheim, P.
- , Ligurian. *See* Parona, C. F., &c.
- , Pondicherry. *See* Kossmat, F.
- , Upper Silesia. *See* Leonhard, R.
- , Venetian Alps. *See* Böhm, G.
- , U.S.A. *See* Stanton, T. W.
- , Fishes, Péronne. *See* Priem, F.
- , Westphalian. *See* Woodward, A. S.
- , Galician Beds. *See* Grzybowski, J.
- , Gasteropoda, French. *See* Cossmann, F.
- , Hanover. *See* Müller, G.
- , Hippurites-Beds. *See* Toucas, A.
- , Joux Valley, &c. *See* Schardt, H.
- , Köln Valley. *See* Burckhardt, K.

- Cretaceous (Lower) Fauna, Mungo, Cameroons. *See* Keenen, A. von.
 — (—), Lombardy. *See* Parona C. F.
 — Mammalia, Argentine. *See* Ameghino, F.
 — Mollusca, Tunis. *See* Peron, A.
 —, Mondego. *See* Choffat, P.
 —, Mons (Var). *See* Guébbard, A.
 —, Normandy, &c. *See* Jukes-Browne, A. J., &c.
 —, N. French. *See* Hankar, A.
 —, Pyrenees & Provence. *See* Grossouvre, A. de.
 — Reptilia. *See* Thévenin, A.
 —, Kansas. *See* Williston, S. W.
 —, Riasan. *See* Bogoslowsky, N. A.
 — Rock, Denmark. *See* Rordam, K.
 —, Dorset. *See* Mansel-Pleydell, J. C.
 —, Saxony. *See* Petracezek, W.
 —, S.E. France. *See* Sayn, G.; *see* Stuart-Menteth, P. W.
 —, S. Russian. *See* Toula, F.
 — (Upper), Eastbourne. *See* Pratt, R.
 —, Venezuela, &c. *See* Steinmann, G., &c.
 —, W. French. *See* Welsch, J.,
 —, Zürich District. *See* Burkhardt, C.
 Creusot (Saône-et-Loire). *See* Delafond, —.
Cricetus. *See* Nüesch, J., &c.
Cricotus. *See* Williston, S. W.
 Crimea (Russia). *See* Golovkinski, N.;
see Lagorio, A.; *see* Toula, F.; *see* Vogdt, C. de.
 —, Salt Waters. *See* Kurnakov, N.
 Crinoidea. *See* Bather, F. A.
 —, Carboniferous. *See* Julien, A.
 —, Devonian. *See* Ehlert, D. P.
 —, Isère Neocomian. *See* Loriol, P. de.
 —, Ordovician. *See* Darton, N. H.
 —, Palaeozoic. *See* Frech, F.; *see* Jækel, O.; *see* Kayser, E.; *see* Miller, S. A., &c.
 —, Silurian. *See* Wachsmuth, C., &c.
 —, S. French Tertiary. *See* Pellat, E., &c.
 —, Wetzlar Devonian. *See* Beyer, E.
Criodrilus. *See* Wesenberg-Lund, C.
 Cripple Creek (Colo.). *See* Skewes, E.
Crisinella. *See* Simpson, G. B.
Crispispongia. *See* Zeise, O.
Cristatella. *See* Wesenberg-Lund, C.
Cristellaria. *See* Burrows, H. W., &c.;
see Fornasini, C.
 Crocodile, Italian Tertiary. *See* Capellini, G.
 Crocodiles, Mesozoic. *See* Woodward, A. S.
 Cromer Cliff Bibliography. *See* Harrison, W. J.
 — Forest-Bed Fauna near Copenhagen. *See* Sarauw, G. F. L.
 — Worked Flints. *See* Abbott, W. J. L.
Cromyosphæra. *See* Caveux, L.
 Cross, J. E. *See* Woodward, H. B.
Crotalocrinus. *See* Wachsmuth, C., &c.
 'Crow-feet.' *See* Hopkins, T. C.
 Croydon (Surrey) Gravels. *See* Hinde, G. J.
 Crush-Conglomerates, Anglesey. *See* Geikie, Sir A.
 Crustacea. *See* Chapman, F.; *see* Jones, T. R.; *see* Krause, A.; *see* Sherborn, C. D.; *see* Volz, W.; *see* Woodward, H.
 —, Carboniferous. *See* Julien, A.
 —, — and Cretaceous. *See* Ortman, A. E.
 —, Cretaceous. *See* Leonhard, R.; *see* Logan, W. N.; *see* Steinmann, G., &c.
 —, Danish Peat. *See* Wesenberg-Lund, C.
 —, Devonian. *See* Hicks, H., &c.; *see* Ehlert, D. P.
 —, Oligocene. *See* Wolff, W.
 —, Palaeozoic. *See* Bernard, H. M.; *see* Frech, F.; *see* Jones, T. R.; *see* Matthew, G. F.
 —, Silurian. *See* Etheridge, R., Jun., &c.; *see* Postlethwaite, J.; *see* Whitfield, R. P.; *see* Winchell, N. H., &c.
 —, Stramberg Deposits. *See* Mörické, W.
 —, Tertiary. *See* Bell, A.
Cryphæus. *See* Kayser, E.; *see* Ehlert, D. P.
Cryptocænia. *See* Ogilvie, M. M.
Cryptonella. *See* Hall, J., &c.
Cryptozoon. *See* Dawson, Sir J. W.
 Crystal-Twinning. *See* Hecht, B.; *see* Mügge, O.
 Crystalline Rocks, Bavaria. *See* Klemm, G.
 —, Gases in. *See* Tilden, W. A.
 —, Lower Tauern. *See* Dørlter, C.; *see* Ippen, J. A.
 —, Water from. *See* Markham, Sir C. B.
 —. *See also* Igneous Rocks.
 — Structure of Gold and Platinum. *See* Liversidge, A.
 Crystallization of Rocks. *See* Becker, G. F.
 Crystallography. *See* Barlow, W.; *see* Beckenkamp, J.; *see* Chrustshov, K. von; *see* Ehlers, J.; *see* Fedorov, E. von; *see* Fock, A.; *see* Goldschmidt, V.; *see* Hecht, B.; *see* Hlawatsch, C.; *see* Jeremejev, P. W.; *see* Lacroix, A.; *see* Levallois, A.; *see* Rammelsberg, C.; *see* Rinne, F.; *see* Rohn, K.; *see* Sjögren, H.; *see* Souza-Brandão, V. de; *see* Stöber, F.; *see* Vater, H.; *see* Viola, C.; *see* Wallerant, F.; *see* Weder, O.; *see* Wulff, G.
 Crystals, Internal Structure. *See* Cesàro, G.
Ctenerpeton. *See* Cope, E. D.
Ctenis. *See* Staub, M.
Ctenobolbina. *See* Krause, A.; *see* Winchell, N. H., &c.

- Ctenodonta*. See Frech, F.; see Törnquist, A.; see Winchell, N. H., &c.
Ctenopyge. See Frech, F.
 Cuba (W. I.), Cretaceous Echinoderms. See Cotteau, G., &c.
Cucullæa. See Steinmann, G., &c.
 Culm (Harz). See Koch, M.
 Culm-Measures, Radiolarian Rocks in Devonian. See Hinde, G. J., &c.
 Cumberland. See Foster-Barham, H. G., &c.; see Geikie, Sir A., &c.
Cuneamya. See Winchell, N. H., &c.
Cunonia. See Menzel, P.
Cupressocrinus. See Beyer, E.
 Current-Bedding. See Seeley, H. G.
 Cusped Forelands. See Gulliver, F. P.
Cuspidaria. See Woods, H.
 Cutch (India). See Blake, J. F.
 Cuyahoga Gorge (Ohio). See Pierce, S. J.; see Upham, W.
Cyathaxonia. See Julien, A.
Cyathocrinus. See Wachsmuth, C., &c.
Cyathophora. See Koby, F.; see Ogilvie, M. M.
Cyathophyllum. See Gürich, G.
Cyathophyrus. See Dawson, Sir J. W.
Cybele. See Postlethwaite, J.; see Törnquist, S. L.; see Winchell, N. H., &c.
Cybium. See Storms, R.
 Cycads, Cretaceous. See Ward, L. F.
 —, Oolitic. See Mansel-Pleydell, J. C.
Cycadeoidea. See Seward, A. C.; see Ward, L. F.
Cycloceras. See Parona, C. F.
Cyclocypris. See Chapman, F.
Cyclognathus. See Frech, F.
Cyclonema. See Winchell, N. H., &c.
Cyclopora. See Simpson, G. B.
Cycloporina. See —.
Cyclorhina. See Hall, J., &c.
Cyclospira. See —.
Cyclostoma. See Wesenberg-Lund, C.; see Wolff, W.
Cygnus, Pliocene. See Portis, A.
Cylichnella. See Cossmann, M.
Cymatopleura. See Elmore, C. J.
Cymbella. See —.
Cynodontos. See Woodward, A. S.
Cypellia. See Zeise, O.
Cyphaspis. See Beyer, E.; see Törnquist, S. L.; see Winchell, N. H., &c.
Cyphosoma. See Cotteau, G., &c.
Cypræa. See Hall, T. S., & G. B. Pritchard.
Cypria. See Chapman, F.
Cypricardella. See Frech, F.
Cypricardia. See Vinassa de Regny, P. E.
Cypricardinia. See Hicks, H., &c.; see Ehlert, D. P.
Cypridopsis. See Chapman, F.
Cyprina. See Kossmat, F.; see Peron, A.; see Wolf, W.
Cypris. See Chapman, F.
Cyrtoceras. See Gürich, G.
Cyrena. See Wolf, W.
Cyrtia. See Hall, J., &c.
Cyrtina. See Gürich, G.; see Hall, J., &c.
Cyrtocalpis. See Cayeux, L.
Cyrtoceras. See Gürich, G.; see Winchell, N. H., &c.
Cyrtocerina. See Winchell, N. H., &c.
Cyrtoclymenia. See Frech, F.
Cyrtodonta. See —; see Winchell, N. H., &c.
Cyrtograptus. See Frech, F.
Cyrtolites. See Winchell, N. H., &c.
Cyrtometopus. See —.
Cyrtospira. See —.
 Cystocidaroida. See Gregory, J. W.
Cystodictya. See Simpson, G. B.
Cystopora. See —.
Cythara. See Harris, G. F.
Cythera. See Kœnen, A. von; see Steinmann, G., &c.; see Wolff, W.
Cytherella. See Ehlert, D. P.; see Winchell, N. H., &c.
Czekanowskia. See Nathorst, A. G.
- Dachstein-Limestone Chronology. See Ettingshausen, C. von.
 Dacite, Asia Minor. See Washington, H. S.
Dacosaurus. See Gallinek, E.
Daemonelix. See Barbour, E.
 Dahra (Algeria) Massif. See Pallary, P.
 — (—) Pliocene. See Brive, A.; see Welsch, J.
 Dakota, Artesian Water. See Darton, N. H.
 —, Fullers' Earth. See Ries, H.
 — Miocene Dinocerata. See Marsh, O. C.
 — Silurian. See Beecher, C. E.
 — (S.). See Frazer, P.
 Dalarne (Sweden). See Törnquist, S. L.
Dalmanella. See Hall, J., &c.
Dalmania. See Frech, F.
Dalmanites. See Beecher, C. E.; see Hicks, H., &c.; see Winchell, N. H., &c.
 Dalmatian Trias. See Bukowski, G. von.
 Dalry (Ayr). See Smith, J.
 DANA, J. D. See Beecher, C. E.
 Danish Calcareous Tufa. See Ravn, J. P. J.
 — 'Cromer Forest-Bed' Fauna, &c. See Sarauw, G. F. L.
 — Peat-Deposit Fauna. See Wesenberg-Lund, C.
 — Pleistocene Plant-Deposits. See Ravn, J. P. J.; see Wesenberg-Lund, C.
 —. See also Denmark.
 Danube Alluvium (Hungary). See Halaváts, J.
 Danville (Quebec) Asbestos. See Jones, R. H.
 Danzig (Prussia). See Lepsius, R.
Daphnella. See Harris, G. F.
Daphnia. See Wesenberg-Lund, C.
Daphnogene. See Ettingshausen, C. von.
 Dartmoor (Devon). See Hinde, G. J.

- Dartmoor (Devon), Absence of Small Lakes. *See* Somervail, A.
 — (—) Corundum. *See* Busz, K.
 — (—) Stone-Implements. *See* Burnard, R.
Darwinula. *See* Chapman, F.
 DAUBRÉE, G. A. *See* Bertrand, J., &c.; *see* Kemp, J. F.; *see* Meunier, S.
 Davos District (Engadin). *See* Ball, J.
 — Platz (Engadin). *See* Tucker, W. T.
 DAWSON, G. M. *See* Hinde, G. J.
Dayia. *See* Hall, J., &c.; *see* Reed, F. R. C.
 DE LA BECHE, Sir T. *See* Chambers, T. G.
 Debreczen (Hungary). *See* Inkey, B. von.
Decadocrinus. *See* Wachsmuth, C., &c.
 Decatur Co. (Ind.). *See* Foerste, A. F.
Dechenella. *See* Gürich, G.
 Deepcar (Yorks). *See* Coultas, F.
 Deep-Sea Deposits. *See* Kendall, P. F.; *see* Walther, J.; *see* Wethered, E. B.
 — — —, Gulf of Gascony. *See* Thoulet, J.
 — — —, Fauna. *See* Günther, A.
 Deformation of Rocks. *See* Van Hise, C. R.
Deiphon. *See* Törnquist, S. L.
Dekayella. *See* Simpson, G. B.
Dekayia. *See* —.
 Delaware (U.S.A.). *See* Darton, N. H.
 — — —, Cretaceous. *See* Clark, W. B., &c.
Delphinula. *See* Cossmann, M.; *see* Hall, T. S., &c.; *see* Vinassa de Regny, P. E.
 Delta Deposits, Nile. *See* Judd, J. W.
 Demerara (British Guiana) Gold. *See* Granger, H. G.
 Denbighshire. *See* De Rance, C. E.
 Dendrites, Manganese. *See* MacKay, A. H.
Dendrocolum. *See* Wesenberg-Lund, C.
Dendrograptus. *See* Frech, F.
Dendrogyra. *See* Ogilvie, M. M.
Dendrophyllia. *See* Osasco, E.
 Denée (Namur) Carboniferous Fauna. *See* Soreil, G.
 Denmark, Cretaceous Rocks. *See* Rordam, K.
 — — —, Earthquakes. *See* Hintze, V.
 — — —, Glacial Deposits. *See* Aagard, C. E.; *see* Jessen, A.; *see* Madsen, V.; *see* Rordam, K., &c.; *see* Ussing, N. V.
 — — —, Quaternary Deposits. *See* Andersson, F.; *see* Wesenberg-Lund, C.
 — — —. *See* Danish.
Dennantia. *See* Harris, G. F.
Dentalium. *See* Cossmann, M.; *see* Kossmat, F.; *see* Loriol, P. de; *see* Wolff, W.
 Denudation. *See* Davis, W. M.
 — — —, Arctic. *See* Tarr, R. S.
 — — —, Chalk. *See* Cole, G. A. J.
 — — —, Glacial. *See* Meunier, S.
 Denudation, Lake-water. *See* Delebecque, A.
 — — —, N. African. *See* Baltzer, A.
Derbya. *See* Hall, J., &c.
 Derbylite. *See* Hussak, E.
 Derbyshire, Carboniferous Sea-Beach. *See* Barnes, J., &c.
 — — — (S.) Coalfield. *See* Gresley, W. S.
 DES CLOITZEAUX, A. *See* Damour, A.; *see* Termier, P.
 Desert, N. African. *See* Baltzer, A.
 Deserts, Fossil. *See* Walther, J.
Deshayesia. *See* Vinassa de Regny, P. E.
 Desmine. *See* Habert, P. C.; *see* Rinne, F.
Desmoceras. *See* Leonhard, R.; *see* Parona, C. F., &c.; *see* Steinmann, G., &c.
Desmophyllum. *See* Osasco, E.
Deuterotherium. *See* Ameghino, F.
 'Devil's Corkscrews.' *See* Barbour, E. H.
 Devil's Lake (Wis.). *See* Salisbury, R. D., &c.
 Dévoluy (Hautes-Alpes). *See* Martel, E. A.
 — — — (—), Nummulitic Beds. *See* Lory, P.
 Devon. *See* Geikie, Sir A.; *see* Hunt, A. R.
 — — —, Cenomanian. *See* Jukes-Browne, A. J.
 — — —, Morte Slates, &c. *See* Hicks, H., &c.
 — — —, Radiolarian Rocks. *See* Hinde, G. J., &c.
 Devonian, Argentina. *See* Bodenbender, G.; *see* Kayser, E.
 — — —, Belgian. *See* Gosselet, J.
 — — —, Bohemian & Rhenish. *See* Kayser, E., &c.
 — — —, Brachiopoda. *See* Béclard, F.; *see* Frech, F.; *see* Hall, J., &c.; *see* Ehlert, D. P.
 — — —, Cephalopoda, Spanish. *See* Ehlert, D. P.
 — — —, Corals. *See* Weissermel, W.
 — — —, Crinoidea, Spanish. *See* Ehlert, D. P.
 — — —, Donetz Basin. *See* Tchernyshev, T., &c.
 — — —, Entomostraca, Spanish. *See* Ehlert, D. P.
 — — —, Fauna. *See* Frech, F.
 — — —, Cornish. *See* Collins, J. H.
 — — —, Illinois. *See* Weller, S.
 — — —, Santa Lucia (Leon). *See* Ehlert, D. P.
 — — —, W. Somerset, &c. *See* Hicks, H., &c.
 — — —, Fishes. *See* Claypole, E. W.; *see* Dean, B.; *see* Eastman, C. R.
 — — —, Footprints, Amphibian. *See* Marsh O. C.
 — — —, Gasteropoda, Spanish. *See* Ehlert, D. P.
 — — —, Harz. *See* Beushausen, L., &c.; *see* Koch, M.

- Devonian Lamellibranchiata, Spanish. See Ehlert, D. P.
- Limestone Fauna, Haina. See Beyer, E.
- , Magdeburg. See Wolterstorff, W.
- , Ourthe Valley. See Mourlon, M.
- Plants, Indiana. See Duden, H.
- , N.S.W. See Dun, W. S.
- , Rhenish Highlands. See Holzapfel, E. L.
- , Rhenish Prussia. See Leppla, A.
- Silurian Fauna, Canada. See Matthew, G. F.
- , S. U.S.A. See Williams, H. S.
- , S.W. England. See Hicks, H., &c.
- Stromatoporidae. See Lebedev, N.
- Trilobites. See Fournier, G.; see Ehlert, D. P.
- , Upper Mississippi Valley. See Keyes, C. R.
- Diabase, Italian. See Viola, C.
- Pitchstone, New England. See Emerson, B. K.
- , S.W. Norway. See Kolderup, C. F.
- Diaboloerinus*. See Wachsmuth, C., &c.
- Diademodon*. See Seeley, H. G.
- Diadiaphorus*. See Hatcher, J. B.
- Diallage, Melting-Point. See Cusack, R.
- Diallogite. See Schulten, A. de.
- Diamnesopora*. See Simpson, G. B.
- Diamond Deposits, S. Africa. See Gürich, G.; see Launay, L. de.
- Mines, Kimberley. See Crookes, W.
- , (S. Africa). See Bonney, T. G.
- Reproduction. See Majorana, J. G.
- Diamonds. See Crookes, W.; see Curran, J. M.; see Harger, H. S.; see Lewis, H. C.; see Rossel, A.
- , S. Africa, &c. See Launay, L. de.
- , Transvaal. See Garnier, J.
- , Ural. See Jeremejev, P. W.
- Diaphorites*. See Fucini, A.
- Diastoporina*. See Simpson, G. B.
- Diatomaceæ, Lias. See Rothpletz, A.
- , Nebraska Fossil. See Barbour, E. H.; see Elmore, C. J.
- , Suessonian. See Tempère, J.
- Diatomaceous Deposits, Nebraska. See Barbour, E.
- Earth, Iceland. See Östrup, E.
- , N.S.W. See Card, G. W.
- Diblasus*. See Parent, H.
- Dicamara*. See Hall, J., &c.
- Dicelloccephalina*. See Bröger, W. C.
- Dicelloccephalus*. See Frech, F.; see Holm, G.
- Dicellograptus*. See Frech, F.
- Diceratherium*. See Hatcher, J. B.
- Diceratian. See Paquier, V., &c.
- Dichocrinus*. See Miller, S. A., &c.; see Wachsmuth, C., &c.
- Dichograptus*. See Frech, F.; see Postlethwaite, J.
- DICKSON, O. See Natorst, A. G.
- Diclidaster*. See Loriol, P. de.
- Dicotyledons, Earliest. See Ward, L. F.
- Dicranella*. See Winchell, N. H., &c.
- Dicranograptus*. See Frech, F.
- Dictyastrum*. See Cayeux, L.
- Dictycapsa*. See —.
- Dictyocephalus*. See —.
- Dictyomitra*. See —.
- Dictyonema*. See Frech, F.; see Girty, G. H.; see Wiman, C.
- Didolodus*. See Ameghino, F.
- Didymites*. See Mojsisovics, E. von.
- Didymograptus*. See Frech, F.; see Hall, T. S.; see Kayser, E.; see Postlethwaite, J.
- Didymotis*. See Steinmann, G., & K. Gerhardt.
- Die (Basses-Alpes). See Kilian, W.; see Lory, P.; see Paquier, V.
- Dielasma*. See Hall, J., &c.; see Julien, A.
- Diastian. See Rutot, A.
- Digne (Basses-Alpes). See Haug, E.; see Kilian, W.; see Zürcher, P.
- Dilobella*. See Winchell, N. H., &c.
- Diluvial Transylvanian Mammals. See Koch, A.
- Diluvium, Aare & Rhône Glacier. See Baltzer, A.
- , Hungarian. See Koch, A.
- , Livonian. See Doss, B.
- , N. German. See Müller, G.
- , Prussia. See Jentzsch, A.
- Reindeer, Halbe. See Wahnschaffe, F.
- , Rochlitz. See Danzig, E.
- Dimlington (Yorks) Glacial Beds. See Lamplugh, G. W.
- Dimorpharæa*. See Ogilvie, M. M.
- Dimorphastræa*. See Koby, F.; see Ogilvie, M. M.
- Dimorphodon*. See Ridewood, W. G.
- Dimorphograptus*. See Frech, F.; see Törnquist, S. L.
- Dinarites*. See Lorenzo, G. de.
- Dinesus*. See Etheridge, R., Jun.
- Dinichthys*. See Claypole, E. W.; see Dean, B.; see Eastman, C. R.
- Dinictis*. See Riggs, E. S.
- Dinocerata, Dakota Miocene. See Marsh, O. C.
- Dinornis*. See Stirling, E. C., &c.
- Dinosauria. See Marsh, O. C.
- , Argentine. See Ameghino, F.
- , Footprints. See Mansel-Pleydell, J. C.
- , Madagascar. See Boule, M.
- , Permian. See Williston, S. W.
- , S. American. See Ameghino, F.
- Dioplodon*. See Portis, A.
- Diorite, Bernese Highlands. See Wehrli, L.
- , Bündner Oberland. See Wehrli, L.
- District, Schlans. See Wehrli, L.
- Diospyra*. See Paolucci, L.
- Diotis*. See Fucini, A.
- Dip & Cleavage. See Hitchcock, C. H.
- & Strike. See Blaas, J.
- Diphyphyllum*. See Gürich, G.
- Diplaræa*. See Ogilvie, M. M.
- Dipleura*. See Beecher, C. E.

- Diplocænia*. See Ogilvie, M. M.
Diplocodus. See Marsh, O. C.
Diplodon. See Portis, A.
Diplograptus. See Frech, F.; see Perner, J.; see Postlethwaite, J.; see Ruedemann, R.; see Törnquist, S. L.
Diplopodia. See Loriol, P. de; see Lorenza, G. de.
Dipsaccus. See Martin, K.; see Reinhard, C.
Diracodon. See Marsh, O. C.
 Dirschau (W. Prussia). See Jentzsch, A.
Discina. See Bolton, H.; see Kœnen, A. von; see Postlethwaite, J.
Discites. See Foord, A. H., &c.
Discobina. See Chapman, F.
Discoceras. See Peron, A.
Discoidea. See Cotteau, G., &c.
Discorbina. See Morton, F. S.
Disthene. See Cayeux, L.
 Distribution of Faunas in Geological Time. See Bernard, F.
 — of Mammals. See Sclater, W. L.
 — of Shap Fells Granite-Boulders. See Foster-Barham, H. G.
 — of Towns & Villages. See Chisholm, G. G.
Dittmarites. See Mojsisovics, E. von.
Dives (Normandy). See Brash, L.
Dizygoerinus. See Wachsmuth, C., &c.
 Dniepr (S. Russia) Igneous Rocks. See Krotov, P.
 Dobrudscha (Roumania). See Anastasiu, V.
 Dobsina (Hungary). See Melzer, G.
 Dogger Chimæroid Fishes' Eggs. See Jäkel, O.
 —, S. Baden. See Schalch, F.
 Dognacki (Hungary). See Pelikan, A.
Dolatocrinus. See Miller, S. A., &c.; see Wachsmuth, C., &c.
 Dolerite. See Twelvetrees, W. H.
 'Doline.' See Caves.
 Domes & Peripheries. See Bertrand, M.
Donax. See Wolff, W.
 Donetz Basin (Russia). See Sokolov, N., &c.; see Tchernyshev, T., &c.
 — Coalfield (—). See Anon., 16; see Iakowlev, N.
 Dordogne Caves (Périgord). See Rivière, E.; see Rupin, E.
 Dorpat University Meteorites. See Loewinson-Lessing, F.
 Dorset Chalk - Downs Valleys. See Jukes-Browne, A. J.
 — County Museum. See Jukes-Browne, A. J.
 — Gravels and Sarsenstones. See Mansel-Pleydell, J. C.
 — Mineral Waters. See Groves, T. B.
 —, Oolitic & Pleistocene Fauna, &c. See Mansel-Pleydell, J. C.
 Dortmund (Westphalia). See Sievers, J.; see Stockfleth, —.
 Dortmund-Emsbüfen Canal (Westphalia) Diluvium. See Müller, G.
Dorycrinus. See Miller, S. A., &c.; see Wachsmuth, C., &c.
Dorypyge. See Frech, F.
Dorysphæra. See Hinde, G. J.
Dosina. See Hall, T. S., &c.; see Peron, A.
Douvilleceras. See Parona, C. F., &c.
Dowillina. See (Ehler), D. P.
 Dover (Kent). See Rowe, A. W.
 — Coalfield. See Brady, F., &c.; see Dawkins, W. B.; see De Rance, C. E.; see Etheridge, R.; see Greenwell, G. C.; see Zeiller, R.
Dreissena. See Bukowski, G. von.
Drepanella. See Winchell, N. H., &c.
Drepanolepis. See Nathorst, A. G.
 Drewton Dale (Yorks). See Cole, E. M.
 Drift Agriculture, Ireland. See Kilroe, J. R.
 —, Ayrshire High Level. See Smith, J.
 — Deposits, Mull of Kintyre. See Bell, D., &c.
 —, Illinois. See Hershey, O. H.
 —, Man, Ohio. See Claypole, E. W.
 —, N. German. See Krause, P. G.
 —, N. Welsh Glacio-Marine. See Reade, T. M.
 — Pebbles, Silurian Ostracoda from Dutch. See Krause, A.
 —, Puget Sound. See Willis, B.
 —, St. Paul City. See Upham, W.
 —, Shropshire. See Callaway, C.
 —, Wisconsin. See Salisbury, R. D., &c.
 —, Yorkshire. See Kendall, P. F.
Drillia. See Hall, T. S., & G. B. Pritchard; see Harris, G. F.
 Drumlins, N. German. See Keilhack, K.
Druppastylus. See Cayeux, L.
Druppula. See —.
 Dry River Channels, Muirkirk. See Smith, J.
 Duben-Pretzsch (Merseburg) Railway-Sections. See Keilhack, K.
 Dublin Co. See Cole, G. A. J.
 — Granite-Boulders. See Close, M.
 Dufrenoyite. See Baumhauer, H.
 Dugong-Remains in Submerged Forest near Sydney (N.S.W.). See Etheridge, Jun., &c.
 Dunamünde (Courland). See Bondorf, A.
Duncanella. See Girty, G. H.
 Dunes. See Cornish, V.
 —, Gascony. See Durègne, E.
 —, Nova Scotian. See Bailey, L. W.
 —, Oran Sahara. See Flamand, G. B. M.
 Dungeness Foreland (Kent). See Gulliver, F. P.
 Dunmore Head (Co. Down). See Cole, G. A. J.
 DUPONT, E. See Aguilion, L.
 Durham. See Geikie, Sir A., &c.
 — Salt. See Bell, T.
 Dust-Shower, Napier (N.Z.). See Hill, H.

- Dutch Cretaceous. *See* Ubaghs, C.
 — E. Indies. *See* Martin, K.; *see* Verbeek, R. D. M.
 — Silurian Drift Ostracoda. *See* Krause, A.
 Dykes, Adirondacks (N.Y.), Pre-Cambrian & Post-Ordovician. *See* Cushing, H. P.
 —, Connecticut Acid. *See* Hovey, E. O.
 —, Flow Structure. *See* Holland, T. H.
 —, Gogebic Iron Range. *See* Boss, C. M.
 —, Kimberley. *See* Bonney, T. G.
 —, S. India. *See* Holland, T. H.
Dyscrites. *See* Matthew, G. F.
- Earth, Age of. *See* Goodchild, J. G.; *see* Maillard, L.; *see* Poulton, E. B.
 —, Changes of Surface. *See* Loewinson-Lessing, F.; *see* Sacco, F.
 —, Cooling & Mountains. *See* Hergesell, H.
 —, Dislocations & Surface. *See* Suess, E.
 —, Expulsion of Gases from. *See* Shaler, N. S.
 —, Fractures. *See* Woodworth, J. B.
 —, Heat, &c. *See* Bartoli, A.
 —, Magnetism. *See* Chelius, C., &c.; *see* Pockels, F.; *see* Schmidt, A.; *see* Tardy, C.
 —, Mean Density. *See* Preston, E. D.
 —, Radial Variation. *See* Lobley, J. L.
 —, Polar Displacements. *See* Péroche, J.
 —, Post-Cambrian Shrinkage. *See* Lobley, J. L.
 —, Temperature. *See* Branco, W., &c.; *see* Stirling, J.
 —, Water in Crust. *See* Keller, O.
- Earth's Crust. *See* Brückner, E.; *see* Günther, S.; *see* Le Conte, J.; *see* Wagner, H.
 —, Noises. *See* Van den Broeck, E.
 —, Original. *See* Lomas, J.
 —, Interior. *See* Stapff, F. M.
 —, & Climates. *See* Semper, M.
- Earthquake, British Isles. *See* Lobley, J. L.
 —, Charleston (Mo.). *See* Purdue, A. H.
 —, 1896, Cotteswold District. *See* Winwood, H. H.
 —, Frequency. *See* Knott, C. G.
 —, Periodicities. *See* Schuster, A.
- Earthquakes. *See* Davison, C.; *see* Ehlert, R.; *see* Knott, C. G.; *see* Lomas, J.; *see* Markham, C. A.; *see* Milne, J.; *see* Oldham, R. D.; *see* Rebeur-Paschwitz, E. von; *see* Rudolph, E.; *see* Schmidt, A.; *see* Shaler, N. S.; *see* Suess, F. E.; *see* Supan, A.; *see* Tacchini, P.; *see* Van den Broeck, E.; *see* Watts, W. W.
- Earthquakes, Assam. *See* Gait, E. A., &c.
 —, Austria-Hungary, 1896. *See* Mojsisovics, E. von.
 —, Calcutta. *See* Anon., 31 & 35; *see* La Touche, T. D.
 —, Denmark. *See* Hintze, V.
 —, England & Wales, 1896. *See* Clark, J. E.; *see* Davison, C.
 —, Greece. *See* Gerland, G.; *see* Papavasilion, S. A.
 —, Guatemala. *See* Sapper, C.
 —, Hainaut. *See* Munck, E. de.
 —, Hungarian. *See* Koch, A.
 —, India. *See* Anon., 31 & 35; *see* Gait, E. A.
 —, Japan. *See* Davison, C.; *see* Rein, J.
 —, Pembroke. *See* Davison, C.
 —, Silesian. *See* Dathe, E.
 —, Styria. *See* Mojsisovics, E. von.
 —, Submarine. *See* Milne, J.; *see* Rudolph, E.
 —, Sweden. *See* Svedmark, E.
 —, Swiss. *See* Billwiller, R.
 —, Württemberg, &c. *See* Schmidt, A.
- East Barry Dock (Glam). *See* Howard, F. T.
 —, Indian Archipelago. *See* Rudolph, E.
 —, London (Cape Colony), Antiquity of Man. *See* McKay, G. R.
- Eastbourne (Sussex). *See* Maddock, H. E.; *see* Pratt, R.
- Eastonia*. *See* Meli, R.
- Eatonia*. *See* Hall, J., &c.
- Eberswalde (Brandenburg) Gravel. *See* Krause, P. G.
- Eccyliomphalus*. *See* —.
- Eccylopteris*. *See* Winchell, N. H., &c.
- Echidnocephalus*. *See* Woodward, A. S.
- Echinanthus*. *See* Cotteau, G., &c.; *see* Koch, A.
- Echinobrissus*. *See* Loriol, P. de.
- Echinoconus*. *See* Cotteau, G., &c.
- Echinocyamus*. *See* Pellat, E., &c.
- Echinocystis*. *See* Gregory, J. W.
- Echinodermata. *See* Hagmann, G.; *see* Loriol, P. de; *see* Mayer-Eymar, C.; *see* Schlüter, C.
 —, Baltic Cretaceous. *See* Schlüter, C.
 —, Bulgarian Tertiary. *See* Bontschev, S. (in Addendum).
 —, Carboniferous. *See* Gregory, J. W.; *see* Julien, A.; *see* Neilson, J.; *see* Törnquist, A.
 —, Chalk. *See* Gregory, J. W.
 —, Ciplly Chalk. *See* Lambert, J.
 —, Cretaceous. *See* Cotteau, G., &c.; *see* Leonhard, R.
 —, Egyptian Eocene. *See* Loriol, P. de.
 —, Italian Neogene. *See* Vinassa de Regny, P. E.
 —, Palaeozoic. *See* Gregory, J. W.

- Echinodermata, Pondicheri Cretaceous. *See* Kossmat, F.
 —, Silurian. *See* Gregory, J. W.
 —, Syrian Cenomanian. *See* Loriol, P. de.
 —, Tertiary. *See* Bell, A.; *see* Bottomicca, L.; *see* Koch, A.; *see* Lahille, F.; *see* Pellat, E., &c.
 —, Triassic. *See* Gregory, J. W.
Echinolampas. *See* Cotteau, G., &c.; *see* Koch, A.; *see* Bontschev, S. (in Addendum).
Echinoneus. *See* Cotteau, G., &c.
Echinopiedina. *See* Cotteau, G., &c.
 Ecos (Eure) Tertiary Deposits. *See* Canu, F.
Edaphodon. *See* Carraroli, A.
 Edentata, Eocene. *See* Marsh, O. C.
 —, French. *See* Gaillard, C.
 Edinburgh Museum of Science & Art, &c. *See* Goodchild, J. G.
 Edingtonite. *See* Lacroix, A.
Edmondia. *See* Brown, H. Y. L., &c.; *see* Julien, A.; *see* Törnquist, A.
 Education & Geology. *See* Beaugrand, C.
 Eggs, Oolitic Fishes'. *See* Jäkel, O.
 Egypt. *See* Hull, E.; *see* Lyons, H. G., &c.; *see* Suess, E.
 —, Eocene Echinoderms. *See* Loriol, P. de.
 —, Nile Delta-Deposits. *See* Judd, J. W.
 Eichstädt (Bavaria) *Acanthoteuthis*. *See* Crick, G. C.
Eichwaldia. *See* Hall, J., &c.
 Eifel Lakes (Rhenish Prussia). *See* Halbfass, —.
Eileticus. *See* Matthew, G. F.
 Eisenkappel (S. Styria). *See* Salomon, W.
 Ekaterinburg (Perm). *See* Clerc, O.; *see* Karpinski, A.
 —, Natural History Society's Museum. *See* Lobanov, D. I.
 Ekaterinoslav (Russia). *See* Gurov, A.
 Ekersund (Norway). *See* Kolderup, C. F.
 Elæolite-Syenite. *See* Berwerth, F.
Elatides. *See* Nathorst, A. G.
 Elba, Granite with Tourmaline. *See* Achardi, G. d'.
 —, Porphyritic Rocks. *See* Matteucci, R. V.
 Elbruz, Mt. (Caucasus). *See* Konchin, A.; *see* Suess, E.
 Elbthalgebirge (Saxony). *See* Petraczek, W.
 Elephant - Remains at Klinge. *See* Nehring, A.
 —, Roman Pliocene. *See* Portis, A.
 Elephants, Danish Glacial. *See* Aagaard, C. E.
 —, Italian Quaternary. *See* Portis, A.
Elephas. *See* Portis, A.; *see* Volz, W.
 —, Remains, Elloughton. *See* Sheppard, T.
 Elevation of Land, Baffin's Land. *See* Watson, T. L.
 —, S.W. Pacific Submarine. *See* Murray, J.
 Elie (Fife). *See* Geikie, J.
Eliomys. *See* Nüesch, J., &c.
 Ellice Group (Pacific Ocean). *See* Langenbeck, R.; *see* Sollas, W. J.
 Elloughton (Yorks). *See* Sheppard, T.
 Elz Valley (Baden). *See* Pfaff, F. W.
Emarginula. *See* Harris, G. F.
 Emerald. *See* Curran, J. M.; *see* Damour, A.
 Emsbett (Hanover). *See* Müller, G.
 Emshäfen-Dortmund Canal (Westphalia) Diluvium. *See* Müller, G.
 Enargite. *See* Spencer, L. J.
Enchytraeus. *See* Wesenberg-Lund, C.
Encope. *See* Cotteau, G., &c.
Encrinurus. *See* Törnquist, S. L.; *see* Winchell, N. H., &c.
Encyonema. *See* Elmore, C. J.
Endodesma. *See* Winchell, N. H., &c.
Endolobus. *See* Smith, J. P.
Endophyllum. *See* Gürich, G.
 Enfield Boring near Adelaide. *See* Howchin, W.
 Engadin (Grisons). *See* Böse, E. *See* Davos.
 England. *See* Atkinson, J. B., &c.
 — & Wales, Geological Survey. *See* Anon., 11; *see* Geikie, Sir A.
 —, Caverns. *See* Martel, E. A.
 —, Coalfields. *See* Hull, E.
 —, Coal-mining. *See* Galloway, R. L.
 —, Distribution of Towns & Villages. *See* Chisholm, G. G.
 —, Earthquakes. *See* Clark, J. E.; *see* Lobley, J. L.; *see* Lomas, J.; *see* Markham, C. A.
 — (E.), Erratic Boulders. *See* Howorth, Sir H. H.
 — (—), Surface Beds. *See* —.
 —, Fauna & Flora Migrations. *See* Scharff, R. F.
 —, Jurassic Wealden. *See* Marcou, J.
 —, Mines, &c. *See* Atkinson, J. B., &c.
 —, Palæozoic Rocks. *See* Törnquist, S. L.
 —, Phosphates. *See* Mercey, N. de.
 —, Pre-Cambrian Rocks. *See* Hicks, H.
 —, Shap Fells Granite-Boulders. *See* Foster-Barham, H. G.
 — (S.), Chalk Zones. *See* Maddock, H. E.
 — (—), Cretaceous Plants. *See* Ward, L. F.
 — (—), — Rocks. *See* Jukes-Browne, A. J., &c.
 —, Wealden. *See* Marsh, O. C.
 — (W.). *See* Geikie, Sir A., &c.
Entomaria. *See* Winchell, N. H., &c.
Entolium. *See* Julien, A.
Entomis. *See* Julien, A.; *see* Krause, A.

- Entomocaris*. See Whitfield, R. P.
 Entomostraca. See Jones, T. R.; see Krause, A.; see Volz, W.
 —, Danish Peat. See Wesenberg-Lund, C.
 —, Jurassic. See Chapman, F.
 —, Literature. See Sherborn, C. D.
 —, Palaeozoic. See Gürlich, G.; see Jones, T. R.; see Matthew, G. F.; see Winchell, N. H., &c.; see Young, J.
 —, Silurian. See Postlethwaite, J.
 —, Spanish Devonian. See Ehlert, D. P.
 Eocene Australasian Mollusca. See Harris, G. F.
 —, Bournemouth. See Gardner, J. S.
 —, Casentino. See Lotti, B.
 —, Echinoderms. See Loriol, P. de.
 —, Eure. See Canu, F.
 —, Fauna, Lissien. See Chantre, E., &c.
 —, Lemurs. See Earl, C.
 —, Mammals. See Koch, A.; see Marsh, O. C.
 —, —, American. See Osborn, H. F.; see Wortman, J. L.
 —, Nomenclature. See Mourlon, M.
 —, Oneda, Milan. See Salmajraghi, F.
 —, Rocks, Victoria (Aust.). See Hall, T. S., &c.
 —, Venetia. See Viuassa de Regny, P. E.
 Eozoon. See Dawson, Sir J. W.
 Epanorthus. See Ameghino, F.
 Epismilia. See Ogilvie, M. M.
 Epistreptophyllum. See —.
 Epsomite. See Achiardi, G. d'.
 Equus. See Bogino, F.
 —, Pleistocene. See Nüesch, J., &c.
 Erethizon-Quills. See Mercer, H. C.
 Eretmocrinus. See Wachsmuth, C., &c.
 Erian Drainage in N. Y. See Gilbert, G. K.
 Eridopora. See Simpson, G. B.
 Erie-Huron Beaches. See Taylor, F. B.
 Erith (Kent). See Monckton, H. W.
 Ernici, Monti (Rome). See Viola, C.
 Erosion, Coast. See Morton, G. H.
 —, Heidelberg Castle. See Futterer, K.
 —, Holderness Coast. See Boyle, J. B.
 —, Lake Water. See Delebecque, A.
 —, Marine. See Stirrup, M.
 —, River & Glacier. See Deeley, R. M.
 —, 'Sheetflood.' See McGee, W. J.
 —, Wind. See Baltzer, A.
 Erpetocypris. See Chapman, F.
 Erratic-Block Minerals, Cimina. See Fantappiè, L.
 —, Blocks, British Isles. See Kendall, P. F.
 —, —, N. Europe. [See Calker, F. J. P. van.
 Eruptions, Submarine. See Rudolph, E.
 Eruptive Rocks. See also Crystalline Rocks; see Igneous Rocks.
 —, —, Fossils in N.S.W. See David, T. W. E.
 —, —, Mexico. See Farrington, O. C.
 —, —, S. Norway. See Kolderup, C. F.
 Erzberg (Carinthia). See Hupfeld, —.
 Erzgebirge Ore-Deposits. See Dalmer, K.
 Escarpments, English. See Lydekker, R.
 Escagnolles (Alpes-Maritimes). See Kilian, W., &c.; see Parona, C. F., &c.
 Eskers, Illinois. See Hershey, O. H.
 —, Sweden. See Geer, G. de.
 Esneux (Liège). See Lohest, M., &c.; see Mourlon, M.
 Essendorf (Württemberg). See Fraas, E.
 Essex, Post-Pliocene Non-Marine Mollusca. See Kennard, A. S., &c.
 Essex Co. (N.Y.). See Merrill, F. J. H., &c.
 Esterel, The (Var). See Michel-Lévy, A.
 Estheria. See Jones, T. R.; see Volz, W.
 Estheriina. See Jones, T. R.
 Esthonia (Russia). See Schmidt, F.
 Etna, 1894. See Rudolph, E.
 Etterbeck (Brabant). See Forir, H., &c.
 Eu, Forest of (Seine Inférieure), Tertiary. See Munier-Chalmas, —.
 Eucalyptocrinus. See Wachsmuth, C., &c.
 Euchrysalis. See Lorenzo, G. de.
 Eucladocrinus. See Wachsmuth, C., &c.
 Euconospira. See Winchell, N. H., &c.
 Eucrinurus. See Beecher, C. E.
 Eucycloscala. See Cossmann, M.
 Eudea. See Zeise, O.
 Eudolops. See Ameghino, F.
 Euganean Hills (Venetia) Basalts. See Dal Piaz, G.
 Eugenia. See Paolucci, L.
 Eugeniocrinus. See Loriol, P. de.
 Euloma. See Frech, F.
 Eumetria. See Hall, J., &c.
 Eunella. See —.
 Eumotia. See Elmore, C. J.
 Euomphalus. See Beyer, E.; see Julien, A.
 Euphemus. See Brown, H. Y. L., &c.
 Euphoberia. See Matthew, G. F.
 Eupithecopis. See Ameghino, F.
 Euprotogonia. See Wortman, J. L.
 Eupsammia. See Ogilvie, M. M.; see Osasco, E.
 Euptycha. See Kossmat, F.
 Eure (Normandy) Eocene. See Canu, F.
 Europe. See Beyrich, E., &c.

- Europe, Ancient Glaciers. *See* Girod, P.; *see* Meunier, S.
- , Chalk Rock Fauna. *See* Woods, H.
- , Cretaceous Plants. *See* Ward, L. F.
- , Fauna, Migrations & Origin. *See* Scharff, R. F.
- , Glacial Deposits. *See* Keilhack, K.; *see* Koken, E.
- , Hippurites-Beds. *See* Toucas, A.
- , Mountains. *See* Holden, E. S.; *see* Suess, E.
- (N.), Erratics. *See* Calker, F. J. P. van.
- (—), Glacial Deposits. *See* Keilhack, K.
- (—), Gravel. *See* Krause, P. G.
- (—), Palæozoic Fauna. *See* Törnquist, S. L.
- , Orography (Experimental). *See* Meunier, S.
- Eurycara*. *See* Frech, F.
- Eurychilina*. *See* Winchell, N. H., &c.
- Eurydictya*. *See* Simpson, G. B.
- Eurymartus*. *See* Matthew, G. F.
- Eurymetopus*. *See* Postlethwaite, J.
- Eurymoticerus*. *See* Canavari, M.
- Eurypterella*. *See* Matthew, G. F.
- Eurypterus*. *See* —.
- Euspatangus*. *See* Koch, A.; *see* Loriol, P. de.
- Euspiopora*. *See* Simpson, G. B.
- Euspiphonella*. *See* Zeise, O.
- Euspirocrinus*. *See* Wachsmuth, C., &c.
- Euthria*. *See* Harris, G. F.
- Eutrachytherus*. *See* Ameghino, F.
- Eutrochocrinus*. *See* Wachsmuth, C.
- Evactinopora*. *See* Simpson, G. B.
- Evolution & Palæontology. *See* Bather, F. A.; *see* Zittel, K. A.
- Évreux (Eure). *See* Dolfus, G. F.
- Exogyra*. *See* Gallinek, E.; *see* Koenen, A. von; *see* Steinmann, G., &c.
- Experiments on Decaying Vegetable Matter under Pressure. *See* Barnes, J., &c.
- Faceted Pebbles, India. *See* Oldham, R. D.
- Fagus*. *See* Paolucci, L.
- Fahrenholz (Brandenburg). *See* Wölfer, T.
- Fairlie (Ayr). *See* Young, J.
- Falloticerus*. *See* Parona, C. F., &c.
- Falmouth (Cornwall), Submerged Forest-Bed near. *See* Roberts, S.
- Famennian, Ourthe Valley. *See* Mourlon, M.
- Farnesina (near Rome). *See* Meli, R.
- Fasciolaria*. *See* Wolff, W.
- Faskin (Lanark), Arctic Plants in Peat in Boulder Clay. *See* Binnie, J.
- 'Fata Morgana.' *See* Delebecque, A.
- Faulting in Glacial Gravel. *See* Gresley, W. S.; *see* Henrich, C.
- Faults. *See* Lake, P.
- Faults, Basses-Pyrénées. *See* Carez, L.
- , Brittany. *See* Barrois, C.
- , Nivernais. *See* Lefort, F.
- , Westphalian Inverse. *See* Forir, H.
- Faunas, Distribution of. *See* Bernard, F.
- Favia*. *See* Koby, F.
- Favicella*. *See* Simpson, G. B.
- Favosites*. *See* Weissmerl, W.
- Feildenia*. *See* Nathorst, A. G.; *see* Newton, E. T., &c.
- Felenne (Namur). *See* Gosselet, J.
- Felis*. *See* Adams, G. I.; *see* Fabrini, E.; *see* Pomel, A.; *see* Portis, A.; *see* Tuccimei, G.
- Felspars, Melting-Point. *See* Cusack, R.
- Felspathic Lavas, Asiatic. *See* McMahon, C. A.
- Tuffs, Méhaigne Valley (Liége). *See* Vallée Poussin, C. de la.
- Fenera, Monte (Piedmont). *See* Resetti, G. E.
- Fenestella*. *See* Julien, A.; *see* Simpson, G. B.
- Fenestellidæ. *See* Cole, G. A. J.
- Fenestralia*. *See* Simpson, G. B.
- Fenestrapora*. *See* —.
- Fergusonite. *See* Delafontaine, M.
- Fernando Noronha Monchiquitic Rocks. *See* Prior, G. T.
- Ferns. *See* Potonié, H.
- Ferrette (Haut-Rhin) Jurassic Massif. *See* Bleicher, —, &c.
- Fibularia*. *See* Loriol, P. de.
- Ficula*. *See* Mayer-Eymar, E.; *see* Wolff, W.
- Ficus*. *See* Paolucci, L.
- Fife Coalfield. *See* Anon., 6.
- Figeac (Lot). *See* Boule, M.
- Finland. *See* Frosterus, B.; *see* Mattsson, G.; *see* Sederholm, J. J.; *see* Zimmermann, E.
- , Ancient Glacial Sea Encroachment. *See* Ramsay, W.
- Concretionary Granite. *See* Papov, B.
- Geological Survey. *See* Möberg, J. C.; *see* Sederholm, J. J.
- , Post-Glacial Deposits. *See* Segercrantz, W.
- , Pre-Cambrian Nomenclature. *See* Sederholm, J. J.
- , Pre-Glacial Striæ. *See* Schiötz, O. E.
- , Recent Origin of Surface-Contour. *See* Howorth, Sir H. H.
- (S.), Archæan Rocks. *See* Wiik, F. J.
- (—), Pre-Quaternary Geology. *See* Sederholm, J. J.
- (—), Shore-lines. *See* Berghell, H.; *see* Wahlroos, A.
- Firedamp, Origin of. *See* Nordenström, G.
- Fish House (N. J.) Pleistocene. *See* Pilsbrv. H. A.

- Fisher Meteorite. *See* Winchell, N. H., &c.
- Fishes, Abden Bone-Bed (Fife). *See* Traquair, R. H.
- , Acanthodidae. *See* Emery, C.
- , Cretaceous. *See* Leonhard, R.; *see* Priem, F.
- , Devonian. *See* Claypole, E. W.; *see* Dean, B.; *see* Eastman, C. R.
- , Eggs, Oolitic. *See* Jækel, O.
- , Fossil. *See* Woodward, H., &c.
- , Iowa Keokuk Limestone. *See* Eastman, C. R.
- , Italian Pliocene. *See* Carraroli, A.
- , Jurassic. *See* Bigot, A.; *see* Galinek, E.; *see* Sauvage, H. E.
- , Life-history of Fossil. *See* Walter, J.
- , Mesozoic. *See* Woodward, A. S.
- , Millstone Grit. *See* Barnes, J., &c.
- , Old Red Sandstone. *See* Flett, J. S.
- , Oolitic. *See* Mansel-Pleydell, J. C.
- , Palæozoic. *See* Claypole, E. W.; *see* Cope, E. D.; *see* Eastman, C. R.; *see* Jækel, O.
- , Siluroid. *See* Vaillant, L.
- , Teeth, Cretaceous. *See* Priem, F.
- , Triassic. *See* Seeley, H. G.; *see* Volz, W.
- , Westphalian Cretaceous. *See* Woodward, A. S.
- Fissurellidea. *See* Harris, G. F.
- Fistulicella. *See* Simpson, G. B.
- Fistulipora. *See* Gürich, G.; *see* Simpson, G. B.
- Fistuliporella. *See* Simpson, G. B.
- Fistuliporida. *See* —.
- Fistuliporina. *See* —.
- Flabellum. *See* Osasco, E.; *see* Simonelli, V.
- Flamborough Head (Yorks). *See* Lamplugh, G. W.
- Flaming, The (Brandenburg), Deep Boring. *See* Keilhack, K.
- Flanders, Quaternary and Tertiaries. *See* Rutot, A.
- Flandrian. *See* Mourlon, M.; *see* Rutot, A.
- Flemingia. *See* Julien, A.
- Flint formed at two Periods. *See* Cayeux, L.
- Implements. *See* Munro, R.; *see* Nüesch, J., &c.
- , Burmese Pliocene. *See* Nœtling, F.
- , Court-Saint-Étienne. *See* Goblet d'Alviella, E.
- , Dorset. *See* Reid, C.
- , Méhaigne Caverns. *See* Fraipont, J., &c.
- , Namur (Belgium). *See* Fraipont, J.
- Flints, Cromer Forest-Bed Worked. *See* Abbott, W. J. L.
- Floating Sand. *See* Simonds, F. W.
- Flora, Miocene, of Independence Hill. *See* Lindgren, W., &c.
- , *See also* Plants.
- Florencia Formation. *See* Hershey, O. H.
- Florida (U.S.A.). *See* Agassiz, A., &c.; *see* Hovey, E. O.
- , Key Dwellers. *See* Cushing, F. H.
- , Miocene Gasteropoda. *See* Pilsbry, H. A.
- Flow of Rocks. *See* Adams, F. D., &c.; *see* Van Hise, C. R., &c.
- Structure, Dyke. *See* Holland, T. H.
- Fluminicola. *See* Bukowski, G. von.
- Fluorspar, U.S.A. *See* Day, D. T., &c.
- Flysch, Calanda. *See* Piperov, C.
- , French Alps. *See* Bertrand, F.
- Fucoids. *See* Rothpletz, A.
- Fœtorius. *See* Koch, A.; *see* Nüesch, J., &c.
- 'Foiba.' *See* Caverns.
- Foix (Ariège). *See* Carez, L.
- Folding, Rock. *See* Dale, T. N.; *see* Haug, E.; *see* Van Hise, C. R.
- Folds, Allauch Massif, &c. *See* Fournier, E.
- Folkestone (Kent). *See* Rowe, A. W., &c.
- (—) Gault. *See* Chapman, F.
- Folliculites. *See* Keilhack, K.
- Folx-les-Caves (Brabant). *See* Priem, F.
- Footprints, Amphibian Devonian. *See* Marsh, O. C.
- , Dinosaur. *See* Mansel-Pleydell, J. C.
- , Permian. *See* Pabst, W.
- , Triassic. *See* Beasley, H. C.; *see* Pabst, W.
- Foraminifera. *See* Cayeux, L.; *see* Jones, T. R., &c.
- , Bracklesham Clay. *See* Chapman, F.
- , Bucks Jurassic. *See* —.
- , Carpathian & Galician Tertiary. *See* Grzybowski, J.
- , Cretaceous. *See* Leonhard, R.
- , Deposits. *See* Walther, J.
- , Folkestone Gault. *See* Chapman, F.
- , German Pleistocene. *See* Madsen, V.
- , Italian Pliocene. *See* Fornasini, C.
- , Javanese Tertiary. *See* Verbeek, R. D. M., & R. Fennema.
- , Marine Clay of Maine. *See* Morton, F. S.
- , Pegwell Bay Thanet Beds. *See* Burrows, H. W., &c.
- , Pondicherri, Cretaceous. *See* Kossmat, F.
- , Pre-Cambrian. *See* Dawson, Sir J. W.
- , St. Erth Pliocene. *See* Millett, F. W.
- FORBES, E. *See* Chambers, T. G.

- Forbesiocrinus*. See Wachsmuth, C., &c.
- Forelands, Cusplate. See Gulliver, F. P.
- Forest-Bed Bibliography, Norfolk. See Harrison, W. J.
- , Maenporth. See Roberts, S.
- near Copenhagen. See Sarauw, G. F. L.
- Formations, Classification of. See Marcou, J.; see Renevier, E.
- Fossano (Piedmont). See Corti, B.
- Fossilization. See Bernard, F.
- , Plant. See Felix, J.
- Fossils in N.S.W. Eruptive Rocks. See David, T. W. E.
- , Origin of the Oldest. See Brooks, W. K.
- , Typical. See Johnstone, A.
- Fossombrone (Marches, Italy). See Bonarelli, G.
- FOSTER, C. LE NEVE. See Atkinson, J. B., &c.; see Chambers, T. G.
- FOULLON-NORBEECK, H. FREIH. VON. See John, C. von.
- Founders of Geology. See Geikie, Sir A.
- Fracture, Rock. See Van Hise, C. R., &c.
- Fragillaria*. See Elmore, C. J.
- France. See Alpes, Armorican Massif, Montagne Noire, Paris Basin, Poitiers, Pyrenees, Rhône, Vosges, &c.
- , See Beyrich, E., &c.
- , Central Plateau. See Boule, M.; see Curie, J.; see Mouret, G.
- , Chalk. See Toucas, A.
- , Cinnabar. See Lacroix, A.
- , Cretaceous Gasteropoda. See Cossmann, M.
- , Extensions of Coalfields. See Bergeron, J.; see Bertrand, M.
- , Geological Survey. See Barrois, C.
- , 1896 Geology. See Carez, L., &c.
- , Lakes. See Delebecque, A.; see Forel, F. A.
- , Mesozoic. See Kilian, W.
- , Minerals. See Lacroix, A.
- (N.), Coalfields, &c. See Hankar, A.
- , Ore-Deposits. See Czyszkowski, S.
- (S.), Tertiaries. See Oppenheim, P.; see Pellat, E., &c.
- (S.E.), Secondary Formations. See Kilian, W.
- (—), Valanginian. See Sayn, G.
- (S.W.). See Blayac, J.; see Bresson, A.; see Fournier, E.; see Glangeaud, P.; see Grossouvre, A. de; see Répelin, J.
- (W.), Cretaceous. See Welsch, J.
- (—), Ordovician. See Ehlert, D. P.
- Franckente. See Stelzner, A.
- Frankfurt am Oder (Prussia). See Lepsius, R.
- Franklin Furnace (N. J.) Minerals. See Penfield, S. L.
- FRANKS, SIR A. W. See Jones, T. R.
- Franz Josef Land. See Nansen, F.; see Newton, E. T., &c.; see Supan, A.
- Fraxinus*. See Paolucci, L.
- French and English Cretaceous Rocks. See Jukes-Brown, A. J., &c.
- Frétigny (Haute-Saône) Caves. See Driston, C.
- Friedericella*. See Wesenberg-Lund, C.
- Friesland (Holland). See Ebert, T.
- Frihavnen (Denmark). See Sarauw, G. F. L.
- Friuli. See Taramelli, T.
- Fruin, Glen (Dumbarton). See Renwick, J.
- Fruscagora (Hungary). See Koch, A.
- Fucoids, Flysch. See Rothpletz, A.
- Fuggerite. See Weinschenk, E.
- Fullers' Earth. See Day, D. T., &c.
- , Dakota. See Ries, H.
- Fulton Co. (N. Y.). See Darton, N. H.
- Fumarole, Auchenharvie Castle. See Smith, J.
- Funafuti Pacific Ocean). See Langenbeck, R.
- (—), Borings. See Slee, W. H. J.; see Sollas, W. J.
- Fünfkirchen (S. Hungary) Coalfield. See Kloos, J. H.
- Fungia*. See Ogilvie, M. M.
- Furka Pass (Switzerland). See Bonney, T. G.
- Furlo, Monti del (Marches, Italy). See Bonarelli, G.
- Fusispira*. See Winchell, N. H., &c.
- Fusulina*. See Verbeek, R. D. M., & R. Fennema.
- Fusus*. See Harris, G. F.; see Martin, K.; see Peron, A.; see Reinhard, C.; see Steinmann, G., &c.; see Wolff, W.
- Gabbros. See Berwerth, F.
- , Banded. See Geikie, Sir A.
- , Gases in. See Tilden, W. A.
- Gaeta, Monti di (Campania). See Cassetti, M.
- Gail Valley (Carinthia). See Geyer, G.
- Galathea*. See Möricke, W.
- Galatina Basin (Apulia). See Franchis, F. de.
- Galaxea*. See Ogilvie, M. M.
- Galena. See Berget, —; see Binns, G. J., &c.; see Lacroix, A.
- 'Galena Series' Nomenclature. See Sardeson, F. W.
- Galicja (Austria-Hungary). See Tietze, E.
- (—), Carpathian Green Conglomerate. See Grzybowski, J.
- (—), Salt. See Windakiewicz, E.
- (—), Tertiary Foraminifera. See Grzybowski, J.
- Galley Hill (Kent) Skull. See Munro, R.
- Gallium. See Hartley, W. N., &c.
- Galston (Ayr), Shell-Beds near. See Smith, J.

- Gangamopteris*. See Seward, A. C.
Ganoidæ. See Emery, C.
 Gap (Hautes-Alpes). See Haug, É.; see Lory, P.; see Ternier, P.
 Gard (Languedoc), Tertiary Fauna. See Pellat, E., &c.
 Garhwal (British), Landslip at Gohna. See Holland, T. H., &c.
 Garnet. See Curran, J. M.
 —, Melting-Point. See Cusack, R.
 Garumnian. See Choffat, P.
 Gas, Californian Natural. See Watts, W. L., &c.
 —, Coal, N.S.W. See Bertrand, C. E.
 Gasaland (E. Africa). See Andrade, A. A. F. de.
 Gascony, Dunes. See Durègne, E.
 — (Gulf of), Deep Sea Deposits. See Thoulet, J.
 Gases enclosed in Rocks, Minerals, &c. See Ramsay, W., &c.; see Tilden, W. A.
 Gasteropoda. See Bouvier, E. L.
 —, Albian. See Parona, C. F., &c.
 —, Bulgarian Tertiary. See Bontschev, S. (in Addendum).
 —, Carboniferous. See Bolton, H.; see Julien, A.
 —, Cretaceous. See Böhm, G.; see Cossmann, M.; see Kœnen, A. von; see Kossmat, F.; see Leonhard, R.; see Peron, A.; see Steinmann, G., &c.
 —, Danish Peat. See Wesenberg-Lund, C.
 —, Devonian. See Beyer, E.; see Øhlert, D. P.
 —, Floridian Miocene. See Pilsbry, H. A.
 —, Hils Conglomerate. See Wolle mann, A.
 —, Italian Pliocene. See Meli, R.
 —, Jurassic. See Cossmann, M.; see Gallinek, E.; see Levi, G.; see Loriol, P. de.
 —, Keisley-Limestone. See Reed, F. R. C.
 —, Levantine. See Bukowski, G. von.
 —, Millstone Grit. See Barnes, J., &c.
 —, Minnesota Silurian. See Winchell, N. H., &c.
 —, Oldest. See Bouvier, E. L., &c.
 —, Oligocene. See Wolff, W.
 —, Palæozoic. See Brown, H. Y. L., &c.; see Frech, F.; see Gürich, G.; see Kayser, E.; see Matthew, G. F.
 —, Pleistocene. See Kennard, A. S., &c.
 —, Sarmatian. See Hilber, V.; see Hoernes, R.
 —, Silurian-Trias. See Burkhardt, C.
 —, Tertiary. See Cossmann, M.; see Harris, G. F.; see Larrazet, M.; see Martin, K.; see Mayer-Eymar, C.; see Reinhard, C.; see Sacco, F.; see Simonelli, E.; see Vinassa de Regny, P. E.
 —, Triassic. See Lorenzo, G. de.
 —, Wealden. See Wolle mann, A.
Gastrana. See Mayer-Eymar, E.
Gastrioceras. See Smith, J. P.
Gastrochena. See Leonhard, R.
 Gault Fauna, Ligurian. See Parona, C. F., &c.
 —, Thiede. See Kloos, J. H.
 —, Foraminifera, Folkestone. See Chapman, F.
 —, Joux Valley. See Schardt, H.
Gauthiericeras. See Steinmann, G., &c.
 Gavorrano (Tuscany). See Marocchi, E.
 Gaylussite. See Pratt, J. H.
Gazella. See Portis, A.
Gebia. See Möricke, W.
 GEIKIE'S (J.) Classification of N. European Glacial Deposits. See Keilhack, K.
 Geki River (N.S.W.). See Kitson, A. E.
 Gemmi Pass (Valais) Avalanche. See Pasquier, L. du.
 Genal-Don Glacier (Caucasus). See Ros-sikov, C.
 Geneva, Lake of (Switzerland). See De-lebecque, A.
 Geneva Beach (N.Y.). See Fairchild, H. L.
 Genève, Mont (Hautes-Alpes). See Kilian, W.
Gemmaocrinus. See Wachsmuth, C., &c.
Genyornis. See Stirling, E. C.
 Geographical Models. See Davies, W. M., &c.
 Geography & Geology. See Keltie, J. S.; see Vallée Poussin, C. de la.
 — of Mammals. See Sclater, W. L.
 Geological Bibliographies. See Margerie, E. de.
 — Chronology. See Renevier, E.
 — Congress. See Congress; see Russia; see Switzerland.
 — Museum, Lausanne. See Renevier, E.
 — Photographs. See Cole, G. A. J.; see Watts, W. W.
 — Progress in Belgium. See Mourlon, M.
 — Research, Sixty Years of. See Cole, G. A. J.
 — Signs. See Guébbard, A.
 — Society's Papers, 1845-94. See Belinfante, L. L.
 — Survey, Austria. See Stache, G.
 —, Canada. See Dawson, G. M.; see Klittke, M.
 —, Finland. See Möberg, J. C.; see Sederholm, J. J.
 —, Great Britain. See Anon, 11; see Geikie, Sir A.
 —, Hungary. See Böckh, J.; see Treitz, P.
 —, India. See Oldham, R. D.
 —, Italy. See Capellini, G.
 —, New York. See Hall, J., &c.
 —, Russia. See Karpinski, A.
 —, Scotland. See Goodchild, J. G.
 —, Switzerland. See Æppli, A.
 —, United States. See Emmons, S. F.; see Walcott, C. D.

- Geological Surveying. *See* Blaas, J.; *see* Campbell, M. R.; *see* Kahle, P.; *see* Schroder van der Kolk, J. L. C.; *see* Smyth, H. L.
- Time. *See* Clappole, E. W.; *see* Renevier, E.
- Geology. *See* Scott, W. B.
- , American, &c. *See* Dana, J. D.
- & Education. *See* Beaugrand, C.
- & Geography. *See* Keltie, J. S.
- & Mining. *See* Pošepny, F.
- & Topography. *See* Branner, J. C.
- & Travellers. *See* Meunier, S.
- , Founders of. *See* Geikie, Sir A.
- , French, 1896. *See* Carez, L., &c.
- , History of, in Württemberg. *See* Fraas, E.
- in Gt. Britain, 1896. *See* Griffin, C., &c.
- , Mining. *See* Cruz, E.
- , Progress of the Century. *See* Williams, H. S.
- Geo-phytology. *See* Plants.
- Gephyroceras*. *See* Frech, F.
- Gèr (S. France). *See* Stuart-Menteath, P. W.
- Geracus*. *See* Matthew, G. F.
- Gerasaphes*. *See* Winchell, N. H., &c.
- Gerephemera*. *See* Matthew, G. F.
- Germany. *See* Lepsius, R.
- , Lower Cretaceous. *See* Kœnen, A. von.
- , Pleistocene Foraminifera. *See* Madsen, V.
- (N.), Cretaceous Belemnites. *See* Stolley, E.
- (—) Drumlins. *See* Keilhack, K.
- (—) Gravel. *See* Krause, P. G.
- (—) Jurassic. *See* Bode, G.
- Geroneura*. *See* Matthew, G. F.
- Gersbyite. *See* Gaubert, P.; *see* Igelström, L. J.
- Gervillia*. *See* Wollemani, A.
- GËSNER, ABRAHAM. *See* Matthew, G. F.
- Geysers, North Island (N.Z.). *See* Cadell, H. M.
- Giessen (U. Hesse), Iron Ore near. *See* Beyschlag, F.
- Giglio Island (Tuscany). *See* Meli, R.
- Gilbertocrinus*. *See* Wachsmuth, C., &c.
- Ginkgo*. *See* Rordam, K., &c.; *see* Newton, E. T., &c.
- GIROUX, N. J. *See* Elles, R. W.
- Girvanella*. *See* Dawson, Sir J. W.
- Gisborne (N.Z.). *See* Hill, H.
- Glabella*. *See* Harris, G. F.
- Glacial Bibliography, Norfolk. *See* Harrison, W. J.
- Blocks with Jurassic Plants, Denmark. *See* Rordam, K., &c.
- Boulders, Lincolnshire. *See* Shepard, T.
- Denudation. *See* Meunier, S.
- Deposits. *See* Bell, D.; *see* Salisbury, R. D.
- , Argyllshire. *See* Bell, D., &c.
- Glacial Deposits, Bern. *See* Baltzer, A.
- , British Columbia. *See* Lamplugh, G. W.
- , Canada. *See* Coleman, A. P.; *see* Dawson, G. M.
- , Classification. *See* Keilhack, K.
- , Clava. *See* Renwick, J.
- , Denmark. *See* Jessen, A.; *see* Madsen, W.; *see* Rordam, K., &c.; *see* Sarauw, G. F. L.; *see* Ussing, N. V.
- , Dumbarton. *See* Renwick, J.
- , Europe. *See* Koken, E.
- , Grodno. *See* Kristtafovich, N.
- , Illinois. *See* Hershey, O. H.
- , Lancashire. *See* Owen, W.
- , Newbury. *See* Richards, E. P.
- , N.Y. State. *See* Brigham, A. P.; *see* Fairchild, H. Le F.
- , N. European. *See* Keilhack, K.
- , N. German. *See* Krause, P. G.
- , N. Welsh. *See* Reade, T. M.
- , Prussian. *See* Jentzsch, A.
- , Scandinavian & Schleswig. *See* Aagaard, C. E.
- , Schaffhausen. *See* Nüesch, J., &c.
- , Scotland. *See* Bell, D.
- , Sweden. *See* Geer, G. de.
- , U.S.A. *See* Upham, W.
- & Waters, Arctic Norway. *See* Dickson, E., &c.
- , Westmoreland. *See* Dakyns, J. R., &c.
- , Yorkshire. *See* Lamplugh, G. W.
- Epoch. *See* Hull, E.
- Faunal Migrations. *See* Scharff, R. F.
- Flora, Öland. *See* Hemmendorff, E.
- Freshwater Deposits with Plant-remains. *See* Munthe, H.
- Geology. *See* Reade, T. M.
- , Robin Hood's Bay. *See* Muff, H., &c.
- Gravel Faulting. *See* Gresley, W. S.; *see* Henrich, C.
- Ice Plasticity. *See* Russell, I. C.
- Mammalia, N. European. *See* Aagaard, C. E.
- Oscillation. *See* Taylor, F. B.
- Periods. *See* Péroche, J.; *see* Scharff, R. F.
- , Rhenish Prussia. *See* Voigt, W.
- Phenomena, Midland & W. Midland Counties. *See* Woodward, H. B.
- Glaciation, Aare Valley (Switzerland). *See* Zollinger, E.
- , Australia. *See* Hobson, B.
- , Bavarian. *See* Thürach, H.
- by Arctic Sea Ice. *See* Tarr R. S.

- Glaciation, Central Australia. *See* Tate, R.
- , Europe. *See* Keilhack, K.
- , Finland. *See* Schiötz, O. E.
- , Greenland. *See* Chamberlin, T. C.
- , —, Labrador, &c. *See* Barton, G.
- , Illinois. *See* Hershey, O. H.
- , Inman Valley. *See* David, T. W. E., &c.
- , Jemtland. *See* Högbom, A. G.
- , Kansas. *See* Swem, E. G.
- , Labrador, &c. *See* Tarr, R. S.
- , N.Y. State. *See* Taylor, B. F.
- , N. America. *See* Crosby, W. O.; *see* Upham, W.
- , N.W. England. *See* Foster-Barham, H. G.
- , Norway. *See* Hull, E.; *see* Öyen, P. A.; *see* Upton, C.
- , of Rocks. *See* Meunier, S.
- , Russia. *See* Krishtafovich, N.
- , Styria. *See* Doll, E.
- , Sunderland. *See* Kendall, P. F.
- , Sweden. *See* Andersson, G.
- , Vale of Clwyd. *See* Lomas, J., &c.
- , Varanger Fiord. *See* Strahan, A.
- Glacier-Action like Phenomena. *See* Meunier, S.
- , Bay (Alaska). *See* Cushing, H. P.; *see* Reid, H. F.
- , Erosion. *See* Deeley, R. M.
- , Great Baltic. *See* Geikie, J.
- , Kvikkjokk Mts. *See* Hamberg, A.
- , Ridges. *See* Sieger, R.
- Glaciers. *See* Forel, F. A.; *see* Lapparent, A. de.
- , Alaska. *See* Reid, H. F.
- , Alpine. *See* Kendall, P. F.
- , Canterbury (N.Z.). *See* Brodrick, T. N.
- , Caucasus. *See* Karakash, N.; *see* Rossikov, C.
- , European Ancient. *See* Girod, P.
- , Extension of Ancient European. *See* Meunier, S.
- , Firth of Clyde. *See* Anderson, J.
- , Flow of. *See* Upham, W.
- , Greenland. *See* Barton, G. H.; *see* Tarr, R. S.
- , Mechanics of. *See* Reid, H. F.
- , N. American. *See* Russell, I. C.
- , Swiss. *See* Pawson, A. H.
- , Variation. *See* Forel, F. A., &c.; *see* Rabot, C.; *see* Reid, H. F.
- Glacio-Marine Drift, Vale of Clwyd. *See* Reade, T. M.
- Glaciology, Norfolk. *See* Harrison, W. J.
- Glamorganshire. *See* Strahan, A., &c.
- (S.) Coalfield. *See* Howard, F. T.
- Glandina. *See* Wolff, W.
- Glandulina. *See* Fornasini, C.
- Glärnisch Alps (Glarus). *See* Rothpletz, A.
- Glasdrumman Port (Co. Dublin). *See* Cole, G. A. J.
- Glasgow (Lanark). *See* Neilson, J.
- 'Glass-balls,' Billiton Island. *See* Verbeek, R. D. M.
- Glassia. *See* Hall, J., &c.
- Glauconia. *See* Peron, A.
- Glauconitic Deposit, Veronese. *See* Gumbel, C. W. von.
- Rocks. *See* Cayeux, L.
- Glauconome. *See* Julien, A.; *see* Simpson, G. B.
- Gleichenberg (Styria). *See* Clar, K.
- Gleichenia. *See* Nathorst, A. G.
- Globe, Mean Radial Variation. *See* Lobley, J. L.
- Globiconcha. *See* Peron, A.
- Globigerina. *See* Burrows, H. W., &c.; *see* Chapman, F.
- Globilemur. *See* Forsyth-Major, C. I.
- Glossopteris. *See* Dun, W. S.; *see* Oldham, R. D.; *see* Seward, A. C.
- Glossotrypa. *See* Simpson, G. B.
- Gloucestershire. *See* Geikie, Sir A., &c.
- Glyptatelus. *See* Ameghino, F.
- Glyptocrinus. *See* Wachsmuth, C., &c.
- Glyptograptus. *See* Perner, J.
- Glyptostrobus. *See* Paolucci, L.
- Gneisses, Anglesey. *See* Callaway, C.
- , —, Sillimanite. *See* Greenly, E.
- , Archaean Crystalline. *See* Lomas, J.
- , Banded. *See* Geikie, Sir A.
- , Canadian. *See* Adams, F. D., &c.
- , French Alps. *See* Bertrand, M.
- , Gases in. *See* Tilden, W. A.
- , Weathering. *See* Merrill, G. P.; *see* Reade, T. M.
- Gneissose Granite, Himalayas. *See* McMahon, C. A.
- Goat, Swiss Fossil Wild. *See* Studer, T.
- Gogebic Iron Range (Mich.), Dykes. *See* Boss, C. M.
- Gold, Alabama. *See* McCalley, H., &c.; *see* Phillips, W. B.
- , Ardennes. *See* Dewalque, G.
- , British Guiana, &c. *See* Granger, H. G.; *see* Hargreaves, T. S., &c.
- , California. *See* Crawford, J. J.; *see* Knochenhauer, B.
- , Canada. *See* Anon., 4, 46; *see* Hoffmann, G. C.
- , Chile. *See* Pöhlmann, R.
- , Colorado. *See* Emmons, S. F.; *see* Lakes, A.; *see* Porter, J. A.; *see* Rickard, T. A.; *see* Sadtler, B.; *see* Skewes, E.
- , Crystalline Structure. *See* Liversidge, A.
- , Deposits, E. Siberia. *See* Levat, E. D.
- , —, Russia. *See* Jaworowski, P.
- , —, Tauern Mts. *See* Krusch, P.
- , Hungary. *See* Gesell, A.
- , in Granite and Plutonic Rocks. *See* Blake, W. P.
- , in Saline Deposits and Marine Plants. *See* Liversidge, A.
- , in Sea Water. *See* Don, J. R.
- , Kotchkar. *See* Wyssotski, N.
- , La Caunette. *See* Bernard, M.
- , Mining. *See* Johnson, J. C. F.
- , —, Burmese. *See* Bromly, A. H.
- , New Mexico. *See* Herrick, C. L.

- Gold, New South Wales. *See* Carne, J. E.; *see* Coghlan, T. A.; *see* Munro, D. W.
- , New Zealand. *See* Thornley, E. M.
- , Nova Scotia. *See* Gilpin, E., Jun.
- , Ore Deposits 'Indicators.' *See* Bradford, W.; *see* Lidgley, E.
- , Origin. *See* Möricke, W.
- , — of Vein. *See* Don, J. R.
- , Prussian-Silesia. *See* Rosenberg-Lipinsky, — von.
- , Queensland. *See* Fryar, W.; *see* Jack, R. L.; *see* Rands, W. H.
- , Rainy River District. *See* Merritt, W. H.
- , Rhodesia (S.A.). *See* Halder, A. H.
- , Russian. *See* Krusch, P.
- , Salzburg. *See* Bayschlag, —.
- , Siberia. *See* Sabachnikov, T., &c.
- , Tasmania. *See* Jolly, L.; *see* Thornley, E. M.
- , Transvaal. *See* Gibson, W.; *see* Shepherd, P. G.; *see* Wendeborn, A.
- , Ural. *See* Jeremejev, P. W.
- , W. Australia. *See* Reed, F.
- , Yukon District. *See* Anon., 4, 46.
- Golden Gate Series (Cal.). *See* Fairbanks, H. W.
- Goldenstein (Moravia). *See* Kretschmer, F.
- Goldfield, Bendigo. *See* Dunn, E. J.
- , Pikedale. *See* Maitland, A. G.
- Goldfields, New South Wales. *See* Carne, J. E.; *see* Jaquet, J. B.
- , New Zealand. *See* Campbell, J.; *see* Park, J.; *see* Wachope, J. A.
- , Queensland. *See* Jack, R. L.; *see* Rands, W. H.
- , S. Africa. *See* Bordeaux, A.
- , S. Australia. *See* Brown, H. Y. L., &c.
- , Transvaal. *See* Transvaal.
- , W. Australia. *See* Holyroyd, A. G.; *see* Reed, F.; *see* Supan, A.; *see* Woodward, H. P.
- Golspie (Sutherland). *See* Woodward, H. B., &c.
- Gomphoceras*. *See* Gürich, G.
- Gomphonema*. *See* Elmore, C. J.
- Gondwana Deposits, Argentina. *See* Bodenbender, W.
- Goniastræa*. *See* Ogilvie, M. M.
- Goniatites*. *See* Barnes, J., &c.; *see* Crick, G. E.; *see* Haug, É.; *see* Smith, J. P.
- Gonioceras*. *See* Winchell, N. H., &c.
- Goniomya*. *See* Lorioi, P. de.
- Gonnardite. *See* Lacroix, A.
- Gorгона*. *See* Newton, E. T., &c.
- Görlitz (Silesia) Railway. *See* Wahnschaffe, F.
- Goroblagodat (Urals). *See* Tchernyshev, T.
- (—), Diamonds in Platinum. *See* Jeremejev, P. W.
- Görz (Styria). *See* Hørnes, R.
- Gosavia*. *See* Kossmat, F.
- Gosseletia*. *See* Frech, F.; *see* Hicks, H., &c.
- Gothograptus*. *See* Frech, F.
- Götland (Sweden). *See* Törnquist, S. L.
- Gottersäter Peat Moor (Sweden). *See* Kjellmark, K.
- Gotthard Massif (Switzerland). *See* Baltzer, A.
- Gourdon (Lot). *See* Fournier, E.
- Grain of Igneous Rocks. *See* Lane, A. C.
- Grammysia*. *See* Frech, F.; *see* Hicks, H., &c.
- Grana Valley (Piedmont). *See* Franchi, S.
- Granite, Arran. *See* Smith, J.
- , Bordères. *See* Stuart-Menteath, P. W.
- , Bosses, S.W. Austria & Italy. *See* Salomon, W.
- , Boulders, Co. Dublin. *See* Close, M.
- , —, Shap Fells. *See* Foster-Barham, H. G.
- , Carnic Alps. *See* Salomon, W.
- , Contact, Pyrenees. *See* Roussel, J.
- , Finland Concretionary. *See* Papov, B.
- , Gases in. *See* Tilden, W. A.
- , Gavorrano. *See* Marocchi, E.
- , Giglio Island (Tuscany) Tourmaline. *See* Meli, R.
- , Gold in. *See* Blake, W. P.
- , Koochiching. *See* Winchell, A. N.
- , La Helle. *See* Dewalque, G.
- , Meall Breac. *See* Bell, D.
- , Pyrenees. *See* Caralp, —.
- , with Tourmaline. *See* Achiardi, G. d'; *see* Meli, R.
- Granitic Porphyry, Leipzig. *See* Reinisch, R.
- Granularia*. *See* Rothpletz, A.
- Graphite. *See* Fromme, J.; *see* Weinschenk, E.
- , Archæan. *See* Callaway, C.
- , Bavaria. *See* Weinschenk, E.
- , Deposits, Kallwang. *See* Canaval, R.
- , —, N. Moravia. *See* Kretschmer, F.
- , U.S.A. *See* Brewster, W. M.; *see* Day, D. T.
- Graphitoid Mineral, Elz Valley. *See* Piaff, F. W.
- Graptolite Beds, Nassau. *See* Denckmann, A.
- , Faunas, Sweden. *See* Törnquist, S. L.
- Graptolites. *See* Denckmann, A.; *see* Elles, G. L.; *see* Frech, F.; *see* Gürich, G.; *see* Hall, T. S.; *see* Malaise, C.; *see* Pernier, J.; *see* Postlethwaite, J.; *see* Walther, J.; *see* Wiman, C.
- , Life-history. *See* Walther, J.
- , Lower Helderberg. *See* Girty, G. H.

- Graptolites, Mode of Growth. See Ruedemann, R.
 —. Silurian. See Girty, G. H.; see Kayser, E.; see Ruedemann, R.
 —. Victoria (Aust.). See Hall, T. S.
 Gratz (Styria). See Hilber, V.
 Gravel, Eberswalde. See Krause, P. G.
 —. (Plateau) near Philadelphia. See Bascom, F.
 —. Ridges, Sweden. See Geer, G. de.
 Gravels, Croydon. See Hinde, G. J.
 —, Dorset. See Mansel-Pleydell, J. C.
 —, Newbury. See Richards, E. P.
 —, Origin of. See Stanley, S. S.
 —, Sierra Nevada (Cal.) Auriferous. See Lindgren, W.
 —, Upper Thames. See White, H. J. O.
 Gravity. See Emmons, S. H.
 —. Observations. See Aimonetti, C.; see Orff, K. von; see Schmidt, A.
 —, Separation of Minerals of High Specific. See Penfield, S. L.
 Grays (Essex) Pleistocene Plants. See Reid, C.
 Great Auk Bones, Co. Waterford. See Ussher, R. J.
 Great Britain. See Atkinson, J. B., &c.
 —, Ancient Volcanoes. See Geikie, Sir A.
 — & Ireland, Geological Survey. See Anon., 11; see Geikie, Sir A.
 —, Coalfields. See Hull, E.
 —, Coal-mining in. See Galloway, R. L.
 —, Fauna & Flora Migrations. See Scharff, R. F.
 —, Geology in 1896. See Griffin, C., &c.
 —, Mines. See Atkinson, J. B., &c.
 Great Namaqualand (S. Africa). See John, C. von.
 Great Plains, Canadian. See Dawson, G. M.
 'Great Submergence.' See Bell, D.
 Greece. See Lacroix, A.
 —, Earthquakes. See Gerland, G.; see Papavasiliou, S. A.
 'Green Earth,' Monte Baldo. See Gumbel, C. W. von, &c.
 Green Mts. (Vt.). See Dale, T. N.
 Green River (Utah), Origin of. See Emmons, S. F.
 Greenland (E.). See Hartz, N., &c.
 — (—), Tertiary Fauna. See Nathorst, A. G.
 —, Glaciation. See Barton, G. H.; see Chamberlin, T. C.
 —. Glaciers. See Russell, I. C.; see Tarr, R. S.
 Greensand (Upper) Fauna. See Jukes-Browne, A. J.
 Grenada (W. I.). See Harrison, J. B.
 Grenoble (Isère). See Kilian, W.
 Grenville-Hastings Series, Canada. See Adams, F. D., &c.; see Ells, R. W.
 Gresslya. See Loriol, P. de.
 Griesbachites. See Mojsisovics, E. von.
 Griffithides. See Julien, A.; see Smith, J. P.
 Grisons (Switzerland). See Piperov, C.
 Grive-Saint-Alban (Isère). See Gaillard, C.; see Shufeldt, R. W.
 Grodno (Russia). See Krishtafovich, N.
 Grosny (Caucasus). See Konchin, A.
 Gross-Meseritsch (Moravia). See Suess, F. E.
 Grosseto (Piedmont), Pontian near. See Novarese, V.
 Grottau (Bohemia) Brown Coal. See Ries H.
 'Grotte des Fées' (Yonne), Jaw. See Munro, R.
 Gruenevaldia. See Hall, J., &c.
 Grünlingite. See Muthmann, W., &c.
 Gryphaea. See Koch, A.; see Könen, A. von.
 Gualteria. See Koch, A.
 Guanaco (Chile) Gold. See Pöhlmann, R.
 Guareña (Badajoz) Meteorite. See Cohen, E.
 Guatemala (Central America). See Sapper, K.
 Guajarite. See Penfield, S. L., &c.
 Guernsey Quarries. See Greenwell, G. C.
 Guglielmo, Monte (Lombardy). See Vigo, G.
 Guianas (S. Am.), Gold of the. See Granger, H. G.
 Gulo. See Nüesch, J., &c.; see Regàlia, E.
 Gumbelite. See Kraatz, K. von.
 Gumbelites. See Mojsisovics, E. von.
 Gunniston Gold Belt (Colo.). See Lakes, A.
 Gutenstein Limestone (Lower Austria). See Bittner, A.
 Gypidula. See Hall, J., &c.
 Gypsum. See Kraatz, K. von; see Viola, C.
 —. Astrakhan. See Doss, B.
 —. Deposits (Seine-et-Oise). See Martel, E. A., &c.
 —, Kansas. See Bailey, E. H. S., &c.; see Grimsley, G. P.
 —, U.S.A. See Day, D. T., &c.
 Gyroceras. See Fresh, F.
 Gyronema. See Winchell, N. H., &c.
 Hachettite. See Holmquist, P. J.
 Hadrocrinus. See Wachsmuth, C., &c.
 Hagengebirge (Salzkammergut). See Krafft, A. von.
 Haina (Prussia). See Beyer, E.
 Hainaut (Belgium) Earthquakes. See Munck, E. de.
 Halbe (Brandenburg). See Wahnschaffe, F.
 Halichondrites. See Dawson, Sir J. W.
 Halliella. See Winchell, N. H., &c.
 Hallina. See Hall, J., &c.
 Hallopus. See Marsh, O. C.
 Halmagy (Hungary). See Pethő, J.
 Halmahera Island (Moluccas). See Wichmann, A.

- Halobia*. See Lorenzo, G. de.
Halorites. See Mojsisovics, E. von.
 Hamilton (Ont.). See Grant, C. C.; see Walker, A. E.
Hamites. See Leonhard, R.; see Parona, C. F., &c.
 Hamlinite. See Penfield, S. L.
 Hampshire. See Geikie, Sir A., &c.
 — Clays & Mudlands. See Shore, T. W.
 Hamstead Colliery (Staffs). See Meachem, F. G.
 Hanksite. See Pratt, J. H.
 Hanover, Asphalt. See Hoffmann, F. A.
 —, Devonian. See Beushausen, L., &c.
Hantzschia. See Elmore, C. J.
Haplocrinus. See Bather, F. A.
Haplaræa. See Ogilvie, M. M.
Haplocalamus. See Solms-Laubach, Count H.
Haploceras. See Loriol, P. de; see Steiner, A.
Haplocrinus. See Wachsmuth, C., &c.
 Hardness of Minerals & Rocks. See Jaggard, T. A.; see Rosiwal, A.
 Harmersbach (Baden). See Thürach, H.
 Harmotome. See Lacroix, A.
Harpa. See Harris, G. F.
Harpes. See Beecher, C. E.; see Fournier, G.; see Frech, F.; see Malaise, C.; see Winchell, N. H., &c.
Harpina. See Winchell, N. H., &c.
Harpoceras. See Loriol, P. de; see Nœtling, F.; see Resetti, G. E.; see Steuer, A.
 Hartenberg (Harz). See Koch, M.
 HARTT, C. F. See Simonds, F. W.
Harttina. See Hall, J., &c.
 Hartwell (Bucks) Clay. See Davies, A. M., &c.
 — (—) Foraminifera & Ostracoda. See Chapman, F.
 Harvard Coll. Museum. See Agassiz, A.
 Harz (Germany). See Beushausen, L.; see Ebert, T.; see Koch, M.; see Rinne, F.
 Haskovo (Bulgaria). See Bontschev, S. (in Addendum).
 Hastings (Ont.) Region. See Van Hise, C. R., &c.
 — (—) Series. See Adams, F. D., &c.
 — (Susssex), Primeval Refuse Heaps. See Abbott, W. J. J.
Haverites. See Mojsisovics, E. von.
 HAUGHTON, S. See Anon., 38.
 Hauksite. See Schulten, A. de.
 Hauraki (N.Z.) Goldfields. See Cadell, H. M.; see Campbell, J.; see Park, J.; see Wauchope, J. A.
 Haut-Ittre (Belgium) Clay Fossils. See Mourlon, M.
 Hautes-Pyrénées (France). See Stuart-Mentelath, P. W.
 Havant (Hants). See Thomson, T., &c.
 Havre, Le (Seine-Inférieure). See Törnquist, A.
 Hawaii (Pacific). See Rudolph, E.
 — (—), Pendulum Observations. See Preston, E. D.
 — (—), Volcanoes. See Guppy, H. B.; see Rudolph, E.
 Haweswater (Westmoreland). See Dakyns, J. R., &c.
 HAY, R. See Hill, R. T.
 Hazara (Himalayas). See McMahon, C. A.; see Middlemiss, C. S.
 HEDDLE, M. F. See Anon., 40.
Hederella. See Simpson, G. B.
 Heidelberg (Baden), Concretions in Triassic Limestone near. See Kehler, F. A.
 — Castle, Wind Erosion. See Futterer, K.
 Heilbronn (Württemberg) Salt. See Lichtenberger, —.
 Heiningen (Württemberg). See Jäkel, O.
Helcionopsis. See Winchell, N. H., &c., Helderberg Fauna, N.Y. See Girty, G. H.
 — Limestone Brachiopoda. See Whitfield, R. P.
Heliastrea. See Ogilvie, M. M.; see Osasco, E.; see Koby, F.
 Helices, Miocene. See Pilsbry, H. A.
Helicoceras. See Parona, C. F., &c.
Helicopora. See Simpson, G. B.
Helicotoma. See Winchell, N. H., &c.
Helicites. See Mojsisovics, E. von.
Helikodiadema. See Gregory, J. W.
Heliocænia. See Ogilvie, M. M.
Heliophyllum. See Gürich, G.
Helicæ. See Vinassa de Regny, P. E.; see Wolff, W.
 Helle, La (Liège). See Dewalque, G.
Helopora. See Simpson, G. B.
Hemiacirsa. See Levi, G.
Hemiaster. See Cotteau, G., &c.; see Kossmat, F.; see Loriol, P. de; see Schlüter, C.
Hemicidaris. See Koch, A.; see Loriol, P. de.
Hemiphragma. See Simpson, G. B.
Hemitrypa. See Cole, G. A. J.; see Simpson, G. B.
 Hem-Monacu (Somme). See Gosselet, J.
 — (—), Cretaceous Corals. See Parent, H.
 — (—), Quaternary Mammals. See Boule, M.
Heptastylis. See Ogilvie, M. M.
 Heraclea (Asia Minor). See Ralli, G.
Heracrites. See Mojsisovics, E. von.
 Herkimer Co. (N.Y.). See Darton, N. H.
Hernodia. See Simpson, G. B.
 Herve (Belgium). See Cayeux, L.
 Hervian. See Ubaghs, C.
Hesperidophyllum. See Paolucci, L.
Hesperornis. See Marsh, O. C.
 Hesse (Germany). See Chelius, C.; see Denckmann, A.; see Klemm, G.; see Kraatz-Koschla, K. von; see Lepsius, R.
 Hessele (Yorks) Gravels. See Walton, F. F.

- Heterocrinus*. See Wachsmuth, C., &c.
Heteroproniadae. See Törnquist, S. L.
Heterotrypa. See Gürich, G.; see Simpson, G. B.
 Heulandite. See Habert, P. C.; see Lovisato, D.
Hevacrinus. See Beyer, E.; see Wachsmuth, C., &c.
Hexagonaria. See Gürich, G.
 Hierapolis (Asia Minor). See Joanne, E.
Hierogramma. See Solms-Laubach, Count H.
 High-level Gravels, Upper Thames. See White, H. J. O.
 — Shelly Deposits. See Bell, D.
 High Molmont (Ayr). See Smith, J.
 Highwood Mountains (Montana). See Johnston-Lavis, H. J.
 Hill Slopes, Stability. See Holland, T. H.
 Hills, The (Brunswick). See Kloos, J. H.
 — Conglomerate Fauna, Brunswick. See Wollemani, A.
 Himalayas. See Suess, E.
 —, Gneissose Granite. See McMahon, C. A.; see Middlemiss, C. S.
 — Triassic Cephalopoda. See Mojsisovics, E. von.
Hindella. See Hall, J., &c.
Hindia. See Girty, G. H.
 Hindsholm (Denmark). See Ussing, N. V., &c.
Hindsia. See Martin, K.
 Hinges, Lamellibranchiata. See Douvillé, H.; see Bernard, F.
Hippagus. See Kossmat, F.
Hippopotamus, Algerian Fossil. See Pomel, A.
 —, Canada. See Deeks, W. E.
Hippurites. See Böhm, G.
 —, Chalk, Aude. See Toucas, A.
 —, European. See —.
Hircinia. See Rothpletz, A.
 Hitchin (Herts). See Chapman, F.
 — (—), Palaeolithic Deposits. See Reid, C.
 Hochwald (Rhenish Prussia). See Leppla, A.
 Hohenzollern, Earthquakes. See Schmidt, A.
Holaster. See Loriol, P. de.
Holcostephanus. See Canavari, M.; see Steuer, A.
 Holderness Coast (Yorks). See Boyle, J. B.
Holectypus. See Loriol, P. de.
 Holland, Pseudogaylussite in. See Calker, F. J. P. van.
 —, Silurian Drift Ostracoda. See Krause, A.
 —, West-Gaste Deep Boring. See Ebert, T.
Holopea. See Winchell, N. H., &c.
Holoptychius. See Cope, E. D.
Homalonotus. See Hicks, H., &c.; see Kayser, E.; see Törnquist, S. L.
Homæospira. See Hall, J., &c.
Homo, Pleistocene. See Nüesch, J., &c.; see Man.
Homomya. See Fucini, A.; see Loriol, P. de.
Homothetus. See Matthew, G. F.
Homotrypa. See Simpson, G. B.
Homotrypella. See —.
 Hongay-Hatou Coalfield (Tongking). See Brard, F.
 Hönningen (Rhenish Prussia) Boring. See Heusler, —.
 Hoogstraeten (Antwerp), Borings near. See Mourlon, M.
Hoplites. See Parona, C. F., &c.; see Peron, A.; see Sarasin, C.; see Steinmann, G., &c.; see Steuer, A.
Hoplites-zone, Algeria. See Leenhardt, F.
Hoplophoneus. See Riggs, E. S.
Hormotoma. See Winchell, N. H., &c.
 'Hornblende - Gneiss,' Moravian so-called. See John, C. von.
 — Picrite. See Raisin, C. A.
 — Schist, Loch Tay. See Macnair, P. Horse, American Eocene. See Wortman, J. L.
 —, Pleistocene, Schaffhausen. See Nüesch, J., &c.
 'Horsebacks' Kansas Coal Measures. See Crane, W. R.
Hostinella. See Rothpletz, A.
 Hoxne (Suffolk), Palaeolithic Man. See Reid, C.
 Huanchaco (Bolivia) Minerals. See Penfield, S. L., &c.
 Hudson Bay (Canada). See Bell, R.; see Scoble, T. C.
 Hudson River Group. See Sardeson, F. W.
Huestedia. See Hall, J., &c.
 Hullite. See Cole, G. A. J.
Hungarites. See Hauer, F. von; see Mojsisovics, E. von.
 Hungary. See Adda, K. von; see Böckh, J.; see Gesell, A.; see Halaváts, J.; see Inkey, B. von; see Kalacsinszky, A. von; see Koch, A.; see Pethö, J.; see Posewitz, T.; see Schafarzik, F.; see Staub, M., &c.; see Szontagh, T. von; see Treitz, P.
 —, Budapest Mining Exhibition, 1896. See Böckh, J.; see Lamprecht, R.; see Schmidt, A.; see Staub, M.
 — Coals & Clays. See Kalacsinszky, A. von.
 — Diluvial & Quaternary Mammalia. See Koch, A.
 — Geological Survey. See Böckh, J.; see Treitz, P.
 — Gold. See Gesell, A.
 —, History of Geology in. See Böckh, J.
 —, Liassic Plants. See Staub, M.
 —, Petroleum. See Telegd, L. R.
 —, Soils, &c. See Inkey, B. von; see Halaváts, J.
 — Upper, Copper Ores. See Steinhauz, J.

- Hunrück (Rhenish Prussia) Manganese Deposits. *See* Buchrücker, A.
- HUNT, R. *See* Chambers, T. G.
- HUNTER, R. *See* Woodward, H.
- Huronian Fauna, Iron Mt. (Mich.). *See* Gresley, W. S.
- Region. *See* Van Hise, C. R., &c.
- HUXLEY, T. *See* Gill, T.; *see* Chambers, T. G.
- Hyæna*. *See* Pomel, A.
- Hyalæa*. *See* Steinmann, G., &c.
- Hyalostelia*. *See* Dawson, Sir J. W.
- Hyalotragos*. *See* Zeise, O.
- Hyattella*. *See* Hall, J., &c.
- Hybodus*. *See* Gallinek, E.; *see* Leonard, R.
- Hydra*. *See* Wesenberg-Lund, C.
- Hydrobia*. *See* Bukowski, G. von; *see* Hilber, V.; *see* Wolff, W.
- Hydrocharidæ. *See* Keilhack, K.
- Hydrology. *See* Martel, E. A.; *see* Rutot, A., &c.
- , Belgian. *See* Hans, J.
- , Scheldt. *See* Van Overloop, E.
- Hydrozoum*. *See* Zeise, O.
- Hygromia*. *See* Kennard, A. S.
- Hypersthene - Andesite, Alaska. *See* Cushing, H. P.
- Hypersthénite. *See* Koch, A.
- Hypoprion*. *See* Wolf, F.
- Hypostilbite. *See* Rinne, F.
- Hypothyris*. *See* Hall, J., &c.
- Hypsilophodon*. *See* Marsh, O. C.
- Hyptiocrinus*. *See* Wachsmuth, C., &c.
- Hyracotherium*. *See* Wortman, J. L.
- Ice Age. *See* Jentzsch, A.; *see* Upham, W.
- , N. European. *See* Keilhack, K.
- , Rhenish Prussia. *See* Voigt, W.
- , Arctic Sea. *See* Tarr, R. S.
- Plasticity. *See* Russell, I. C.
- Ice-sheet, Adirondacks. *See* Hitchcock, C. H.
- & Boulders. *See* Howorth, Sir H. H.
- Iceland. *See* Keilhack, K.; *see* Thoroddsen, T.
- , Diatomaceous Earth. *See* Östrup, E.
- , N. *See* Eichmüller, G.
- Ichnium* Footprints. *See* Pabst, W.
- Ichthyorachis*. *See* Simpson, G. B.
- Ichthyosaurus*. *See* Ridewood, W. G.
- , Arlon. *See* Lechien, V.
- Idaho Monazite. *See* Lindgren, W.
- Idarwald (Rhenish Prussia). *See* Leppla, A.
- Idiocrinus*. *See* Wachsmuth, C., &c.
- Idiotrypa*. *See* Simpson, G. B.
- IGELSTRÖM, L. J. *See* Anon., 25.
- igneous Magmas. *See* Teall, J. J. H.
- Rocks. *See* Adams, F. D.; *see* Brauns, R., *see* Dolter, C.; *see* Geikie, Sir A.; *see* Lobley, J. L.; *see* Michel-Lévy, A.; *see* Suess, E.; *see* Vogt, J. H. L.
- Igneous Rocks. *See* Volcanic, &c.
- , Adamello Alps. *See* Riva, C.; *see* Salomon, W.
- , Adirondacks. *See* Cushing, H. P.
- , Alaska. *See* Cushing, H. P.
- , Algeria. *See* Curie, J., &c.; *see* Gentil, L.
- , Alnö Island. *See* Sahlbom, N.
- , Andernach. *See* Kænén, C.
- , Andes. *See* Möricke, W.
- , Anglesey. *See* Callaway, C.
- , Aran Mowddwy. *See* Cope, T. H.
- , Argyll. *See* Gunn, W., &c.
- , Arkansas. *See* Branner, J. C.
- , Asia Minor. *See* Washington, H. S.
- , Baluchistan Frontier. *See* McMahon, C. A., &c.
- , Carnic Alps. *See* Salomon, W.
- , Belgium. *See* Dewalque, G.; *see* Malaise, C.
- , California. *See* Lindgren, W.
- , Canada. *See* Adams, F. D.; *see* Dawson, G. M.; *see* Low, A. P.; *see* Tyrrell, J. B., &c.
- , Cape Verde Is. *See* John, C. von.
- , Chaîne de Belledonne. *See* Duparc, L.
- , Charnwood Forest. *See* Watts, W. W.
- , Chile. *See* Möricke, W.
- , Classification. *See* Frech, F.; *see* Loewinson-Lessing, F.; *see* Walther, J.
- , Congo Basin. *See* Cornet, J.
- , Connecticut. *See* Hovey, E. O.
- , Contact-Metamorphism. *See* Dalmer, K.
- , Crimea. *See* Golovkinski, N.; *see* Lagorio, A.
- , Crystallization. *See* Becker, G. F.
- , Dutch E. Indies. *See* Martin, K.; *see* Verbeek, R. D. M.
- , Edinburgh. *See* Goodchild, J. G.
- , Elba. *See* Matteucci, R. V.
- , Euganean Hills. *See* Dal Piaz, G.
- , Finland. *See* Sederholm, J. J., &c.
- , Flow-Structure. *See* Holland, T. H.
- , Fossils in N.S.W. *See* David, T. W. E.
- , France. *See* Michel-Lévy, A.
- , Franz Josef Land. *See* Newton, E. T., &c.
- , French Alps. *See* Bertrand, M.

- Igneous Rocks, Gases in. *See* Tilden, W. A.
- , Gold in. *See* Blake, W. P.
- , Grain of. *See* Lane, A. C.
- , Grisons. *See* Bodmer-Beder, A.; *see* Wehrli, L.
- , Hesse. *See* Chelius, C.; *see* Klemm, G.; *see* Kraatz-Koschlau, K. von; *see* Lepsius, R.
- , Himalayas. *See* McMahon, C. A.; *see* Middlemiss, C. S.
- , Hungary. *See* Gesell A.; *see* Koch, A.
- , India (S.). *See* Holland, T. H.
- , Ireland. *See* Cole, G. A. J.
- , Italy. *See* Viola, C.; *see* Washington, H. S.
- , Japan. *See* Lièvre, D.; *see* Yamasaki, N.
- , Kimberley. *See* Bonney, T. G.
- , Leipzig. *See* Reinisch, R.
- , Loch Tay. *See* Macnair, P.
- , Lombardy. *See* Vigo, G.
- , Lower Tauern. *See* Dœlter, C.; *see* Ippen, J. A.
- , Magnetism. *See* Pockels, F.
- , Méhaigne Valley. *See* Vallée Poussin, C. de la.
- , Mexico. *See* Farrington, O. C.; *see* Felix, J., &c.
- , Montana. *See* Johnston-Lavis, H. J.
- , Moravia. *See* John, C. von; *see* Suess, F. E.
- , Mortirolo Valley. *See* Salomon, W.
- , Mull. *See* Heddle, M. F.
- , Nassau. *See* Kayser, E.
- , near Naples. *See* Günther, R. T.
- , Nebraska. *See* Barbour, E. H.
- , New Brunswick. *See* Matthew, W. D.
- , New England. *See* Emerson, B. K.
- , N. American. *See* Van Hise, C. R., &c.
- , Nubian Desert. *See* Lyons, H. G., &c.
- , Origin of. *See* Iddings, J. P.
- , Pelvoux Massif. *See* Termier, P.
- , Pembrokeshire. *See* Parkinson, J.
- , Pennsylvania. *See* Bascom, F.
- , Piedmont. *See* Horn, F. R. van.
- , Ponza Island. *See* Sabatini, V.
- , Production & Pressure. *See* Etling, C. W. A.
- , Pyrenees. *See* Caralp, —.; *see* Roussel, C.
- , Rainy Lake. *See* Coleman, A. P.
- Igneous Rocks, Rhenish Prussia. *See* Bruhns, W.
- , Rocca Monfina. *See* Washington, H. S.
- , Rome (Prov.). *See* Moderni, R.; *see* Viola, C.; *see* Washington, H. S.
- , Russia (S.). *See* Krotov, P.
- , Sardinia. *See* Bertolio, S.
- , Savoy. *See* Duparc, L.
- , Scandinavia. *See* Törnebohm, A. E.
- , Segregation. *See* Becker, G. F.; *see* Browne, D. H.
- , S. Africa. *See* Bonney, T. G.; *see* Lewis, H. C.
- , Spain. *See* Palacios, P.
- , Stromboli. *See* Bergeat, A.
- , Sudbury (Ont.). *See* Walker, T. L.
- , Switzerland. *See* Wehrli, L.
- , Syria. *See* Potz, W.
- , Tasmania. *See* Twelvetrees, W. H.
- , Tonga Is. *See* Teall, J. J. H.
- , Weathering of British Columbian. *See* Kimball, J. P.
- , W. Scotland. *See* Young, J.
- , Westerwald. *See* Dannenberg, A.
- , Westmoreland. *See* Dakyns, J. R., &c.
- , Westphalia. *See* Mügge, O.
- , Wyoming. *See* Cross, W.; *see* Kemp, J. F.
- , Zonal Structure in. *See* Becke, F.
- Iguanodon*. *See* Andrews, A.; *see* Marsh, O. C.
- , Footprints. *See* Mansel-Pleydell, J. C.
- Iguanodons*, Bernissart. *See* Dupont, E.
- Ilfracombe Series*. *See* Hicks, H., &c.
- Illænus*. *See* Beecher, C. E.; *see* Kayser, E.; *see* Winchell, N. H., &c.
- Illinois Devonian Fauna. *See* Weller, S.
- , Drift. *See* Hershey, O. H.
- , Glaciation. *See* —.
- , Palæozoic Fauna. *See* Miller, S. A., &c.
- , Vertebrata. *See* Cape, E. D.
- Ilmen Mountains (Ural). *See* Jeremejev, P. W.
- Ilmenite. *See* Kolderup, C. F.; *see* Penfield, S. L., &c.
- Ilyocypris*. *See* Chapman, F.
- Ilyodes*. *See* Matthew, G. F.
- Implements, Flint. *See* Reid, C.
- , Pleistocene. *See* Nüesch, J., &c.
- Inclusions in Topaz. *See* Tolstopiatov, M.
- , Ore. *See* Launay, L. de.
- 'Indicators.' *See* Bradford, W.; *see* Lidgley, E.
- Indi River (N.S.W.). *See* Kitson, A. E.
- India. *See* Ramond, G.; *see* Suess, E.

- India, Diamonds. *See* Launay, L. de.
 —, Earthquakes. *See* Anon., 31, 35;
See Gait, E. A.
 —, Facetted Pebbles. *See* Oldham, R.
 D.
 —, Geological Survey. *See* —.
 —, Igneous Rocks. *See* McMahon, C.
 A.; *see* Middlemiss, C. S.; *see* Nøt-
 ling, F.
 —, Mines. *See* Grundy, J.
 — (N.), Landslips. *See* Holland, T.
 H.
 —, Sone Valley Vindhyan. *See* Datta,
 P. N.
 — (S.), Cretaceous Fauna. *See* Koss-
 mat, F.
 — (—), Dykes & Igneous Rocks.
See Holland, T. H.
 Indian Territory (U.S.A.). *See* Steven-
 son, J. J.
 Indiana (U.S.A.). *See* Blatchley, W. S.;
see Duden, H.; *see* Fisher, R.; *see*
 Første, A. F.; *see* Hall, C. F.; *see*
 Hopkins, T. C., &c.; *see* Leach, J. C.;
see Noyes, W. A.; *see* Scovell, J. T.
 — Quaternary Mammalia. *See* Ball,
 T. H.
 — (W.), Conglomerates. *See* Hop-
 kins, T. C.
 Indwe Coalfields (Cape Colony). *See*
 Johns, P.
 Inferior Oolite Ammonite-Zones, Mont
 d'Or. *See* Riche, A.
 Infusorial Earth (U.S.A.). *See* Day, D.
 T., &c.
 Inman Valley (S. Aust.). *See* David, T.
 W. E.
 Innertkirchen (Bern). *See* Fraas, E.
Inoceramus. *See* Kœnen, A. von; *see*
 Leonhard, R.; *see* Parona, C. F., &c.;
see Woods, H.
 —, Eocene of Casentino. *See* Lotti,
 B.
 Inowrazlav (Posen) Jurassic Fauna.
See Gallinek, E.
 Insectivora, French. *See* Gaillard, C.
 Insects, Bavarian Jurassic. *See* Meu-
 nier, F.
 —, Canadian Palæozoic. *See* Matthew,
 G. F.
 —, Carboniferous. *See* Geinitz, H.
 B.
 —, Danish Pleistocene. *See* Wesen-
 berg-Lund, C.
 —, Fossil. *See* Woodward, H., &c.
 —, N. Italian Quaternary. *See* Benassi,
 P.
 Interglacial Flora, Pianico. *See* Baltzer,
 A.; *see* Fischer, E.
Intrapora. *See* Simpson, G. B.
 Iolite. *See* Sahlbom, N.
 Iowa, Carboniferous Fishes. *See* East-
 man, C. R.
 — Coal. *See* Bain, H. F.
 — Geological Survey. *See* Bain, H.
 F.; *see* Beyer, S. W.; *see* Calvin, S.;
see Tilton, J. L.
 Ireland. *See* Atkinson, J. B., &c.
 Ireland, Building Stones. *See* Cole, G.
 A. J.
 —, Carboniferous Cephalopoda. *See*
 Foord, A. H.
 —, Caves. *See* Jameson, H. L.; *see*
 Martel, R. A.
 —, Drift & Agriculture. *See* Kilroe,
 J. R.
 —, Faunal & Floral Migrations. *See*
 Scharff, R. F.
 —, Geological Survey. *See* Anon., 11;
see Geikie, Sir A.
 —, Mines. *See* Atkinson, J. B., &c.
 —, N.E. Raised Beaches. *See* Praeger,
 R. L.
 —, Pre-Cambrian Rocks. *See* Hicks,
 H.
 —, Prehistoric Remains. *See* Munro,
 R.
 —, Volcanoes. *See* Geikie, Sir A.
 Iridium-Tetraminetrichloride. *See* Bäck-
 ström, H.
 Irish Sea. *See* Herdman, W. A.
 Iron, Alabama. *See* McCalley, H., &c.;
see Phillips, H.
 —, California. *See* Crawford, J. J.
 —, Canada. *See* Hoffmann, G. C.
 —, Glance. *See* Westman, J.
 —, Dognacska, Banat. *See* Peli-
 kan, A.
 —, Lake Superior Region. *See* Put-
 nam, B. R.; *see* Winchell, H. V.
 — Mountain (Mich.). *See* Gresley,
 W. S.
 — (Native) in Missouri Coal-Measures.
See Allen, E. T.
 —, New Jersey. *See* Putnam, B. R.
 — Ore Belt, Maryland. *See* Ward,
 L. F.
 —, Genesis in Crystalline Schists.
See Kimball, J. P.
 —, Krivoi Rog. *See* Monkowski,
 T.
 —, Origin. *See* Stockfleth, —.
 —, Vogelsberg. *See* Beyschlag,
 F.
 —, U.S.A. *See* Day, D. T., &c.
 —, Weald. *See* Hawkins, C. E.
 — Pyrites. *See* Mügge, O.; *see* Ram-
 melsberg, C.
 —, Sardinia. *See* Stockfleth, —.
 —, Sweden. *See* Brough, B. H.
 Ironstone, Cleveland (Yorks). *See* Hart-
 ley, W. N.
 — in Trap Tuff, Ayr. *See* Smith, J.
 Iruga (Brazil). *See* Valentin, J.
 Irvine (Ayr) Whale Bed. *See* Smith,
 J.
Isastræa. *See* Ogilvie, M. M.; *see*
 Koby, F.
Ischyodus. *See* Philippi, E.; *see* Sau-
 vage, H. E.
Ischyrodonta. *See* Winchell, N. H.,
 &c.
Isulites. *See* Mojsisovics, E. von.
 Isère (Dauphiné) Neocomian Crinoid.
See Loriol, P. de.
 — River (France). *See* Lugeon, M.

- Isle of Man. *See* Anon., 47; *see* Dawkins, W. B.; *see* Geikie, Sir A., &c.; *see* Lamplugh, G. W.
- , Mines, &c. *See* Atkinson, J. B., &c.
- , Tertiary Deposits. *See* Bell, A.
- Isle of Purbeck (Dorset). *See* Mansel-Pleydell, J. C.
- Isle of Thanet (Kent). *See* Dowker, G.
- Isle of Wight Earthquakes. *See* Milne, J.
- Isocardia*. *See* Reinhard, C.; *see* Wolff, W.
- Isochilina*. *See* Krause, A.
- Isodectes*. *See* Cope, E. D.
- Isostasy. *See* Gravity.
- Isotelus*. *See* Winchell, N. H., &c.
- Isotemnus*. *See* Ameghino, F.
- Isotrypa*. *See* Simpson, G. B.
- Istein District (Baden). *See* Hug, O.
- Istria, Caves. *See* Boegan, E.; *see* Marinitich, J.
- Italy. *See* Beyrich, E., &c.; *see* Fisher, T.
- , Central. *See* Cassetti, M.; *see* Sabatini, V.
- (—), Lias. *See* Morena, T.
- , Diabase. *See* Viola, C.
- , Earthquakes. *See* Davison, C.
- , Geological Survey. *See* Capellini, G.
- , Igneous Rocks. *See* Igneous Rocks.
- , Neogene Echinoderms. *See* Vinassa de Regny, P. E.
- (N.), Granite Bosses. *See* Salomon, W.
- , Petrology. *See* Washington, H. S.
- , Phlegraean Fields. *See* Günther, R. T.
- , Pliocene *Lynx*. *See* Fabrini, E.
- , Quaternary Plants & Insects. *See* Benassi, P.
- , Scaly Clay Flora. *See* Ward, L. F.
- (S.). *See* Böse, E.; *see* Di Stefano, G.
- , Submarine Eruptions. *See* Rudolph, E.
- , Tertiaries, &c. *See* Portis, A.; *see* Vinassa de Regny, P. T.
- , Tertiary Annelids. *See* Rovereto, G.
- — Crocodile. *See* Capellini, G.
- — Gasteropoda. *See* Sacco, F.
- , Volcanic Activity, 1894. *See* Rudolph, E.
- , — Rocks. *See* Washington, H. S.
- Itieria*. *See* Levi, G.
- Itzehoe (Holstein). *See* Reinhard, C.
- Ivrea (Piedmont) Noritic Rocks. *See* Horn, F. R. van.
- Izalco (Salvador). *See* Gosling, A.
- JACKSON, C. T. *See* Woodworth, J. B.
- JACKSON-HARMSWORTH Arctic Expedition. *See* Anon., 37; *see* Newton, E. T., &c.
- Jadeite. *See* Bauer, M.
- Jaila Dagh (Crimea). *See* Toula, F.
- Jamesonite. *See* Card, G. W.
- Janeia*. *See* Törnquist, A.
- Japan, Earthquake Wave. *See* Rein, J.
- , Earthquakes. *See* Davison, C.
- , Geological Survey Maps. *See* Kochibe, T., &c.
- , Igneous Rocks. *See* Yamasaki, N.
- , Petroleum. *See* Anon., 29.
- , Tellurium. *See* Chikaskige, M.
- , Volcanic Activity, 1894. *See* Rudolph, E.
- Japan, Volcanic Eruptions. *See* Lièvre, D.
- Jaroslav (Russia) Jurassics. *See* Gorodzev, W.
- (—), Mammoth Remains. *See* Doss, B.
- Java (E.I.). *See* Verbeek, R. D. M., &c.
- (—), Pliocene *Pithecanthropus*. *See* Dubois, E.
- , Tertiary Fauna. *See* Martin, K.
- , — Monkeys. Manouvrier, L.
- Jeanpaulia*. *See* Shirley, J.
- Jefferson Co. (Ind.). *See* Færste, A. F.
- Jemtland (Sweden) Glaciation. *See* Högbom, A. G.; *see* Hollender, A.; *see* Törnebohm, A. E.
- (—) Silurian & Cambrian. *See* Wiman, C.
- Jennings Co. (Ind.). *See* Færste, A. F.
- Jerea*. *See* Zeise, O.
- Joannites*. *See* Mojsisovics, E. von.
- Johannesburg (Transvaal). *See* Wendeborn, A.
- (—) Plant-Beds. *See* Draper, D.; *see* Seward, A. C.
- , *See* Transvaal.
- Joints, Fracture System. *See* Woodworth, J. B.
- ‘Joints’ in Limestones. *See* Craig, R.
- Joltaia River (Kherson). *See* Sokolov, N.
- Jonesella*. *See* Winchell, N. H., &c.
- Joplin (Miss.) Calcite. *See* Pisani, F.
- Jotunfjeld (Norway). *See* Öyen, P. A.
- Joufia*. *See* Böhm, G.
- Joux Lakes (Vaud). *See* Forel, F. A.
- Valley (Vaud). *See* Schardt, H.
- Jovellania*. *See* Frech, F.
- Jovites*. *See* Mojsisovics, E. von.
- Juby, Cape (N.W. Africa). *See* Zaytoun, F. S.
- JUDD, J. W. *See* Chambers, T. G.
- Juglandites*. *See* Paolucci, L.
- Juglans*. *See* —.
- Jujuy (Argentina). *See* Valentin, J.
- Juncus*. *See* Paolucci, L.
- Jungfrau Railway (Bernese Alps). *see* Guyer-Zeller, —.
- Jura. *See* Choffat, P.; *see* Mühlberg, F.; *see* Musy, M.; *see* Pasquier, L. du; *see* Rollier, L.; *see* Schmidt, C.
- (Bernese), Jurassic Fauna. *See* Lorient, P. de.
- Caves. *See* Bidot, —, &c.
- (France). *See* Bourgeat, —; *see* Girardot, L. A.

- Jura (France) Tertiary Freshwater Limestone.** See Rollier, L.
 — (—) Underground Rivers. See Renaud, E.
 — Lakes. See Delebecque, A.
 —, Orographical Relations of the Malm. See Rollier, L.
 —, United States. See Marcou, J.
Jurassic Ammonites. See Bode, G.
 —, Swabia. See Engel, T.
 —, Angoulême. See Glangeaud, P.
 — Beds, Algerian. See Leenhardt, F.
 —, Buckinghamshire. See Davies, A. M., &c.
 —, Brunswick. See Kloos, J. H.
 —, Calanda. See Piperov, C.
 —, Californian. See Fairbanks, H. W.
 —, Cephalopoda. See Brash, L.; see Crick, G. C.; see Hochstetter, E. von; see Törnquist, A.
 —, Lower Austrian. See Krafft, A. von.
 — Deposits, Dauphiné. See Paquier, V., &c.
 —, Cotteswolds. See Buckman, S. S.
 —, Eastern United States. See Clark, W. B., &c.
 —, English. See Marcou, J.
 —, French. See Welsch, J.
 —, Jaroslav. See Gorodzev, W.
 —, Winckel. See Bleicher, —, &c.
 — Dinosaurs. See Marsh, O. C.
 — Fauna, Argentine Andes. See Steuer, A.
 —, Baluchistán, &c. (N.W. India). See Nøtling, F.
 —, Brunswick. See Wollemann, A.
 —, Central Italian. See Canavari, M.
 —, Franz Josef Land. See Newton, E. T., &c.
 —, Inowrazlav. See Gallinek, E.
 —, Jura (Bernese). See Lorial, P. de.
 — (Upper), Stramberg Deposits. See Möricke, W.; see Ogilvie, M. M.; see Zeise, O.
 — Fishes. See Bigot, A.; see Philippi, E.
 —, Boulonnais. See Sauvage, H. E.
 — Flora, Portugal. See Ward, L. F.
 — Foraminifera & Ostracoda, Buckinghamshire. See Chapman, F.
 — Gasteropoda. See Cossmann, M.
 —, Italian. See Levi, G.
 —, Haut-Rhin. See Bleicher, —, &c.
 — Insects, Bavarian. See Meunier, F.
 — Inversion near Ligerz. See Schardt, H., &c.
 —, Jura. See Choffat, P.
- Jurassic Lamellibranchs, Borneo.** See Newton, R. B.
 —, Mons (Var). See Guébard, A.
 —, Mont d'Or. See Riche, A.
 —, Nautiloids. See Foord, A. H., &c.
 —, Niemanden. See Jonas, R.
 —, Orography of the Jura Malm. See Rollier, L.
 — Plants. See Seward, A. C.
 — from Glacial Blocks, Denmark. See Rordam, K., &c.
 —, Spitzbergen. See Nathorst, A. G.
 — Reptilia. See Bigot, A.; see Boule, M.; see Dames, W.; see Deslongchamps, J. A. Eudes; see Lechien, V.; see Marsh, O. C.
 —, Sansac. See Welsch, J.
 — Rocks, Jaroslav. See Gorodzev, W.
 —, Lombardy. See Parona, C. F.; see Philippi, E.
 —, Lons-le-Saunier. See Girardot, L. A.
 —, Riasan. See Bogoslawski, N. A.
 —, Sledlice Gov. See Krishafovich, N.
 —, Soudak. See Vogdt, C. de.
 —, S. Baden. See Schalch, F.
 —, S. Paris Basin. See Grossouvre, A. de.
 —, S. Russian. See Toula, F.
 —, St. Veit. See Hochstetter, E. W.
 —, Texas. See Hill, R. T.; see Marcou, J.
 — Sponges. See Fraas, E.
 — Trigonie. See Stremoukhov, D.
 — Zones, Ancient Straits of Poitou. See Glangeaud, P.; see Welsch, J.
Jutland (Denmark) Earthquakes. See Hintze, V.
Juvavites. See Diener, C.; see Mojsisovics, E. von.
- Kaims, Sweden.** See Geer, G. de.
 'Kainosit.' See Cenosite.
Kallwang (Styria). See Canaval, R.
Kalymma. See Solms-Laubach, Count H.
Kama River (Russia). See Stuckenberg, A.
Kamaishi (Japan) Great Wave. See Rein, J.
Kansan Epoch, Illinois. See Hershey, O. H.
Kansas, Carboniferous & Permian. See Prosser, C. S.
 —, Reptilia. See Williston, S. W.
 — Coal-Measure 'Horsebacks.' See Crane, W. R.
 —, Comanche Series. See Vaughan, T. W.
 —, Cretaceous Bird. See Marsh, O. C.; see Williston, S. W.
 —, Reptilia. See Williston, S. W.

- Kansas, Cretaceous Crustacea. *See* Logan, W. M.
- Drift. *See* Hershey, O. H.
- Glaciation. *See* Swen, E. G.
- Gypsum. *See* Bailey, E. H. S., &c.; *see* Grimsley, G. P.
- Jura, &c. *See* Marcou, J.
- Mosasaur. *See* Williston, S. W.
- , Natural Gas & Oil. *See* Bailey, E. H. S.
- Neocene. *See* Cragin, F. W.
- Palæozoic. *See* Prosser, C. S.
- Permian. *See* Cragin, F. W.; *see* Prosser, C. S.; *see* Williston, S. W.
- , — Dinosaurs. *See* Williston, S. W.
- River Valley Sands. *See* Kirk, M. Z.
- Kaolinite. *See* Lacroix, A.
- Kara-Dagh (Crimea). *See* Lagorio, A.
- Karabugas Gulf (Caspian). *See* Andrussov, N.
- Karánsebes (Hungary). *See* Halaváts, J.
- Karia (Asia Minor). *See* Paton, W. R., &c.
- Karoo Formation, S. Africa. *See* Launay, L. de.
- Karpinskia. *See* Frech, F.; *see* Hall, J., &c.
- Karst (Styria) Land Subsidences. *See* Perko, J. A.
- ‘Karst’-formation, Glacier. *See* Sieger, R.
- Phenomena in Servia. *See* Cvijić, J.
- Katanga (Congo Basin). *See* Cornet, J.
- Kayseria. *See* Hall, J., &c.
- Kazan (Russia). *See* Pavlov, A. P.
- (—) Soils. *See* Rizpologenski, R.
- Keisley-Limestone Fauna. *See* Reed, F. R. C.
- Kelatan (Malay States). *See* Clifford, H.
- Kellaway Fauna, Baluchistán, &c. *See* Noetling, F.
- Kellerwald (Nassau). *See* Beushausen, L., &c.; *see* Denckmann, A.
- Kent. *See* Geikie, Sir A., &c.
- Coalfield. *See* Brady, F., &c.; *see* Dawkins, W. B.; *see* De Rance, C. E.; *see* Etheridge, R.; *see* Greenwell, G. C.; *see* Hull, E.; *see* Zeiller, R.
- Kentish Coast. *See* Rowe, A. W., &c.
- Keokuk Limestone Fishes, Iowa. *See* Eastman, C. R.
- Rocks, Indiana. *See* Kindle, E. M.
- Kerosene Shales, N.S.W. *See* Bertrand, C. E.
- Kerry Co. Bog-burst. *See* Cole, G. A. J.; *see* Praeger, R. L.; *see* Watts, W.
- Kertch (S. Russia). *See* Andrussov, N.
- Keuper, Warwickshire. *See* Brodie, P. B.
- Key-Dwellers, Florida. *See* Cushing, F. H.
- Key-West (Florida). *See* Hovey, E. O.
- Kharkov (Russia). *See* Sokolov, N., &c.
- Kherson (Russia). *See* Sokolov, N., &c.
- Kienholz (Bern). *See* Baltzer, A.
- Kiev (Russia). *See* Sokolov, N., &c.
- Kiffis (Alsace). *See* Tobler, A.
- Kildare-Limestone Fauna. *See* Reed, F. R. C.
- Killean (Kintyre). *See* Symes, R. G., &c.
- Kilwinning (Ayr). *See* Smith, J.
- Kimberley (Cape Colony) Diamond Mines. *See* Bonney, T. G.; *see* Crookes, W.; *see* Lewis, H. C. *See* Diamonds.
- Kimberlite. *See* Lewis, H. C.
- Kimeridge Shale, Dorset. *See* Mansel-Pleydell, J. C.
- Kimeridgian. *See* Rollier, L.
- Ammonites, Le Havre (Seine-Inférieure). *See* Törnquist, A.
- King’s Co. (N.S.) Glacial Deposits. *See* Coldwell, A. E.
- Kintyre, Mull of (Argyll), High Level Shell-Deposits. *See* Bell, D., &c.
- Kirghiz Steppe (Russia). *See* Mushketov, J.
- Kirishima Volcano (Japan). *See* Lièvre, D.
- Kistanje (Dalmatia). *See* Kerner, F.
- Kitchen-middens, Dorset Neolithic. *See* Reid, C.
- , Florida. *See* Cushing, F. H.
- , Hastings. *See* Abbott, W. J. L.
- Klägerup (Skåne) Glacial Plant Remains. *See* Munthe, H.
- Klausen (Tyrol). *See* Salomon, W.
- Klausenburg (Transylvania). *See* Koch, A.
- (—) Diluvial Mammals. *See* Koch, A.
- Klinge (Brandenburg), Elephant Remains. *See* Nehring, A.
- Klint Promontory (Denmark). *See* Andersson, F.
- ‘Klippe,’ Lower Austria. *See* Hochstetter, E. W. von.
- ‘Klippen.’ *See* Schmidt, C.
- Klondyke (N.W. Canada). *See* Anon., 4, 46; *see* Rose, T. K.
- Clön Valley (Glarus). *See* Burckhardt, K.
- Knaptun (Yorks) Neocomian. *See* Lamplugh, G. W.
- Knocknageeha Bog (Co. Kerry). *See* Kerry Co.
- Knopite. *See* Holmquist, P.
- Knoxville (Cal.). *See* Fairbanks, H. W.
- Kochia. *See* Frech, F.
- Köge (Denmark) Cretaceous Rocks. *See* Rordam, K.
- Kokenia. *See* Winchell, N. H., &c.
- Kolchuguina (Tomsk). *See* Polenov, B. K.
- Kolguev Island (Arctic) Clay. *See* Dickson, E., &c.
- Kolosvár (Transylvania). *See* Klausenburg.
- Königsberg (Prussia). *See* Lepsius, R.
- Koninckella. *See* Böse, E.
- Koninckina. *See* Böse, E.; *see* Lorenzo, G. de.

- Koochiching Granite (Minn.). *See* Winchell, A. N.
- Kophinoceras*. *See* Beyer, E.
- Koppite. *See* Holmquist, P. J.
- Kornia (Hungary). *See* Adda, K. von.
- Korniareva (Hungary). *See* Schafarzki, F.
- Korosko (Nile Valley). *See* Lyons, H. G., &c.
- Kosciusko (N.S.W.). *See* Kitson, A. E.
- Kotchkar (S. Urals). *See* Wyssotski, N.
- Kraussella*. *See* Winchell, N. H., &c.
- Kreischeria*. *See* Geinitz, H. B.
- Kremnitz (Hungary). *See* Gesell, A.
- Krivoi Rog (Kherson) Iron Ore. *See* Monkowski, T.; *see* Sokolov, N.
- Krosno (Galicia). *See* Grzyobowski, J.
- Kundratitz (Bohemia). *See* Menzel, P.
- Kursk (Russia). *See* Nikitin, S.
- Kussa (S. Urals). *See* Arzruni, A.
- Kutais (Transcaucasia). *See* Simonovich, S.
- Kutorgina*. *See* Frech, F.
- Kvikjokk Mts. (Norrbotten) Glacier. *See* Hamberg, A.
- Kyshtim (Urals). *See* Jeremejev, P. W.
- La Caunette (Aude). *See* Bernard, M.
- La Flèche (Sarthe). *See* Bizet, P.
- Laborel (Drôme) Meteorite. *See* Cohen, E.
- Labrador. *See* Barton, G. H.
- Glaciation. *See* Tarr, R. S.
- Peninsula. *See* Low, A. P.
- Labradorite Rocks, S.W. Norway. *See* Kolderup, C. F.
- Labrosaurus*. *See* Marsh, O. C.
- Laccolites, Colorado. *See* Gilbert, G. K.
- , Crimea. *See* Golovkinski, N.
- , Yellowstone National Park (U.S.A.). *See* Suess, E.
- Ladoga, Lake (Russia). *See* Miklucho-Maklay, M. N.
- Læsö (Denmark). *See* Jessen, A.
- Lafayette Formation. *See* Upham, W.
- Laganum*. *See* Cotteau, G., &c.; *see* Koch, A.
- Lagena*. *See* Morton, F. S.
- Lagenostoma*. *See* Butterworth, J.
- Lagomys*. *See* Nüesch, J., &c.
- Lagonegro (Basilicata) Triassic Fauna. *See* Lorenzo, G. de.
- Lagopus*. *See* Nüesch, J., &c.
- Laibach (Carniola). *See* Mojsisovics, E. von.
- (—) Earthquake. *See* Suess, F. E.
- (—), Prehistoric Remains. *See* Munro, R.
- Lake Agassiz. *See* Tyrrell, J. R.
- Beds, Waucobi, Inyo Co. *See* Walcott, C. D.
- Co. (Ind.). *See* Ball, T. H.
- Caledonia. *See* Geikie, Sir A.
- Callabonna (S. Australia). *See* Zietz, E. C.
- Champlain (N.Y. & Vt.). *See* Ingen, G. van, &c.
- Lake Champlain (N.Y. & Vt.) Lower Silurian. *See* Brainerd, E., &c.
- District, English. *See* Dakyns, J. R., &c.; *see* Foster-Barham, H. G., &c.; *see* Geikie, Sir A.; *see* Harker, A.; *see* Postlethwaite, J.
- Dwellings. *See* Munro, R.
- Erosion. *See* Delebecque, A.
- Lepignano (Rome), newly formed. *See* Meli, R.; *see* Moderni, R.
- Nemi (Rome). *See* Clerici, E.
- Nyassa (East Africa). *See* Hauchecorne, —.
- Superior (U.S.A.), Abandoned Beaches. *See* Taylor, F. B.
- , Iron & Copper. *See* Putnam, B. R.
- Iron-Ore, Organic Markings. *See* Gresley, W. S.
- Iron-Ore Region. *See* Van Hise, C. R.; *see* Winchell, H. V.
- Warren Shore-lines. *See* Fairchild, H. L.
- Water, Carbonate of Lime in. *See* Delebecque, A.
- Erosion. *See* Delebecque, A.
- Lakes, Alpine. *See* Delebecque, A.
- Auvergne & Velay. *See* Boule, M.
- , Caernarvonshire. *See* Brend, W. A.
- , Dartmoor. *See* Somervail, A.
- (Dry), W. Australia. *See* Woodward, H. P.
- , Eifel. *See* Halbfass, —.
- , Equatorial Africa. *See* Moore, J. E. S.
- , French. *See* Delebecque, A.; *see* Forel, F. A.
- (Great), N. America. *See* Winchell, A. N.
- , Joux. *See* Forel, F. A.
- , Origin of. *See* Marr, J. E.
- , — Auvergne. *See* Boule, M.
- , Pyrenees. *See* Belloc, E.; *see* Delebecque, A.
- with more than one Outlet. *See* Grant, U. S.; *see* Watson, T. L.
- Lakhmina*. *See* Etheridge, R., Jun.; *see* Frech, F.
- Lambdaconus*. *See* Ameghino, F.
- Lamellibranchiata. *See* Koch, A.
- , Alban. *See* Parona, C. F., &c.
- , Australian Tertiary. *See* Harris, G. F.
- , Bulgarian Tertiary. *See* Bontschev, S. (in Addendum).
- , Borneo Jurassic. *See* Newton, R. B.
- , Carboniferous. *See* Bolton, H.; *see* Törnquist, A.
- , Chalk Rock. *See* Woods, H.
- , Cretaceous. *See* Böhm, G.; *see* Könen, A. von; *see* Leonhard, R.; *see* Steuermann, G., &c.
- , Devonian. *See* Hicks, H., &c.; *see* Ehlerl, D. P.
- , Hils Conglomerate. *See* Wolle-mann, A.

- Lamellibranchiata Hinges. *See* Bernard, F.; *see* Douvillé, H.
- , Jurassic. *See* Canavari, M.; *see* Gallinek, E.; *see* Loriol, P. de; *see* Nœtling, F.; *See* Stremoukov, D.
- , Keisley Limestone. *See* Reed, F. R. C.
- , Levantine. *See* Bukowski, G. von.
- , Liassic. *See* Fucini, A.
- , Millstone Grit. *See* Barnes, J., &c.
- , Minnesota Silurian. *See* Winchell, N. H., &c.
- , Oligocene. *See* Wolff, W.
- , Palaeozoic. *See* Frech, F.
- , Poudicheri Cretaceous. *See* Kossmat, F.
- , Silurian. *See* Ulrich, E. O.
- , Spanish Devonian. *See* Ehlert, D. P.
- , Tertiary. *See* Mayer-Eymar, C.; *see* Reinhard, C.; *see* Simonelli, E.; *see* Vinassa de Regny, P. E.
- , Triassic. *See* Lorenzo, G. de.
- , Tunisian Cretaceous. *See* Peron, A.
- , Wealden. *See* Wollemaun, A.
- Lammbach (Bern) Landslip. *See* Steiger, H. von.
- Lamna. *See* Gallinek, E.; *see* Priem, F.
- Lanarkshire Coalfields. *See* Anon., 9.
- Lancashire. *See* Bolton, H.; *see* Geikie, Sir A., &c.; *see* De Rance, C. E.
- , Carboniferous Mollusca. *See* Bolton, H.
- , Shap Fells Granite-Boulders. *See* Foster-Barham, H. G.
- Land & Sea, Changes of. *See* Loewinson-Lessing, F.
- Elevation, Baffin's Land. *See* Watson, T. L.
- , S.W. Pacific. *See* Murray, J.
- , Glacial European. *See* Scharff, R. F.
- Oscillations. *See* Read, T. M.
- , California. *See* Fairbanks, H. W.
- Land Subsidences, Karst. *See* Perko, J. A.
- , Prov. Rome. *See* Moderni, P.
- , Servia. *See* Cvijič, J.
- , Upheaval & Depression. *See* Tarr, R. S.
- , Baltic Provinces. *See* Bonsdorff, A.
- , Canada. *See* Bell, R.
- Landes, Les (France). *See* Durègne, E.
- (—), Lakes. *See* Delebecque, A.
- Landian. *See* Hankar, A.
- Landskron (Moravia). *See* John, C. von.
- Landslip, Gohna. *See* Holland, T. H., &c.
- , Kienholz. *See* Baltzer, A.
- Landslip, Lammbach. *See* Steiger, H. von.
- , Naini Tal. *See* Holland, T. H.
- , Yang-tse-kiang, Sze Chuen. *See* Bourne, F. S. A.
- Langeland (Denmark). *See* Andersson, F.
- Laosaurus. *See* Marsh, O. C.
- Laramie Formation, Wyoming. *See* Stanton, T. W., &c.
- Lasiograptus. *See* Frech, F.
- Lasiothrix. *See* Dawson, Sir J. W.
- Laterite, African. *See* Wohltmann, —.
- Latimeandra. *See* Koby, F.
- Latiphyllia. *See* Koby, F.
- Latirofusius. *See* Hall, T. S., &c.
- Latirus. *See* Cossmann, M.; *see* Harris, G. F.; *see* Martin, K.
- Laurentian, Canadian. *See* Adams, F. D., &c.; *see* Dawson, G. M.; *see* Ells, R. W.; *see* Low, A. P.
- Region. *See* Van Hise, C. R., &c.
- Laurionite. *See* Schulten, A. de.
- Laurus. *See* Paolucci, L.
- Lausanne, Geological Museum. *See* Renevier, E.
- Lavas. *See* Brauns, R.; *see* Lobley, J. L.
- , Italy. *See* Günther, R. T.
- , Stromboli. *See* Bergeat, A.
- Lavignon. *See* Peron, A.
- Lawsonite. *See* Franchi, S.; *see* Termier, P.; *see* Viola, C.
- Lead. *See* Day, D. T., &c.; *see* Plathan, A.
- , Bleiberg. *See* Hupfeld, —.
- Carbonate Deposits & Underground Rivers. *See* Launay, L. de.
- , La Caunette. *See* Bernard, M.
- , New Mexico. *See* Herrick, C. L.
- , N. Andalusia (Spain). *See* Witeltsbach, A. O.
- Leaf-Beds, Bournemouth. *See* Gardner, J. S.
- Lebanon (Syria), Cenomanian Echinoderms. *See* Loriol, P. de.
- Lecco (Lombardy). *See* Philippi, E.
- Leda. *See* Fucini, A.; *see* Kœnen, A. von; *see* Reinhard, C.; *see* Wolff, W.
- Ledonian. *See* Girardot, L. A.
- Lee-on-Solent (Hants). *See* Chapman, F.
- Lefroy Goldfields (Tasmania). *See* Jolly, E.
- Leguminosites. *See* Paolucci, L.
- Leicestershire (S.) Coalfields. *See* Gresley, W. S.
- Leiman, near Heidelberg. *See* Kehrer, F. A.
- Leiocidaris. *See* Koch, A.
- Leiopates. *See* Osasco, E.
- Leiopedina. *See* Koch, A.
- Leiopteria. *See* Julien, A.
- Leipzig District, Granite, &c. *See* Reinisch, R.
- Leitrim Co. Caves. *See* Jameson, H. L.
- Leman. *See* Geneva.

- Lemurs, Argentine Fossil. *See* Ameghino, F.
 —, Eocene. *See* Earl, C.
 Lemurids, Malagasy Pleistocene. *See* Forsyth-Major, C. I.
 Lenne-porphyr. *See* Mügge, O.
 Lenticeras. *See* Steinmann, G. & K.
 Leonite. *See* Tenne, C. A.
 Leontinia. *See* Ameghino, F.
 Leperditella. *See* Winchell, N. H., &c.
 Leperditia. *See* Gürich, G.
 Lepetopsis. *See* Julien, A.
 Lepiditta. *See* Matthews, G. F.
 Lepidocyclina. *See* Verbeek, R. D. M., &c.
 Lepidodendron. *See* Fritsch, K. von; *see* McCalley, H.; *see* Solms-Laubach, Count H.
 Lepidostrobos. *See* Fritsch, K. von.
 Leprignano Lake (Rome), newly formed. *See* Meli, R.; *see* Moderni, R.
 Leptena. *See* Frech, F.
 Leptanisca. *See* Hall, J., &c.
 Leptechinus. *See* Törnquist, A.
 Leptocelia. *See* Frech, F.; *see* Hall, J., &c.; *see* Kayser, E.
 Leptodomus. *See* Frech, F.; *see* Kayser, E.
 Leptodon. *See* Toula, F.
 Leptonema. *See* Smith, J.
 Leptophyllia. *See* Ogilvie, M. M.
 Leptotrypa. *See* Simpson, G. B.
 Leucite Hills (Wy.). *See* Cross, W.; *see* Kemp, J. F.
 Leucitic Lavas, Prov. Rome. *See* Viola, C.
 Leucopyrite. *See* Safflorite.
 Leucozonina. *See* Harris, G. F.
 Levantine Molluscan Fauna, Rhodes Island. *See* Bukowski, G. von.
 Liarthrus. *See* Ameghino, F.
 Lias, Ammonites, Lombardy. *See* Parona, C. F.
 —, Brunswick. *See* Bode, G.
 —, Catesby. *See* Thompson, B.
 —, Central Italy. *See* Morena, T.
 —, Diatomaceæ & Coccoliths. *See* Rothpletz, A.
 —, Fauna, near Campiglia. *See* Fucini, A.
 —, Fishes. *See* Woodward, A. S.
 —, Hautes-Pyrénées & Ariège (France). *See* Stuart-Menteath, P. W.
 —, Lombardy. *See* Philippi, E.
 —, Northants. *See* Thompson, B.
 —, Piedmont. *See* Resetti, G. E.
 —, Plants, Hungarian. *See* Staub, M.
 —, Pyrenees. *See* Carez, L.; *see* Stuart-Menteath, P. W.
 —, Rossano. *See* Greco, B.
 —, Salzburg. *See* Krafft, A. von.
 —, Tuscany. *See* Fucini, A.
 —, Vienna. *See* Toula, F.
 Libau (Courland). *See* Bonsdorff, A.
 Libocedras. *See* Paolucci, L.
 Lichapyge. *See* Frech, F.
 Lichas. *See* Beecher, C. E.; *see* Beyer, E.; *see* Frech, F.; *see* Törnquist, S. L.; *see* Winchell, N. H., &c.
 Lichenalia. *See* Simpson, G. B.
 Lichenotrypa. *See* —.
 Liège District. *See* Forir, H., &c.
 Ligerz (Bern). *See* Schardt, H., &c.
 Lignite, Massetano. *See* Ristori, G.
 Ligurian Cretaceous. *See* Parona, C. F., &c.
 Lille (Nord). *See* Pagniez-Mio, —.
 — (—) Borings. *See* Anon., 5; *see* Gosselet, J.; *see* Pagniez-Mio, —; *see* Vandewynckèle, —.
 Lima. *See* Gallinek, E.; *see* Kœnen, A. von; *see* Lorenzo, G. de; *see* Nœtling, F.; *see* Peron, A.
 'Limans,' South Russian. *See* Kur-nakov, N.
 Limburg. *See* Ubaghs, C.
 Limestone, Bedford (Ind.) Oolitic. *See* Hopkins, T. C.
 —, Danish Freshwater. *See* Ravn, J. P. J.
 — 'Joints.' *See* Craig, R.
 —, Tertiary Freshwater. *See* Rollier, L.
 — (White), New Jersey. *See* Wolff, J. E.
 Limestones, Alabama. *See* McCalley, H., &c.
 —, Canada. *See* Hoffmann, G. C.
 —, Hydrology. *See* Rome, T.
 —, Water Supply. *See* Rutot, A., &c.
 Limnaeus. *See* Bukowski, G. von; *see* Wolff, W.
 Limnicythere. *See* Chapman, F.
 Limonite, Alabama. *See* McCalley, H., &c.
 —, Luxemburg. *See* Dewalque, G.
 Limopsis. *See* Woods, H.
 Limoptera. *See* Frech, F.; *see* Hicks, H., &c.
 Linarite. *See* Brugnatelli, L.
 Lincoln Gap (Lincs). *See* Burton, F. M.
 Lincolnshire Boulders. *See* Sheppard, T.
 —, Middle Lias. *See* Cooke, J. H.
 — (N.). Bibliography, 1895. *See* Sheppard, T.
 — Speeton Clay. *See* Stather, J. W.
 Lindstrœmella. *See* Hall, J., &c.
 Lingula. *See* Hall, J., &c.; *see* Kœnen, A. von; *see* Postlethwaite, J.
 Lingulella. *See* Kayser, E.
 Lingulepis. *See* Walcott, C. D.
 Lingulops. *See* Hall, J., &c.
 Linlithgow (Scotland). *See* Geikie, J.
 Linnarssonina. *See* Frech, F.
 Linograptus. *See* —.
 Linthia. *See* Botto-Micca, L.; *see* Loriol, P. de; *see* Schlüter, C.
 Limparus. *See* Ortmann, A. E.
 Lioceras concavum-Zone, Mont d'Or. *See* Riche, A.
 Liodon. *See* Leonhard, R.
 Liopistha. *See* Kœnen, A. von.

- Liorhynchus*. See Hall, J., &c.; see Kayser, E.
- Liosphære*. See Cayeux, L.
- Liospira*. See Winchell, N. H., &c.
- Liostracus*. See Kayser, E.
- Liota*. See Harris, G. F.
- Liriodendron*. See Paolucci, L.
- Liriodendropsis*. See Ward, L. F.
- Lisbon (Portugal) Cretaceous. See Choffat, P.
- (—) Water Supply. See Choffat, P.
- Lispodesthes*. See Leonhard, R.
- Lissieu (Rhône). See Chantre, E., &c.
- Lissopleura*. See Whitfield, R. P.
- Litharæa*. See Reid, C.
- Lithentomum*. See Matthew, G. F.
- Lithiophilite. See Penfield, S. L., &c.
- Lithocampe*. See Cayeux, L.
- Lithodomus*. See Kœnen, A. von.
- Lithographer's Stones. See Berwerth, F.
- Lithographic Stone Cephalopoda. See Crick, G. C.
- Lithostroton*. See Julien, A.
- Little Bredy (Dorset) Gravels. See Mansell-Pleydell, J. C.
- Little Metis (Quebec). See Dawson, Sir J. W.
- Little Rock (Ark.) Bauxite. See Branner J. C.
- Littorina*-Sea, S. Finland. See Berg-hell, H.; see Wesenberg-Lund, C.
- Lituites*. See Holm, G.
- Liverpool (Lancs). See Herdman, W. A., &c.
- (—), Borings near. See Morton, G. H.
- (—), Buried River Valleys. See Reade, T. M.
- (—), Trias Footprints. See Beasley, H. C.
- Livonia (Baltic Provs.), Alluvium & Tertiaries. See Doss, B.
- Lobocrinus*. See Wachsmuth, C., &c.
- Loch Tay (Perth) Igneous Rocks. See Macnair, P.
- Loculipora*. See Simpson, G. B.
- Loess. See Cole, G. A. J.
- in Wisconsin Drift. See Salisbury, R. D.
- Loess-Wells, Hungarian. See Halaváts, J.
- Lollingite. See Rammelsberg, C.
- Lombardy (Italy) Cinnabar. See Kloos, J. H.
- (—), Liassic Ammonites. See Parona, C. F.
- (—), Northern. See Philippi, L.
- (—), Upper Jurassic & Lower Cretaceous. See Parona, C. F.
- London Water Supply. See Frankland, P.
- Londonderry. See Cole, G. A. J.
- Long Island (N.Y.). See Hollick, A.
- Lons-le-Saunier (Jura). See Girardot, L. A.
- Lophiodon*. See Gaudry, A.
- Lophopus*. See Wesenberg-Lund, C.
- Lophospira*. See Winchell, N. H., &c.
- Loranthus*. See Menzel, P.
- Lorne (Argyll) Old Red Sandstone. See Geikie, Sir A.
- Lorraine. See Benecke, E.
- Los Angeles (Cal.). See Watts, W. L., &c.
- Lot Valley (Lozère) Caves. See Barbot, J.
- Lotorium*. See Harris, G. F.
- Louisiana (U.S.A.). See Branner, J. C.
- Louisville (Kan.) Mineral Water. See Bailey, E. H. S.
- Lourdes (Hautes-Pyrénées). See Carez, L.; see Stuart-Menteath, P. W.
- (—), Lakes. See Belloc, E.
- Louvain (Brabant). See Mourlon, M.
- Louviers (Eure). See Dollfus, G.
- Lovitel Lake (Isère). See Delebecque, A.
- Löwenberg (Silesia). See Rosenberg-Lipinsky, — von.
- Loxonema*. See Barnes, J., &c.; see Beyer, E.; see Gürich, G.; see Julien, A.; see Reed, F. R. C.
- Loxotaphrus*. See Harris, G. F.
- Lublin (Russia) Chalk. See Krishtafovich, N.
- Lucani (Tuscany). See Tuccimei, G.
- Lucina*. See Böhm, G.; see Kœnen, A., von; see Reinhard, C.; see Vinassa de Regny, P. E.; see Wolff, W.
- Lukow (Russia). See Krishtafovich, N.
- Lunain Valley (Loiret). See Viré, A.
- LUNDGREN, S. A. B. See Elles, Miss G. L.; see Törnquist, S. L.
- Lunenburg (N.S.) Glacial Deposits. See Prest, W. H.
- Lungau Tauern (Salzkammergut). See Beyschlag, —.
- Lure (Haute-Saône). See Vélain, C.
- Lure Mt. (Basses-Alpes). See Kilian, W.
- Lutetian. See Canu, F.
- Lutraria*. See Winchell, N. H., &c.; see Wolff, W.
- Lutzk, (Volhynia). See Tutkowski, P.
- Lycophoria*. See Hall, J., &c.
- Lycopodites*. See Nathorst, A. G.; see Reid, J., &c.
- Lydenburg (Transvaal). See Bordeaux, A.
- LYELL, SIR C. See Cole, G. A. J.
- Lyginodendron*. See Seward, A. C.
- Lynx*. See Fabrini, E.; see Nüesch, J., &c.
- Lyrria*. See Hall, T. S., &c.; see Harris, G. F.
- Lyriocrinus*. See Wachsmuth, C., &c.
- Lyrodesma*. See Winchell, N. H., &c.
- Lyropora*. See Simpson, G. B.
- Lyroporella*. See —.
- Lyroporida*. See —.
- Lysactinella*. See Girty, G. H.
- Lysechinus*. See Gregory, J. W.

- Lytoceras*. See Canavari, M.; see Fucini, A.; see Parona, C. F.; see Steuer, A.
- Maastricht Chalk. See Ubaghs, C.
- Machaerodus*. See Adams, G. I.
- Macira*. See Meli, R.
- Maclurea*. See Winchell, N. H., &c.
- Maclurina*. See —.
- Mâcon (Saône-et-Loire). See Vaffier, A.
- Macrocephalites*. See Loriol, P. de; see Nœtling, F.
- Macrocheilus*. See Barnes, J., &c.
- Macrochilina*. See Beyer, E.; see Julien, A.
- Macrocrinus*. See Wachsmuth, C., &c.
- Macroodus*. See Frech, F.; see Törnquist, A.
- Macrontella*. See Winchell, N. H., &c.
- Macropneustes*. See Cotteau, G., &c.; see Koch, A.; see Bontscheff, S. (in Addendum).
- Macropneustes minor* Deposit, Ecos. See Canu, F.
- Macrostylocrinus*. See Wachsmuth, C., &c.
- Madagascar. See Suess, E.
- *Apyornis*. See Anon., 33.
- Dinosaurs. See Boule, M.
- Pleistocene Lemuroids. See Forsyth-Major, C. I.
- Madras Presidency. See Foote, R. B.
- Madrepora*. See Ogilvie, M. M.
- Madrid (Spain) Bolide. See Meunier, S.
- Madura (E.I.). See Verbeek, R. D. M., &c.
- Mæandræa*. See Ogilvie, M. M.
- Mæneceas*. See Frech, F.; see Gürich, G.
- Maenporth (Cornwall) Forest Beds. See Roberts, S.
- Magdalene Mts., New Mexico. See Herrick, C. L.
- Magdeburg (Germany) Devonian. See Wolterstorff, W.
- Magellan, Straits of. See Nordenskjöld, O.
- Magnas. See Becker, G. F.; see Browne, D. H.; see Dœlter, C.; see Johnston-Lavis, H. J.; see Etling, C. W. A.; see Teall, J. J. H.; see Vogt, J. H. L.
- Magnesite, Californian. See Crawford, J. J.
- Magnetic Iron Ore, Saxony. See Frenzel, A.
- Observations in Geological Mapping. See Smyth, H. L.
- Magnetism, Earth. See Chelius, C., &c.; see Tardy, C.
- , Rock. See Pockels, F.
- Magnetite. See Weiss, P.
- Belt at Cranberry (N. Car.). See Kimball, J. P.
- , British Columbia. See Kimball, J. P.
- Magnolia*. See Ettingshausen, C. von.
- Magothy Formation (Maryland). See Darton, N. H.
- Maich Water (Renfrew & Ayr). See McLennan, J. S.
- Maine (U.S.A.) Marine Clay Foraminifera. See Morton, F. S.
- Maira Valley (Piedmont). See Franchi, J.
- Majolica di Campora (Lombardy) Radiolarian Nodules. See Corti, B.
- Majorca (Balearic Is.), Caves. See Martel, E. A.
- Maladaia*. See Ehlert, D. P.
- Malargue, Sierra de (Argentina). See Steuer, A.
- Malay Peninsula. See Clifford, H.
- Malm, Jura. See Rollier, L.
- , Orographical Relations in the Jura. See Rollier, L.
- Mammalia, Algerian Quaternary. See Pomel, A.
- , Argentine Tertiary & Cretaceous. See Ameghino, F.
- , Cantal Miocene. See Boule, M.
- , Glacial. See Girod, P.
- , Hungarian Diluvial & Quaternary. See Koch, A.
- , Indiana Quaternary. See Ball, T. H.
- , Northern Glacial. See Aagaard, C. E.
- , Po Valley Quaternary. See Angelis d'Ossat, G.
- , Roman Tertiary. See Portis, A.
- , S. American Tertiary. See Ameghino, F.
- , White River Beds Tertiary. See Hatcher, J. B.
- , Yorkshire Quaternary. See Sheppard, T.
- Mammals, American Eocene. See Eocene; see Osborn, H. F.; see Wortman, J. L.
- , Distribution of. See Sclater, W. L.
- , — Marine. See Sclater, P. L.
- , Eocene. See Koch, A.; see Marsh, O. C.
- , Fossil. See Woodward, H., &c.
- , French Oligocene. See Boule, M.
- , Geography of. See Sclater, W. L.
- , Origin of European. See Scharff, R. F.
- , Piedmontese Quaternary. See Resetti, G. E.
- , Prehistoric. See Munro, R.
- , Roman Quaternary. See Meli, R.
- , Sardinian & French Miocene. See Shufeldt, R. W.
- , Swiss Pleistocene. See Nüesch, J., &c.; see Studer, T.
- , U.S. Tertiary. See Jesup, M. K.
- , Victoria (Aust.) Tertiary. See Hall, T. S., &c.
- Mammalian Remains, Corsica. See Depéret, C.

- Mammalian Remains (Jaroslav). *See* Doss, B.
 Mammoth. *See* Munro, R.
 —, Age & Original Habitat. *See* Koken, E.
 — Cave (Ky.). *See* Call, E.
 — Remains, Jaroslav (Russia). *See* Doss, B.
 —, Scandinavian & Schleswig Glacial Deposits. *See* Aagaard, C. E.
 Man. *See* Dubois, E.; *see* Harlé, E.; *see* Munro, R.
 — & Monkeys. *See* Manouvrier, L.
 —, Diluvial. *See* Deichmüller, J. V.
 —, E. London (Cape Colony), Antiquity of. *See* McKay, G. R.
 —, Glacial. *See* Girod, P.
 —, Méhaigne Caverns. *See* Fraipont, J., &c.
 —, Mentone. *See* Mansel-Pleydell, J. C.
 —, Monaco Cave. *See* Rivière, É.
 —, Ohio Drift. *See* Claypole, E. W.
 —, Palæolithic. *See* Evans, Sir J.; *see* Lasham, F.; *see* Reid, C.
 —, Plateau. *See* Cunningham, W.
 —, Pleistocene. *See* Nüesch, J., &c.
 —, Primeval. *See* Evans, Sir J.
 —, Tertiary. *See* Newton, E. T.
 Man, Isle of. *See* Isle of Man.
 Manchester & Lincoln Railway-Sections. *See* Fox-Strangways, C., &c.
 — Geological Society. *See* Stirrup, M.
 Manganese. *See* Day, D. T., &c.
 —, Californian. *See* Crawford, J. J.
 — Dendrites. *See* MacKay, A. H.
 — Deposits, Hunsrück. *See* Buchrucker, A.
 Manganio-Columbite. *See* Foote, H. W.
Mangilia. *See* Harris, G. F.
 Manicalland (S. Africa). *See* Bordeaux, A.
 Manziana (Rome). *See* Clerici, E.

MAPS.

WORLD.

Cambrian, Silurian, Devonian Continents. 1897. *See* Frech, F.

ARCTIC Regions. $\frac{1}{11,000,000}$. 1897. *See* Nansen, F.

AFRICA.

Africa. $\frac{1}{4,000,000}$. 1897. *See* Gibson, W.
 Egypt, Nubian Desert, 1 inch=16 miles. 1897. *See* Lyons, H. G.

Rhodesia. 1897. *See* Bordeaux, A.
 Transvaal. 1892, '93, '97. *See* Gibson, W.

— 1897. *See* Bordeaux, A.

— 1897. *See* Draper, D.

— (Southern). 1 inch=4 $\frac{1}{2}$ miles. 1897. *See* Hatch, F. H.

— Boksburg Coalfield. 1 inch=4800 Cape feet. 1897. *See* Hallimond, W. T.

AFRICA.

Transvaal. De Kaap District. 1897. *See* Krause, P. R.

— Sabie Valley. 1 ft.=30 miles.

— Venterskroon. 1 inch=4000 Cape rods. 1896. *See* Bunkell, H. B.

AMERICA (CENTRAL).

— (—). [Various.] 1897. *See* Sapper, K.

Mexico. 1897. *See* Aguilera, J. G., &c.; *see* Lake, P.

— Yucatan, Chiapas, Tabasco. 1896. *See* Sapper, C.

AMERICA (NORTH).

Alaska. 1896. *See* Reid, H. F.

— Glacier Bay. 1 inch=10 miles. 1896. *See* Cushing, H. P.

CANADA. *See* Dawson, G. M.

— Geological Survey. 585-587. Labrador Peninsula. 1 inch=25 miles. 1897. *See* Low, A. P.

— 590. Quebec Prov. 1 inch=4 miles. 1897. *See* Adams, F. D.

— 597. Athabasca Lake District. 1 inch=25 miles. 1897. *See* Tyrrell, J. B., &c.

— Hudson Bay (South of). 1 inch=11'83 miles. 1897. *See* Bell, R.

— New Brunswick. 1 inch=20 miles. 1897. *See* Matthew, G. F.

— Ottawa Co. 1897. *See* Dawson, Sir J. W.

— Sudbury (Ont.). 1 inch=7 $\frac{1}{2}$ miles. 1897. *See* Walker, T. L.

UNITED STATES. Appalachian (Southern) Corundum Region. 1897. *See* Head, J.; *see* Holmes, J. A.

— Arkansas. 1 inch=4 miles, & 1 inch=60 miles. 1896. *See* Branner, J. C.

— Little Rock. 1 inch=1 mile. 1897. *See* —.

— Saline Co. 1 inch=1 mile. 1897. *See* —.

— Red River & Clinton Monoclines. 1 inch=10 miles. 1897. *See* Newsom, J. F., &c.

— California. $\frac{1}{500,000}$. 1897. *See* Knochenhauer, B.

— Sierra Nevada. 1 inch=7.5 miles. 1897. *See* Lindgren, W.

— Colorado. 1896. *See* Gilbert, G. K.

— Connecticut, New Haven, &c. 1 inch=5000 feet 1897. *See* Hovey, E. A.

— Dakota, Black Hills. 1897. *See* Frazer, P.

— Florida. 1896. *See* Agassiz, A.

— Illinois. 1897. *See* Smith, J. P.

— Indiana (parts of). 1 inch=2 miles. 1897. *See* Blatchley, W. S.; *see* Færste, A. F.; *see* Hopkins, T. C., &c.

AMERICA (NORTH).

- UNITED STATES. Iowa. 1896. *See* Bain, H. F.; *see* Beyer, S. W.; *see* Calvin, S.; *see* Tilton, J. L.
- Iron & Coal Regions (various). 1896. *See* Day, D. T., &c.
- Lake Champlain (N. Y. & Vt.). 1896. *See* Brainerd, E., &c.
- Martha's Vineyard. 1897. *See* Woodworth, J. B.
- New York State. $\frac{1}{316,500}$. 1894. *See* McGee, W. J.
- (parts of). 1895. *See* Merrill, F. J. H., &c.
- (part of). 1 inch = $7\frac{1}{2}$ miles. 1896. *See* Darton, N. H.
- Mohawk Valley. 1896. *See* Darton, N. H.
- Seneca Co. 1896. *See* Lincoln, D. F.
- (W.). 1 inch = 25 miles. 1897. *See* Fairchild, H. Le R.
- Rhode Island, Newport Neck. 1 inch = 2 miles. 1897. *See* Crosby, W. O.
- Rocky Mts. 1897. *See* Suess, E.
- St. Paul City (Minn.). $\frac{7}{8}$ inch = 1 mile. 1897. *See* Upham, W.
- Eastern States. 1892-96. *See* Darton, N. H.
- Southern States. 1897. *See* Branner, J. C.
- Utah. Brown's Park. 1 inch = 14 miles. 1896. *See* Irving, J. D.

AMERICA (SOUTH).

- Bolivia, &c. $\frac{1}{3,000,000}$. 1897. *See* Stelzner, A. W.

ASIA.

- Asia (Central) and China. $\frac{1}{12,500,000}$. 1896. *See* Futterer, K.
- Afghán-Balúch. 1 inch = 40 miles. 1897. *See* Holland, T. H.
- Baluchistan-Afghan Frontier. 1 inch = 47.3 miles. 1897. *See* McMahon, C. A., &c.
- Cochinchina. Luang Prabang. $\frac{1}{60,000}$. 1897. *See* Counillon, —.
- India (N.W.). British Garwhal. Gohna Landslip. 1896. *See* Holland, T. H., &c.
- (—). Cutch. 1897. *See* Blake, J. F.
- (—). Hazara, &c. $\frac{1}{2}$ inch = 1 mile. 1896. *See* Middlemiss, C. S.
- (—). Naini Tal 10 inches = 1 mile. 1897. *See* Holland, T. H.
- Himalayas. 1897. *See* Suess, E.
- Madras & Bellary District. 1 inch = 1 mile. 1895. *See* Foote, R. B.
- Japan. Geological Survey. $\frac{1}{300,000}$. 1895-97. *See* Kochibe, T., &c.
- Ueda. $\frac{1}{150,000}$. 1897. *See* Yamasaki, N.
- Java, &c. 1896. *See* Verbeek, R. D. M., &c.

ASIA.

- Siberia. 1897. *See* Levat, E. D.
- Sumatra (N.). $\frac{1}{400,000}$. 1896. *See* Easton, N. W.

ASIA MINOR.

- Heraclea Coal Basin. $\frac{1}{40,000}$, &c. 1897. *See* Ralli, G.

AUSTRALASIA.

- NEW CALEDONIA. 1 inch = 23 miles. 1891. *See* Pelatan, L.
- NEW ZEALAND. Hauraki Goldfields. 1 inch = 2 miles. 1897. *See* Park, J.
- Tarawera District. 1895. 1 inch = 1 mile. 1897. *See* Cadell, H. M.
- Volcanic Zone & Hauraki Goldfields. 1 inch = 40 miles. 1897. *See* Cadell, H. M.
- PACIFIC (S.-W.). Balfour Shoal. 1897. *See* Murray, J.
- Funafuti. 1897. *See* Sollas, W. J.
- QUEENSLAND. 1 inch = 170 miles. 1897. *See* Fryar, W.
- S. AUSTRALIA (Northern Territory). 1897. *See* Brown, H. Y. L., &c.

TASMANIA.

- Mt. Bischoff. 1 inch = 1125 feet. 1897. *See* Kayser, H. W.

- VICTORIA. Bendigo Goldfields (various). 1897. *See* Dunn, E. J.
- Melbourne District. 1 inch = 4 miles. 1897. *See* Hall, T. S., &c.

EUROPE.

- Europe. 1897. *See* Scharff, R. F.
- Carte géologique internationale de l'Europe. $\frac{1}{1,500,000}$. A V., A VI., B V., B VI., C VI. 1896. *See* Beyrich, E., &c.

AUSTRIA (S.W.). Granite-Bosses.

- 2,000,000. 1897. *See* Salomon, W.
- Bohemia. 3. Bensen. $\frac{1}{25,000}$. 1897. *See* Hibsich, J. E.

AUSTRIA-HUNGARY. Laibach (Carniola) Earthquake (various). 1897. *See* Suess, F. E.

- Goldenstein (Moravia). $\frac{1}{75,000}$. 1897. *See* Kretschmer, F.

- Fruscagora (Hungary). $\frac{1}{100,000}$. 1896. *See* Koch, A.

- Kremnitz District. 1897. *See* Gesell, A.

BELGIUM. 1 inch = 37 kilom. 1897. *See* Dupont, É.

- $\frac{1}{60,000}$. 1897. *See* Rutot, A.

- Court-St.-Étienne (Brabant). $\frac{1}{40,000}$. 1897. *See* Goblet d'Alviella, E.

- Etterbeck & Tervueren (Brabant). 1897. *See* Forir, H., &c.

- Liège. 1 inch = 1 kilom. 1897. *See* Forir, H., &c.

- Odeigne (Luxemburg). 1896. *See* Gosselet, J.

- BULGARIA. E. Balkan. $\frac{1}{300,000}$. 1896. *See* Toula, F.

EUROPE.

- BULGARIA. Haskovo. $\frac{1}{125,000}$ 1896.
See Bontschev, S. (in Addendum).
- CORSICA. $\frac{1}{610,000}$ 1897. *See* Nentien, —.
- DENMARK. Earthquakes. 1896. *See* Hintze, W.
- FINLAND. (Two, General & Quaternary.) $\frac{1}{2,000,000}$. *See* Sederholm, J. J.
- (South). Quaternary Shore Lines of *Yoldia*- &c. Seas. $\frac{1}{400,000}$ 1896. *See* Berghell, H.
- (—). *Yoldia*-Sea. 1896. *See* Ramsay, W.
- FRANCE. Alpes-Maritimes. (Two.) 1896. *See* Bertrand, L.
- Coalfields, Extensions of. 1897. *See* Bergeron, J.
- French Lakes (various). 1897. *See* Delebecque, A.
- Aude. La Caunette. $\frac{1}{80,000}$ 1897. *See* Bernard, M.
- Goul Valley (Cantal). $\frac{1}{60,000}$ 1896. *See* Boule, M.
- Isère. Mt. Pelvoux. $\frac{1}{320,000}$ 1896. *See* Termier, P.
- Montbron (Charente). 1897. *See* Glangeaud, P.
- Morbihan. $\frac{1}{500,000}$ 1897. *See* Barrois, C.
- Provence. Allauch Massif, &c. $\frac{1}{80,000}$ 1896. *See* Fournier, E.
- Services de la Carte géologique. Carte géologique détaillée de la France. $\frac{1}{80,000}$. *See* Michel-Lévy A. (Directeur), &c.
31. Rouen (Seine Inférieure). 1897. Par G. Dollfus & A. de Lapparent.
71. Strasbourg (Bas-Rhin). 1897. Par C. Vélain.
104. St. Nazaire (Loire Inférieure). 1897. Par C. Barrois.
173. Tulle (Corrèze). 1897. Par G. Mouret.
231. Castres (Tarn). Par G. Vasseur, &c. 1897.
- GERMANY. Geologische Karte des deutschen Reichs. $\frac{1}{500,000}$
1. Schleswig. 2. Stralsund. 3. Rügenwalde. 4. Danzig. 5. Königsberg. 8. Schwerin. 9. Stettin. 10. Bromberg. 11. Allenstein. 15. Frankfurt am Oder. 16. Posen. 1897. *See* Lepsius, R.
- Lower Rhenian Period. $\frac{1}{5,000,000}$ 1897. *See* Lapparent, A. de.
- Alsace. Vosges. Raenthal. 1897. *See* Raisin, C. A.
- Alsace-Lorraine. $\frac{1}{500,000}$ 1892. *See* Benecke, E.
- Baden. Isten District. $\frac{1}{25,000}$ 1897. *See* Hug, O.

EUROPE.

- GERMANY. Bavaria. Geognostische Karte. $\frac{1}{100,000}$ 18. Speyer. 1897. *See* Ammon, L. von, &c.
- Harz. Buchenberg. $\frac{1}{95,000}$ 1896. *See* Koch, M.
- Hesse. Rhine Valley, Bingen. 1896. *See* Rothpletz, A.
- Prussia. Berlin. $\frac{1}{25,000}$ 1897. *See* Berendt, G.
- Silesian Earthquake, 1895. $\frac{1}{300,000}$ & $\frac{1}{800,000}$ 1897. *See* Dathe, E.
- Thuringia. Winterstein. $\frac{1}{50,000}$ 1896. *See* Scheibe, R.
- Westphalia. Dortmund. $\frac{1}{80,000}$ 1897. *See* Sievers, J.
- GREAT BRITAIN.
- BRITISH ISLANDS. 1 inch = 14 miles. 1897. *See* Johnstone, A.
- Ancient Volcanoes. 1897. *See* Geikie, Sir A.
- Irish Seas. 1896. *See* Herdman, W. A.
- England. 1897. *See* Scharff, R. F.
- England (S.E.). 1 inch = 19 miles. 1896. *See* Ward, L. F.
- Earthquakes in 1896. 1897. *See* Clark, J. E.
- ENGLAND AND WALES. Geological Survey Index Map. 1 inch = 4 miles. 1897. *See* Geikie, Sir A. (Director), &c.
1. Title.† 2. Northumberland.† 3. Index of Colours.† 4. Isle of Man.† 5. Lake District, Lancashire, &c. 6. Yorkshire Coast, &c.† 7. North Wales.† 9. Norfolk, Suffolk, &c.† 10. South Wales.† 11. West of England (Oxford, Gloucester, Bristol, &c.).† 13. Devon, Cornwall, &c.† 15. South Coast (Kent and Sussex).†
- 1 inch. 82 N.E. Worksop (Notts), &c. n. ed. 1897. *See* Gibson, W., &c.
- 1 inch. N.S. No. 263. Cardiff (Glamorgan) (Solid and Drift). 1897. *See* Strahan, A. No. 299. Winchester (Hants). 1896. *See* Whitaker, W., &c.
- Geological Survey Index Map. Vertical Sections.
81. Monmouthshire & Glamorganshire. 1896. *See* Strahan, A., &c.
82. Cheshire Salt & Brine-Shafts. 1 inch = 40 feet. 1897. *See* De Rance, C. E.
- Berks. Newbury. $1\frac{1}{2}$ inch = 2 miles. 1897. *See* Richards, E. P.

† Lithographed.

EUROPE.

- ENGLAND AND WALES. Cheshire, Northwich, & Winsford. 1 inch = 1 mile. 1892. See Cooke, J. H.
- Cotteswolds (Northern). 4 inches = 1 mile. 1897. See Buckman, S. S.
- Devon & Cornwall. 1 inch = 4 miles. 1896. See Hinde, G. J., &c.
- Dorset (part of). 1 inch = 4 miles. 1895. See Jukes-Browne, A. J.
- Glamorganshire. Cardiff. 1 inch = 4 miles. 1896. See Ballinger, J., &c.
- Hants. Havant & Bournemouth. 6 inches = 1 mile. 1897. See Thomson, T.
- Isle of Man. 1 inch = 4 miles. 1896. See Lamplugh, G. W.
- Isle of Wight. 1 inch = 3 miles. 1896. See Ward, L. F.
- Kent Coalfield. See Brady, F., &c.
- Lake District. 1 inch = 5 miles. 1897. See Postlethwaite, J.
- Lancashire. Liverpool. 1 inch = 1 mile. 1896. See Herdman, W. A., &c.
- Pembroke Earthquakes. 1 inch = 12 miles, & 1 inch = 40 miles. 1897. See Davison, C.
- Somerset (West). 1 inch = 2 miles. 1897. See Hicks, H., &c.
- Wales. Vale of Clwyd. 1 inch = 2 miles. 1897. See Reade, T. M.
- Wyre Forest Coalfield. 1 inch = 2 miles. 1895. See Cantrill, T. C.
- Yorkshire. Deepcar. 1 inch = 1466 feet. 1897. See Coultas, F.
- & Lincolnshire Wolds. 1 inch = 18 miles. 1897. See Stather, J. W.

IRELAND. 1 inch = 27 miles. 1897. See Kilroe, J. R.

— Ancient Volcanoes. 1897. See Geikie, Sir A.

— Waterford. Bunmahon Bay. 1897. See Reed, F. R. C.

SCOTLAND. Geological Survey 1 inch map.

75. Tomintoul (Banff). 1897. See Hinxman, L. W.

20. Killean (Argyll). 1896. See Symes, R. G., &c.

103. Golspie (Sutherland). 1896. See Woodward, H. B., &c.

— Ancient Volcanoes. 1897. See Geikie, Sir A.

— Argyllshire. 1896. See Bell, D., &c.

— Sauchieburn (Stirling). 3 inches = 1 mile. 1897. See Monckton, H. W.

EUROPE.

GREENLAND. Scoresby Sound. $\frac{1}{1,500,000}$. 1897. See Hartz, N., &c.

ICELAND (N.E.). $\frac{1}{1,600,000}$. 1896. See Keilhack, K.

ITALY. Apulia. Galatina. $\frac{1}{50,000}$. 1897. See Franchis, F. de.

— Campania. Phlegrean Fields (various). 1897. See Günther, R. T.

— Lombardy. Lecco & Resegone Massif. $\frac{1}{25,000}$. 1897. See Philippi, E.

— Piedmont. Mte. Fenera, near Borgosesia. $\frac{1}{25,000}$. 1897. See Resetti, G. E.

— Ivrea District. 1897. 1897. See Horn, F. R. van.

— Rome. Bracciano. See Moderni, R.

— Sacco. $\frac{1}{300,000}$. 1896. See Viola, C.

— Sardinia. Isle SanPietro. $\frac{1}{75,000}$. 1896. See Bertolio, S.

NORWAY.

Ekersund. $\frac{1}{400,000}$. 1896. See Kolderup, C. F.

Soggendal. $\frac{1}{50,000}$. 1896. See Kolderup, C. F.

RUSSIA. $\frac{1}{6,300,000}$. 1897. See Karpinski, A., &c.

— Caucasus. $\frac{1}{420,000}$. 1896. See Fournier, E.

— Mt. Elbruz, &c. 1897. See Karakash, N.

— Teberda & Tchshalta. 1 inch = 2 versts. 1896. See Mushketov, J. W.

— Comité géologique. $\frac{1}{425,000}$. 114. Astrakhan. 1896. See Mushketov, J.

— Crimea. Mt. Sharkha. 1897. See Golovkinski, N.

— Joltaia River (Kherson). 1 inch = 5 versts. 1897. See Sokolov, N.

— Kherson Gov. 1 inch = 20 versts. 1896. See Sokolov, N.

— Livonia. Pullandorf $\frac{1}{125,000}$ & Selting $\frac{1}{100,000}$. 1897. See Doss, B.

— St. Petersburg. 1 inch = 10 kilom. 1897. See Schmidt, F.

— Urals (Central). 1 inch = 4 versts. 1895. See Karnoschitzki, A.

— Mt. Blagodot (Perm). 1897. See Tchernyshev, T.

— (S.). 1897. See Tchernyshev, T.

— (S.). Kotchkar District. 1 inch = 1 kilom. 1897. See Wyssotski, N.

— Nijni-Tagilsk (Perm). 1897. See Tchernyshev, T.

EUROPE.

- RUMANIA. Geological Survey. 2 $\frac{1}{2}$ inches = 10,000 metres. Sheets
 1-38, 2-39, 5-42, 6-43. 1897.
 See Stefanescu, G., &c.
- SPAIN. Andalusia (N.). La Carolina & Sta Elena. $\frac{1}{80,000}$. 1897. See Wittelsbach, A. O.
 —. Balearic Is. 1897. See Nolan, H.
- SWEDEN. Jemtland. $\frac{1}{2,000,000}$. 1897. See Wiman, C.
 —. Kronoberg Earthquake Region. 1897. See Svedmark, E.
 —. Öland. $\frac{1}{1,000,000}$. 1897. See Hemmendorff, E.
- SWITZERLAND. Aare & Rhône Glacier Diluvium. $\frac{1}{1,000,000}$. 1896. See Baltzer, A.
 —. Bern. $\frac{1}{25,000}$ & $\frac{1}{1,000,000}$. 1896. See Baltzer, A.
 —. Bern Jungfrau Railway-District. $\frac{1}{50,000}$. 1897. See Guyer-Zeller, —.
 —. Grisons. Calanda. $\frac{1}{50,000}$. 1897. See Piperov, C.
 —. —. Schlans. $\frac{1}{50,000}$. 1896. See Wehrli, L.
- Maquoketa Series Nomenclature. See Sardeson, F. W.
 Marble, Auerbach. See Bauer, M.
 Marble Cave (Mo.). See Owen, L. A.
 Marcasite. See Lacroix, A.
 Marches (Italy) Earthquakes. See Tacchini, P.
 Marginella. See Harris, G. F.; see Martin, K.
 Margretelund (Sweden). See Nathorst, A. G.
 Mariacrinus. See Wachsmuth, C., &c.
 Marienburg (W. Prussia). See Jentzsch, A.
 Marine Erosion, British Is. See Stirrup, M.
 —. Fauna, Life-history of Fossil. See Walther, J.
 Mario, Mte. (near Rome). See Meli, R.
 Markings (Organic), Lake Superior Iron Ore. See Gresley, W. S.
 —. Problematic Fossil. See Fuchs, T.
 Marmot, Transylvanian Diluvial. See Koch, A.
 Marseille (Bouches-du-Rhône), Chaîne de l'Etoile, N. of. See Fournier, E.
 Marsupiocrinus. See Wachsmuth, C., &c.
 Martesia. See Woods, H.
 Martha's Vineyard (U.S.A.). See Woodworth, J. B.
 Martinia. See Gürich, G.; see Julien, A.
 Martite. See Card, G. W.
- Maryland (U.S.A.). See Darton, N. H.
 —. Cretaceous & Potomac Group. See Clark, W. B., &c.
 —. Potomac Plants. See Ward, L. F.
 Mascarene Is. (Indian Ocean), Fossil Birds. See Oustalet, E.
 Mashonaland (S. Africa). See Bordeaux, A.
 —. Minerals. See Redlich, K. A.
 Massetano (Tuscany). See Ristori, G.
 Mastodonsaurus. See Williston, S. W.
 Masuren (E. Prussia) Eroded Pebbles. See Keilhack, K.
 Matabeleland (S. Africa). See Bordeaux, A.
- MATHER, W. W. See Hitchcock, C. H.
 Matheria. See Winchell, N. H., &c.
 Mattawa Valley (Ont.). See Taylor, F. B.
 Mattes, Segregation. See Browne, D. H.
 Mauna Loa (Hawaii). See Guppy, H. B.
 Mauritius (Indian Ocean) Fossil Birds. See Oustalet, E.
 Mayenne (France). See Bigot, A.; see Ehlert, D. P.
 Maypole House Colliery (Lancs). See Caldwell, G.
 Mazodus. See Claypole, E. W.
 Meall Breac (Argyll) Granite. See Bell, D.
 Meaux (Seine-et-Marne). Dollfus, G. F.; see Janet, L.
 Mechanics of Glaciers. See Reid, H. F.
 Mediterranean. See Suess, E.
 Medusites. See Frech, F.
 MEEK, F. B. See White, C. A.
 Meekapora. See Simpson, G. B.
 Meerle (Antwerp). See Mourlon, M.
 Meerschaum. See Weinschenk, E.
 Megaladapis. See Forsyth-Major, C. I.
 Megalanteris. See Hall, J., &c.
 Megalaspis. See Frech, F.; see Kayser, E.; see Törnquist, S. L.
 Megastroma. See Dawson, Sir J. W.
 Megerlea. See Gallinek, E.
 Megistocrinus. See (Ehlert, D. P.); see Wachsmuth, C., &c.
 Meglonyx. See Mercer, H. C.
 Méhaigne Valley (Liège), Caverns. See Fraipont, J., &c.
 —. (—), Felspathic Tuffs. See Vallée Poussin, C. de la.
 Meikle Busbie (Ayr), Carboniferous Plants. See Smith, J.
 Meionornis. See Hutton, F. W.
 Melangena. See Wolf, W.
 Melania. See —.
 Melanopsis. See Hørnes, R.; see Wolf, W.
 Melaphyre. See Twelvetrees, W. H.
 Melbourne (Victoria), Silurian Crinoidea. See Bather, F. A.
 —. (—), Tertiaries. See Hall, T. S., &c.
 Meliponorytes. See Tosi, A.
 Melocrinus. See Wachsmuth, C., &c.
 Melosira. See Elmore, C. J.
 Melting-points of Minerals. See Cusack, R.
 Mende (Lozère). See Curie, J.

- Mentone (Alpes-Maritimes). See Mansel-Pleydell, J. C.
- Mercury, British Columbia. See Merritt, W. H.
- , Lombardy. See Kloos, J. H.
- , Rocheux. See Cesàro, G.
- , Tuscany. See Spirek, V.
- Meridion. See Elmore, J. C.
- Merista. See Frech, F.; see Hall, J., &c.
- Meristella. See —; —.
- Meristina. See Hall, J., &c.
- Meroplankton Fauna. See Walther, J.
- Merseburg (Prussia) Railway Sections. See Keilhack, K.
- Mersey River. See Nares, Sir G. S.
- to the Severn, Excursion. See Barr, W. B.
- Merstham (Surrey). See Hinde, G. J., &c.
- Mesoneuron. See Solms - Laubach, Count H.
- Mesopotamian Petroleum - Field. See Maunsell, F. R.
- Mesotype. See Lacroix, A.
- Mesozoic Fishes. See Woodward, A. S.
- Flora, Arctic. See Nathorst, A. G.
- , French. See Kilian, W.
- Reptilia. See Woodward, A. S.
- Metabrushite. See Lacroix, A.
- Metacrinus. See Wachsmuth, C., &c.
- Metamorphic Rocks, Anglesey. See Callaway, C.
- , Scandinavian. See Törnebohm, A. E.
- Metamorphism, Contact. See Viola, C.
- , Dartmoor. See Busz, K.
- Metaplasia. See Frech, F.
- Meteorites. See Card, G. W.; see Cohen, E.; see Derby, O. C.; see Eastman, J. R.; see Farrington, O. C.; see Foote, W. M.; see Harvey, A.; see Laspeyres, H.; see Löwinson-Lessing, F.; see Meunier, S.; see Newton, H. A.; see Rinne, F.; see Winchell, N. H.; see Wülfing, E. A.
- , American Nat. Hist. Museum (N.Y.). See Hovey, E. O.
- , Bonn University. See Laspeyres, H.
- Metriophyllum. See Gürich, G.
- Metz (Lorraine). See Nicklès, R.
- Metzendorf (Württemberg). See Fraas, E.
- Meudon (Seine-et-Oise). See Priem, F.
- Meuse River (France, &c.). See Davis, W. M.
- (Namur). See Malaise, C.
- Mexico. See Aguilera, J. G., &c.; see Bain, H. F.; see Felix, J., &c.; see Lake, P.; see Sapper, C.
- , Eruptive Rocks. See Farrington, O. C.
- , Meteorites. See Eastman, J. R.
- , 'Sheetflood' Erosion. See McGee, W. J.
- Meymac (Corrèze) Tin. See Burthe, P. L.
- Miass (S. Urals). See Arzruni, A.
- Mica, Three Rock Mountain. See Hartley, W. N.; see O'Reilly, J. P.
- , U. S. A. See Day, D. T., &c.
- Micaceous Gneiss - Weathering. See Merrill, G. P.
- Michigan (U.S.A.) Beaches. See Taylor, F. B.
- , Faulting in Glacial Gravel. See Henrich, C.
- , Pre-Glacial Drainage. See Mudge, E. H.
- Microaster. See Schlüter, C.
- Micrococcus. See Renault, R.
- Microdiscus. See Beecher, C. E.; see Frech, F.; see Matthew, G. F.
- Microlites. See Foote, H. W.; see Holmquist, P. J.
- Micropegmatite, S. India. See Holland, T. H.
- Microscopic Structure of Lithographer's Stones. See Berwerth, F.
- Microsolena. See Ogilvie, M. M.
- Middelburg (Transvaal). See Shepherd, P. G.
- (—) Coalfields. See Lloyd, H.
- Middlesex Gravels. See White, H. J. O.
- Middletonite. See Smith, J.
- Midland Coalfield. See Dunston, G.; see Hull, E.
- Counties, Chalky Boulder Clay, &c. See Woodward, H. B.
- Palæozoic Rocks. See Anon., 22.
- Mijanès (Ariège). See Roussel, C.
- Milan (Lombardy) Eocene. See Salmajraghi, F.
- Miliolina. See Morton, F. S.
- Millericrinus. See Bather, F. A.; see Wachsmuth, C., &c.
- Millstone Grit Fauna. See Barnes, J., &c.; see Bolton, H.
- Mimetsite. See Katzer, F.
- Minas Geraes (Brazil) Cinnabar. See Hussak, E.
- (—), Pseudomorphs. See Pöhlmann, R.
- Mineral Deposits. See Höfer, H.
- in Fumarole at Auchenharvie Castle. See Smith, J.
- Resources, U.S.A. See Day, D. T., &c.
- Veins. See Fairbanks, H. W.; see Power, F. D.
- Water, California. See Crawford, J. J.
- , Caucasus. See Rugévich, K.
- , Dorset. See Groves, T. B.
- , Hönningen. See Heusler, —.
- , Louisville. See Bailey, E. H. S.
- , U.S.A. See Day, D. T., &c.
- , Wiesbaden. See Fresenius, C. R., &c.
- Mineralogical Apparatus. See Laspeyres, H.; see Stöber, F.
- Museum, St. Petersburg University. See Inostrantzev, A. A.

- Mineralogy. *See* Hintze, C.; *see* Zirkel, F.
 — at the Belgian Academy. *See* Dewalque, G.
 Minerals. *See* Gaubert, P.; *see* Weisbach, A.
 —, Algerian Volcanic. *See* Gentil, L.
 — & Röntgen Rays. *See* Doelter, C.
 —, Arsenical. *See* Mügge, O.; *see* Rammelsberg, C.
 —, Artificial. *See* Stöber, F.
 —, — Production. *See* Penfield, S. L.; *see* Schulten, A. de.
 —, Binnen Valley. *See* Baumhauer, H.
 —, Bohemian. *See* Katzer, F.
 —, Borax Lake. *See* Pratt, J. H.
 —, British Is. *See* Johnstone, A.
 —, Broken Hill. *See* Card, G. W.; *see* Hlawatch, C.; *see* Marsh, C. W.
 —, Colours of. *See* Weinschenk, E.
 — in Cimina Erratic Block. *See* Fantappiè, L.
 — Determination. *See* Richards, J. W.
 —, Diamond Matrix. *See* Lewis, H. C.
 —, Gaseous Constituents. *See* Ramsay, W., &c.; *see* Tilden, W. A.
 —, Hardness. *See* Jaggar, T. A.; *see* Rosiwal, A.
 — in Thin Sections. *See* Wallerant, F.
 —, Melting-Points of. *See* Brauns, R.; *see* Cusack, R.
 —, N.S.W. *See* Card, G. W.; *see* Coghlan, T. A.
 —, Northern N.Y. *See* Smith, C. H., Jun.
 — of Victoria (Aust.). *See* Atkinson, J. A.
 —, Ontario. *See* Grant, C. C.
 —, Optical Properties. *See* Crystallography.
 —, Separation of those of High Sp. Gr. *See* Penfield, S. L.
 —, Stromboli. *See* Bergeat, A.
 —, Styria. *See* Frenzel, A.
 —, Switzerland. *See* Robert, W.
 —, Syntheses. *See* Doelter, C.; *see* Schmutz, K. B.
 —, Tuscany. *See* Achiardi, G. d'.
 — used as Pigments, U.S.A. *See* Day, D. T., &c.
 Mines, Great Britain & Ireland. *See* Atkinson, J. B., &c.
 —, N. Wales. *See* Foster, C. Le N.
 Mining Geology. *See* Cruz, E.
 — & Geology. *See* Pošepný, F.
 — Industries, Russian. *See* Davidson, E.
 Minnesota (U.S.A.). *See* Winchell, N. H., &c.
 — Lakes. *See* Grant, U. S.
 —, Silurian Fauna. *See* Winchell, N. H., &c.
 Miocene Age of Conglomerate, Shelford. *See* Dennant, J., &c.
 —, Auriferous Gravels & Flora, Sierra Nevada (Cal.). *See* Lindgren, W., &c.
 — Basin, Sommières. *See* Roman, F.
 — Beds, Vigoleno. *See* Simonelli, E.
 — Birds & Mammals, Sardinia & France. *See* Shufeldt, R. W.
 —, Black Sea. *See* Nikitin, S.
 —, Como District. *See* Corti, B.
 — Corals, Piedmont. *See* Osasco, E.
 — Dinocerata, Dakota. *See* Marsh, O. C.
 — Fauna, San Severino. *See* Angelis d'Ossat, G. de, &c.
 —, Tasmania. *See* Pritchard, G. B.
 —, —, Wyoming. *See* Riggs, E. S.; *see* Stewart, A.
 — Gasteropoda. *See* Hørnes, R.
 — Insectivora, France. *See* Gaillard, C.
 — Land-Snails, Florida. *See* Pilsbry, H. A.
 — Lignite, Massetano. *See* Ristori, G.
 — Mammalia, France. *See* Boule, M.; *see* Depéret, C.
 —, Montpellier. *See* Roman, F.
 — near Grosseto. *See* Novarese, V.
 —, Pierre-Longue, near Avignon. *See* Depéret, C.
 — Reptilia. *See* Marsh, O. C.
 —, White River Beds Carnivora. *See* Stewart, A.
 Mississippi (U.S.A.). *See* Branner, J. C.
 — (Lower). *See* Gannett, H.
 — (Upper) Lower Silurian. *See* Winchell, N. H., &c.
 — Valley (Upper). *See* Hershey, O. H.
 — (—), Devonian & Carboniferous. *See* Keyes, C. R.
 Missouri (U.S.A.) Coal. *See* White, D.
 —, Native Iron in Coal Measures. *See* Allen, E. T.
Mistechinus. *See* Loriol, P. de.
 'Mistpoeffers.' *See* Van den Broeck, E.
Mitoclema. *See* Simpson, G. B.
Mitra. *See* Cossmann, M.; *see* Harris, G. F.; *see* Martin, K.
Moa. *See* Hutton, F. W.
 Modave (Liège). *See* Lohest, M., &c.
Modiola. *See* Hilber, V.; *see* Julien, A.; *see* Kœnen, A. von; *see* Peron, A.; *see* Törnquist, A.; *see* Wolff, W.; *see* Wollemann, A.; *see* Woods, H.
Modiolodon. *See* Winchell, N. H., &c.
Modiolopsis. *See* —.
Modiomorpha. *See* Frech, F.; *see* Ehlerlert, D. P.
 Mohawk Valley (N.Y.). *See* Darton, N. H.
Mohrensternia. *See* Hilber, V.
Mojsvárites. *See* Mojsisovics, E. von.
 Molasse, Bavarian Oligocene. *See* Wolff, W.
 —, Jura (French). *See* Rollier, L.
Mollia. *See* Simpson, G. B.

- Mollusca. *See also* Cephalopoda, Gastropoda, &c.
- , Arctic Tertiary Marine. *See* Nathorst, A. G.
- , Australian Tertiary. *See* Harris, G. F.
- , Conrad's Publication Dates. *See* Dall, W. H.
- , Chalk Rock. *See* Woods, H.
- , English Cave. *See* Kennard, A. S.
- , Essex Post-Pliocene. *See* Kennard, A. S., &c.
- , Fossil. *See* Woodward, H., &c.
- , Oligocene. *See* Wolff, W.
- , Portland Raised Beach. *See* Sykes, E. B.
- , Rhodes Levantine. *See* Bukowski, G. von.
- , Tunisian Cretaceous. *See* Peron, A.
- Moluccas (E. Indies). *See* Martin, K.
- (—) Volcanoes. *See* Wichmann, A.
- Monaco, Caves. *See* Rivière, É.
- Monaro Gap (N.S.W.). *See* Kitson, A. E.
- Monazite. *See* Lindgren, W.; *see* Schützenberger, —.
- Sands. *See* Urbain, G., &c.
- Monchiquite. *See* Prior, G. T.; *see* Sahlbom, N.
- Mondego (Beira). *See* Choffat, P.
- Mongolia (Asia). *See* Rockhill, W. W.
- Monkeys. *See* Dubois, E.
- , Fossil. *See* Ameghino, F.; *see* Dubois, E.; *see* Pohlig, H.
- & Man. *See* Manouvrier, L.
- Monmouthshire. *See* Strahan, A., &c.
- Monoclimacis*. *See* Frech, F.
- Monodorospermum*. *See* Warburg, O.
- Monograptus*. *See* Frech, F.; *see* Girty, G. H.; *see* Gürich, G.; *see* Perner, J.; *see* Törnquist, S. L.
- Monomerella*. *See* Hall, J., &c.
- Monongahela River (U.S.A.) High Terrace Deposits. *See* White, I. C.
- Monophora*. *See* Lahille, F.
- Monostylus*. *See* Cayeux, L.
- Monotis*. *See* Steinmann, G., & K. Gerhardt.
- Monotrypa*. *See* Simpson, G. B.
- Monotrypella*. *See* —.
- Mons (Var). *See* Guéghard, A.
- Mont-Blanc Massif (Savoy). *See* Duparc, L.; *see* Gräff, F.; *see* Holden, E. S.; *see* Ritter, É.
- Mont-d'Or (Rhône) Jurassic. *See* Riche, A.
- Mont-Falaise Cave (Namur). *See* Fraipont, J.
- Mont Genève (Hautes-Alpes). *See* Kilian, W.
- Joly (Savoy). *See* Ritter, E.
- Montagne des Cornes *Hippurites*-Beds, Corbières. *See* Toucas, A.
- Montagne Noire (S. France). *See* Bergeron, J.; *see* Depéret, C.; *see* Nicklès, R.
- Montana (U.S.A.) Corundum. *See* Pirs-son, L. V.
- Sapphires. *See* Kunz, G. F.; *see* Pratt, J. H.
- Montauban (Tarn-et-Garonne). *See* Blayac, J.; *see* Fournier, E.; *see* Répelin, J.
- Montbron (Charente). *See* Glangeaud, P.
- Monte Amiata (Tuscany). *See* Spirek, V.
- Baldo (Verona). *See* Gümbel, C. W. von, &c.
- Calvi (Tuscany). *See* Fucini, A.
- Catini (Tuscany). *See* Achiardi, G. d'.
- Circeo (Rome). *See* Viola, C.
- Fenera (Piedmont). *See* Rosetti, G. E.
- Guglielmo (Lombardy). *See* Vigo, G.
- Postale (Vicentino). *See* Vinassa de Regny, P. E.
- Serra (Italy). *See* Canavari, M.
- Montebras (Creuse). *See* Carnot, A.
- Montgomery Co. (N.Y.). *See* Darton, N. H.
- Monti di Gaeta (Campania). *See* Cassetti, M.
- Monti Ernici (Rome). *See* Viola, C.
- Monticulipora*. *See* Julien, A.; *see* Simpson, G. B.
- Montivallia*. *See* Gallinek, E.; *see* Ogilvie, M. M.
- Montpellier (Hérault) Tertiaries. *See* Roman, F.; *see* Rouville, P. de, &c.
- Montreal (Canada). *See* Dresser, J. A.
- Monzoni (Tyrol). *See* Salomon, W.
- Monzonite. *See* Kolderup, C. F.
- Moon. *See* Gilbert, G. K.; *see* Puiseux, P.
- Mooraboo Valley (Victoria). *See* Hall, T. S., &c.
- Moorea*. *See* Winchell, N. H., &c.
- Moose. *See* Potonié, H.
- Moraines. *See* Upham, W.
- , Danish. *See* Andersson, F.
- , Glen Fruin. *See* Renwick, J.
- , N. German. *See* Keilback, K.
- of Recession. *See* Taylor, F. B.
- , Sweden. *See* Geer, G. de.
- Moravia (Austria) Graphite. *See* Kretschmer, F.
- , 'Hornblende-gneiss.' *See* John, C. von.
- , Igneous Rocks. *See* Suess, F. E.
- , Old Tertiary Carpathian Fauna. *See* Rzehak, A.
- Morbihan (Britanny). *See* Barrois, C.
- Morbraz, Gulf of (Britanny). *See* Barrois, C.
- Morgantown (W. Va.) Quaternary Plants. *See* Knowlton, F. H.
- Moriah (N.Y.). *See* Merrill, F. J. H., &c.
- Morosaurus*. *See* Marsh, O. C.
- Morotherium*. *See* —.
- Morphippus*. *See* Ameghino, F.

- Morte Slates. *See* Gregory, J. W.;
see Hicks, H.; *see* Stephens, F. J.
- Mortirollo Valley (Lombardy). *See*
 Salomon, W.
- Mortoniceras*. *See* Steinmann, G., &
 K. Gerhardt.
- Mosasauridæ, Cretaceous. *See* Leon-
 hard, R.; *see* Thévenin, A.
- Mosasaurus*. *See* Thévenin, A.; *see*
 Ubahgs, C.; *see* Williston, S. W.
- Moscow (Russia). *See* Nikitin, S.; *see*
 Sokolov, N., &c.
- (—) Coal Basin. *See* Anon., 21.
- Moselle River (France, &c.). *See* Davis,
 W. M.
- Mount Edgecumbe (Alaska). *See* Cush-
 ing, H. P.
- Hope (N. J.). *See* Putnam, B. R.
- Kosciusko (N.S.W.). *See* Jaquet,
 J. B.
- Tarawera (N.Z.). *See* Cadell, H. M.
- Mountain Building. *See* Hergesell, H.;
see Sacco, F.
- Chains, Europe. *See* Suess, E.
- Mountains. *See* Lobley, J. L.; *see*
 Meunier, S.; *see* Suess, E.
- , America & Europe. *See* Holden,
 E. S.
- Mourlonia*. *See* Brown, H. Y. L., &c.
- Moustiers Ste.-Marie (Basses-Alpes).
See Kilian, W., &c.
- Mouthe Cave (Dordogne). *See* Anon., 34.
- Mud Enclosures, New England. *See*
 Emerson, B. K.
- Flats. *See* Shore, T. W.
- Volcanoes, Tipperah. *See* Anon.,
 45.
- —, Caspian Region. *See*
 Sjögren, H.
- Muddy Creek (Victoria). *See* Harris,
 G. F.
- Muirkirk (Ayr). *See* Smith, J.
- Mull (Hebrides) Tachylyte. *See* Heddle,
 M. F.
- Mungo (Cameroons). *See* Kœnen, A.
 von.
- Munkforsite. *See* Gaubert, P.; *see*
 Igelström, L. J.
- Munkrudite. *See* Igelström, L. J.
- MURCHISON, Sir R. I. *See* Chambers,
 T. G.
- Murchisonæ*. *See* Reed, F. R. C.
- Murex*. *See* Harris, G. F.; *see* Martin,
 K.; *see* Meli, R.; *see* Wolff, W.
- Muricidea*. *See* Harris, G. F.
- Mus*. *See* Nüesch, J., &c.
- Muschelkalk Cephalopoda. *See* Hauer,
 F. von.
- , Dalmatia. *See* Bukowski, G. von.
- , Lombardy & Württemberg. *See*
 Philippi, E.
- , Silesia. *See* Volz, W.
- Mustela*. *See* Koch, A.; *see* Nüesch,
 J., &c.
- Mutiella*. *See* Leonhard, R.
- Myalina*. *See* Barnes, J., &c.; *see*
 Törnquist, A.
- Mylobates*. *See* Carraroli, A.
- Myodes*. *See* Nüesch, J., &c.
- Myophoria*. *See* Frech, F.
- Myoxus*. *See* Nüesch, J., &c.
- Myrica*. *See* Ettingshausen, C. von;
see Paolucci, L.
- Myrmecium*. *See* Zeise, O.
- Myrtillocrinus*. *See* Wachsmuth, C.,
 &c.
- Myrtus*. *See* Paolucci, L.
- Mythen (Uri). *See* Schmidt, C.
- Mytilus*. *See* Bontschev, S. (in Adden-
 dum); *see* Wolff, W.
- Myvatn (Iceland). *See* Eichmüller, G.
- Nagelfluh, French Jura. *See* Rollier, L.
- Nagy-Halmágy (Hungary). *See* Pethő,
 J.
- Nahe Valley (Rhenish Prussia). *See*
 Heusler —; *see* Leppla, A.
- Naini Tal (N.W. India). *See* Holland,
 T. H.
- Nais*. *See* Wesenberg-Lund, C.
- Namur Basin (Belgium). *See* Dorlodot,
 H. de.
- Nanine (Namur) Conglomerate. *See*
 Dorlodot, H. de.
- Nanno*. *See* Winchell, N. H., &c.
- Nantua (Ain). *See* Riche, A.
- Nantucket (Mass.). *See* Hollick, A.
- Naours (Somme). *See* Danicourt, —.
- Napier (N.Z.). *See* Hill, H.
- Naples (Italy), Phlegræan Fields. *See*
 Günther, R. T.
- Narragansett Basin (Mass.). *See* Fuller,
 M. L.
- Nassa*. *See* Harris, G. F.; *see* Martin,
 K.; *see* Wolff, W.
- Natica*. *See* Cossmann, M.; *see* Harris,
 G. F.; *see* Peron, A.; *see* Wolff, W.
- Naticella*. *See* Lorenzo, G. de.
- Naticopsis*. *See* Barnes, J., &c.; *see*
 Bolton, H.; *see* Julien, A.; *see* Kay-
 ser, E.; *see* Lorenzo, G. de.
- Native Iron in Missouri Coal Measures.
See Allen, E. T.
- Natrolite (Mesotype). *See* Lacroix, A.
- Natural Gas, U.S.A. *See* Bailey, E. H.
 S.; *see* Crawford, J. J.; *see* Day, D.
 T.; *see* Leach, J. C.; *see* Mabery, C. F.;
see Peckham, S. F.; *see* Phillips, F. C.;
see Sattler, S. P.
- Naulette Jaw, Lesse Valley. *See*
 Munro, R.
- Nautilidæ. *See* Foord, A. H.
- Nautilus*. *See* Crick, G. C.; *see* Foord,
 A. H., &c.; *see* Hauer, F. von; *see*
 Julien, A.; *see* Kossmat, F.; *see*
 Lorenzo, G. de; *see* Mojsisovics, E.
 von; *see* Netling, F.; *see* Parona, C.
 F., &c.; *see* Steuer, A.
- Navarre (Spain). *See* Palacios, P.
- Navicula*. *See* Card, G. W., &c.; *see*
 Elmore, C. J.; *see* Östrup, E.
- Nayadina*. *See* Peron, A.
- Næra*. *See* Canavari, M.; *see* Stein-
 mann, G., &c.; *see* Wolff, W.
- Neanderthal (Rhenish Prussia) Man.
See Munro, R.

- Nebraska (U.S.A.). *See* Barbour, E. H.
 —, *Dæmonelix*. *See* —.
 —, Diatoms. *See* —; *see* Elmore, C. J.
 —, Palæozoic. *See* Prosser, C. S.
 Nekton. *See* Walther, J.
Nemaclada. *See* Smith, J.
 Nematite. *See* Mallet, F. R.
Nemaplana. *See* Smith, J.
Nemataxis. *See* Simpson, G. B.
Nematophyton. *See* Penhallow, D. P.
Nematopora. *See* Simpson, G. B.
 Nemi, Lake (Rome). *See* Clerici, E.
Neobolus. *See* Frech, F.
 Neocene, Kansas. *See* Cragin, F. W.
 Neocomian Crinoid, Isère. *See* Loriol, P. de.
 —, Knapton. *See* Lamplugh, G. W.
 —, Lower Austria. *See* Paul, C. M.
 —, Moustiers-Ste.-Marie. *See* Kilian, W., &c.
 —, Ste.-Croix. *See* Schardt, H.
 —, U.S.A. *See* Marcou, J.
 Neogene Corals. *See* Simonelli, V.
 — Echinodermata. *See* Vinassa de Regny, P. E.
 —, S. Russia. *See* Andrussov, N.
 Neolithic Deposits, Newbury. *See* Richards, E. P.
 — Find near Schaffhausen. *See* Nüesch, J., &c.
 — Kitchen-midden, Dorset. *See* Reid, C.
 — Man. *See* Munro, R.
Neolobites. *See* Peron, A.
Neoptychites. *See* Kœnen, A. von; *see* Peron, A.
 Nepheline, near Darmstadt. *See* Chelius, C.
 Nepheline-syenite, Alnö. *See* Sahlbom, N.
 Nephelinite. *See* —.
Nepheles. *See* Wesenberg-Lund, C.
 Nerike Peat Moor (Svealand). *See* Kjellmark, K.
Nerinaa. *See* Böhm, G.; *see* Kossmat, F.; *see* Levi, G.; *see* Peron, A.
Nerita. *See* Kœnen, A. von; *see* Peron, A.; *see* Vinassa de Regny, P. E.
Neritina. *See* Bukowski, G. von; *see* Steinmann, G.; *see* Wolff, W.
Neritopsis. *See* Cossmann, M.; *see* Lorenzo, G. de; *see* Vinassa de Regny, P. E.
 Netherseal Colliery (Leicester). *See* Binns, G. J., &c.
 — Borings. *See* —; *see* Fox-Strangways, C.; *see* Watts, W. W.
 Nettuno (Rome). *See* Meli, R.
 Neu-Straschitz (Bohemia). *See* Želízko, J. V.
 Neudamm (Brandenburg). *See* Wölfer, T.
 Neuffen (Württemberg). *See* Branco, W.
 Neuquen (Argentina) Mesozoic Crocodiles. *See* Woodward, A. S.
 Neva Valley (Liguria). *See* Rovereto, G.
 New Albany (Ind.). *See* Duden, H.
Newberria. *See* Hall, J., &c.
 New Brunswick (Canada). *See* Ganong, W. F.; *see* Kain, S. W.; *see* Matthew, G. F.; *see* Matthew, W. D.
 Newbury (Berks) Gravels, &c. *See* Richards, E. P.
 New Caledonia. *See* Pelatan, L.
 New England (U.S.A.), S.W. *See* Hobbs, W. H.
 —, Volcanic Rocks. *See* Emerson, B. K.
 Newfoundland. *See* Weston, T. C.
 — Mineral Wealth. *See* Anon., 13.
 — *Paradoxides*-Beds. *See* Matthew, G. F.
 New Granada. *See* Colombia.
 New Haven (Conn.). *See* Hovey, E. A.
 New Jersey (U.S.A.), Cretaceous. *See* Clark, W. B., &c.
 —, Mount Hope Iron & Copper Ores. *See* Putnam, B. R.
 —, Newark System. *See* Kummel, H. B.
 —, White Limestone. *See* Wolf, J. E.
 New Mexico (U.S.A.), Gold & Lead. *See* Herrick, C. L.
 New Monkland (Lanark) Coal. *See* Prentice, J.
 Newport Neck (Rh. Isl.). *See* Crosby, W. O.
 New South Wales. *See* Coghlan, T. A.; *see* David, T. W. E.; *see* Etheridge, R., Jun.; *see* Grimshaw, J. W.; *see* McLachlan, D. C., &c.; *see* Pittman, E. F.; *see* Slee, W. H. J.
 — Caves. *See* David, T. W. E.; *see* Leigh, W. S.
 —, Coalfields. *See* Bertrand, C. E.
 —, Copper. *See* Jaquet, J. B.
 —, Devonian Plant-Beds. *See* Dun, W. S.
 —, Diatomaceous Earth. *See* Card, G. W.
 —, Eruptive Rocks. *See* David, T. W. E.
 —, Goldfields. *See* Carne, J. E.; *see* Jaquet, J. B.
 —, Kerosene Shales. *See* Bertrand, C. E.
 —, Meteorites. *See* Card, G. W.
 —, Minerals. *See* —.
 —, Northern Beaches Gold. *See* Munro, D. W.
 —, Precious Stones. *See* Curran, J. M.
 —, Silurian Fossils. *See* Etheridge, R., Jun., &c.
 New York. *See* Brigham, A. P.; *see* Darton, N. H.; *see* Fairchild, H. L.; *see* Gilbert, G. K.; *see* Hall, J., &c.; *see* Kemp, J. F.; *see* Lincoln, D. F.; *see* Merrill, F. J. H., &c.; *see* Niles,

- W. H.; see Rice, W. N., &c.; see Ries, H.
- New York, Current Action in Ordovician. See Ruedemann, R.
- , Eastern. See Dale, T. N.
- , Geological Survey. See Hall, J., &c.; see McGee, W. J.
- , Glaciation. See Fairchild, H. L.
- , Lower Helderberg Fauna. See Girty, G. H.
- , Lower Silurian. See Winchell, N. H., &c.
- , Mineral Resources. See Merrill, F. J. H., &c.
- , Minerals of Northern. See Smith, C. H., Jun.
- , Mohawk Valley. See Darton, N. H.
- , Museum of Nat. Hist. See Jesup, M. K.
- , Oneonta & Chemung Formations. See Darton, N. H.
- , Palæozoic Fauna. See Hall, J., &c.; see Girty, G. H.; see Ruedemann, R.; see Simpson, G. B.
- , Seneca Co. See Lincoln, D. F.
- New Zealand, Artesian Water. See Hill, H.
- , Auriferous Gravel. See Thornley, E. M.
- , — Lodes. See Don, J. R.
- , Birds. See Hutton, F. W.
- , Coast Line. See Maxwell, C. F.
- , Goldfields. See Campbell, J.; see Park, J.; see Wauchope, J. A.
- , Mineral Resources. See Coghlan, T. A.
- , North Island. See Cadell, H. M.
- Nichet Cave (Ardennes). See Hanotel, —.
- Nicholsonella*. See Day, D. T., &c.
- Nickel. See —.
- , Canadian. See Hoffmann, G. C.; see Walker, T. L.
- Niederrödern (Saxony). See Deichmüller, J. V.
- Nièvre (France). See Lefort, F.
- Nijni-Novgorod (Russia). See Stucken-berg, A.
- Nijni-Tagilsk (Perm). See Tchernyshev, T., &c.
- (—) Platinum District. See Anon., 3.
- Nikolsburg (Moravia). See Tausch, L. von.
- Nile Delta (Egypt) Boring Operations. See Judd, J. W.
- Valley (Egypt). See Hull, E.
- Nileus*. See Winchell, N. H., &c.
- Nilgiri Hills (India). See Holland, T. H.
- Nilssonia*. See Nathorst, A. G.
- Nimes (Gard) Tongrian. See Caziot —.
- Nimravus*. See Adams, G. I.
- Niobe*. See Frech, F.
- Niobrara Cretaceous Crustacea, Kansas. See Logan, W. N.
- Niort (Deux Sèvres). See Welsch, J.
- Nipa*. See Reid, C.
- Nitrates. See Walker, W. S.
- , Chile, &c. See Herrmann, A.; see Plagemann, A.; see Stüven, E.
- Nizzardo (Liguria). See Parona, C. F., &c.
- Nodosaria*. See Burrows, H. W., &c.; see Fornasini, C.; see Morton, F. S.
- Nodosaurus*. See Marsh, O. C.
- Nodosus*-Limestone Concretions, near Heidelberg. See Kehrer, F. A.
- Nöggerathopsis*. See Seward, A. C.
- Nomenclature, Geological. See Howarth, Sir H. H.
- , Precambrian. See Sederholm, J. J.
- , U.S.A. Lower Silurian. See Sardenon, F. W.
- Nonionina*. See Fornasini, C.; see Morton, F. S.
- Nord (France) Quaternaries. See Hérent, J.; see Ladrière, —.
- Norden (E. Friesland). See Ebert, T.
- Norfolk. See Geikie, Sir A., &c.
- , Glacial Bibliography. See Harrison, W. J.
- Norham (Northumberland). See Gunn, W.
- Norite. See Kolderup, C. F.
- Dykes, India. See Holland, T. H.
- Noritic Rocks, Ivrea. See Horn, F. R. van.
- Normandy (France). See Dollfus, G.
- , Cenomanian. See Jukes-Browne, A. J., &c.
- , Jurassic Reptilia. See Bigot, A.
- , Pleistocene. See —.
- Norrbottens Län (Sweden) Copper. See Petersson, W.
- Northamptonshire, Pre-glacial Valleys. See Thompson, B.
- , Northern (N.S.W.). See Bertrand, C. E.
- Northumberland. See Geikie, Sir A., &c.; see Gunn, W.
- Northupite. See Penfield, S. L., &c.; see Pratt, J. H.
- Northwich (Cheshire). See Cooke, J. H.; see Ward, T.
- Norway. See Richter, E.
- , Copper. See Vogt, J. H. L.
- , Geology & Glaciation. See Hull, E.; see Upton, C.
- , Glacial Mammals. See Aagaard, C. E.
- , Highland Rocks. See Törnebohm, A. E.
- , *Olenellus*-beds. See Brögger, W. C.; see Holm, G.
- (S.W.), Labradorite-Rocks. See Kolderup, C. F.
- , Volcanoes. See Suess, E.
- Norwegian Arctic Expedition. See Nansen, F.; see Supan, A.
- Notohippus*. See Ameghino, F.
- Notopithecus*. See —.
- Notostylops*. See —.
- Notosuchus*. See Woodward, A. S.
- Nottinghamshire Coalfield. See Dunston, G.

- Nottingham (Dorset). See Groves, T. B.
 Nova Scotia. See Bailey, L. W.; see
 Coldwell, A. E.; see Gilpin, E., Jun.;
 see Prest, W. H.
 — Coalfields. See Gilpin, E., Jun.
 Nubian Desert Rocks & Water. See
 Lyons, H. G., &c.
 Nubian Sandstone. See —.
Nucleospira. See Hall, J., &c.
Nucula. See Beyer, E.; see Gallinek,
 E.; see Wolff, W.; see Woods, H.
Nuculana. See Törnquist, A.; see
 Winchell, N. H., &c.
 Nugsuak (Greenland) Glaciers. See
 Tarr, R. S.
Nummocalca. See Cossmann, M.
Nummulites. See Reid, C.; see Verbeek,
 R. D. M., &c.
 Nummulitic Beds, Albesti. See Popovici-
 Hatzeg, —.
 — — —, Dévoluy. See Lory, P.
 Nurri (Sardinia). See Artini, E.
 Nyasa District (Central Africa). See
 Moore, J. E. S.
 — (—) Coal. See Hauchecorne,
 —.
 Nyköpings Län (Sweden) Thaumassite.
 See Bäckström, H.
- Oberscheldt (Wiesbaden). See Kayser,
 E.
Obolella. See Dawson, Sir J. W.
Obolus. See Mickwitz, A.
 Obrou Cave (Istria). See Boegan, E.
 Obsidian Bombs, Billiton. See Verbeek,
 R. D. M.
 Ocean, Ancient Bottom. See Brooks,
 W. K.
 — Basins. See Murray, J.
 — Bottoms. See Günther, A.
 —, Physical Conditions. See Wharton,
 W. J. L.
 —, Primeval. See Morris, C.
 Oceania. See Ramond, G.
 Oceanic Deposits. See Milne, J.; see
 Walther, J.
Octodontotherium. See Ameghino, F.
 Odenwald (Hesse). See Chelius, C.;
 see Kraatz-Koschlau, K. von.
 Odessa (S. Russia). See Sintzov, —.
Odontaspis. See Priem, F.
Odontoceras. See Steuer, A.
Odontopleura. See Etheridge, R., Jun.,
 &c.; see Winchell, N. H., &c.
Odontopterus. See Fritsch, K. von.
Odontotrypa. See Simpson, G. B.
 Oedenburg Co. (Hungary). See Hornes,
 R.
 Ohio Drift Man. See Claypole, E. W.
 —, Palæozoic Vertebrata. See Cope,
 E. D.
 —, Sulphur Petroleum. See Mabery,
 C.
 Oil-Fields, Californian. See Watts, W.
 L., &c.
 —, Mesopotamian. See Maunsell, F. R.
 —. See Petroleum.
- Oklahoma (U.S.A.) Jura, &c. See Mar-
 cou, J.
 — (—) Comanche Series. See
 Vaughan, T. W.
 Öland (Sweden). See Hemmendorff,
 E.
Olcostephanus. See Törnquist, A.
 Old Red Sandstone, Arran. See Neilson,
 J.
 —, Bunmahon. See Reed, F. R. C.
 —, Fishes. See Flett, J. S.
 —, Lorne. See Geikie, Sir A.
 —, Plants. See Reid, J., &c.
Olea. See Ettingshausen, C. von.
Oleandridium. See Rordam, K., &c.
Olenellus. See Brown, H. Y. L., &c.;
 see Frech, F.
 —-Beds, Tomten. See Holm, G.
 —-Fauna, What is the? See Matthew,
 G. F.
 —-Zone. See Brögger, W. C.
Olenus. See Beecher, C. E.; see Postle-
 thwaite, J.
 Oligocene, Belgian. See Van den Broeck,
 E.
 — Echinodermata. See Mayer-Eymar,
 C.
 — Fauna, Barrême. See Depéret, C.
 — — —, Bavarian. See Wolf, W.
 — Mammals. See Boule, M.
 — Sand in Clefts in Trias. See Mer-
 kel, O., &c.
 —, Vanson Ravine, near St. Geniez.
 See Kilian, W., &c.
Oligoptycha. See Cossmann, M.
Oliva. See Mayer-Eymar, E.
 Olivine, Melting-point. See Cusack, R.
 Olivine-gabbro. See Berwerth, F.
 Olonetz (N. Russia). See Miklucha-
 Maklay, M. N.
Omospira. See Winchell, N. H., &c.
Oncoceras. See —.
 Oneda (Lombardy). See Salmajraghi, F.
 Oneonta Formation (N.Y.). See Darton,
 N. H.
 Ontario Palæontology, &c. See Grant,
 C. C.
Onychocrinus. See Wachsmuth, C.,
 &c.
 Oolite, Northants. See Thompson, B.
 —, Pennsylvanian Siliceous. See
 Wieland, G. R.
 — Zones, Mont d'Or (Rhône). See
 Riche, A.
 Oolitic Fauna, &c., Dorset. See Mansel-
 Pleydell, J. C.
 — Fishes' Eggs. See Jækel, O.
 — Limestone, Bedford (Ind.). See
 Hopkins, T. C.
 Ooze, Oceanic. See Walther, J.
 Opal. See Curran, J. M.; see Meli, R.
Opephora. See Elmore, C. J.
Ophileta. See Winchell, N. H., &c.
 Ophites, Spanish. See Palacios, P.
 Ophitic Rocks, Algeria. See Curie, J.,
 &c.; see Gentil, L.
Ophiurella. See Frech, F.
Opis. See Steinmann, G.

- Opisthobranchs, Australian Tertiary. See Cossmann, M.
- Opisthophyllum*. See Ogilvie, M. M.
- Oppelia*. See Canavari, M.; see Gallinek, E.; see Loriol, P. de; see Steurer, A.
- Oran (Algeria). See Pallary, P.
— Sahara. See Flamand, G. B. M.
- Orangite. See Krantz, F.
- Orbiculoidea*. See Hall, J., &c.
- Orbitoides*. See Kossmat, F.; see Verbeek, R. D. M., &c.
- Orbitolina*. See Verbeek, R. D. M., &c.
- Ordovician Beds, Waterford. See Reed, F. R. C.
— Fauna. See Matthew, G. F.
— —, Trenton Falls, Oneida Co. See White, T. G.
—, New York. See Kemp, J. F.; see Ruedemann, R.
—, W. French. See Ehlert, D. P.
- Ore Deposits. See Höfer, H.; see Launay, L. de; see Vogt, J. H. L.
— — and the Mother Lode. See Fairbanks, H. W.
— —, Broken Hill. See Smith, G.
— —, Corsica. See Nentien, —.
— —, France, Spain, Portugal, & Sardinia. See Czyszkowski, S.
— —, Hungary. See Budapest Mining Exhibition, 1896.
— —, Indications of. See Bradford, W.; see Lidgely, E.
— —, Puntaiglas Alp. See Bodmer-Beder, A.
— —, Russia. See Krusch, P.
— —, S. Saxony. See Dalmer, K.
— —. See also Copper, Gold, Iron, &c.
- Segregation. See Browne, D. H.
- Oregon (U.S.A.). See Diller, J. S.
- Orel (Russia). See Nikitin, S.
- Orenburg (Russia). See Netchaïev, A.
- Orendite. See Cross, W.
- Oreodaphne*. See Paolucci, L.
- Oreodon*. See Stewart, A.
- Organic Origin of Quartz Rock, Possible. See Stewart, S. A.
- Organisms, Archæan. See Callaway, C.
- Origin of British Animals. See Carpenter, G. H.
- Oriskania*. See Hall, J., &c.
- Orkney, Old Red Sandstone. See Flett, J. S.
- Orne (Normandy) Jurassic Fishes. See Bigot, A.
- Ornithomimus*. See Marsh, O. C.
- Ornithostoma*. See Williston, S. W.
- Orogenic Maps of the Ancient World. See Sacco, F.
- Orography. See Cole, G. A. J.; see Davis, W. M.; see Loblely, J. L.; see Sacco, F.
—, European (Experimental). See Meunier, S.
- Orohippus*. See Wortman, J. L.
- Orophodon*. See Ameghino, F.
- Orthis*. See Frech, F.; see Hall, J., &c.; see Julien, A.; see Reed, F. R. C.; see Sardeson, F. W.
- Orthoceras*. See Beyer, E.; see Gürich, G.; see Julien, A.; see Kayser, E.; see Mojsisovics, E. von; see Winchell, N. H., &c.; see Young, J.
- Orthoceratida*. See Holm, G.
- Orthodesma*. See Winchell, N. H., &c.
- Orthograptus*. See Frech, F.
- Orthostrophia*. See —.
- Orthotetes*. See Brown, H. Y. L., &c.; see Hall, J., &c.; see Julien, A.; see Kayser, E.; see Ehlert, D. P.
- Orthotropia*. See Hall, J., &c.
- Ortler Alps (Lombardy). See Salomon, W.
- Ostende (Flanders) Boring. See Dewalque, G.
- Osteorachis*. See Woodward, A. S.
- Ostracoda. See Jones, T. R.; see Krause, A.; see Volz, W.
—, Berkeley (Cal.). See Chapman, F.
—, Bracklesham Clay. See —.
—, Bucks Jurassic. See —.
—, Cambrian. See Matthew, G. F.
—, Danish Pleistocene. See Wesenberg-Lund, C.
—, Literature. See Sherborn, C. D.
—, Lower Carboniferous, Campsie. See Young, J.
—, Silurian. See Ulrich, E. O.; see Winchell, N. H., &c.
—, Tertiary. See Chapman, F.
- Ostrea*. See Böhm, G.; see Kønen, A. von; see Peron, A.; see Wolff, W.
- Ottawa River-Basin (Canada) Palæozoic Outliers. See Ami, H. M.; see Ells, R. W.
- Ottignies (Brabant). See Mourlon, M.
- Ouachita Anticline (Ark.). See Branner, J. C.
- Oudtshoorn District (Cape Colony). See Corstorphine, G. S., &c.
- Ourthe Valley (Liège). See Lohest, M., &c.; see Mourlon, M.
- Ouwarowite. See Lacroix, A.
- Ovenstones. See Bonney, T. G.
- Ovis*. See Bogino, F.
- Owenella*. See Winchell, N. H., &c.
- Oxford (Oxon) Earthquakes. See Turner, H.
- Oxford Clay Fishes. See Woodward, A. S.
— — Reptiles. See Andrews, C. W.
- Oxfordian. See Rollier, L.
— Fauna, Swiss. See Loriol, P. de.
- Oxfordshire. See Geikie, Sir A., &c.
— Gravels. See White, H. J. O.
—, Terraced Hill-Slopes. See Walford, E. A.
- Oxyclymenia*. See Frech, F.
- Oxydiscus*. See Frech, F.; see Winchell, N. H., &c.
- Oxynticeras*. See Denckmann; see Parona, C. F.
- Oysters, Patagonian Tertiary. See Ortman, A. E.

- Pachuca* (Mexico). See Aguilera, J. G., &c.
Pachydiscus. See Kossmat, F.; see Peron, A.
Pachyphyllum. See Gürich, G.
Pachypithecus. See Ameghino, F.
Pachypora. See Gürich, G.
 Pacific (S.W.) Submarine Elevation. See Murray, J.
 Pacy-sur-Eure (Eure). See Dollfus, G.
 Padric (Istria). See Boegan, E.
 Paganico (Piedmont). See Novarese, V.
Pagiophyllum. See Nathorst, A. G.
 Pair (Liège). See Destinez, P.
Palæacmæa. See Winchell, N. H., &c.
Palæaster. See Miller, S. A., &c.
Palæchinus. See Julien, A.; see Törnquist, A.
Palæoblattina. See Matthew, G. F.
 Palæobotany. See Butterworth, J.
Palæocampa. See Matthew, G. F.
Palæochorda. See Dawson, Sir J. W.
Palæodiscus. See Gregory, J. W.
Palæoflustra. See Julien, A.
 Palæolithic Deposits, Hitchin. See Reid, C.
 — Implements. See Evans, Sir J.
 — Man. See Evans, Sir J.; see Lasham, F.; see Munro, R.
 — Station, Veyrier. See Studer, T.
Palæolobium. See Paolucci, L.
 Palæontogeny & Phylogeny. See Smith, J. P.
 Palæontological Methods. See Gregorio, A. de.
 Palæontology & Evolution. See Bather, F. A.; see Zittel, K. A.
 — & Röntgen Rays. See Lemoine, V.
 —, History & Principles of. See Bernard, F.
Palæopeltis. See Ameghino, F.
Palæophis. See Reid, C.
Palæophonus. See Matthew, G. F.
Palæophycus. See Duden, H.
Palæopithecus. See Dubois, E.
Palæorhynchus. See Wolff, W.
Palæosaccus. See Dawson, Sir J. W.
Palæoscinus. See Marsh, O. C.
Palæosolen. See Frech, F.
Palæospondylus. See Dean, B.
Palæotapirus. See Gaudry, A.
 Palæozoic Area, Arkansas. See Ashley, G. H.; see Branner, J. C.; see Smith, J. P.
 — Brachiopoda. See Böse, E.; see Frech, F.; see Hall, J., &c.
 — Bryozoa. See Simpson, G. B.
 — Corals. See Sardeson, F. W.; see Weissermel, W.
 — Crinoidea. See Jækel, O.; see Frech, F.; see Wachsmuth, C.
 — Crustacea. See Bernard, H. M.
 — Deposits, Alabama. See McCalley, H., &c.
 — Echinodermata. See Gregory, J. W.
 — Fauna, Australia. See Brown, H. Y. L., &c.
 Palæozoic Fauna, Brazil. See Valentin, J.
 —, Canada. See Ami, H. M.; see Matthew, G. F.
 —, Illinois. See Miller, S. A., &c.
 —, N. America. See Matthew, G. F.
 —, N. Europe. See Törnquist, S. L.
 —, Russian Poland. See Gürich, G.
 —, S. America. See Kayser, E.
 — Fishes. See Claypole, E. W.; see Eastman, C. R.; see Jækel, O.
 — & Reptiles. See Cope, E. D.
 — Glaciation, Varanger Fiord. See Strahan, A.
 — Outliers, Ottawa River - Basin. See Ami, H. M.; see Ells, R. W.
 — Plants. See Zeiller, P.
 — Phyllopoda. See Jones, T. R.
 — Rocks, Midlands. See Anon., 22.
 —, Prussia. See Jentzsch, A.
 Palana (Bengal). See La Touche, T. D.
Palastræa. See Thomson, J.
Paleschara. See Simpson, G. B.
 Palestine. See Hull, E.
 Palmaria Island (Spezia) Cave Fauna. See Regàlia, E.
 Palmer (Queensland) Gold. See Jack, R. L.
Palmoxylon. See Stenzel, G.
Palorchestes - Tooth from Beaumaris (Victoria). See Hall, T. S., &c.
 Palud-de-Moustiers (Basses-Alpes). See Zürcher, P.
Paludicella. See Simpson, G. B.
Paludina. See Wesenberg-Lund, C.
 Paniselian, Flanders. See Rutot, A.
Panopæa. See Reid, C.; see Wolff, W.
Pantosaurus. See Marsh, O. C.
Paracladiscites. See Mojsisovics, E. von.
Paracyclas. See Ehlert, D. P.
Paradoceras. See Gürich, G.
Paradoxides-Beds, E. North America. See Matthew, G. F.
Paradoxides-Zone. See Brögger, W. C.
Paræpanorthus. See Ameghino, F.
Parajuvavites. See Mojsisovics, E. von.
Paralegoceras. See Smith, J. P.
Parallelodon. See Brown, H. Y. L., &c.; see Julien, A.
Parallelopora. See Gürich, G.
Parastrapotherium. See Ameghino, F.
Parastrophia. See Hall, J., &c.
Parastylops. See Ameghino, F.
Paratibetites. See Mojsisovics, E. von.
Parenchymophycus. See Duden, H.
Pariasaurus. See Ridewood, W. G.
 Paris Basin. See Dollfus, F. G.; see Grossouvre, A. de; see Janet, L.; see Leriche, —; see Nicklès, R.; see Ramond, G.; see Thomas, H.
 — Phosphates. See Mercey, N. de.
 Parma (Emilia) Pliocene Fishes. See Carraroli, A.
 — (—) Museum. See Simonelli, V.

- Parma (Emilia) Pliocene Echinodermata. See Vinassa de Regny, P. E.
- Parral (Chile). See Pöhlmann, R.
- Paryphostoma*. See Cossmann, M.
- Parzyga*. See Hall, J., &c.
- Passau (Bavaria). See Weinschenk, E.
- Passau (Rhenish Prussia). See Michael, R.
- Patagonia (S. America). See Hatcher, J. B.; see Mercerat, A.; see Nordenskjöld, O.; see Ortman, A. E.
- Patagonian Andes. See Lista, R.; see Steffen, H.
- Pavlograd (Ekaterinoslav). See Gurov, A.
- Pearceite. See Penfield, S. L.
- PEARLY Expedition, Greenland. See Barton, G. H.
- Peat with Arctic Plants in Boulder Clay, near Airdrie. See Binnie, J.
- Bog Flows. See Früh, J.; see Kerry Co.
- Mammals, near Turin. See Bogino, F.
- Bogs, Charred Wood from. See Reid, C.
- Deposit Fauna, &c., Danish. See Wesenberg-Lund, C.
- Plants, Nerike. See Kjellmark, K.
- Pebbles, Masuren Furrowed. See Müller, G.
- , Silurian Ostracoda from Dutch Drift. See Krause, A.
- Pecopteris*. See Dun, W. S.
- Pecten*. See Böhm, G.; see Gallinek, E.; see Kœnen, A. von; see Bontschew, S. (in Addendum); see Steinmann, G., &c.; see Wollemann, A.
- Pectunculus*. See Reid, C.; see Wolff, W.
- Pedina*. See Gregory, J. W.
- Pedinothuria*. See —.
- Pedioceras*. See Steinmann, G., &c.
- Pegmatite. See Crosby, W. O., &c.
- Pegwell Bay (Kent), Thanet Beds Foraminifera. See Burrows, H. W.
- Pelanechinus*. See Gregory, J. W.
- Peltophilus*. See Ameghino, F.
- Peltoceras*. See Loriol, P. de.
- Pelvoux Massif (Isère). See Termier, P.
- Pembroke Earthquakes. See Davison, C.
- Pembrokeshire Igneous Rocks. See Parkinson, J.
- , Pre-Cambrian Era. See Hicks, H.
- Pendulum & Geology. See Gravity.
- Observations. See Milne, J.; see Preston, E. D.; see Schmidt, A.; see Zachariæ, —, &c.
- Peninsulas (Low Tide), Channel Is. See Hill, E.
- Pennsylvania, Aporhyolite. See Bascom, F.
- , Palæozoic Vertebrata. See Cope, E. D.
- , Siliceous Oolite. See Wieland, G. R.
- , Petroleum. See Day, D. T.; see Mabery, C. F.
- Penryn (Cornwall) Ashbed. See Stephens, F. J.
- Pentacrinus*. See Pellat, E., &c.; see Wachsmuth, C., &c.
- Pentagonia*. See Hall, J., &c.
- Pentamerus*. See Beyer, E.; see Frech, F.; see Gürich, G.; see Hall, J., &c.
- Pentremiteida. See Ehlert, D. P.
- Percy, J. See Chambers, T. G.
- Pergamon (Asia Minor). See Washington, H. S.
- Peridotite. See Lewis, H. C.
- Periechocrinus*. See Wachsmuth, C., &c.
- Periglyptocrinus*. See —.
- Périgueux (Dordogne). See Glangeaud, P.
- Perisphinctes*. See Gallinek, E.; see Loriol, P. de; see Nætling, F.; see Steuer, A.
- Perissodactyls, White River Beds. See Osborn, H. F.; see Wortman, J. L.
- Perissonota*. See Steinmann, G., &c.
- Peristernia*. See Hall, T. S., &c.
- Perm (Russia). See Krasnopolski, —; see Stuckenberg, A.
- Permian Donetz Basin. See Tchernyshev, T., &c.
- , Footprints. See Pabst, W.
- , Kansas. See Cragin, F. W.; see Prosser, C. S.
- , Nebraska. See Prosser, C. S.
- Reptilia. See Case, E. C.; see Jækel, O.; see Williston, S. W.
- 'Permian' Sandstones, Wyre Forest & Staffs Coalfields. See Cantrill, T. C.
- Permo - Carboniferous Boundary. See De Rance, C. E.
- Fauna, Arkansas. See Smith, J. P.
- Plant-Beds, S. Africa. See Draper, D.; see Seward, A. C.
- Plants. See Dun, W. S.; see Shirley, J.; see Zeiller, R.
- Perna*. See Fucini, A.
- Peronidella*. See Zeise, O.
- Péronne (Somme) Chalk Fishes. See Priem, F.
- (—), Phosphates near. See Gosselet, J.
- Peronosporides*. See Smith, J.
- Perowskite. See Holmquist, P. J.
- Persea*. See Paolucci, L.
- Persian Frontier. See McMahon, C. A., &c.
- Peru, Ore-Deposits. See Rosell, R. G.
- Perugia (C. Italy), *Felis arvernensis* in Pliocene. See Tuccimei, G.
- Peschtoldsdorf (Lower Austria) Water. See Bamberger, M.
- Petalite. See Jeremejev, P.
- Petalograptus*. See Elles, G. L.; see Frech, F.
- Petalotrypa*. See Simpson, G. B.
- Peteroa Volcano (Chile). See Stange, P.
- Petersia*. See Loriol, P. de.
- Petigopora*. See Simpson, G. B.
- Petraia*. See Hicks, H., &c.
- Petrogeny. See Schmutz, K. B.

- Petrography in 1896. *See* Bayley, W. S.
- Petroleum. *See* Day, D. T.; *see* Mabery, C. F.; *see* Ochsenuis, C.; *see* Peckham, S. F.; *see* Phillips, F. C.; *see* Sadtler, S. P.
- , America. *See* Mabery, C., &c.
- , Bohemia. *See* Katzer, F.
- , Baku, &c. *See* Konchin, A.; *see* Krusch, P.
- , California. *See* Crawford, J. J.; *see* Salathè, F.; *see* Watts, W. L., &c.
- Deposits Fauna, Galicia. *See* Grzybowski, J.
- Field, Mesopotamian. *See* Maunsell, F. R.
- , Hungary. *See* Telegd, L. R.
- , Indiana. *See* Blatchley, W. S.; *see* Hall, C. F.
- , Japan. *See* Anon., 29.
- , Kansas. *See* Bailey, E. H. S.
- , Rumania. *See* Anon., 7; *see* Ochsenuis, C.; *see* Zuber, K.
- , Upper Burma. *See* Anon., 44.
- Petroleums, Canadian & Ohio Sulphur. *See* Mabery, C.
- Petrology. *See* Becker, G. F.
- Petropoma. *See* Steinmann, G., &c.
- Phacelopora. *See* Simpson, G. B.
- Phacocheirus. *See* Pomel, A.
- Phacopidae. *See* Winchell, N. H., &c.
- Phacops. *See* Beecher, C. E.; *see* Frech, F.; *see* Gürich, G.; *see* Kayser, E.; *see* Törnquist, S. L.
- Phænopora. *See* Simpson, G. B.
- Phalangella. *See* —.
- Phanerotinus. *See* Julien, A.
- Pharella. *See* Kossmat, F.
- Pharsophorus. *See* Ameghino, F.
- Phasianella. *See* Hilber, V.
- Phenakite. *See* Hintze, C.
- Philadelphia (Pa.), Plateau-Gravel near. *See* Bascom, F.
- Phillipsastræa. *See* Gürich, G.; *see* Thomson, J.
- Phillipsia. *See* Julien, A.; *see* Smith, J. P.
- Phlegræan Fields (Campania). *See* Günther, R. T.
- Phœnicopsis. *See* Nathorst, A. G.
- Pholadomya. *See* Kossmat, F.; *see* Loriol, P. de; *see* Nøtting, F.; *see* Peron, A.; *see* Reid, C.; *see* Wolf, W.
- Pholidocidaris. *See* Julien, A.; *see* Törnquist, A.
- Pholidops. *See* Hall, J., &c.; *see* Miller, S. A., &c.
- Pholidotoma. *See* Cossmann, M.
- Phonolite, Westerwald. *See* Dannenberg, A.
- Phormosoma. *See* Gregory, J. W.
- Phos. *See* Harris, G. F.; *see* Martin, K.
- Phosphate of Lime, Hem-Monacu, &c. *See* Gosselet, J.
- Phosphates, Arkansas. *See* Branner, J. C.
- Phosphates, English & French. *See* Mercey, N. de.
- , Melting-Points. *See* Cusack, R.
- , Pennsylvania. *See* Ihleng, M. C.
- , Tunis. *See* Tempère, J.
- Phosphatic Chalk Fishes, Péronne. *See* Priem, F.
- Minerals in Belgian Soils. *See* Dewalque, G., &c.
- Phosphorite, Lake Siljan. *See* Hedström, H.
- Photographs, Geological. *See* Cole, G. A. J.; *see* Watts, W. W.
- Phractopora. *See* Simpson, G. B.
- Phycopsis. *See* Rothpletz, A.
- Phylogeny & Palæontogeny. *See* Smith, J. P.
- Phyllite. *See* Dalmer, K.
- Phyllocaridæ, Silurian. *See* Whitfield, R. P.
- Phylloceras. *See* Canavari, M.; *see* Fucini, A.; *see* Mojsisovics, E. von; *see* Parona, C. F., &c.
- Phylloccenia. *See* Koby, F.
- Phyllodictya. *See* Simpson, G. B.
- Phyllograptus. *See* Frech, F.; *see* Postlethwaite, J.
- Phyllopoda. *See* Jones, T. R.; *see* Woodward, H.
- Phyllopora. *See* Simpson, G. B.
- Phyllothallus. *See* Rothpletz, A.
- Phyllothea. *See* Newton, E. T., &c.; *see* Seward, A. C.
- Phymatoderma. *See* Rothpletz, A.
- Physetocrinus. *See* Wachsmuth, C., &c.
- Physical Geography. *See* Davis, W. M.
- Geology. *See* Brückner, E., &c.; *see* Polwhele, T. R.; *see* Vallée Poussin, C. de la.
- Physiography. *See* Davis, W. M., &c.
- Piacenza (Emilia) Pliocene Fishes. *See* Carraroli, A.
- Pianico (Lombardy). *See* Baltzer, A.; *see* Fischer, E.
- Pickwell Down Beds. *See* Hicks, H., &c.
- Pieritic Basalt. *See* Twelvetrees, W. H.
- Pictonia. *See* Törnquist, A.
- Pictou Co. (N.S.) Coal. *See* Gilpin, E., Jun.
- Piedmont (Italy) Miocene Corals. *See* Osasco, E.
- (—) Quaternary Mammals & Lias Fauna. *See* Resetti, G. E.
- (—) Tertiary Echinoderms. *See* Botto-Micca, L.
- Piedmont (Va.). *See* Darton, N. H.
- Piedmontite-Rhyolite. *See* Yamasaki, N.
- Pielach Valley (Lower Austria). *See* Bittner, A.
- Pikedale Goldfield (Queensland). *See* Maitland, A. G.
- Pila. *See* Renault, B.
- Pileotrypa. *See* Simpson, G. B.
- Piloceras. *See* Winchell, N. H., &c.
- Pilot Butte (Wy.). *See* Cross, W.
- Pimelites. *See* Fucini, A.

- Pinacites*. See Frech, F.
Pinacoceras. See Mojsisovics, E. von.
 Pinethal (Tyrol). See Haberfelner, J.
 Pinite. See Gonnard, F.
Pinites. See Nathorst, A. G.; see Seward, A. C.
Pinna. See Kenen, A. von; see Reid, C.
Pinnaporina. See Simpson, G. B.
Pinus. See Menzel, P.; see Paolucci, L.
Pionocypris. See Chapman, F.
Pirenella. See Cossmann, M.
 Pirssonite. See Pratt, J. H.
 Pisino (Istria). See Martel, E. A.
Pisocrinus. See Wachsmuth, C., &c.
Pithecanthropus. See Manouvrier, L.; see Munro, R.; see Pohlig, H.
Pityocladus. See Nathorst, A. G.
Pityolepis. See —.
Pityophyllum. See —.
Pityospermum. See —.
Pityostrobus. See —.
Placenticerias. See Peron, A.
Placentula. See Krause, A.
Placites. See Mojsisovics, E. von.
Placoparia. See Beecher, C. E.
Plagiarthrus. See Ameghino, F.
 Plains, English. See Lydekker, R.
 — (Great), N. America. See Dawson, G. M.
Planaria. See Wesenberg-Lund, C.
 Planina (Carniola). See Kossmat, F.
 Plankton Fauna. See Walther, J.
Planorbis. See Bukowski, G. von; see Wolff, W.
 Plant-like Casts, Archæan. See Nathorst, A. G.
 Plants & Climates. See Jaccard, P.
 —, Ancona Tertiary. See Paolucci, L.
 —, Antiquan Fossil Wood. See Stenzel, G.
 — (Arctic) in Peat in Boulder Clay. See Binnie, J.
 — (—) Mesozoic. See Nathorst, A. G.
 — Barry Dock. See Howard, F. T.
 —, Bracklesham. See Reid, C.
 —, Canadian Palæozoic & Pleistocene. See Penhallow, D. P.
 —, Carboniferous. See Butterworth, J.; see Grand' Eury, —; see Kidston, R.; see Renault, B.; see Scott, D. H.; see Seward, A. C.; see Smith, J.; see Solms-Laubach, Count H.
 —, Cretaceous & Jurassic. See Ward, L. F.
 —, Distribution. See Graner, —; see Scharff, R. F.
 —, Dover Coalfield. See Zeiller, R.
 —, Ferns & Algæ. See Potonié, H.
 —, Fossil. See Woodward, H., &c.
 —, Fossilization. See Felix, J.
 —, Franz Josef Land. See Newton, E. T., &c.
 — from Glacial Jurassic Blocks. See Rordam, K., &c.
 Plants, Gold in Marine. See Liversidge, A.
 —, Hungarian Liassic. See Staub, M.
 —, Indiana Devonian. See Duden, H.
 —, Jurassic. See Nathorst, A. G.; see Seward, A. C.
 —, Klågerup Glacial Deposits. See Munthe, H.
 —, Marine. See Walther, J.
 — (Microscopic), Ayrshire Amber. See Smith, J.
 —, Nerike Peat. See Kjellmark, K.
 —, N.S.W. Devonian. See Dun, W. S.
 —, — Permo-Carboniferous. See —.
 —, Öland Glacial. See Hemmendorff, E.
 —, Old Red Sandstone. See Reid, J., &c.
 —, Palæozoic. See Zeiller, R.
 —, Permo-Carboniferous. See Draper, D.; see Seward, A. C.; see Shirley, J.; see Zeiller, R.
 —, Pianico (Lombardy) Interglacial. See Baltzer, A.; see Fischer, E.
 —, Pleistocene. See Keilhack, K.; see Ravn, J. P. J.; see Reid, C.; see Wesenberg-Lund, C.
 —, Pliocene. See Almera, J.; see Gabelli, L.
 —, Potomac Formation. See Ward, L. F.
 —, Quaternary. See Benassi, P.; see Nathorst, A. G.
 —, Tertiary. See Archenegg, A.; see Ettingshausen, C. von; see Kayser, E.; see Koch, A.; see Krasan, F.; see Menzel, P.; see Warburg, O.
 —, Thuringian Carboniferous. See Fritsch, K. von.
 —, Triassic. See Lorenzo, G. de.
 —, Wealden. See Seward, A. C.
 —, W. Scottish Carboniferous. See Neilson, J.
 —, W. Virginian Quaternary. See Knowlton, F. H.
Platanus. See Paolucci, L.
 Plateau Gravel near Philadelphia. See Bascom, F.
 —, Dorset. See Mansel-Pleydell, J. C.
 — Man. See Cunningham, W.
Platecarpus. See Thévenin, A.; see Williston, S. W.
 Platinum. See Day, D. T., &c.
 —, Crystalline Structure. See Liversidge, A.
 —, Russian. See Anon., 3; see Jere-mejev, P.; see Krusch, P.
Platyceras. See Frech, F.; see Miller, S. A., &c.; see Reed, F. R. C.; see Winchell, N. H., &c.
 Platyrimidæ. See Bather, F. A.
Platyrimus. See Miller, S. A., &c.; see Wachsmuth, C., &c.
Platymetopus. See Winchell, N. H., &c.
Platyostoma. See Frech, F.
Plectambonites. See Hall, J., &c.

- Pleistocene. *See also* Quaternary.
 — Deposits, Denmark. *See* Jessen, A.; *see* Madsen, V.; *see* Ussing, N. V.
 — European Land. *See* Scharff, R. F.
 — Foraminifera, German. *See* Madsen, V.
 — Gravels, Croydon. *See* Hinde, G. J.
 —, Hampshire. *See* Shore, T. W.
 — Ice-sheet, N. America. *See* Crosby, W. O.
 — Malagasy Lemuroids. *See* Forsyth-Major, C. I.
 — Mammals, Swiss. *See* Studer, T.
 — Man, &c., Schaffhausen. *See* Nüesch, J., &c.
 — N.Y. State. *See* Niles, W. H.
 —, Normandy. *See* Bigot, A.
 — Plants. *See* Keilhack, K.; *see* Penhallow, D. P.; *see* Reid, C.
 — Rubble-Drift near Portslade. *See* Warren, S. H.
 — Swabian Lowlands. *See* Fraas, E.
 Plesiosaurian Reptiles. *See* Andrews, C. W.; *see* Mansel-Pleydell, J. C.
 Plesiosauridæ, Cretaceous. *See* Leonhard, R.
Plesiosauridarum. *See* —.
Plesiosaurus. *See* Ridewood, W. G.
 —, Kansas Comanche Cretaceous. *See* Williston, S. W.
Plethorhyncha. *See* Hall, J., &c.
Plethospira. *See* Winchell, N. H., &c.
Pleurocalodon. *See* Ameghino, F.; *see* Marsh, O. C.
Pleuromya. *See* Loriol, P. de.
Pleuromytilus. *See* Hauer, F. von; *see* Lorenzo, G. de; *see* Mojsisovics, E. von.
Pleurosaurus. *See* Dames, W.
Pleurosomia. *See* Böhrn, G.; *see* Ogilvie, M. M.
Pleurostylodon. *See* Ameghino, F.
Pleurotoma. *See* Harris, G. F.; *see* Vinassa de Regny, P. E.; *see* Wolff, W.
Pleurotomaria. *See* Barnes, J., &c.; *see* Beyer, E.; *see* Gürich, G.; *see* Loriol, P. de; *see* Wollemand, A.
Pleurotomariidæ. *See* Bouvier, E. L., &c.; *see* Burekhardt, X.
Plicatula. *See* Kønen, A. von; *see* Kossmat, F.; *see* Woods, H.; *see* Peron, A.
Pliocene, Algeria. *See* Brive, A.; *see* Welsch, J.
—, Belgium. *See* Bernays, É.; *see* Delheid, E.; *see* Mourlon, M.
— Chipped Flint-Flakes, Burma. *See* Nœtling, F.
— European Land. *See* Scharff, R. F.
— Fauna, Balzo del Musico. *See* Busacchi, A.
—, Rome. *See* Meli, R.; *see* Portis, A.
— *Felis*, Perugia. *See* Tuccimei, G.
— Fishes, Italian. *See* Carraroli, A.
— Foraminifera, St. Erth. *See* Millett, F. W.
Pliocene Italian Lynx. *See* Fabrini, E.
— Monkey. *See* Dubois, E.; *see* Pohlig, H.
— Ostracoda, Californian. *See* Chapman, F.
— Plants. *See* Almera, J.; *see* Gabelli, L.
Pliogylobates. *See* Dubois, E.
Pliosaurus. *See* Andrews, C. W.
Plocoscyphia. *See* Leonhard, R.
Plumatella. *See* Wesenberg-Lund, C.
Plumb-line. *See* Pendulum.
Plumulites. *See* Matthew, G. F.
Po Valley (Italy). *See* Stella, A.
— (—) Quaternary Mammalia. *See* Angelis d'Ossat, G.
Poacites. *See* Paolucci, L.
Podogonium. *See* Ettingshausen, C. von.
Podolsk (Moscow). *See* Nikitin, S.
Podozamites. *See* Nathorst, A. G.; *see* Newton, E. T., &c.; *see* Rordam, K., &c.
Podurites. *See* Matthew, G. F.
Poederlian. *See* Delheid, E.
Poitiers (Vienne). *See* Fournier, A.; *see* Glangeaud, P.; *see* Launay, L. de; *see* Wallerant, F.; *see* Welsch, J.
Poitou (Ancient Straits of) Jurassic Zones. *See* Poitiers (Vienne).
Poland (Russian) Palæozoic Fauna. *See* Gürich, G.
Polar Displacements. *See* Péroche, J.
Polcenigo (Friuli). *See* Taramelli, T.
Pollicipes. *See* Leonhard, R.
Pollucite. *See* Foote, H. W.
Poloniella. *See* Gürich, G.
Polybasite. *See* Penfield, S. L.
Polycandros (Greece). *See* Lacroix, A.
Polycelis. *See* Wesenberg-Lund, C.
Polydolops. *See* Ameghino, F.
Polymorphina. *See* Burrows, H. W., &c.; *see* Jones, T. R., &c.; *see* Morton, F. S.
Polyphylloseris. *See* Ogilvie, M. M.
Polypora. *See* Simpson, G. B.
Polyaporella. *See* —.
Polystoma. *See* Loriol, P. de.
Polystomella. *See* Morton, F. S.
Polytropis. *See* Frech, F.
Polyzoa. *See* Bryozoa.
Polyzygia. *See* Gürich, G.
Pondicherri (India) Cretaceous Fauna. *See* Kossmat, F.
Pondrôme (Namur). *See* Forir, H.
Pontian near Grosseto. *See* Novarese, V.
Ponza Is. *See* Sabatini, V.; *see* Schneider, C. C.
Popocatepetl (Mexico). *See* Farrington, O. C.
Populophyllum. *See* Ward, L. F.
Populus. *See* Paolucci, L.
Porambonites. *See* Hall, J., &c.
Porcellia. *See* Beyer, E.; *see* Frech, F.; *see* Julien, A.
Porcupine-Quills. *See* Mercer, H. C.
Porites. *See* Ogilvie, M. M.
Porodiscida. *See* Cayeux, L.

- Porphyritic Rocks, Elba. *See* Matteucci, R. V.
 Porphyroid, Grand-Manil. *See* Malaise, C.
 —, Méhaigne Valley. *See* Vallée Poussin, C. de la.
 Porphyry, Leipzig. *See* Reinisch, R.
 —, Monte Guglielmo. *See* Vigo, G.
 —, Var. *See* Michel-Lévy, A.
 Portland (Dorset) Purbeckian Cycad. *See* Seward, A. C.
 — Raised Beach. *See* Sykes, E. B.
 Portrairie (Co. Dublin). *See* Gardiner, C. I., &c.
 Portrush (Co. Antrim) Raised Beach. *See* Stewart, S. A.
 Portslade (Sussex) Pleistocene Rubble-Drift. *See* Warren, S. H.
 Portsmouth (Hants) Water-Supply. *See* Thomson, T., &c.
 Portugal. *See* Beyrich, E., &c.
 —, Cretaceous. *See* Choffat, P.
 —, — & Jurassic Plants. *See* Ward, L. F.
 —, Ore-Deposits. *See* Czyszkowski, S.
 Portuguese E. Africa. *See* Andrade, A. A. F. de.
 Posen (Prussia). *See* Lepsius, R.
 — (—) Brown Coal. *See* Rosenberg-Lipinsky, — von.
 Posgenite. *See* Schulten, A. de.
Posidonia. *See* Frech, F.
Posidoniella. *See* Barnes, J., &c.; *see* Julien, A.
Posidonomya. *See* Lorenzo, G. de.
 Post-Glacial Deposits, Finland. *See* Segercrantz, W.
 — Foraminifera. *See* Madsen, V.
 Post-Pliocene Non-Marine Mollusca. *See* Kennard, A. S., &c.
 Post-Tertiaries, Volhynia. *See* Tutkowsky, P.
 Postale, Monte (Vicentino). *See* Vinassa de Regny, P. E.
 Pot-holes, Nubian-Desert. *See* Lyons, H. G., &c.
Potamides. *See* Cossmann, M.; *see* Larrazet, M.; *see* Wolff, W.
Poterioceras. *See* Winchell, N. H., &c.
Poteriocrinus. *See* Beyer, E.; *see* Julien, A.
 Potomac Group, Maryland. *See* Clark, W. B., &c.
Potowarthia. *See* Winchell, N. H., &c.
 Potsdam (Prussia) Pendulum-Observations. *See* Zachariæ, —, &c.
 Poverty Bay (N. Z.). *See* Hill, H.
Prasopora. *See* Simpson, G. B.
 Pre-Cambrian, Anglesey. *See* Callaway, C.
 — Era. *See* Hicks, H.
 — Fauna. *See* Dawson, Sir J. W.
 —, N. America. *See* Van Hise, C. R., &c.
 — Radiolaria, S. Australian. *See* David, T. W. E., &c.
 Pre-Cambrian, Sweden and Finland. *See* Sederholm, J. J.
 Pre-Carboniferous Coals. *See* Ellis, W. H.
 Precious Stones, U.S.A. *See* Day, D. T., &c.
 —, N.S.W. *See* Curran, J. M.
 Predazzo (Tyrol). *See* Salomon, W.
 Pre-Glacial Valley, Cuyahoga. *See* Pierce, S. J.
 —, Northants. *See* Thompson, B.
 Prehnite. *See* Card, G. W.; *see* Habert, P. C.; *see* Harrison, W. J., Jun.
 Prehistoric Man. *See* Munro, R.
 Prés, La Combe des (Jura). *See* Bourgeat, —.
 PRESTWICH, Sir J. *See* Dollfus, G.; *see* Gaudry, A.; *see* Hicks, H.
 Pretoria (Transvaal). *See* Wendeborn, A.
 Pretzsch-Duben (Merseburg) Railway-Sections. *See* Keilhack, K.
 Priabona (Venetia). *See* Vinassa de Regny, P. E.
Primitella. *See* Winchell, N. H., &c.
Primitia. *See* Gürich, G.; *see* Krause, A.; *see* Matthew, G. F.; *see* Winchell, N. H., &c.
Primitiopsis. *See* Gürich, G.
 Prince Albert District (Cape Colony). *See* Corstorphine, G. S., &c.
Prionocyclas. *See* Steinmann, G., & K. Gerhardt.
Prismopora. *See* Simpson, G. B.
Pristograptus. *See* Frech, F.
 Privas (Ardèche). *See* Boule, M.; *see* Kilian, W.; *see* Pâquier, V.
Proadiantus. *See* Ameghino, F.
Proborhyana. *See* —.
Proboscina. *See* Simpson, G. B.
Procestes. *See* Lorenzo, G. de.
Productella. *See* Hall, J., &c.
Productus. *See* Julien, A.
Proedrium. *See* Ameghino, F.
Proëtus. *See* Beecher, C. E.; *see* Beyer, E.; *see* Frech, F.; *see* Gürich, G.; *see* Törnquist, S. L.; *see* Winchell, N. H., &c.
Prohegetotherium. *See* Ameghino, F.
Prohyracon. *See* Koch, A.
Prolecanites. *See* Crick, G. C.; *see* Foord, A. H., &c.; *see* Frech, F.
Prolobella. *See* Winchell, N. H., &c.
Pronorites. *See* Smith, J. P.
Propachyrucos. *See* Ameghino, F.
Properiptychus. *See* —.
 Prosimiæ, Argentine Cretaceous. *See* Ameghino, F.
Prosopon. *See* Möricke, W.
Prosotherium. *See* Ameghino, F.
Protapirus. *See* Gaudry, A.
Proteaphyllum. *See* Ward, L. F.
 Proterotheriidae. *See* Ameghino, F.
Proteusites. *See* Hauer, F. von.
Protheosodon. *See* Ameghino, F.
Proto. *See* Wolff, W.
Protocardium. *See* Steinmann, G., &c.
Protoceras. *See* Marsh, O. C.

- Protocimex*. See Matthew, G. F.
Protolenus Fauna. See —.
Protorhipis. See Ward, L. F.
Protorhyncha. See Hall, J., &c.
Protorhippus. See Wortman, J. L.
Protorthis. See Hall, J., &c.
Protoschizodus. See Törnquist, A.
Protoseris. See Ogilvie, M. M.
Protosiphon. See Matthew, G. F.
Protosphæra. See Cayeux, L.
Protosphyræna. See Leonhard, R.
Protespongia. See Dawson, Sir J. W.
Protozyga. See Hall, J., &c.
Protrachyceras. See Lorenzo, G. de;
 see Mojsisovics, E. von.
Proutella. See Simpson, G. B.
 Provence (France) Cretaceous & Ter-
 tiaries. See Grossouvre, A. de; see
 Pellat, G.
 — (—) Lakes. See Delebecque, A.
 — (—) Massifs. See Fournier, E.;
 see Kilian, W.
 Providence (Mo.). See Stewart, A.
 Prudence Island (U.S.A.) Forelands. See
 Gulliver, F. P.
Prunus. See Paolucci, L.
 Prussia. See Jentzsch, A.
 —, Formations in & Borings. See —.
 — (W.), Glacial Deposits. See —.
 — (—), Glass Sand & Clays. See
 Jentzsch, A.
Psammechinus. See Koch, A.; see
 Loriol, P. de; see Vinassa de Regny,
 P. E.
Psammobia. See Kœnen, A. von; see
 Wolff, W.
Pseudælurus. See Adams, G. I.
Pseudocorax. See Priem, F.
Pseudogaylussite. See Calker, F. J. P.
 van.
 Pseudomorphs, N.Y. State. See Smith,
 C. H., Jun.
 Pseudoplankton Fauna. See Walther,
 J.
Pseudosphærexochus. See Törnquist, S.
 L.; see Winchell, N. H., &c.
Pseudothecosmia. See Ogilvie, M. M.
Pseudotissotia. See Peron, A.
Pseudovaricia. See Harris, G. F.
Psilophyton. See Reid, J., &c.
Psittacotherium. See Wortman, J. L.
Pteranodon. See Williston, S. W.
Pterinæ. See Frech, F.
Pterocarya. See Paolucci, L.
Pterocelastrus. See Ettingshausen, C.
 von.
Pterocera. See Peron, A.; see Vinassa
 de Regny, P. E.
 Pterodactyls, Kansas Cretaceous. See
 Williston, S. W.
Pterodonta. See Peron, A.
Pteronites. See Törnquist, A.
Pterophyllum. See Shirley, J.
Pterospira. See Harris, G. F.
Pterotoerinus. See Wachsmuth, C.,
 &c.
Pterygometopus. See Winchell, N. H.,
 &c.
Pterygotus. See Holm, G.
Ptilocella. See Simpson, G. B.
Ptilodictya. See —.
Ptilograptus. See Frech, F.
Ptilopora. See Simpson, G. B.
Ptiloporella. See —.
Ptiloporina. See —.
Ptilotrypa. See —.
Ptilozamites. See Nathorst, A. G.
Ptychites. See Mojsisovics, E. von.
Ptychocrinus. See Wachsmuth, C., &c.
Ptychodus. See Priem, F.
Ptychonema. See Simpson, G. B.
Ptychoparia. See Beecher, C. E.; see
 Frech, F.
Ptychopyge. See Winchell, N. H., &c.
Ptychospira. See Hall, J., &c.
Ptygmatis. See Levi, G.
Puffinus. See Shufeldt, R. W.
 Puget Sound Basin (Washington Terr.).
 See Kimball, J. P.
 — (—), Drift. See Willis, B.
Pugnax. See Hall, J., &c.
Pugnellus. See Kossmat, F.
Pulchellia. See Kœnen, A. von; see
 Steinmann, G., &c.
Pullenia. See Burrows, H. W., &c.
Pulvinulina. See —; see Morton,
 F. S.
 Pumulites. See Matthew, G. F.
 Puntaiglas Alp (Grisons). See Bodmer-
 Beder, A.
Pupa. See Matthew, G. F.
 Purbeck Dinosaur Footprints. See
 Mansel-Pleydell, J. C.
 — Plants. See Seward, A. C.
Purpuroidea. See Loriol, P. de.
Puzosia. See Parona, C. F., &c.; see
 Peron, A.
 Pyramid Peak (Cal.). See Lindgren, W.
Pyramidella. See Peron, A.
Pyrazus. See Cossmann, M.
 Pyrenees. See Carez, L.; see Lacroix,
 A.; see Roussel, J.; see Seunes, J.
 —, Cretaceous & Tertiaries. See
 Grossouvre, A. de; see Stuart-Men-
 teath, P. W.
 —, Faults. See Carez, L.
 — Granite. See Caralp, —.
 — Lakes. See Belloc, É.; see Dele-
 becque, A.
 —, Lias. See Stuart-Menteath, P.
 W.
 —, Quaternary Chamois. See Harlé,
 É.
 —, Slates. See Carez, L.; see Stuart-
 Menteath, P. W.
Pyrgula. See Bukowski, G. von.
Pyrina. See Loriol, P. de.
 Pyrites. See Achiardi, G. d'; see Cesàro,
 G.; see Day, D. T., &c.; see Lacroix,
 A.; see Meli, R.; see Mügge, O.; see
 Rammelsberg, C.
 Pyrochloré. See Holmquist, P. J.
 Pyrophyllite, Colombia. See Damour,
 A.
Pyrotherium-beds Fauna, Argentina.
 See Ameghino, F.

- Pyroxene. See Cesàro, G.; see Young, J.
- Pyrrhite. See Holmquist, P. J.
- Pyrrholite. See Lacroix, A.; see Mügge, O.
- Pyrrula. See Hall, T. S., &c.; see Martin, K.
- Pythonomorpha, Cretaceous. See Leonhard, R.
- Pyridicula. See Rothpletz, A.
- Quarries, Gr. Britain & Ireland. See Atkinson, J. B., &c.; see Foster, C. Le N.
- , Guernsey. See Greenwell, G. C.
- Quartz. See Büttgenbach, H.; see Fournier, G.; see Fromme, J.; see Wallerant, F.
- , Melting-Point. See Cusack, R.
- , Rock, Possible Organic Origin. See Stewart, S. A.
- Quaternary Algerian Mammals. See Pomel, A.
- , American. See Ball, T. H.; see Hershey, O. H.; see Upham, W.
- , Baltic. See Andersson, F.; see Munthe, H.; see Sederholm, J. J.
- , Belgian. See Mourlon, M.
- , — & Dutch. See Rutot, A.; see Ubaghs, C.
- , Brandenburg. See Wahnschaffe, F.
- , Chamois, Pyrenees. See Harlé, C.
- , Clay, Brittany. See Barrois, C.
- , Climate. See Péroche, J.
- , Denmark. See Andersson, F.; see Wesenberg-Lund, C.
- , Fauna, Europe. See Scharff, R. T.; see Wesenberg-Lund, C.
- , Hungary. See Koch, A.
- , Italian Quaternary Plants & Insects. See Benassi, P.
- , Mammalia, Hem-Monacu. See Boule, M.
- , Piedmont. See Resetti, G. E.
- , Po Valley. See Angelis d'Ossat, G.
- , Jaroslav. See Doss, B.
- , Rome. See Meli, R.
- , Yorks. See Sheppard, T.
- , Nord. See Hérent, J.; see Ladrière, J.
- , Oran Sahara. See Flamand, G. B. M.
- , Pellice Valley. See Novarese, V.
- , Rome. See Portis, A.
- , Sands, Mapping. See Schröder van der Kolk, J. L. C.
- , S. Russia. See Tutkowski, P.
- , Terraces, Villefranche-sur-Saône. See Mortillet, G. de.
- , See also Pleistocene & Post-Pliocene.
- Quebec Prov. (Canada). See Adams, F. D.
- Queensland. See Fryar, W.; see Jack, R. L.; see Thomson, J. P.
- , Auriferous Lodes. See Don, J. R.
- Queensland Coalfields. See Anon., 19.
- , Gold. See Jack, R. L.; see Maitland, A. G.; see Rands, W. H.
- , — & Copper. See Rands, W. H.
- , Mineral Resources. See Coghlan, T. A.; see Fryar, W.
- , Permo-Carboniferous Plants. See Shirley, J.
- , Tin. See Skertchly, S. B. J.
- Quercus. See Ettingshausen, C. von; see Menzel, P.; see Paolucci, L.
- Quiberon (Morbihan) Shore Deposits, &c. See Barrois, C.
- Quicksilver. See Day, D. T., &c.
- , California. See Crawford, J. J.
- , See also Mercury.
- Quirogitite. See Gaubert, P.
- Radau Valley (Brunswick) Minerals. See Fromme, J.
- Radiolaria. See Cayeux, L.
- , Majolica di Campora Nodules. See Corti, B.
- , S. Australian Pre-Cambrian. See David, T. W. E., &c.
- , Triassic. See Lorenzo, G. de.
- Radiolarian Chert, Ayrshire. See Reade, T. M.
- , Billiton. See Hinde, G. J.
- , Culm Measure Rocks. See —.
- , Deposits. See Walther, J.
- Radiolites. See Peron, A.
- Radoboj (Croatia) Tertiary Plants. See Ettingshausen, C. von.
- Radom (Russia) Chalk. See Krishtafovich, N.
- Radstädter Tauern (Salzkammergut). See Frech, F.
- Rafinesquina. See Hall, J., &c.
- Rain Distribution, Belgian. See Forir, H.
- Rainy Lake (Ont.) Anorthosites. See Coleman, A. P.
- Rainy River District (Ont.) Gold Ores. See Merritt, W. H.
- Raised Beach Mollusca, Portland. See Sykes, E. B.
- , Portrush. See Stewart, S. A.
- Raised Beaches. See also Beach.
- , Ayrshire. See Smith, J.
- , N.E. Ireland. See Praeger, R. L.
- , Varanger Fiord. See Strahan, A.
- Ramsåsa (Skåne). See Grönwall, K. A.
- RAMSAY, A. C. See Chambers, T. G.
- Ramulina. See Jones, T. R., &c.
- Ran (Cutch). See Blake, J. F.
- Rand Beds (S. A. R.). See Witwatersrand.
- Rande Mts. (Transylvania). See Koch, A.
- Randian. See Rollier, L.
- Rangifer. See Nüesch, J., &c.; see Wahnschaffe, F.
- Ransätite. See Gaubert, P.; see Igelström, L. J.

- Raphistoma*. See Bolton, H.; see Winchell, N. H., &c.
- Rapelano (Tuscany). See Angelis d'Ossat, G. de.
- Raspie. See Hlawatsch, C.
- Rastrites*. See Frech, F.; see Perner, J.; see Törnquist, S. L.
- Ratélite. See Baumhauer, H.
- Raenthal (Vosges) Serpentine. See Raisin, C. A.
- Rauffia*. See Zeise, O.
- Re (N. Piedmont) Quaternary Plants and Insects. See Benassi, P.
- Realgar. See Hackman, V.
- Recca Swallow-hole (Istria). See Marinitsch, J.
- Receptaculites*. See Dawson, Sir J. W.; see Girty, G. H.
- Redhill (Surrey). See Hinde, G. J., &c.
- Red Lead Ore, Mashonaland. See Redlich, K. A.
- Red River (Ark.). See Newsom, J. F., &c.
- Reefs, Florida Elevated. See Agassiz, A.
- Reichenstein (Silesia). See Guckler, J.
- Reindeer. See *Rangifer*.
- Reineckeia*. See Steuer, A.
- Reinsdorf (Saxony). See Geinitz, H. B.
- Reiseferner (Tyrol). See Salomon, W.
- Remeloceras*. See Miller, S. A., &c.
- Remopleurides*. See Frech, F.; see Törnquist, S. L.
- Rennes-les-Bains (Ariège). See Gros-souvre, A. de.
- Rensselaria*. See Frech, F.; see Hall, J., &c.
- Reptaria*. See Simpson, G. B.
- Reptile, Sansac Bajocian. See Welsch, J.
- Reptilia, Carboniferous. See Woodward, A. S.; see Williston, S. W.
- , Cretaceous. See Leonhard, R.; see Thévenin, A.; see Ubaghs, C.; see Williston, S. W.
- , Devonian. See Marsh, O. C.
- , Fossil. See Woodward, H., &c.
- , Jurassic. See Andrews, C. W.; see Bigot, A.; see Boule, M.; see Dames, W.; see J. A. Eudes-Deslongchamps; see Gallinek, E.; see Lechien, V.; see Mansel-Pleydell, J. C.; see Marsh, O. C.
- , Mesozoic. See Woodward, A. S.
- , Miocene. See Marsh, O. C.
- , N. American. See —.
- , Palæozoic. See Cope, E. D.
- , Permian. See Case, E. C.; see Jäkel, O.; see Williston, S. W.
- , Restoration of Extinct. See Ride-wood, W. G.
- , S. African. See Seeley, H. G.
- , Tertiary. See Capellini, G.; see Toulou, F.
- , Triassic. See Jäkel, O.
- , — Footprints. See Pabst, W.
- Resegone Massif (Lombardy). See Philippi, E.
- Reteporella*. See Simpson, G. B.
- Reteporina*. See —.
- Reticularia*. See Gürich, G.
- Retiolites*. See Frech, F.; see Perner, J.; see Törnquist, S. L.
- Retusa*. See Cossmann, M.
- Retzia*. See Julien, A.; see Hall, J., &c.
- Retzian. See Sjögren, H.
- Reussianum-zone*. See Woods, H.
- Reval (Esthonia). See Bonsdorff, A.
- Rewah (India). See Datta, P. N.
- Rhabdomeson*. See Gürich, G.
- Rhabdophyllia*. See Ogilvie, M. M.
- Rhacophyllites*. See Fucini, A.
- Rhætic, Boyce Hill. See Winwood, H. H.
- Literature. See Browne, M.
- , Lombardy. See Philippi, E.
- Rhamnus*. See Paolucci, L.
- Rhaphanocrinus*. See Wachsmuth, C., &c.
- Rhine (Westphalia). See Müller, G.
- Rhenian. See Gosselet, J.
- Rhenish Bavaria. See Ammon, L. von, &c.
- Devonian. See Holzapfel, E. L.; see Kayser, E., &c.
- Pliocene Monkey. See Pohlig, H.
- Rhenish Prussia, Devonian. See Leppla, A.
- , Geological Literature. See Rauff, H., &c.
- , Glacial Period. See Voigt, W.
- , Saar-Nahe District Tectonic Geology. See Leppla, A.
- 'Rhétien.' See Lapparent, A. de.
- Rhine & Rhône Rivers. See Lugeon, M.
- District. See Lapparent, A. de.
- Valley (Grisons). See Piperov, C.
- (Hesse, &c.). See Rothpletz, A.
- Rhinidictya*. See Simpson, G. B.
- Rhinobolus*. See Hall, J., &c.
- Rhinoceros*, Quaternary of Ara. See Resetti, G. E.
- Rhipidomella*. See Brown, H. Y. L., &c.; see Hall, J., &c.
- Rhiptozamites*. See Newton, E. T., &c.
- Rhizocrinus*. See Wachsmuth, C., &c.
- Rhizodopsis*. See Barnes, J., &c.
- Rhizomopteris*. See Nathorst, A. G.
- Rhizotrochus*. See Osasco, E.
- Rhode Island (U.S.A.) Forelands. See Gulliver, F. P.
- State. See Crosby, W. O.
- Rhodes (Ægean Sea), Levantine Mol-luscan Fauna. See Bukowski, G. von.
- Rhodesia (S. Africa) Goldfields. See Bordeaux, A.; see Halder, A. H.
- Rhodocrinus*. See Miller, S. A., &c.; see Wachsmuth, C., &c.
- Rhoechinus*. See Törnquist, A.
- Rhombopora*. See Simpson, G. B.
- Rhön (Hesse). See Bucking, H.

- Rhône & Rhine Rivers. See Lugeon, M.
- Basin (France). See Boule, M.; see Cayeux, L.; see Roman, F.; see Torcapel, —.
- Glacier Deposits. See Baltzer, A.
- Valley Tertiaries. See Munier-Chalmas, —.
- Rhopatonaria*. See Simpson, G. B.
- Rhynchippus*. See Ameghino, F.
- Rhynchonella*. See Beyer, E.; see Frech, F.; see Gallinek, E.; see Gürich, G.; see Hall, J., &c.; see Hicks, H., &c.; see Julien, A.; see Leonhard, R.; see Nøtting, F.
- Rhynchopora*. See Hall, J., &c.
- Rhynchospira*. See —.
- Rhynchotrema*. See —.
- Rhynchotreta*. See —.
- Rhyolite, Co. Antrim. See Cole, G. A. J.
- , Ponza Island. See Sabatini, V.
- , Shinano. See Yamasaki, N.
- Riasan (Russia) Cretaceous & Jurassic. See Bogoslawsky, N. A.
- Ricania*. See Meunier, F.
- Rico (Colo.) See Rickard, T. A.
- Rimella*. See Wolff, W.
- Ringicula*. See Cossmann, M.; see Harris, G. F.; see Wolff, W.
- Ringinella*. See Cossmann, M.
- Ripley Co. (Ind.). See Føerste, A. F.
- Ripple-marks. See Cornish, V.
- Rissoa*. See Wolff, W.
- Ristinge Promontory, Langeland. See Andersson, F.
- River Erosion. See Deeley, R. M.
- Gravels, Newbury. See Richards, E. P.
- Valleys, Buried. See Reade, T. M.
- Rivers. See Forel, F. A.
- , Underground. See Delebecque, A.
- ROBERTSON, D. See Stebbing, T. R. R.
- Robin Hood's Bay (Yorks). See Muff, H., &c.
- Rocca Monfina (Campania). See Washington, H. S.
- Roche (La) Clays (Ardennes). See Stainier, X.
- Rochechouart (Haute - Vienne). See Glangeaud, P.
- Rocheux (Belgium) Cinnabar. See Cesàro, G.
- Rochlitz (Saxony). See Danzig, E.
- Rock Classification. See Frech, F.; see Marcou, J.; see Læwinson-Lessing, F.; see Renevier, E.; see Walther, J.
- Cleavage & Dip. See Hitchcock, C. H.
- Cooling. See Lane, A. C.
- Decomposition. See Derby, O. C.; see Reade, T. M.; see Tarr, R. S.
- Deformation. See Van Hise, C. R.
- Differentiation. See Becker, G. F.
- Flexure. See Kindle, E. M.
- Flow. See Adams, F. D., &c.
- & Fracture. See Van Hise, C. R., &c.
- Rock Formation & Pressure. See Ötting, C. W. A.
- , Gases in. See Tilden, W. A.
- , Hardness. See Posiwal, A.
- Magnetism. See Pockels, F.
- Nomenclature. See Læwinson-Lessing, F.
- Shelter, Schweizersbild. See Geikie, J.
- Structure. See Dale, T. N.; see Van Hise, C. R., &c.
- Temperature. See Stirling, J.
- Weathering. See Merrill, G. P.
- —, British Columbia. See Kimball, J. P.
- Rockall (Atlantic Ocean). See Jones, T. R.; see Praeger, R. L.
- Röblingite. See Gaubert, P.; see Penfield, S. L., &c.
- Rœmeria*. See Weissermel, W.
- Rome (Italy). See Clerici, E.; see Meli, R.
- (—), Fossil Fauna. See Portis, A.
- (—), Leucitic Lavas. See Viola, C.
- (—), Petrology. See Washington, H. S.
- Romingerina*. See Hall, J., &c.
- Romney Marsh (Kent). See Rowe, A. W., &c.
- Röntgen Rays & Minerals. See Døelter, C.
- — & Palæontology. See Le-moine, V.
- Rosita (Colo.). See Emmons, S. F.
- Rossano (Calabria). See Greco, B.
- Rossherg (Hesse). See Chelius, C.
- Rossherg Massif (Alsace). See Törnquist, A.
- Rostellaria*. See Gallinek, E.; see Wolff, W.
- 'Rothliegendes' Footprints. See Pabst, W.
- Rottenmann (Styria). See Døelter, C.
- Roudaircia*. See Peron, A.
- Rouen (Seine-Inférieure). See Dollfus, G. F.; see Michel-Lévy, A., &c.
- Roxania*. See Cossmann, M.
- Royal College of Science. See Chambers, T. G.; see Judd, J. W.
- Royal School of Mines. See Chambers, T. G.; see Judd, J. W.
- Rubble Drift, Portslade. See Warren, S. H.
- Rübeland (Harz), Caves near. See Kloos, J. H.
- RÜCKER, A. W. See Chambers, T. G.
- Ruda Deposits (Silesia). See Gäbler, C.
- Rugby (Warwick), Sections along Manchester & Lincoln Railway. See Fox-Strangways, C.; see Woodward, H. B.
- Rügenwalde (Pomerania). See Lepsius, R.
- Rumania. See Anastasiu, V.; see Popovici-Hatzeg, —; see Redlich, K. A.; see Stefanescu, G., &c.; see Teisseyre, L.

- Rumania Alps. See Toula, F.
 —, Lower Cretaceous. See Simionescu, J.
 —, Petroleum. See Anon., 7.
 —, & Salt. See Ochsenius, C.; see Zuber, R.
 —, Tertiary Tortoises. See Toula, F.
 Rumford (Me.) Minerals. See Foote, H. W.
 Rupelian Mollusca. See Reinhard, C.
Rusophycus. See Miller, S. A., &c.
 Russia. See Anon., 13; see Andrussov, N.; see Clerc, O.; see Gaudry, A.; see Golovkinski, N.; see Inostrantzev, A. A.; see Karakash, N.; see Karpinski, A.; see Konchin, A.; see Krasnopolski, A.; see Krusch, P.; see Kusnezov, N. J.; see Levat, E. D.; see Löwinson-Lessing, F.; see Lagorio, A.; see Mushketov, J.; see Nechaiev, A.; see Nikitin, S.; see Pavlov, A. P.; see Rossikov, C.; see Rugévich, K.; see Sabashnikov, T., &c.; see Scharff, R. F.; see Schmidt, F.; see Sederholm, J. J.; see Simonovich, S.; see Sokolov, N., &c.; see Stuckenberg, A.; see Tchernyshev, T.; see Toula, F.; see Vogdt, C. de; see Woodward, H. B.; see Wyssotski, N.
 —, Mining Industries. See Davidson, E.
 — (S.) Crystalline Rocks. See Krotov, P.
 — (—) 'Limans.' See Kurnakov, N.
 — (—) Neogene. See Andrussov, N.; see Dingelstedt, W.
 Russian Gold. See Jaworowski, P.; see Urals.
 — Jurassic Deposits. See Gorodzev, W.
 — Minerals. See Jeremejev, P. W.
 — Ore Deposits. See Krusch, P.
 — Poland, Palaeozoic Fauna. See Gürich, G.
 — Soils. See Rizpologenski, R.
 — Steppes. See Kusnezov, N. J.
 Rutile. See Cayeux, L.; see Giles, W. B.; see Hasselberg, B.; see Mügge, O.
 Saalfeld (Thuringia). See Solms-Laubach, Count H.
 Saar & Nahe District (Rhenish Prussia) Tectonic Geology. See Leppla, R.
 Saarbrück (Rhenish Prussia). See Waltl, V.
 Sabatini Volcanoes (Rome). See Moderni, R.
 Sabie Valley (Transvaal). See Moor, C. W.
 Sacco (Rome). See Viola, C.
 Sady (Posen). See Kühn, B.
 Safflorite. See Mügge, O.; see Ramelsberg, C.
Saffordia. See Winchell, N. H., &c.
Sagenella. See Simpson, G. B.
Sagenites. See Mojsisovics, E. von.
Sagenodus. See Cope, E. D.
Sagrina. See Chapman, F.
 Sahara (Algeria). See Baltzer, A.; see Flamand, G. B. M.
 St.-Affrique (Aveyron). See Nicklès, R.
 St. Austin's Stone (Yorks). See Cole, E. M.
 St. Prieuc (Côtes-du-Nord). See Michel-Lévy, A., &c.
 St. Erth (Cornwall) Pliocene Foraminifera. See Millett, F. W.
 St.-Étienne-du-Grès (Bouches-du-Rhône). See Pellat, E., &c.
 St. Gothard Massif (Switzerland). See Baltzer, A.
 St. Margaret's (Kent). See Rowe, A. W., &c.
 St.-Martin-Vésubie (Alpes-Maritimes). See Bertrand, L.
 St. Michael (Azores). See John, C. von.
 St. Monans (Fife). See Geikie, J.
 St.-Nazaire (Loire-Inférieure). See Barrois, C.
 St. Paul City (Minn.). See Upham, W.
 St. Petersburg (Russia), Geological Congress. See Congress and Russia.
 — (—). See Schmidt, F.
 — (—) University Mineralogical Museum. See Inostrantzev, A. A.
 St. Veit (Lower Austria) Jurassic. See Hochstetter, E. W.
 St. Vincent (Cape Verde). See John, C. von.
 Sta. Ana (Argent.). See Lataste, F.
 Sta. Barbara (Cal.). See Watts, W. L., &c.
 Sta. Cruz (Patagonia). See Mercerat, A.
 Sta. Lucia (Léon), Devonian Fauna. See Ehlert, D. P.
 Ste.-Baume (Bouches-du-Rhône). See Fournier, E.
 Ste.-Croix (Vaud) Neocomian. See Schardt, H.
 Salem (Madras) Corundum. See Middlemiss, C. S.
Salenia. See Cotteau, G., &c.; see Loriol, P. de.
 Salève Mts. (Savoie) Pleistocene Mammals. See Studer, T.
 Saline Co. (Ark.) Bauxite. See Branner, J. C.
 Saline Deposits, Gold in. See Liversidge, A.
Salix. See Paolucci, L.
Salpingostoma. See Winchell, N. H., &c.
 Salt, California. See Crawford, J. J.
 —, Cheshire. See Cooke, J. H.; see De Rance, C. E.; see Ward, T.
 — in Coal. See Koninck, L. L. de.
 —, Durham & Cleveland. See Bell, T.
 —, Galicia. See Windakiewicz, E.
 —, Heilbronn. See Lichtenberger, —.
 —, Rumania. See Ochsenius, C.; see Zuber, R.
 —, Russia. See Krusch, P.; see Tchernyshev, T., &c.

- Salt Springs, Nahe Valley. *See* Heuser, —.
- , U.S.A. *See* Day, D. T., &c.
- Waters, Crimea. *See* Kurnakov, N.
- Salt Range (Panjab) Aluminite. *See* Anon., 42.
- (—) Boulder Bed. *See* Warth, H.
- Salt-Sea Bay (Caspian). *See* Andrussov, N.
- Salta (Argentina). *See* Valentin, J.
- Saltholm (Denmark) Cretaceous. *See* Rordam, K.
- Saltio (Lombardy). *See* Parona, C. F.
- Salvador Republic. *See* Sapper, K.
- — Volcanoes. *See* Gosling, R.
- Salvadorite. *See* Hohmann, T.
- Salzburg (Austria). *See* Frech, F.
- (—) Lias. *See* Krafft, A. von.
- (—) Trias. *See* Bittner, A.
- Samarskite. *See* Delafontaine, M.
- Sambre River (Namur). *See* Malaise, C.
- Samrée Grits (Luxemburg). *See* Gosselet, J.
- Samsö (Denmark). *See* Jessen, A.
- San Faustino (Umbria). *See* Clerici, E.
- San Francisco Peninsula (Cal.). *See* Fairbanks, H. W.; *see* Lawson, A. C.
- San Severino (N.E. Italy). *See* Angelis d'Ossat, G. de, &c.
- Sand, Adriatic Shore. *See* Artini, E.
- Dunes. *See* Cornish, V.
- —, Nova Scotian. *See* Bailey, L. W.
- , Floating. *See* Simonds, F. W.
- Rippling. *See* Cornish, V.
- , W. Prussian Glass. *See* Jentzsch, A.
- Sands, Kansas River Valley. *See* Kirk, M. Z.
- , Mapping Quaternary. *See* Schröder van der Kolk, J. L. C.
- , Sta. Ana. *See* Lataste, F.
- Sandlingites*. *See* Mojsisovics, E. von.
- Sandstones, Keuper. *See* Brodie, P. B.
- Sanguinolites*. *See* Julien, A.; *see* Törnquist, A.
- Sansac (Charente), Bajocian. *See* Welsch, J.
- Sao*. *See* Beecher, C. E.
- São Paulo (Brazil) Mesozoic Reptile. *See* Woodward, A. S.
- Sapindus*. *See* Ettingshausen, C. von; *see* Paolucci, L.
- Sapotacites*. *See* Paolucci, L.
- Sapphire. *See* Curran, J. M.
- , Montana. *See* Kunz, G. F.; *see* Pratt, J. H.
- Saratoga Co. (N.Y.). *See* Darton, N. H.
- Sarawak River Limestone (Borneo). *See* Newton, R. B.
- Sardinia, Igneous Rocks. *See* Bertolio, S.
- Iron Ore. *See* Stockfleth, —.
- , Linarite. *See* Brugnattelli, L.
- , Miocene Birds & Mammals. *See* Shufeldt, R. W.
- Sardinia Minerals. *See* Lovisato, D.
- , Ore-Deposits. *See* Czynskowski, S.
- , Triassic Fauna. *See* Artini, E.
- Sark (Channel Is.). *See* Hill, E.
- Sarmatian Fauna, Wetzelsdorf. *See* Hilber, V.
- Gasteropoda. *See* Hernes, R.
- , S. Russia. *See* Toula, F.
- Sarsens, Belgian. *See* Van den Broeck, E.
- , Dorset. *See* Mansel-Pleydell, J. C.
- Sarthe (France). *See* Guillier, A.
- Sassafras*. *See* Paolucci, L.
- Sauchieburn (Stirling). *See* Monckton, H. W.
- Saumur (Maine-et-Loire). *See* Bureau, L.; *see* Welsch, J.
- Saurocephalus*. *See* Leonhard, R.
- Sauroploleura*. *See* Cope, E. D.
- Saururæ. *See* Dames, W.
- Sauvagesia*. *See* Peron, A.
- Sauve (Gard), Water Supply. *See* Martel, E. A.
- Savoy. *See* Douxami, H.; *see* Haug, E., &c.
- Lakes. *See* Delebecque, A.
- Saxony, Cretaceous. *See* Petraczek, W.
- , Minerals. *See* Frenzel, A.
- (S.) Ore-Deposits. *See* Dalmer, K.
- 'Scaglia.' *See* Trabucco, G.
- Scalariopora*. *See* Simpson, G. B.
- Scalites*. *See* Julien, A.
- Scalpellum*. *See* Leonhard, R.
- Scandinavian Boulders. *See* Howorth, Sir H. H.
- Central Highlands. *See* Törnebohm, A. E.
- , Recent Origin of Surface-Contour. *See* Howorth, Sir H. H.
- Scapanorhynchus*. *See* Priem, F.
- Scephander*. *See* Cossmann, M.; *see* Harris, G. F.
- Scaphella*. *See* Harris, G. F.
- Scaphiocrinus*. *See* Wachsmuth, C., &c.
- Scaphites*. *See* Leonhard, R.
- Scelidosaurus*. *See* Marsh, O. C.
- Scenella*. *See* Winchell, N. H., &c.
- Scenellopora*. *See* Simpson, G. B.
- Sceptropora*. *See* —.
- Schafberg Cave (Salzburg). *See* Fugger, E. B.
- Schaffhausen (Switzerland), Cave-Deposits near. *See* Nüesch, J., &c.
- 'Schalstein' (Harz). *See* Koch, M.
- (Nassau). *See* Kayser, E.
- Schandelah (Brunswick). *See* Bode, G.
- Scheelite. *See* Card, G. W.
- Scheibbs (Lower Austria). *See* Paul, C. M.
- Scheldt (Netherlands) Hydrology. *See* Van Overloop, E.
- Schildberg (Moravia). *See* John, C. von.
- Schilpario (Lombardy). *See* Taramelli, T.
- Schipka (Moravia) Jaw. *See* Munro, R.
- Schists, Anglesey. *See* Greenly, E.

- Schists, Australian Spotted. *See* Roberts, R. W. B.
- Schizaster*. *See* Botto-Micca, L.; *see* Cotteau, G., &c.
- Schizoerania*. *See* Hall, J., &c.
- Schizodus*. *See* Barnes, J., &c.; *see* Smith, J. P.; *see* Nathorst, A. G.
- Schizolophia*. *See* Winchell, N. H., &c.
- Schizoneura*. *See* Rordam, K., &c.
- Schizophoria*. *See* Hall, J., &c.
- Schizostoma*. *See* Julien, A.
- Schizotreta*. *See* Hall, J., &c.
- Schleswig-Holstein. *See* Lepsius, R.; *see* Splieth, W.; *see* Stolley, E.
- , Glacial Mammals. *See* Aagaard, C. E.
- , Tertiaries. *See* Reinhard, C.
- , Schlier. *See* Angelis d'Ossat, G. de, &c.
- Schlaenbachia*. *See* Leonhard, R.; *see* Parona, C. F., &c.; *see* Peron, A.; *see* Smith, J. P.; *see* Steinmann, G., &c.
- Schlotheimia*. *See* Parona, C. F.
- Schmidtella*. *See* Frech, F.; *see* Winchell, N. H., &c.
- Schmollnitz (Hungary). *See* Steinhauz, J.
- Schwagerina*. *See* Verbeek, R. D. M., &c.
- Schwarzenberg (Saxony). *See* Dalmer, K.
- Schweizersbild (Schaffhausen). *See* Geikie, J.; *see* Nüesch, J., &c.
- Schwerin (Mecklenburg). *See* Lepsius, R.
- Schwieberdingen (Württemberg) Muschelkalk Fauna. *See* Philippi, E.
- , Scialets. *See* Caverns.
- Sciurus*. *See* Nüesch, J., &c.
- Sclerosmia*. *See* Ogilvie, M. M.
- Scoliostoma*. *See* Beyer, E.
- Scoresby Sound (Greenland). *See* Hartz, N., &c.
- Scotland. *See* Atkinson, J. B., &c.; *see* Symes, R. G., &c.; *see* Woodward, H. B., &c.
- , Carboniferous Fauna. *See* Thomson, J.; *see* Young, J.
- , Coalfields. *See* Hull, E.
- , Geological Survey. *See* Anon., 11; *see* Geikie, Sir A.
- , Glacial Submergence. *See* Bell, D.
- , Mines. *See* Atkinson, J. B., &c.
- , Palæozoic. *See* Törnquist, S. L.
- , Pre-Cambrian. *See* Hicks, H.
- , Volcanoes. *See* Geikie, Sir A.
- Scottish Geology & Mineralogy. *See* Goodchild, J. G.
- Scutella*. *See* Koch, A.
- Scytalia*. *See* Zeise, O.
- Scytalocrinus*. *See* Wachsmuth, C., &c.
- Sea & Land, Changes of. *See* Löwinson-Lessing, F.
- Sea-Basins. *See* Murray, G.
- , Beach, Carboniferous. *See* Barnes, J., &c.
- , Bed Changes. *See* Milne, J.
- , Deposits. *See* Walther, J.
- Sea Depths, Ancient. *See* Wethered, E. B.
- , Water, Gold in. *See* Don, J. R.
- Seas, Origin of. *See* Morris, C.
- , Physical Conditions. *See* Wharton, W. J. L.
- Sebenico (Dalmatia). *See* Kerner, F. von.
- Secondary Formations, S.E. France. *See* Kilian, W.
- , *See also* Mesozoic.
- Sections of Minerals. *See* Wallerant, F.
- , Surveying Horizontal. *See* Campbell, M. R.
- Sedgwickia*. *See* Barnes, J., &c.
- Sedimentation, Clay. *See* Thoulet, J.
- Seeg (Bavaria). *See* Lepp, A.
- Seelya*. *See* Winchell, N. H., &c.
- Seethal (Styria). *See* Dølter, C.; *see* Ippen, J. A.
- Segregation, Ore. *See* Browne, D. H.; *see* Launay, L. de.
- , Rock. *See* Becker, G. F.
- Seine River (France). *See* Davis, W. M.
- Seismographs. *See* Baratta, M.; *see* Davison, C.; *see* Ehlert, R.; *see* Milne, J.; *see* Rebeur-Paschwitz, E. von; *see* Thévenet, —; *see* Turner, H. H.
- Seismology. *See* Agamennone, G.
- , *See* Earthquakes.
- Selachian Jurassic Fishes. *See* Bigot, A.
- Seladonite. *See* Gumbel, C. W. von, &c.
- Selenogyra*. *See* Ogilvie, M. M.
- Selenopora*. *See* Simpson, G. B.
- Selsey Bill (Sussex). *See* Reid, C.
- Semiactæon*. *See* Cossmann, M.
- Semicosciniuum*. *See* Simpson, G. B.
- Seminula*. *See* Hall, J., &c.
- Semiopora*. *See* Simpson, G. B.
- Seneca Co. (N.Y.). *See* Lincoln, N. F.
- Senftenberg (Brandenburg) Brown Coal. *See* Potonié, H.
- Senonian. *See* Trabucco, G.
- , Belemnites, N. European. *See* Stolley, E.
- , Fishes' Teeth. *See* Priem, F.
- Septifer*. *See* Kœnen, A. von.
- Septopora*. *See* Simpson, G. B.
- Sequanian. *See* Rollier, L.
- Sequoia*. *See* Paolucci, L.
- Serpentine, Central Alps. *See* Weinschenk, E.
- , Rautenthal. *See* Raisin, C. A.
- , Volcanic Action on. *See* Lacroix, A.
- Serpula*. *See* Gallinek, E.; *see* Kœnen, A. von; *see* Kossmat, F.; *see* Loriol, P. de.
- Serra, Monte (N.E. Italy). *See* Canavari, M.
- Serraval (Savoy). *See* Haug, É., &c.
- Servia, Karst Phenomena. *See* Cvijić, J.
- Severn, Excursion from the Mersey to the. *See* Barr, W. B.
- Shacklewell (Middlx.) Pleistocene Plants. *See* Reid, C.

- Shap Fells (Westmoreland) Granite Boulders in England and Wales. *See* Foster-Barham, H. G., &c.; *see* Sheppard, T.
- Shearing, Rock. *See* Van Hise, C. R.
- Shea's Creek (N.S.W.). *See* Etheridge, R., Jun., &c.
- 'Sheetflood' Erosion, Mexico. *See* McGee, W. J.
- Shelford (Victoria), Miocene Age of Conglomerate. *See* Dennant, J., &c.
- Shell-Mounds, Florida. *See* Cushing, F. H.
- Shells. *See* Gregorio, A. de.
- Shillong (Assam) Earthquake. *See* Oldham, R. D.
- Shinano (Japan) Rhyolite. *See* Yamasaki, N.
- Shingle-Ridges, Dungeness. *See* Gulliver, F. P.
- Shore-Deposits, Morbihan. *See* Barrois, C.
- Shore-lines. *See* Beaches.
- , Finland. *See* Berghell, H.; *see* Herlin, R.; *see* Ramsay, W.; *see* Sederholm, J. J.; *see* Wahlroos, A.
- Shropshire Superficial Deposits. *See* Callaway, C.
- Shumardia*. *See* Frech, F.
- Siberia. *See* Krahmer, —.
- (E.), Gold. *See* Levat, E. D.; *see* Sabashnikov, T., &c.
- Faunal Migrations. *See* Scharff, R. F.
- , Pleistocene Climate. *See* —.
- Sibyllites*. *See* Hauer, F. von.
- Sicily, Aragonite. *See* Viola, C.
- , Insects in Amber. *See* Tosi, A.
- Siderastræa*. *See* Ogilvie, M. M.; *see* Osasco, E.
- Siderite. *See* Binns, G. J., &c.
- Siderolitic Deposits, Lissieu. *See* Chantre, E., &c.
- Siebenbürgen. *See* Transylvania.
- Siebengebirge (Rhenish Prussia). *See* Laspeyres, H.
- (—) Trachyte. *See* Bruhns, W.
- Sieberella*. *See* Hall, J., &c.
- Siena (Tuscany). *See* Angelis d'Ossat, G. de.
- Sierra de Malargue (Argentina). *See* Steuer, A.
- Sierra Nevada (Cal.). *See* Lindgren, W.; *see* Russell, J. C.
- Sigillaria*. *See* Kidston, R.; *see* Seward, A. C.
- Silesia (Upper), Coalfield. *See* Gæbler, C.
- (—), Cretaceous Fauna. *See* Leonhard, R.
- Earthquake, 1895. *See* Dathe, E.
- *Elephas*. *See* Volz, W.
- Highlands. *See* Guckler, J.
- Muschelkalk Fauna. *See* Volz, W.
- Silica, Solubility. *See* Campbell, M. R.; *see* Hayes, C. W.
- Silicate Minerals. *See* Hintze, C.
- Siliceous Oolite, Pennsylvanian. *See* Wieland, G. R.
- Tertiary Beds. *See* Cayeux, L.
- Silicotungstates. *See* Wyrubov, G.
- Siliqua*. *See* Kossmat, F.; *see* Wolff, W.
- Siljan Lake District (Dalarne), Graptolite & Trilobite Faunas. *See* Törnquist, S. L.
- Sill Structure in N.S.W. Eruptive Rocks. *See* David, T. W. E.
- Sillimanite - Gneisses, Anglesey. *See* Greenly, E.
- Silurian between the Sambre & Meuse Rivers. *See* Malaise, C.
- , Alabama. *See* McCalley, H.
- , Bohemia & Brittany. *See* Počta, P.
- Brachiopoda. *See* Hall, J., &c.; *see* Mickwitz, A.; *see* Whitfield, R. P.
- , Co. Dublin. *See* Gardiner, C. I., &c.
- Corals. *See* Weissermel, W.; *see* Whiteaves, J. F.
- Crinoidea, Melbourne. *See* Bather, F. A.
- Devonian Fauna, Canada. *See* Matthew, G. F.
- Echinoidea. *See* Gregory, J. W.
- Fauna. *See* Dawson, Sir J. W.; *see* Frech, F.; *see* Törnebohm, A. E.; *see* Törnquist, S. L.
- in Trias, Lower Austria. *See* Bittner, A.
- , Minnesota. *See* Winchell, N. H., &c.
- , N.Y. State. *See* Girty, G. H.; *see* Hall, J., &c.; *see* Ruedemann, R.; *see* Simpson, F.
- , Ontario. *See* Grant, C. C.
- , S. America. *See* Kayser, E.
- , Swedish. *See* Holm, G.
- Graptolite & Trilobite Faunas. *See* Törnquist, S. L.
- Graptolites. *See* Perner, J.; *see* Ruedemann, R.
- , Indiana. *See* Færste, A. F.
- , Lake Champlain. *See* Brainerd, E., &c.
- , N. American Lower. *See* Sardeson, F. W.
- Ostracoda. *See* Krause, A.
- Phyllocaridæ. *See* Whitfield, R. P.
- , S.W. of England. *See* Hicks, H., &c.
- Sponges & Cœlenterata. *See* Girty, G. H.
- , Staffs. *See* Anon., 20.
- , Sweden. *See* Grönwall, K. A.; *see* Wiman, C.
- Trilobites, N.S.W. *See* Etheridge, R., Jun., &c.
- , Waterford. *See* Reed, F. R. C.
- , Westmoreland. *See* Dakyns, J. R., &c.
- , Wyoming & Dakota. *See* Beecher, C. E.

- Silver, Andes. *See* Rosel, R. G.
 —, Bolivia. *See* Stelzner, A. W.
 —, California. *See* Crawford, J. J.
 —, Canada. *See* Hoffmann, G. C.
 —, Chile. *See* Gautier, F.
 —, Colorado. *See* —; *see* Rickard, T. A.
 —, Mexico. *See* Aguilera, J. G., &c.
 —, N.S.W. *See* Coghlan, T. A.
 —, N. Andalusia. *See* Wittelsbach, A. O.
 —, Russia. *See* Krusch, P.
 Silver Cliff (Colo.). *See* Emmons, S. F.
Simocephalus. *See* Wesenberg-Lund, C.
Siphonalia. *See* Martin, K.
Siphonia. *See* Leonhard, R.; *see* Zeise, O.
Siphonocrinus. *See* Wachsmuth, C., &c.
Siphonothallus. *See* Rothpletz, A.
Siphonotreta. *See* Hall, J., &c.; *see* Matthew, G. F.
Siremites. *See* Mojsisovics, E. von.
 Sisteron (Basses-Alpes). *See* Kilian, W.
 Sjælland (Denmark). *See* Hintze, V.; *see* Ravn, J. P. J.
 Skåne (Sweden). *See* Rosenkjær, H. N.
 — (—) Graptolite Fauna. *See* Törnquist, S. L.
 — (—) Silurian. *See* Grönwall, K. A.; *see* Törnquist, S. L.
 Skate, Palæozoic. *See* Eastman, C. R.
 Skiddaw Slates. *See* Postlethwaite, J.
 Skolezite. *See* Habert, P. C.
 Skomer I. (St. Bride's Bay). *See* Howard, F. T., &c.
 Skutterudite. *See* Rammelsberg, C.
 Skyros (Greece). *See* Lacroix, A.
 Slate's Springs (Cal.). *See* Fairbanks, H. W.
 Slates, Pyrenees. *See* Pyrenees.
 Slieve Gallion (Co. Londonderry). *See* Cole, G. A. J.
 Sloth-Remains, Big Bone Cave. *See* Mercer, H. C.
 Småland (Sweden), Quaternary Plants. *See* Nathorst, A. G.
 — (—) Watercourses. *See* Hollender, A.
Smilar. *See* Paolucci, L.
 SMITH, W. *See* Judd, J. W.
 Smyrna (Asia Minor). *See* Washington, H. S.
 SMYTH, SIR W. W. *See* Chambers, T. G.
 Soapstone. *See* Day, D. T., &c.
 Soggedal (S.W. Norway). *See* Kolderup, C. F.
 Soils, Alabama. *See* McCalley, H., &c.
 —, Belgium. *See* Dewalque, G., &c.
 —, Canada. *See* Shutt, F. T.
 —, Darmstadt. *See* Klemm, G., &c.
 —, Hungary. *See* Inkey, B. von; *see* Halaváts, J.
 —, Lower Congo. *See* Stuyvaert, E.
 —, Nebraska. *See* Barbour, E. H.
 —, Prov. Rome. *See* Clerici, E.
 —, Russia. *See* Rizpologenski, R.; *see* Sibirtzev, N.
 Soils, Zeolites in. *See* Merrill, G. P.
 Soissons (Aisne). *See* Thomas, H.
Solarietta. *See* Cossmann, M.
Solarium. *See* —; *see* Harris, G. F.
 Solenhofen (Bavaria) *Coccolithis*. *See* Crick, G. C.
 — (—) Fish. *See* Philippi, E.
Solenocheilus. *See* Foord, A. H., &c.; *see* Miller, S. A., &c.
Solenopsis. *See* Julien, A.
Solenospira. *See* Winchell, N. H., &c.
 Sollerön (Svealand) Phosphorite. *See* Hedström, H.
Solmsia. *See* Nathorst, A. G.
 Sologne (Loiret). *See* Grossouvre, A. de.
 Solubility of Silica. *See* Campbell, M. R.; *see* Hayes, C. W.
 Somaliland (E. Africa), Belemnites. *See* Crick, G. C.
 Somerset. *See* Geikie, Sir A., &c.; *see* Hunt, A. R.
 — Coalfield. *See* Greenwell, G. C.; *see* Mitton, A. D.
 —, Rhætic Bone-Bed. *See* Browne, M.
 — (W.), Morte Slates, &c. *See* Hicks, H., &c.
 Somme (Picardy) Phosphate of Lime. *See* Gosselet, J.
 Sommières (Gard). *See* Roman, F.
 Sone Valley (Rawah). *See* Datta, P. N.
Sonneratia. *See* Parona, C. F., &c.
Sophora. *See* Paolucci, L.
Sorex. *See* Nüesch, J., &c.
 South Australia. *See* Boyd, W. C.
 —, Borings. *See* Howchin, W.
 —, Fossil Birds. *See* Stirling, E. C., &c.
 — Glaciation. *See* David, T. W. E., &c.
 —, Mineral Resources. *See* Coghlan, T. A.
 —, Northern Territory. *See* Brown, H. Y. L., &c.
 —, Palæozoic Fauna. *See* —.
 —, Pre-Cambrian Radiolaria. *See* David, T. W. E., &c.
 South Mountain (Pa.) Aporhyolite. *See* Bascom, F.
 Southcar (Notts) Boring. *See* Dunston, G.
 Southampton (Hants) New Dock & Mudlands. *See* Shore, T. W., &c.
 Spain. *See* Beyrich, E., &c.; *see* Puig y Larraz, G.
 —, Devonian Fauna. *See* Ehlert, D. P.
 —, Ore-Deposits. *See* Czyszkowski, S.
 Sparagmite - Formation, Scandinavia. *See* Törnebohm, A. E.
Sparanium. *See* Solms-Laubach, Count H.
 Sparnacian. *See* Munier-Chalmas, —.
 Spatangidæ. *See* Schlüter, C.
 —, Swiss Oligocene. *See* Hagmann, G.
Spatangus. *See* Botto-Micca, L.

- Speeton Clay. See Stather, J. W.
Spermophilus. See Nüesch, J., &c.
 Spessart Wald (Bavaria). See Klemm, G.
 Speyer (Rhenish Bavaria). See Ammon, L. von, &c.
 Spezia, Gulf of (Italy), Submarine Eruptions. See Rudolph, E.
Sphærainema. See Smith, J.
Sphæroceras. See Nœtling, F.
Sphæroidina. See Chapman, F.
Sphærophthalmus. See Frech, F.
Sphærostroma. See Gürich, G.
Sphærozoum. See Hinde, G. J.
 Sphalerite. See Binns, G. J., &c.
Sphenodiscus. See Peron, A.
Sphenodon. See Case, E. C.
Sphenophyllum. See Solms-Laubach, Count H.
Sphenopteris. See Dun, W. S.; see Fritsch, K. von; see Nathorst, A. G.; see Seward, A. C.
Sphragiopora. See Simpson, G. B.
 Spider, Carboniferous. See Geinitz, H. B.
Spinax. See Leonhard, R.
 Spinel. See Gaubert, P.
Spirifer. See Béclard, F.; see Beyer, E.; see Etheridge, R., Jun.; see Frech, F.; see Gürich, G.; see Hall, J., &c.; see Hicks, H., &c.; see Julien, A.; see Kayser, E.; see Ehlert, D. P.
Spiriferina. See Hall, J., &c.; see Julien, A.
Spirillina. See Chapman, F.
Spirocyclina. See Lorenzo, G. de.
Spirorbis. See Ehlert, D. P.
 Spitsbergen. See Conway, Sir W.; see Ramond, G., &c.
 —, Jurassic Flora. See Nathorst, A. G.
 —, Tertiary Fauna. See —.
Spondiocarpus. See Warburg, O.
Spondylus. See Kossmat, F.
 Sponge Spicules, Monte Fenera Limestone. See Resetti, G. E.
 Sponges. See Cayeux, L.
 —, Cretaceous. See Böhm, G.; see Leonhard, R.
 —, Jurassic. See Fraas, E.; see Rothpletz, A.
 —, Lake Siljan Phosphorite. See Hedström, H.
 —, Lower Helderberg. See Girty, G. H.
 —, Quebec Group. See Dawson, Sir J. W.
 —, Stramberg Deposits. See Zeise, O.
Spongilla. See Card, G. W., &c.; see Wesenberg-Lund, C.
Spongoprimum. See Cayeux, L.
Spongurus. See —.
Sporodopyle. See Zeise, O.
Sporangites. See Duden, H.
 Spring River Valley (Kan.). See Hershey, O. H.
 Springs, Submarine. See Milne, J.
 Spy (Belgium) Skull. See Munro, R.
Squamularia. See Rothpletz, A.
 Stability of Hill-Slopes. See Holland, T. H.
Stachyodes. See Gürich, G.
 Staffordshire. See De Rance, C. E.
 —, Carboniferous. See Anon., 24.
 —, Coalfield. See Anon., 20; see Cantrill, T. C.
 —, Silurian. See Anon., 16.
Staurodictya. See Cayeux, L.
Stauroneis. See Card, G. W., &c.; see Elmore, C. J.
Staurosphæra. See Hinde, G. J.
 Stavelof (Liège) Cambrian Massif. See Gosselet, J.
 Steatite Mines, Burma. See Hayden, H. H.
 STEENSTRUP, J. J. S. See Svedmark, E.
 Stegacephali, Permian. See Jækel, O.
Steganoerinus. See Miller, S. A., &c.; see Wachsmuth, C., &c.
Stegosaurus. See Marsh, O. C.
Steinmannites. See Mojsisovics, E. von.
Stelidocrinus. See Wachsmuth, C., &c.
Stenarcestes. See Mojsisovics, E. von.
Stenorrhachis. See Nathorst, A. G.
Stenosaurus. See Bigot, A.
Stenoschisma. See Hall, J., &c.
Stenotheca. See Matthew, G. F.; see Winchell, N. H., &c.
Stephanella. See Dawson, Sir J. W.
 Stephanite. See Harrison, W. J., Jun.; see Spencer, L. J.
Stephanoceras. See Hochstetter, E. von; see Steuer, A.
Stephanocenia. See Ogilvie, M. M.
Stephanocrinus. See Wachsmuth, C., &c.
 Steppes, Russian. See Kusnezov, N. J.
Stereocidaris. See Leonhard, R.
Stereocrinus. See Miller, S. A., &c.; see Wachsmuth, C., &c.
Stereosternum. See Woodward, A. S.
Sterrholophus. See Marsh, O. C.
 Stettin (Prussia). See Lepsius, R.
 Stevenston (Ayr). See Smith, J.
Stichomitra. See Cayeux, L.
Stictocella. See Simpson, G. B.
Stictopora. See —.
Stictoporina. See —.
 Stilbite. See Habert, P. C.; see Rammeisberg, C.
Stilotherium. See Ameghino, F.
 Stirling (Scotland). See Monckton, H. W.
 Stockerau (Lower Austria). See Krafft, A. von.
 Stockholm Exhibition. See Brough, B. H.; see Erdmann, E.
 Stolzite. See Card, G. W.; see Hlawatsch, C.
Stomatograptus. See Frech, F.
Stomatopora. See Simpson, G. B.
 Stone (Bucks). See Davies, A. M., &c.

- Stone Implements. *See* Burnard, R.; *see* Evans, Sir J.; *see* Spleith, W.
 ———, *See* Flint Implements.
- Stonesfield Slate. *See* Walford, E. A.
- Storthingocrinus. *See* Ehlert, D. P.
- Stralsund (Prussia). *See* Lepsius, R.
- Stramberg (Moravia) Fauna. *See* Möricke, W.; *see* Ogilvie, M. M.; *see* Zeise, O.
- Strambergia. *See* Zeise, O.
- Straparollus. *See* Julien, A.
- Strassburg (Alsace) Earthquakes. *See* Ehlert, R.; *see* Rebur-Paschwitz, E. von.
- Strata, Classification of. *See* Marcou, J.; *see* Moulron, M.; *see* Renevier, E.
- Stratigraphical Nomenclature. *See* Bittner, A.
- Stream Robbing. *See* Darton, N. H.
- Streblopteria. *See* Törnquist, A.
- Streblotrypa. *See* Simpson, G. B.
- Streptelasma. *See* Sardeson, F. W.
- Streptorhynchus. *See* Hall, J., &c.; *see* Hicks, H.
- Striae, not Glacial. *See* Pasquier, L. du.
- , Rock. *See* Meunier, S.
- , Pre-Glacial. *See* Schiötz, O. E.
- Striatopora. *See* Gürich, G.
- Stricklandia. *See* Hall, J., &c.
- Strike & Dip. *See* Blaas, J.
- Strobilepis. *See* Matthew, G. F.
- Stromatoporidae, Canadian Palæozoic. *See* Whiteaves, J. F.
- , Silurian. *See* Girty, G. H.; *see* Lebedev, N.
- Stromboli (Lipari Is.). *See* Rudolph, E.
- Minerals, &c. *See* Bergeat, A.
- Strombus. *See* Harris, G. F.; *see* Peron, A.
- Strontium. *See* Plathan, A.
- Minerals. *See* Traube, H.
- Strophalosia. *See* Beyer, E.; *see* Hall, J., &c.
- Strophella. *See* Matthew, G. F.
- Stropheodonta. *See* Hall, J., &c.; *see* Hicks, H., &c.; *see* Ehlert, D. P.
- Strophomena. *See* Frech, F.; *see* Hall, J., &c.; *see* Hicks, H.; *see* Julien, A.
- Strophonella. *See* Hall, J., &c.
- Strophostylus. *See* Winchell, N. H., &c.
- Strotocrinus. *See* Wachsmuth, C., &c.
- Strotopora. *See* Simpson, G. B.
- Struthiolaria. *See* Harris, G. F.
- Strybeek (Antwerp). *See* Moulron, M.
- Stylina. *See* Ogilvie, M. M.
- Stylinodon. *See* Marsh, O. C.
- Stylinodontida. *See* Wortman, J. L.
- Styliola. *See* Harris, G. F.; *see* Steinmann, G., &c.
- Stylodictya. *See* Cayeux, L.
- Stylohelia. *See* Koby, F.
- Stylolites. *See* Hopkins, T. C.
- Stylolithic Markings. *See* Fuchs, T.
- Stylophyllum. *See* Ogilvie, M. M.
- Stylosmia. *See* ———.
- Stylotrachus. *See* Leonhard, R.
- Styria (Austria). *See* Dreger, J.; *see* Salomon, W.
- (——) Crystalline Rocks. *See* Døelter, C.; *see* Ippen, J. A.
- (——) Earthquakes, 1896. *See* Mojsisovics, E. von.
- (——) Glaciation. *See* Doll, E.
- (——) Minerals. *See* Frenzel, A.
- Sub-Oceanic Changes. *See* Milne, J.
- Subclymenia. *See* Crick, G. C.
- Submarine Earthquakes & Eruptions. *See* Rudolph, E.
- Elevation, S.W. Pacific. *See* Murray, J.
- Forest Bed, Maenporth. *See* Roberts, S.
- Submerged Forest near Sydney. *See* Etheridge, R., Jun., &c.
- Subsidence, Cheshire. *See* Cooke, J. H.
- , Lake Leprignano. *See* Meli, R.
- Subulites. *See* Winchell, N. H., &c.
- Suchodus. *See* Bigot, A.
- Sudak (Crimea). *See* Vogdt, C. de.
- Sudbury (Ont.) Nickel District. *See* Walker, T. L.
- Suffolk. *See* Geikie, Sir A., &c.
- Sulens, Mt. (Savoy). *See* Haug, É., &c.
- Sulphides, Melting-Points. *See* Cusack, R.
- Sulphur in Coal. *See* John, C. von.
- , U.S.A. *See* Day, D. T., &c.
- Sumatra (N.). *See* Easton, N. W.
- Sunderland (Durham) Glaciation. *See* Kendall, P. F.
- Superior, Lake. *See* Lake Superior.
- Suram (Transcaucasia). *See* Simonovich, S.
- Surinam (Dutch Guiana) Gold. *See* Granger, H. G.
- Suriraya. *See* Elmore, C. J.
- Surnia. *See* Nüesch, J., &c.
- Surtarbrand (N.W. Iceland) Diatomaceous Earth. *See* Östrup, E.
- Surveying. *See* Kahle, P.
- , Geological. *See* Blaas, J.; *see* Campbell, M. R.; *see* Kahle, P.; *see* Schröder van der Kolk, J. L. C.
- Sus. *See* Bogino, F.; *see* Pomel, A.; *see* Portis, A.
- Sussex. *See* Geikie, Sir A., &c.
- Swabian Alps (Württemberg). *See* Branco, W.; *see* Fraas, E.
- , Lowland Pleistocene. *See* Fraas, E.
- White Jura Ammonites. *See* Engel, T.
- Swallow-holes. *See* Caverns.
- Swanage (Dorset). *See* Mansel-Pleydell, J. C.
- Sweden, Apatite-Deposits. *See* Andersson, J. G.
- , Earthquakes. *See* Svedmark, E.
- , Geological Survey. *See* Erdmann, E.
- , Glacial Mammals. *See* Aagaard, C. E.

- Sweden, Glaciation. *See* Andersson, G.; *see* Hollender, A.
- Graptolite & Trilobite Faunas. *See* Törnquist, S. L.
- , Gravel Ridges. *See* Geer, G. de.
- , Highland Rocks. *See* Törnebohm, A. E.
- , Mining Industries. *See* Brough, B. H.
- Palæozoic Fauna. *See* Holm, G.; *see* Törnebohm, A. E.
- , Pre-Cambrian Nomenclature. *See* Sederholm, J. J.
- , Quaternary. *See* Munthe, H.
- , — Plants. *See* Nathorst, A. G. (S.). *See* Rosenkjær, H. N.
- Switzerland. *See* Favre, E., &c.; *see* Schardt, H.; *see* Schmidt, C.
- , Alps. *See* Haug, E.; *see* Heim, G.; *see* Zeller, R.
- , Cretaceous Corals. *See* Koby, F.
- , Diluvial Deposits. *See* Baltzer, A.
- , Earthquakes. *See* Billwiller, R. (E.). *See* Ball, J.; *see* Piperov, C.
- , Geological Congress. *See* Baltzer, A.; *see* Du Pasquier, L.; *see* Fabre, —; *see* Früh, J.; *see* Mühlberg, F.; *see* Musy, M.; *see* Raveneau, —; *see* Schardt, H.; *see* Schmidt, C.
- , Geological Survey. *See* Äppli, A.
- , Glaciers. *See* Pawson, A. H.
- , Gorges. *See* Wallace, A. R.
- , Minerals. *See* Robert, W.
- , Mountains. *See* Holden, E. S.
- , Pleistocene Mammals. *See* Studer, T.
- , River-Valleys. *See* Lugeon, M.
- Sydney (N.S.W.), Submerged Forest near. *See* Etheridge, R., Jun., &c.
- Syenite. *See* Berwerth, F.
- , Mont Genève. *See* Kilian, W.
- Symbathocrinus*. *See* Wachsmuth, C., &c.
- Symbols, Geological. *See* Guébard, A.
- Symphysaurus*. *See* Frech, F.
- Syncardia*. *See* Solms-Laubach, Count H.
- Synechodus*. *See* Priem, F.
- Synedra*. *See* Card, G. W., &c.; *see* Elmore, C. J.
- Synocladia*. *See* Simpson, G. B.
- Synthesis, Mineral. *See* Dørlter, C. —. *See* Minerals, Artificial.
- Syntrophia*. *See* Hall, J., &c.; *see* Reed, F. R. C.
- Syria, Basalt. *See* Potz, W.
- , Cenomanian Echinodermata. *See* Loriol, P. de.
- Syringopora*. *See* Julien, A.; *see* Weissermel, W.
- Syringostroma*. *See* Girty, G. H.
- Syringothyris*. *See* Etheridge, R., Jun.; *see* Hall, J., &c.
- Systemodon*. *See* Wortman, J. L.
- SZABÓ, J. *See* Koch, A.
- Sze-chuan (China). *See* Bishop, Mrs. I.
- Tabasco (Mexico). *See* Sapper, C.
- Tabellaria*. *See* Elmore, C. J.
- Tabernamontana*. *See* Ettingshausen, C. von.
- Table Cape (Tasmania) Beds. *See* Pritchard, G. B.
- Tachylyte. *See* Heddle, M. F.
- , Co. Down. *See* Cole, G. A. J.
- Taconic System, U.S.A. *See* Winchell, N. H.
- Tæniodictya*. *See* Simpson, G. B.
- Tæniopora*. *See* Nathorst, A. G.
- Tæniopteris*. *See* —.
- Talarocrinus*. *See* Miller, S. A., &c.; *see* Wachsmuth, C., &c.
- Talcose Schist, Zinal. *See* Bonney, T. G.
- Talpa*. *See* Nüesch, J., &c.
- Tambach (Thuringia). *See* Pabst, W.
- Tamiobatis*. *See* Eastman, C. R.
- Tanfield Lea (Durham). *See* Noble, A., &c.
- Tanganyika District (Central Africa). *See* Moore, J. E. S.
- Tanocrinus*. *See* Wachsmuth, C., &c.
- Tapirus*. *See* Gaudry, A.
- Tarawera, Mount (N.Z.). *See* Cadell, J. M.
- Tarbes (Pyrenees). *See* Carez, L.
- Tardree (Co. Antrim) Volcano. *See* Cole, G. A. J.
- Tarnowaner Wald (Styria). *See* Kossmat, F.
- Tasmania, Auriferous Gravel. *See* Thornley, E. M.
- , Gold. *See* Jolly, E.
- , Igneous Rocks. *See* Twelvetrees, W. H.
- , Mineral Resources. *See* Coghlan, T. A.
- , Miocene Fauna. *See* Pritchard, G. B.
- , Tin. *See* Kayser, H. W.
- , Zircons. *See* Anon., 28.
- Tauern Alps District (Austria). *See* Dørlter, C.; *see* Ippen, J. A.; *see* Vaček, M.
- (—), Gold Deposits. *See* Krusch, P.
- Taunus (Hesse) Rocks. *See* Rothpletz, A.
- Tavastomon Hills (Finland). *See* Herlin, R.
- Taverny (Seine-et-Oise). *See* Martel, E. A., &c.
- Taxites*. *See* Nathorst, A. G.
- Taxocrinus*. *See* Wachsmuth, C., &c.
- Taxodium*. *See* Paolucci, L.
- Technocrinus*. *See* Wachsmuth, C., &c.
- Technophorus*. *See* Winchell, N. H., &c.
- Tectonic Geology. *See* Bertrand, M.; *see* Rothpletz, A.; *see* Sacco, F.
- Symbols. *See* Guébard, A.
- Tectulipora*. *See* Simpson, G. B.
- Tectuliporella*. *See* —.
- Teeth, *Anthracotherium*. *See* Flores, E.
- , Cretaceous Fishes. *See* Priem, F.
- , Roman Quaternary Mammalian. *See* Meli, R.

- Teinostoma*. See Kossmat, F.
 Tekna (N.W. Africa). See Zaytoun, F. S.
Teleiocrinus. See Wachsmuth, C., &c.
Teleochilus. See Harris, G. F.
Teleosaurus. See Deslongchamps, J. A. Eudes.
Tellinomya. See Bolton, H.
Tellina. See Kuenen, A. von; see Kossmat, F.; see Mayer-Eymar, E.; see Steinmann, G., &c.; see Wolff, W.
 Telluride (Colo.). See Porter, J. A.
 — of Bismuth. See Card, G. W.
 — of Gold, Kalgoorlie Goldfield. See Maitland, A. G.
 Tellurium, Japanese. See Chikaskige, M.
 — Minerals. See Louis, H.; see Muthmann, W., &c.
 Temescal (Cal.). See Fairbanks, H. W.
Temnocheilus. See Foord, A. H., &c.; see Hauer, F. von; see Miller, S. A., &c.
 Temperature, Earth. See Stirling, J.
 —, Underground. See Branco, W., &c.
 Tennessee (U.S.A.), Big Bone Cave. See Mercer, H. C.
 —, Lower Silurian. See Winchell, N. H., &c.
 Tennessee Valley (Ala.). See McCalley, H.
 Tenot Valley (Chile). See Stange, P.
Tentaculites. See Gürich, G.; see Kayser, E.
Terebra. See Cossmann, M.; see Hall, T. S., &c.; see Harris, G. F.
Terebratulina. See Beyer, E.; see Frech, F.; see Fucini, A.; see Kossmat, F.; see Lorenzo, G. de; see Nötling, F.; see Wolff, W.
Teredo. See Reinhard, C.
Terminalia. See Paolucci, L.
 Terminology, Shells. See Gregorio, A. de.
 Terraced Hill-Slopes, Oxon. See Walford, E. A.
 Terraces, Villefranche-sur-Saône. See Mortillet, G. de.
 Tertiaries, Algeria. See Blayac, J.; see Depéret, C.; see Flamand, G. B. M.; see Welsch, J.
 —, Belgium. See Mourlon, M.; see Rutot, A.; see Van den Broeck, E.; see Velge, G.
 —, Eu. See Munier-Chalmas, —.
 —, Galatina Basin. See Franchis, F. de.
 —, Livonia. See Doss, B.
 —, Melbourne. See Hall, T. S., &c.
 —, Patagonia. See Hatcher, J. B.; see Ortmann, A. E.
 —, Provence, &c. See Grossouvre, A. de; see Pellat, E.
 —, S. France. See Depéret, C., &c.; see Lory, P.; see Munier-Chalmas, —; see Oppenheim, P.
 —, S. Russia. See Toula, F.
 Tertiary Australian Mollusca. See Harris, G. F.
 —, Afenz. See Krašan, F.
 —, Belgian & Dutch. See Ubaghs, C.
 —, Bonn. See Stürtz, B.
 —, Carnivora. See Adams, G. J.
 —, Carpathian Green Conglomerate. See Grzybowski, J.
 —, Château-Thierry. See Janet, L.
 —, Classification. See Sacco, F.
 —, Coal, Posen. See Rosenberg-Lipinsky, — von.
 —, Crustacea & Echinodermata. See Bell, A.
 —, Echinodermata. See Botto-Micca, L.
 —, Hungary. See Koch, A.
 —, Ecos. See Canu, F.
 —, Fauna, Antillean Region. See Guppy, R. J. L.
 —, E. Greenland & Spitsbergen. See Nathorst, A. G.
 —, Europe. See Scharff, R. T.
 —, Grätz. See Hilber, V.
 —, Inkermann (Algeria). See Douvillé, H.
 —, Java. See Martin, K.; see Verbeek, R. D. M., &c.
 —, Moravia. See Rzehak, A.
 —, N. Italy. See Angelis d'Ossat, G. de, &c.; see Simonelli, E.; see Vinassa de Regny, P. E.
 —, Rome. See Portis, A.
 —, Spitsbergen & Greenland. See Nathorst, A. G.
 —, S. France. See Pellat, E., &c.
 —, Vancouver. See Merriam, J. C.
 —, Wyoming. See Riggs, E. S.; see Stewart, A.
 —, Foraminifera. See Burrows, H. W., &c.
 —, Galician & Carpathian. See Grzybowski, J.
 —, Freshwater Limestone. See Rollier, L.
 —, Gabbros. See Geikie, Sir A.
 —, Gasteropoda. See Hørnes, R.
 —, Australian. See Cossmann, M.
 —, Italian. See Portis, A.; see Sacco, F.
 —, Glauconitic Deposit, Veronese. See Gümbel, C. W. von.
 —, Grosseto. See Novarese, V.
 —, Haskovo. See Bontschev, S. (in Addendum).
 —, Hungary. See Koch, A.
 —, Isle of Man. See Bell, A.
 —, Lamellibranchiata. See Bontschev, S. (in Addendum); see Mayer-Eymar, C.
 —, Mammalia, American. See Jesup, M. K.; see Osborn, H. F.; see Wortman, J. L.
 —, Argentine, &c. See Ameghino, F.

- Tertiary Mammalia, Victoria. *See* Hall, T. S., &c.
 —, White River Beds. *See* Hatcher, J. B.
 — Man. *See* Newton, E. T.
 —, Microscopic Observations on. *See* Cayeux, L.
 — Mollusca. *See* Harris, G. F.; *see* Mayer-Eymar, C.; *see* Reinhard, C.
 —, Montpellier. *See* Rouville, P. de, &c.
 —, Nîmes. *See* Caziot, —.
 —, N. Spain. *See* Almera, J.
 — Ostracoda. *See* Chapman, F.
 — Phosphates. *See* Mercey, N. de.
 — Plants. *See* Kayser, E.
 —, Ancona. *See* Paolucci, L.
 —, Banca Is. *See* Warburg, O.
 —, Bohemia. *See* Menzel, P.
 —, Radoboj. *See* Ettingshausen, C. von.
 —, Styrian. *See* Archenegg, A.; *see* Krašan, F.
 — Reptilia, Austrian & Rumanian. *See* Toula, F.
 —, Schleswig-Holstein. *See* Reinhard, C.
 —, Sologne. *See* Grossouvre, A. de.
 —, S. Russia. *See* Andrussov, N.
 —, Tortoises. *See* Toula, F.
 —, Tuscan. *See* Tuccinei, G.
 Tervueren (Brabant). *See* Forir, H., &c.
 Testudo. *See* Toula, F.
 Tetracyclus. *See* Elmore, C. J.
 Tetradella. *See* Krause, A.; *see* Winchell, N. H., &c.
 Tetragraptus. *See* Frech, F.; *see* Postlethwaite, J.
 Tetranota. *See* Winchell, N. H., &c.
 Tetraodon. *See* Carraroli, A.
 Texas. *See* Branner, J. C.
 — Jurassic. *See* Hill, R. T.; *see* Marcou, J.
 — Permian Copper Ores. *See* Schmitz, E. J.
 Textularia. *See* Burrows, H. W., &c.
 Thalamopora. *See* Zeise, O.
 Thaleops. *See* Winchell, N. H., &c.
 Thames, Blackwall Tunnel. *See* Binnie, A. R.
 — Valley Gravels. *See* Hinde, G. J.
 — High-level Gravels. *See* White, H. J. O.
 Thames Goldfield (N.Z.). *See* Park, J.; *see* Hauraki.
 Thamnaraea. *See* Ogilvie, M. M.
 Thamnastraea. *See* —.
 Thamniscella. *See* Simpson, G. B.
 Thamniscus. *See* —.
 Thamnoseris. *See* Ogilvie, M. M.
 Thamnopyra. *See* Simpson, G. B.
 Thanet Beds Foraminifera. *See* Burrows, H. W., &c.
 —, Isle of (Kent). *See* Dowker, G.
 Thanetian. *See* Munier-Chalmas, —.
 Thaumassite. *See* Bäckström, H.; *see* Penfield, S. L.
 Thaumatorcinus. *See* Wachsmuth, C., &c.
 Thecosmia. *See* Koby, F.; *see* Ogilvie, M. M.
 Theocampe. *See* Cayeux, L.
 Theodiscus. *See* Hinde, G. J.
 Theralite. *See* Berwerth, F.
 Thetidites. *See* Mojsisovics, E. von.
 Theux (Liège). *See* Forir, H.
 Thiede (Brunswick). *See* Kloos, J. H.
 Thinnfeldia. *See* Nathorst, A. G.
 Thinopus. *See* Marsh, O. C.
 Thisbites. *See* Mojsisovics, E. von.
 Thomsonite. *See* Habert, P. C.
 Thorite. *See* Krantz, F.
 Thracia. *See* Loriol, P. de.
 Three Rock Mountain (Co. Dublin) Mica. *See* Hartley, W. N.; *see* O'Reilly, J. P.
 Thuringia (Germany). *See* Törnquist, S. L.
 — (—), Carboniferous Plants. *See* Fritsch, K. von.
 Thylacocrinus. *See* Wachsmuth, C., &c.
 Thyropteris. *See* Newton, E. T., &c.
 Thysanocrinus. *See* Wachsmuth, C., &c.
 Tibet. *See* Pyevtsov, V.; *see* Rockhill, W. W.
 — Jadeite. *See* Bauer, M.
 Tibetites. *See* Mojsisovics, E. von.
 Tierra del Fuego (S. America). *See* Nordenskjöld, O.
 Tiflis (Transcaucasia). *See* Konchin, A.; *see* Læwinson-Lessing, F.
 Tilia. *See* Menzel, P.; *see* Paolucci, L.
 Tin, Banca & Billiton Is. *See* Van der Wyck, O. H.
 —, Bolivia. *See* Stelzner, A. W.
 —, Britanny. *See* Davy, L.
 —, California. *See* Fairbanks, H. W.
 —, Meymac. *See* Burthe, P. L.
 —, Queensland. *See* Skertchly, S. B. J.
 —, S. Saxony. *See* Dalmer, K.
 —, Tasmania. *See* Kayser, H. W.
 Tinostoma. *See* Vinassa de Regny, P. E.
 Tinta, Sierra (Brazil). *See* Aguirre, E.
 Tipperah (Bengal). *See* Anon., 45.
 Titanate Minerals. *See* Hintze, C.
 Titanite. *See* Traube, H.
 Titanophasma. *See* Matthew, G. F.
 Titanotherium. *See* Osborn, H. F.; *see* Toula, F.
 Tithonian Cephalopoda. *See* Kraft, A. von.
 — Fauna. *See* Mörnicke, W.; *see* Ogilvie, M. M.; *see* Zeise, O.
 Tkwibouli (Transcaucasia). *See* Simonovich, S.
 Toarcian, Poitou. *See* Welsch, J.
 Toba Lake (Sumatra). *See* Easton, N. W.

- Tocopilla (Chile) Silver. *See* Gautier, F.
- Tödi District (Switzerland). *See* Wehrli, L.
- Tokio (Japan) Earthquakes. *See* Milne, J.
- Tolfa (Rome). *See* Meli, R.; *see* Washington, H. S.
- Tomintoul (Banff). *See* Hinxman, L. W.
- Tomistoma. *See* Capellini, G.
- TOMLINSON, C. *See* Woodward, H. B.
- Tomsk Gov. (Siberia). *See* Polenov, B. K.
- Tomten (Norway). *See* Holm, G.
- Tonalite. *See* Grubenmann, U.
- Tonalites, Adamello Alps. *See* Salomon, W.
- Tonga Is. (S. Pacific). *See* Teall, J. J. H., &c.
- Tongking, Coal. *See* Brard, F.
- Triassic Ammonite. *See* Diener, C.
- Tongrian. *See* Rutot, A.
- , Belgium. *See* Van den Broeck, E.
- , Nimes. *See* Caziot, —.
- Topaz. *See* Curran, J. M.; *see* Penfield, S. L., &c.
- , Inclusions in. *See* Tolstopiatov, M.
- Topography & Geology. *See* Branner, J. C.
- Torelleva lavigata* in *Olenellus*-Beds, Norway. *See* Holm, G.
- Tornatella*. *See* Harris, G. F.
- Tornatina*. *See* Cossmann, M.
- Tornoceras*. *See* Frech, F.; *see* Gürich, G.; *see* Smith, J. P.
- Toronto (Ont.). *See* Coleman, A. P.
- Torosaurus*. *See* Marsh, O. C.
- Tortoises, Belgian Cretaceous. *See* Ubaghs, C.
- , Roman Pliocene. *See* Portis, A.
- , Tertiary. *See* Toula, F.
- Torynifer*. *See* Hall, J., &c.
- Tourane (Annam). *See* Dégoutin, —.
- Tourmaline. *See* Achiardi, G. d'; *see* Cayeux, L.
- , Chile. *See* Stelzner, A. W.
- , Melting Point. *See* Cusack, R.
- Tourmaliferous Granite, Giglio Isl. *See* Meli, R.
- Tournon (Lot-et-Garonne). *See* Meunier-Chalmas, —.
- Towns, Distribution in England. *See* Chisholm, G. G.
- Towaster*. *See* Loriot, P. de.
- Toxine Spring, Seeg. *See* Lipp, A.
- Trachodon*. *See* Marsh, O. C.
- Trachyceras*. *See* Mojsisovics, E. von.
- Trachyte, Rhenish Prussia. *See* Bruhus, W.
- , Wiesbaden. *See* Dannenberg, A.
- Track-markings in Tessini Sandstone, Öland. *See* Nathorst, A. G.
- Tramore (Waterford). *See* Reed, F. R. C.
- Trana (Piedmont) Quaternary Mammals. *See* Bogino, F.
- Transvaal (S. Africa). *See* Shepherd, P. G.
- Coal. *See* Hallimond, W. T.
- Transvaal Coalfields. *See* Frames, M.; *see* Gascoyne, R.; *see* Lloyd, H.; *see* Sawyer, A. R.
- Goldfields. *See* Bordeaux, A.; *see* Bunkell, H. B.; *see* Carrick, J. T.; *see* Cousens, R. L.; *see* Draper, D.; *see* Frames, M. E.; *see* Garnier, J.; *see* Gibson, W.; *see* Hatch, F. H.; *see* Krause, P. R.; *see* Kuntz, J.; *see* Moor, C. W.; *see* Sawyer, A. R.; *see* Shepherd, P. G.; *see* Stonestreet, G. R.; *see* Wendeborn, A.
- Plant-Beds. *See* Draper, D.; *see* Seward, A. C.
- Transylvania (Hungary). *See* Koch, A.
- (—) Alps. *See* Toula, F.
- (—), Salt. *See* Lamprecht, R.
- Transylvanian Alps of Rumania. *See* Toula, F.
- Trap Dykes, Adirondacks. *See* Cushing, H. P.
- Tuff with Ironstone Bed. *See* Smith, J.
- Trapa*-Seeds. *See* Nathorst, A. G.
- Trapezium*. *See* Woods, H.
- Traspatharium*. *See* Ameghino, F.
- Travellers & Geology. *See* Meunier, S.
- Trebbia Valley (S. Lombardy). *See* Stefani, C.
- Treborough (Somerset). *See* Hicks, H., &c.
- Tremacystia*. *See* Zeise, O.
- Tremadictyon*. *See* —.
- Trematella*. *See* Simpson, G. B.
- Trematopora*. *See* —.
- Trematospira*. *See* Hall, J., &c.
- Trengganu (Malay States). *See* Clifford, H.
- Trent River (England). *See* Burton, F. M.
- Trenton Falls (N.Y.). *See* White, T. G.
- Trenton Group. *See* Sardeson, F. W.
- Trepostira*. *See* Winchell, N. H., &c.
- Triacrinus*. *See* Frech, F.
- Triangularia*. *See* —.
- Triarthrus*. *See* —; *see* Törnquist, S. L.
- Trias, Alpine. *See* Bittner, A.
- , Dalmatian. *See* Bukowski, G. von.
- Fauna, Sardinian. *See* Artini, E.
- Footprints, Liverpool. *See* Beasley, H. C.
- , Lombardy. *See* Philippi, E.
- Oligocene Sand in Clefts of. *See* Merkel, O., &c.
- , Piedmontese. *See* Resetti, G. E.
- , Salzburg. *See* Bittner, A.
- with Silurian Fauna, Lower Austria. *See* Bittner, A.
- Triassic Ammonite (Tong-King). *See* Diener, C.
- Cephalopoda. *See* Diener, C.; *see* Douvillé, H.; *see* Hauer, F. von; *see* Mojsisovics, E. von.
- Crinoidea. *See* Bather, F. A.
- Débris Gravels, Upper Thames. *See* White, H. J. O.
- Echinoderms, Tyrolese. *See* Gregory, J. W.

- Triassic *Estheria*. See Volz, W.
 — Fauna, Lagonegro. See Lorenzo, G. de.
 —, Schwieberdingen. See Philippi, E.
 — Fishes. See Seeley, H. G.; see Volz, W.
 — Footprints. See Pabst, W.
 — Limestone Concretions. See Kehler, F. A.
 — Plant-Beds, S. Africa. See Draper, D.; see Seward, A. C.
 — Reptilia. See Jäkel, O.; see Marsh, O. C.
 — Trap, New England. See Emerson, B. K.
 — Zones. See Mojsisovics, E. von.
Triceratops. See Marsh, O. C.
Trichatropis. See Kossmat, F.
Tricelodus. See Ameghino, F.
Trigeria. See Hall, J., &c.
Trigonia. See Leonhard, H.; see Peron, A.; see Steinmann, G., &c.
 —, Jurassic. See Stremöukhov, E.
Trigonoarca. See Kossmat, F.
Trigonocaris. See Gürich, G.
Trigonostylops. See Ameghino, F.
 Trilobite Fauna, Siljan Lake District. See Törnquist, S. L.
Trilobites. See —.
 Trilobites. See Beecher, C. E.; see Frech, F.; see Gürich, G.; see Holm, G.; see Kayser, E.; see Kingsley, J. S., &c.; see Malaise, C.; see Postlethwaite, J.
 —, Australian. See Brown, H. Y. L., &c.
 —, Cambrian. See Brögger, W. C.; see Etheridge, R., Jun.; see Matthew, G. F.
 —, Carboniferous. See Julien, A.
 —, Devonian. See Beyer, E.; see Fournier, G.; see Hicks, H., &c.; see Ehlert, D. P.
 —, Silurian. See Clarke, J. M.; see Etheridge, R., Jun., &c.; see Winchell, N. H., &c.
Trimeroccephalus. See Gürich, G.
Trimerostephanos. See Ameghino, F.
Trimucleus. See Beecher, C. E.; see Ehlert, D. P.
 Triphylite. See Penfield, S. L., &c.
Triplesia. See Hall, J., &c.
Triplex. See Harris, G. F.
Triploca. See Cossmann, M.; see Harris, G. F.
Tripocalpida. See Cayeux, L.
Tripodictya. See —.
Tripodiscium. See —.
Triptoceras. See Winchell, N. H., &c.
 Tripuhy (Brazil) Derbyllite. See Prior, G. T.
Triton. See Wolff, W.
Tritonidea. See Martin, K.
Tritonofusus. See Harris, G. F.
Trochactæon. See Cossmann, M.
Trochocyathus. See Canavari, M.; see Osasco, E.; see Simonelli, V.
Trochonema. See Winchell, N. H., &c.
Trochosmilia. See Osasco, E.
Trochus. See Cossmann, M.; see Hilber, V.; see Kossmat, F.; see Parona, C. F., &c.; see Peron, A.; see Vinassa de Regny, P. E.; see Wolff, W.
 Tromsö (Norway). See Dickson, E., &c.
 Trondhjem (Norway). See Törnebohm, A. E.
Trophon. See Hall, T. S., &c.
Tropidoceras. See Fucini, A.
Tropidocoryphe. See Beyer, E.
Tropidoleptus. See Frech, F.; see Hall, J., &c.; see Kayser, E.
Tropidopora. See Simpson, G. B.
Tropites. See Mojsisovics, E. von.
Truncatulina. See Burrows, H. W., &c.
Tryblidium. See Winchell, N. H., &c.
 Tubat-Klause (Hungary). See Posewitz, T.
Tubifex. See Wesenberg-Lund, C.
Tubina. See Frech, F.
 Tufa, Ponza Island. See Sabatini, V.
 —, Svealand Calcareous. See Kjellmark, K.
 Tufaceous Deposit, Blashenwell. See Reid, C.
Tugalia. See Hall, T. S., &c.
Tugurium. See Harris, G. F.
 Tula (Russia). See Nikitin, S.
 Tulle (Corrèze). See Michel-Lévy, A., &c.
 Tunbridge Wells (Kent). See Abbott, G.; see Stocks, H. B.
 Tundra. See Kusnezov, N. J.
 —, Map of Northern. See Nansen, F.
 Tunis. See Dubois, M.
 —, Cretaceous Mollusca. See Peron, A.
 —, Suessonian Diatomaceæ. See Tempère, J.
 Tunnel, Blackwall. See Binnie, A. R.
 TUOMEX, M. See Smith, E. A., &c.
Turbinaria. See Ogilvie, M. M.
Turbo. See Beyer, E.; see Cossmann, M.; see Hall, T. S., &c.; see Harris, G. F.; see Lorenzo, G. de; see Parona, C. F., &c.; see Steinmann, G., &c.
Turbonilla. See Barnes, J., &c.
Turbonitella. See Beyer, E.
 Turin (Piedmont). See Roccati, A.
 — (—), Peat-Bog Mammals near. See Bogino, F.
 — (—), Gravity Observations. See Aimonetti, C.
 Turjinsk (Perm) Copper Mines. See Fedorov, E. von.
 Turonian, Upper Silesia. See Leonhard, R.
Turricula. See Martin, K.
Turritella. See Barnes, J., &c.; see Cossmann, M.; see Harris, G. F.; see Kœnen, A. von; see Kossmat, F.; see Peron, A.; see Reid, C.; see Vinassa de Regny, P. E.; see Wolff, W.
 Tuscany, Cinnabar. See Lolli, B.; see Spirek, V.
 — Minerals. See Achiardi, G. d'.
 —, Tertiary. See Tuccimei, G.

- Tweedmouth (Northumberland). *See* Gunn, W.
- Tyler's Hill (Bucks). *See* Green, U.
- Tylosaurus*. *See* Williston, S. W.
- Tylospira*. *See* Harris, G. F.
- Tylostoma*. *See* Peron, A.
- TYNDALL, J. *See* Chambers, T. G.
- Typhinellus*. *See* Meli, R.
- Typhis*. *See* Wolf, W.
- Tyrol, Granite Bosses. *See* Salomon, W. (S.). *See* Vaček, M.
- , Triassic Echinodermata. *See* Gregory, J. W.
- , Zeolites. *See* Habert, P. C.
- Ufa (Russia). *See* Nikitin, S.
- Uganda (Brit. Central Africa). *See* Vandeleur, C. F. S.
- Ullswater (Westmoreland). *See* Dakyns, J. R., &c.
- Ulmus*. *See* Ettingshausen, C. von; *see* Paolucci, L.
- Umanak District (Greenland). *See* Barton, G. H.
- Umbraclum*. *See* Harris, G. F.
- Umbrella*. *See* Cossmann, M.
- Uncinella*. *See* Hall, J., &c.
- Uncinulina*. *See* —.
- Ucinulus*. *See* —.
- Uncites*. *See* —.
- Underground Noises. *See* Van den Broeck, E.
- River-Courses. *See* Caverns.
- Valleys. *See* Flamache, A.; *see* Van den Broeck, E.
- Unio*. *See* Bukowski, G. von; *see* Wolf, W.
- United States, Archæan. *See* Van Hise, C. R., &c.
- , Cretaceous Fauna. *See* Stanton, T. W.
- (E.). *See* Darton, N. W.
- (—) Coal. *See* Head, J.
- (—) Cretaceous. *See* Clark, W. B., &c.
- (—) Potomac Group. *See* Clark, W. B., &c.
- Geol. Survey. *See* Emmons, S. F.; *see* Walcott, C. D.
- Geology. *See* Dana, J. D.; *see* Scott, W. B.
- , Graphite in S. *See* Brewster, W. M.
- , Lower Silurian. *See* Sardeson, F. W.
- , Mineral Resources. *See* Day, D. T., &c.
- Mountains. *See* Holden, E. S.
- (N.W.). *See* Kimball, J. P.
- Petroleum. *See* Day, D. T.; *see* Mabery, C. F.; *see* Peckham, F. C.; *see* Sadtler, S. P.
- Surveys. *See* Emmons, S. F.
- Tertiary Mammals. *See* Jessup, M. K.
- Unitrypa*. *See* Simpson, G. B.
- Unyoro (Equatorial Africa). *See* Vandeleur, C. F. S.
- Upheaval of Land, Canada. *See* Bell, R. Urach (Württ.). *See* Branco, W.
- Urals (Russia). *See* Anon., 2, 3; *see* Arruni, A.; *see* Clerc, O.; *see* Futterer, K.; *see* Karnoschitzki, A.; *see* Krapsinski, A.; *see* Krasnopolski, —; *see* Stuckenbergl, A.; *see* Tchernyshev, T., &c.; *see* Wyssotski, N.; *see* Russia.
- , Blagodat Iron-Mining Works. *See* Anon., 2.
- , Diamonds. *See* Jeremejev, P. W.
- , Gold. *See* Jaworowski, P.; *see* Jeremejev, P. W.
- Ure-Ox Remains, Burg in Bromberg (Posen). *See* Nehring, A.
- Urjom (Russia). *See* Karpinski, A.
- Uromitra*. *See* Harris, G. F.
- Uronothorite. *See* Krantz, F.
- Ursus*. *See* Pomel, A.; *see* Resetti, G. E.
- Humerus with Drilled Hole. *See* Harlé, É.
- *spelæus*, Bone with Drilled Hole. *See* Harlé, É.
- Ust-Dwinsk (Courland). *See* Bonsdorff, A.
- Vaginella*. *See* Gürich, G.; *see* Steinmann, G., &c.
- Val Sugana (S. Tyrol). *See* Haberfelner, J.; *see* Vaček, M.
- Valangian, Bernese Jura. *See* Schardt, H., &c.
- , France (S.E.). *See* Sayn, G.
- Valence (Drôme). *See* Kilian, W.
- Valley Glaciers, Greenland. *See* Tarr, R. S.
- Valleys, Dorset Chalk-Downs. *See* Jukes-Browne, A. J.
- *See* Pre-Glacial.
- , Underground. *See* Flamache, A.; *see* Van den Broeck, E.
- , W. Alps. *See* Lugeon, M.
- Valvata*. *See* Bukowski, G. von.
- Vanadium in Rutile. *See* Giles, W. B.
- Vancouver (Brit. Columbia) Tertiary Fauna. *See* Merriam, J. C.
- Vannuxemia*. *See* Winchell, N. H., &c.
- Var Massifs (France). *See* Kilian, W.
- Varanger Fjord (Finmark). *See* Dickson, E., &c.; *see* Strahan, A.
- Variolite, Co. Down. *See* Cole, G. A. J.
- Vartofta (Jemtland). *See* Hollender, A.
- Vaucluse (France) Tertiary Fauna. *See* Pellaë, E., &c.
- Vaux-Eclusier (Somme) Cretaceous Reptilia. *See* Thévenin, A.
- Veins, Colorado. *See* Rickard, T. A.; *see* Skewes, E.
- , Hauraki Goldfields. *See* Park, J.
- , Mineral. *See* Fairbanks, H. W.; *see* Power, F. D.
- Vein-Walls. *See* Rickard, T. A.
- Velates*. *See* Bontschev, S. (in Ad-dendum).

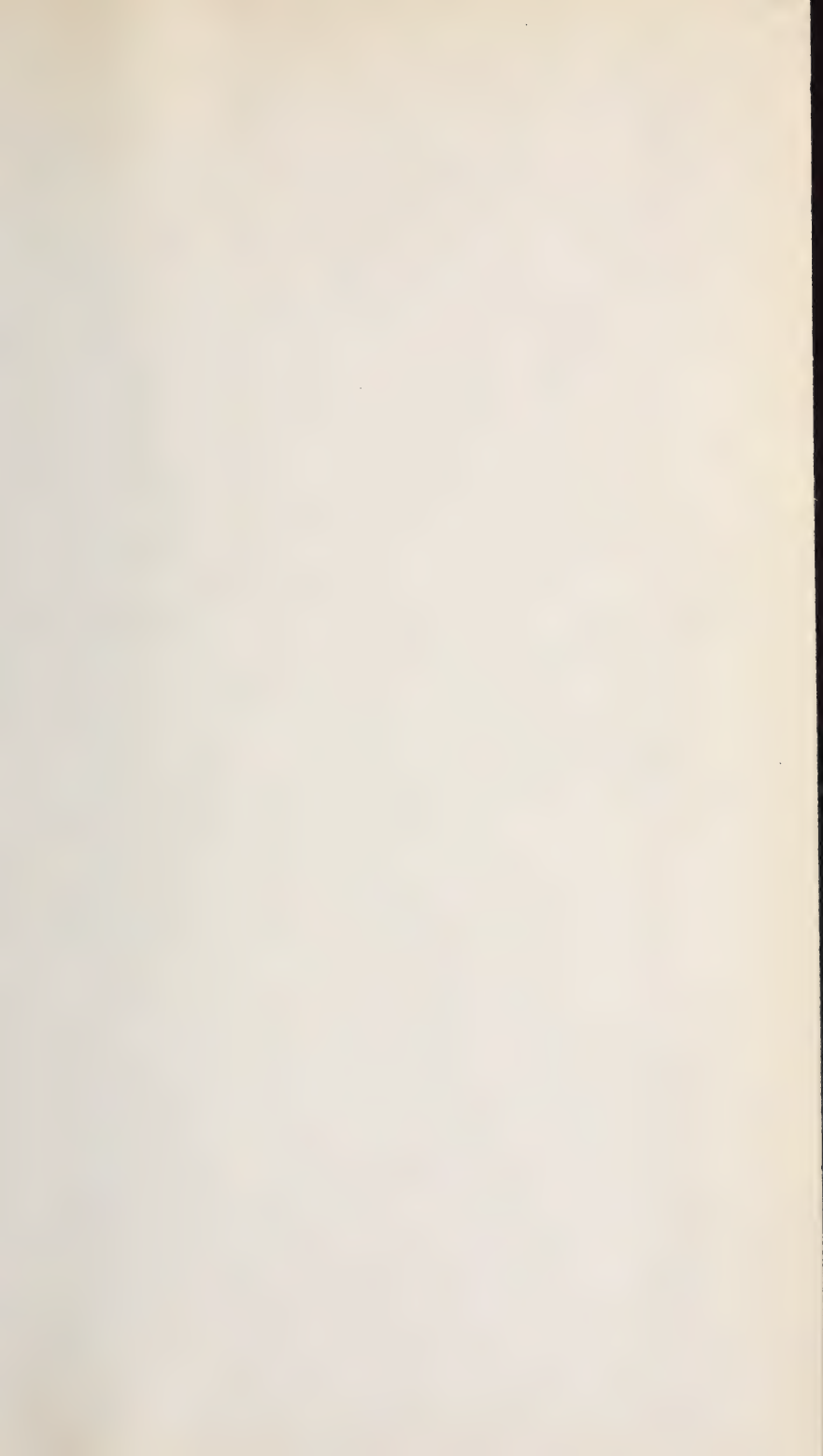
- Velay (France), Origin of Lakes. *See* Boule, M.
- Vencimont (Namur). *See* Gosselet, J.
- Venericardia*. *See* Steinmann, G., &c.; *see* Wolff, W.
- Venetian Alps, Cretaceous Fauna. *See* Böhm, G.
- , Tertiary Fauna. *See* Vinassa de Regny, P. E.
- Venezuela (S. America) Cretaceous. *See* Steinmann, G., &c.
- Venterskroon (Transvaal) Goldfields. *See* Bunkell, H. B.; *see* Transvaal.
- Ventriculites*. *See* Leonhard, R.
- Ventura (Cal.). *See* Watts, W. L., &c.
- Venus*. *See* Peron, A.
- Vercors (Drôme) Caverns. *See* Martel, E. A., &c.
- Vereeniging (Transvaal). *See* Draper, D.; *see* Wendeborn, A.; *see* Transvaal.
- Vermetus*. *See* Reid, C.; *see* Wolff, W.
- Vernon (Eure). *See* Dollfus, G.
- Veronese Green Earth. *See* Gümbel, C. W. von, &c.
- Vertebraria*. *See* Oldham, R. D.; *see* Zeiller, R.
- Vesuvian Minerals, Artificial. *See* Stöber, F.
- Vesuvius (S. Italy). *See* Bourdariat, A. J.; *see* Durier, C.
- Veyrier (Geneva). *See* Studer, T.
- Viatka Gov. (Russia). *See* Kratov, P.
- Viburnum*. *See* Paolucci, L.
- Victoria (Aust.), Auriferous Lodes. *See* Don, J. R.
- (—) Cambrian Fauna. *See* Etheridge, R., Jun.
- (—) Eocene Rocks. *See* Hall, T. S., &c.
- (—) Goldfields. *See* Dunn, E. J.
- (—) Graptolites. *See* Hall, T. S.
- (—) Locality List of Minerals. *See* Atkinson, J. A.
- (—) Mineral Resources. *See* Coghlan, T. A.
- (—) Tertiary Bryozoa. *See* Hall, T. S.
- (—) — Mollusca. *See* Harris, G. F.
- Vienna (Austria) Pendulum Observations. *See* Zachariæ, —, &c.
- (—), 'Klippe' near. *See* Hochstetter, E. von.
- (—) Lias. *See* Toula, F.
- Vienna-Sandstone District, Lower Austria. *See* Paul, C. M.
- Vigau (Gard). *See* Torcapel, —.
- Vigo Co. (Ind.). *See* Scovell, J. T.
- Vigoleno (Piacenza). *See* Simonelli, E.
- Villafranca (Piedmont). *See* Corti, B.
- Villafranchio (Tuscany). *See* Tuccimei, G.
- Villages, Distribution in England. *See* Chisholm, G. G.
- Villedieu (Loir-et-Cher). *See* Priem, F.
- Villefranche-sur-Saône (Rhône) Terraces. *See* Mortillet, G. de.
- Villiers-sur-Mer (Normandy). *See* Brash, L.
- Vindhyan, Sone Valley (Rewah). *See* Datta, P. N.
- Vinella*. *See* Simpson, G. B.
- Virginia (U.S.A.). *See* Darton, N. H.
- , Gneiss-Weathering. *See* Merrill, G. P.
- Virgulina*. *See* Morton, F. S.
- Viscosity of Igneous Rocks. *See* Becker, G. F.
- Vitiphyllum*. *See* Ward, L. F.
- Vitis*. *See* Ettingshausen, C. von.
- Vitriwebbina*. *See* Chapman, F.
- Vitulina*. *See* Hall, J., &c.; *see* Kayser, E.
- Vivianite. *See* Katzer, F.
- Vizille (Isère). *See* Kilian, W.; *see* Pâquier, V.
- Vladikavkaz (Caucasus). *See* Löwinson-Lessing, F.
- (—), Petroleum near. *See* Konchin, A.
- Vogelsberg (Hesse), Iron Ore. *See* Beyerschlag, F.
- Voigtland (Germany). *See* Törnquist, S. L.
- Volcanic Action on Serpentine. *See* Lacroix, A.
- Activity during 1894. *See* Rudolph, E.
- Ash, Nebraska. *See* Barbour, E. H.
- Bombs, Billiton. *See* Verbeek, R. D. M.
- in Schalsteins, Nassau. *See* Kayser, E.
- Cones. *See* Bourdariat, A. J.
- Dust-Shower, Napier. *See* Hill, H.
- Islands. *See* Gerland, G.
- Minerals, Ayr. *See* Smith, J.
- Pipes, Württemberg. *See* Branco, W.
- Rocks, Baluchistan Frontier. *See* McMahon, C. A., &c.
- , Italian. *See* Clerici, E.; *see* Sabatini, V.; *see* Washington, H. S.
- , Westmoreland. *See* Dakyns, J. R., &c.
- , *See* Igneous Rocks.
- Volcanoes. *See* Suess, E.
- , Central America. *See* Gosling, R.; *see* Sapper, K.
- , Chile. *See* Stange, P.
- , Great Britain. *See* Geikie, Sir A.
- , Hawaii. *See* Guppy, H. B.
- , Italy. *See* Günther, R. T.; *see* Modern, R.; *see* Sabatini, V.
- , Japan. *See* Lièvre, D.
- , Molucca Is. *See* Wichmann, A.
- , Moon. *See* Puisieux, P.
- (Mud), Caspian Region. *See* Sjögren, H.
- (—), Tipperah. *See* Anon., 45.
- , New Zealand. *See* Cadell, H. M.
- , Submarine. *See* Rudolph, E.

- Volcanoes, Tardree. *See* Cole, G. A. J.
 —, Württemberg Embryo. *See* Fraas, E.
 Volga Deposits (Russia). *See* Nikitin, S.; *see* Pavlov, A. P.
 — River (Russia). *See* Nikitin, S.; *see* Stuckenberg, A.
 Volhynia Gov. (Russia). *See* Tutkowski, P.
Voluta. *See* Hall, T. S., &c.; *see* Harris, G. F.; *see* Martin, K.; *see* Peron, A.; *see* Reid, C.; *see* Reinhard, C.; *see* Wolff, W.
Volutilithes. *See* Harris, G. F.; *see* Kossmat, F.
Volutoconus. *See* Harris, G. F.
Volutolyria. *See* Vinassa de Regny, P. E.
Volvaria. *See* Leonhard, R.
Volvutella. *See* Cossmann, M.
 Vosges (Alsace). *See* Lapparent, A. de; *see* Michel-Lévy, A., &c.; *see* Törnquist, A.; *see* Vélain, C.
 — Lakes. *See* Delebecque, A.
 Vulcanology. *See* Rudolph, E.
- Waagenia*. *See* Julien, A.
 WACHSMUTH, C. *See* Calvin, S.
 Wadowice (Galicia). *See* Grzybowski, J.
 Waggithal (Zürich). *See* Burckhardt, K.
 Wahsatch Beds, Eocene Mammalia. *See* Wortman, J. L.
 Walaamo (Olonetz). *See* Miklucha-Maklay, M. N.
 Waldgirmes (Wetzlar), Devonian Fauna near. *See* Beyer, E.
Waldheimia. *See* Fucini, A.
 Waldhof (Styria). *See* Hilber, V.
 Wales, Coalfields. *See* Hull, E.
 —, 1896 Earthquakes. *See* Clark, J. E.
 —, Geological Survey. *See* Anon., 11; *see* Geikie, Sir A.
 —, Mines, &c. *See* Atkinson, J. B., &c.; *see* Foster, C. Le N.
 — (N.). *See* Clague, D.; *see* De Rance, C. E.; *see* Geikie, Sir A., &c.
 — (—), Carboniferous Fauna. *See* Morton, G. H.
 — (—), Glacio-Marine Drift. *See* Reade, T. M.
 — (—), Volcanoes. *See* Geikie, Sir A.
 —, Palæozoic. *See* Törnquist, S. L.
 —, Pre-Cambrian. *See* Hicks, H.
 —, Prehnite in. *See* Harrison, W. J., Jun.
 —, Shap Fell Granite-Boulders. *See* Foster-Barham, H. G.
 — (S.). *See* Geikie, Sir A., &c.
 Walmer (Kent). *See* Rowe, A. W., &c.
 Warwickshire. *See* Anon., 12; *see* Brodie, P. B.; *see* De Rance, C. E.
 Water. *See* Mineral Waters.
- Water, Abram. *See* Caldwell, G.
 —, Argentina. *See* Kyle, J. J. J.
 —, Californian Mineral. *See* Crawford, J. J.
 —, Canadian. *See* Hoffmann, G. C.
 —, Carbonate of Lime in Lake. *See* Delebecque, A.
 —, Caucasus Mineral. *See* Rugevich, K.
 —, Cava. *See* Spezia, G.
 —, Courses, Småland. *See* Hollender, A.
 — from Crystalline Rocks. *See* Markham, Sir C. R.
 —, Dorset Mineral. *See* Groves, T. B.
 — in Earth. *See* Keller, O.
 —, Gases in. *See* Ramsay, W., &c.
 —, Lisbon. *See* Choffat, P.
 —, Nubian Desert. *See* Lyons, H. G., &c.
 —, Peschtoldsdorf. *See* Bamberger, M.
 — Supply. *See* De Rance, C. E.
 —, Belgium. *See* Hans, J.; *see* Van Overloop, E.
 —, England. *See* Chisholm, G. G.; *see* Frankland, P.; *see* Thomson, T., &c.
 —, Limestone. *See* Rome, T.; *see* Rutot, A., &c.
 —, Sauve. *See* Martel, E. A.
 —, U.S.A. Artesian. *See* Darton, N. H.
 —, Wiesbaden. *See* Fresenius, C. R., &c.
 Waterford (Ireland) Old Red Sandstone. *See* Reed, F. R. C.
 Waterloo (Brabant). *See* Mourlon, M.
 Wave-marks, Cincinnati Limestone. *See* Shannon, W. P.
 Wavellite. *See* Fournier, G.
 Wavertree (Lancs). *See* Owen, W.
 Weald Iron Ores. *See* Hawkins, C. E.
 Wealden, Age of. *See* Marsh, O. C.
 —, English. *See* Marcou, J.
 — Fauna, Brunswick. *See* Wolle-
 mann, A.
 — Plants. *See* Seward, A. C.
 Weasel, Transylvanian Diluvial. *See* Koch, A.
 Weathering of Gneiss, Virginia. *See* Merrill, G. P.; *see also* Rock-Decomposition.
 Weissenberg 'Pläner' Fauna, Neu Straschitz. *See* Želízko, J. V.
 Wellsite. *See* Gaubert, P.; *see* Pratt, J. H., &c.
 Werfenian, Dalmatian. *See* Bukowski, G. von.
 Wernigerode (Harz). *See* Ebert, T.
 Western Australia. *See* Boyd, W. C.
 —, Coal. *See* Woodward, H. P.
 —, Dry Lakes. *See* —.
 —, Goldfields. *See* Holyroyd, A. G.; *see* Reed, F.; *see* Supan, A.; *see* Woodward, H. P.

- Western Australia, Jurassic Cephalopoda. See Crick, G. C.
- , Mineral Resources. See Coghlan, T. A.
- Westerwald (Wiesbaden) Trachyte, &c. See Dannenberg, A.
- Westmoreland. See Foster-Barham, H. G., &c.; see Geikie, Sir A.
- Westphalian Coalfield. See Cremer, L.; see Walth, V.
- , Faults. See Forir, H.
- , Cretaceous Fishes. See Woodward, A. S.
- , Geological Literature. See Rauff, H., &c.
- , Lenne-porphry. See Mügge, O.
- Westport (N.Y.). See Merrill, F. J. H., &c.
- Wetzelsdorf (Styria). See Hilber, V.
- Wetzlar (Germany) Devonian Fauna. See Beyer, E.
- Whale-Bed, Irvine. See Smith, J.
- Whetstones, U.S.A. See Day, D. T., &c.
- White Limestone, New Jersey. See Wolff, J. E.
- White River Beds Fauna. See Stewart, A.
- , Miocene, Wyoming. See Riggs, E. S.
- , Tertiary Mammalia. See Hatcher, J. B.; see Osborn, H. F.; see Wortman, J. L.
- Whitella*. See Winchell, N. H., &c.
- Whitfieldella*. See Hall, J., &c.
- Wicklow Co. (Ireland). See Cole, G. A. J.
- Wieliczka (Galicia). See Windakiewicz, E.
- Wiener Sandstein. See Paul, C. M.
- Wiesbaden (Nassau) Waters. See Fresenius, C. R.
- Wilsonia*. See Hall, J., &c.
- Wiltshire. See Geikie, Sir A.
- Winchester (Hants). See Whitaker, W., &c.
- Winckel (Haut-Rhin). See Bleicher, —, &c.
- Wind Cave (Dak.). See Owen, L. A.
- , Erosion. See Baltzer, A.
- , Heidelberg Castle. See Futterer, K.
- Windworn Pebbles, India. See Oldham, R. D.
- Winnipeg, Lake (Manitoba). See Scoble, T. C.
- Winsford (Cheshire). See Cooke, J. H.
- Wirral (Cheshire) Coast Erosion. See Morton, G. H.
- Wisconsin (U.S.A.) Drift. See Salisbury, R. D., &c.
- Wissant (Pas-de-Calais). See Bertrand, M.
- Witwatersrand (Transvaal). See Gibson, W.; see Shepherd, P. G.; see Wendeborn, A.; see Transvaal Goldfields.
- Wiveliscombe (Somerset). See Hicks, H., &c.
- Woldegk (Brandenburg). See Wölfer, T.
- Wolfachite. See Rammelsberg, C.
- Wolframite. See Frenzel, A.
- Wolfsbergite. See Penfield, S. L., &c.; see Spencer, L. J.
- Wolfskehlen (Hesse). See Klemm, G., &c.
- Wombeyan Caves (N.S.W.). See David, T. W. E.
- Wood, Antiguan Fossil. See Stenzel, G.
- WOODWARD, H. P. See Anon., 27.
- Workop (Notts). See Gibson, W., &c.
- World, Orogenic Maps of the Ancient. See Sacco, F.
- Wortel (Antwerp). See Mournal, M.
- Worthenopora*. See Simpson, G. B.
- Württemberg (Germany). See Regelmann, —.
- (—), Earthquakes. See Schmidt, A.
- (—), Embryo Volcanoes. See Fraas, E.
- (—), History of Geology in. See Fraas, E.
- (—), Salt. See Lichtenberger, —.
- Wyoming (U.S.A.) Eocene Edentates. See Marsh, O. C.
- , Igneous Rocks. See Cross, W.
- , Laramie Formation. See Stanton, T. W., &c.
- , Leucite Hills. See Kemp, J. F.
- , Silurian. See Beecher, C. E.
- , White River Miocene. See Riggs, E. S.
- Wyomingite. See Cross, W.
- Wyre Forest Coalfields (Salop & Worcester). See Cantrill, T. C.
- Xenocidaris*. See Beyer, E.
- Xenocrinus*. See Wachsmuth, C., &c.
- Xenoneura*. See Matthew, G. F.
- Xenophora*. See Harris, G. F.; see Könen, A. von; see Wolff, W.
- Xiphodictya*. See Cayeux, L.
- Yang-tse-kiang (Sze Chuen) Landslip. See Bourne, F. S. A.
- Yellowstone National Park (U.S.A.). See Crook, A. R.
- (—) Laccolites. See Suess, E.
- Yoldia*. See Wolff, W.
- , Sea, S. Finland. See Berghell, H.; see Ramsay, W.
- Yoredale Series. See Hind, W.
- Yorkshire. See Geikie, Sir A., &c.
- , Caves. See Martel, E. A.
- , Coalfield. See Anon., 10; see Sutcliffe, R.
- , Drift. See Kendall, P. F.
- (E.), Bibliography, 1895. See Sheppard, T.
- (—), Boulders. See Stather, J. W., &c.
- , Glacial Deposits, &c. See Lamplugh, G. W.

- Yorkshire, Millstone Grit Fauna. *See* Barnes, J., &c.
 —, Speeton Clay. *See* Stather, J. W.
Youngia. *See* Frech, F.
 Yucatan (Mexico). *See* Sapper, C.
Yuccites. *See* Paolucci, L.
 Yukon District (N.W. Canada). *See* Anon., 4, 46; *see* Rose, T. K.
- Zachow (Brandenburg). *See* Wölfer, T.
 Zalatna (Hungary). *See* Gesell, A.
Zamiopteris. *See* Newton, E. T., &c.
 Zealand (Denmark), Cretaceous. *See* Rordam, K.
 — (—), Earthquakes. *See* Hintze, V.
 — (—), Freshwater Limestone with Plants. *See* Ravn, J. P. J.
 'Zeepoeffers.' *See* Van den Broeck, E.
 Zei Glacier (Caucasus). *See* Karakash, N.
Zelkova. *See* Paolucci, L.
 Zell (Baden). *See* Thürach, H.
Zenatiopsis. *See* Hall, T. S., &c.
 Zeolites. *See* Friedel, G.; *see* Lovisato, D.; *see* Rinne, F.
 — in Soils. *See* Merrill, G. P.
 —, Tyrol. *See* Habert, P. C.
- ZIGNO, Baron A. DE. *See* Omboni, G.
 Zinal (Valais) Ovenstones. *See* Bonney, T. G.
 Zinc. *See* Day, D. T., &c.
 — Blende. *See* Kayser, E.
 Zinckenite. *See* Spencer, L. J.
 Zircón. *See* Cayeux, L.; *see* Curran, J. M.; *see* Jeremejev, P. W.
 —, Tasmania. *See* Anon., 28.
 Zirkelite. *See* Prior, G. T.
Zizyphus. *See* Menzel, P.
 Zmutthal (Valais). *See* Raisin, C. A.
 Zonal Structure. *See* Brauns, R.
 — in Igneous Rocks. *See* Becke, F.
 Zones, Life-. *See* Garwood, E. J.; *see* Marr, J. E.
 —, Lower Chalk. *See* Maddock, H. E.
 Zschorlau (Saxony). *See* Frenzel, A.
 Zsibó (Hungary). *See* Telegd, L. R.
 Zululand (S. Africa), Mining Industries. *See* Gerrard, J. J.
 Zürich (Switzerland). *See* Heim, A.
 — Congress Exhibition. *See* Früh, J.
 Zwingenberg (Hesse). *See* Chelius, C., &c.
Zygospira. *See* Hall, J., &c.

1
35
901 (4)





SMITHSONIAN INSTITUTION LIBRARIES



3 9088 01352 6157