

MATHEWS

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OCTOBER, 1923

Number 36

BULLETIN
OF THE
**NATIONAL RESEARCH
COUNCIL**

DEPARTMENT OF GEOLOGY
SYRACUSE UNIVERSITY
SYRACUSE 10, NEW YORK

CATALOGUE OF PUBLISHED BIBLIOGRAPHIES
IN GEOLOGY

1896-1920

COMPILED BY

EDWARD B. MATHEWS

for

Research Information Service

and

Division of Geology and Geography
National Research Council

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PREFACE

The following pages have been prepared as an aid to geologists who need assistance in their survey of the vast body of observations and interpretations already on record. They represent in somewhat simplified form a continuation of the classic work *Catalogue des Bibliographies Géologiques rédigé, avec le concours des membres de la Commission bibliographique du Congrès [géologique international] par Emm. de Margerie, Paris, Gauthier-Villars et Fils, 1896*, which included references to the year 1895. The present work covers the twenty-five years, 1896-1920, and embraces 3699 titles. Like the former publication, the present volume is not a bibliography of geology but simply a catalogue of published Geological Bibliographies. The earlier collection represented the combined efforts of many geologists in various countries for a term of years; the later is a rapid compilation by the author and his efficient collaborator, Miss Grace E. Reed, Librarian of the Geological Department of the Johns Hopkins University, based upon a few libraries in Baltimore and Washington. The project was undertaken for the Research Information Service and the Division of Geology and Geography, National Research Council.

The format of references adopted in de Margerie's Catalogue with the notation of the size of page, differences in pagination, publisher, and certain other details, while highly desirable from a bibliographic standpoint, has not been followed since it would have increased the work of compilation and chances for error manifold without any compensating gain in usefulness to the average geologist. For like reasons, a similar simplification in classification was also adopted.

The references have been gathered in three parts, each arranged alphabetically with cross references and an index of authors.

Part I includes *General Bibliographies*, Abstract journals, Indexes, and Registers of Periodicals and Society publications, Lists of Publications of Official Surveys when in permanent forms, and Bibliographies and Abstracts issued serially. This list deals with publications of interest to geologists. No attempt has been made to include such works as *Revue Bibliographique Universelle*, *Reader's Guide to Periodical Literature*, and other bibliographic aids well known to librarians and bibliographers.

Part II includes *Bibliographies of Special Subjects* issued separately or in connection with monographic studies. These are grouped under a single alphabet including regional, stratigraphic, and faunal rubrics. Only one master entry with cross references has been made and its choice has been determined by the major interest underlying the compilation of the bibliography. Thus, a "Bibliography of the Miocene

Mollusca of Maryland" might have been gathered to include only those works referring to Maryland or to include references to those dealing with other mollusca or Miocene deposits found useful in preparing the accompanying monograph. In such editorial selection there is necessarily a greater likelihood of error and almost certain differences of opinion. The motive has been to place the major entry where it would most probably be sought and the cross references where they might be serviceable. When the same bibliographies have been issued several times only the latest edition has been cited.

Part III includes *Personal Bibliographies and Necrologies* with attached bibliographies found in geological literature and bibliographies of geologists, mineralogists, and paleontologists issued elsewhere.

The errors of omission, transcription, and classification have been eliminated as far as possible, yet no one can realize more fully than does the compiler the fact that this collection is far from the ideal in completeness and accuracy. The extensive resources of the U. S. Geological Survey, the Congressional Library, and the Geological Department of the Johns Hopkins University probably include practically everything dealing with American geological literature, but there must be many omissions of bibliographies of foreign origin. Such, however, are chiefly those appearing in publications rarely available to American geologists. In spite of these and other less manifest imperfections, it is hoped that the compilation will prove of service to geologists generally and save them time for the conduct of their manifold and important investigations.

If the compiler had been allowed his way he would have added as joint-author the name of Miss Grace E. Reed, whose efficient and careful assistance has added greatly to whatever of value there may be in this compilation.

JOHNS HOPKINS UNIVERSITY,
March, 1923.

LIST OF ABBREVIATIONS

- Aarg. naturf. Gesell., Mitth. Mitteilungen der aargauischen naturforschenden Gesellschaft.
- Acad. Caes. Leop.-Car., Nova Acta. Nova Acta Academiae Caesareae Leopoldino-Carolinae Germanicae Naturae Curiosorum. *See also* Leop.-Car. deutsch. Akad. Naturf., Abh.
- Acad. cienc. Madrid, Rev. Revista de la real Academia de ciencias exactas, físicas y naturales, Madrid.
- Acad. sci. St. Petersburg., Bull. Bulletin de l'Académie impériale des sciences, St. Petersburg.
- Acad. sci. St. Petersburg., Mém. Mémoires de l'Académie impériale des sciences, St. Petersburg.
- Acad. nac. Córdoba, Bol. Boletín de la Academia nacional de ciencias-en Córdoba.
- Acad. nac. Córdoba, Misc. Academia nacional de ciencias, Miscelanea.
- Acad. Nat. Sci. Phila., Journ. Journal of the Academy of Natural Sciences, Philadelphia.
- Acad. Nat. Sci., Phila., Proc. Proceedings of the Academy of Natural Sciences, Philadelphia.
- Acad. Roumaine Sect. sci., Bull. Bulletin de la Section scientifique de l'académie Roumaine.
- Acad. roy. Belg., Mém. Mémoires de l'Académie royale de Belgique. Classe des sciences.
- Acad. roy. sci. Danemark, Bull. Bulletin de l'Académie royale des sciences et des lettres de Danemark.
- Acad. roy. sci. Danemark, Mém. Mémoires de l'Académie royale des sciences et des lettres de Danemark.
- Acad. sci. Cracovie, Bull. Bulletin international de l'Académie des sciences de Cracovie.
- Acad. sci. Toulouse, Mém. Mémoires de l'Académie des sciences de Toulouse.
- Accad. d. Lincei, Atti. Atti della reale Accademia dei Lincei.
- Accad. d. Lincei, Mem. Memorie della reale Accademia dei Lincei. Classe de scienze fisiche, matematiche e naturali.
- Accad. d. Lincei, Rendic. Rendiconti della reale Accademia dei Lincei. Classe de scienze fisiche, matematiche e naturali.
- Accad. sci. Napoli, Rendic. Rendiconti della reale Accademia delle scienze fisiche e matematiche, Naples.
- Accad. sci. nat. Catania, Atti. Atti dell' Accademia Gioenia si scienze naturali, Catania.
- Accad. sci. Torino, Atti. Atti della reale Accademia delle scienze di Torino.
- Accad. sci. Torino, Mem. Memorie della reale Accademia delle scienze di Torino.
- Akad. Wetenschap. Amsterdam, Proc. sect. sci. K. Akademie van Wetenschappen te Amsterdam. Proceedings of the section of sciences.
- Akad. Wetenschap. Amsterdam, Verh. K. Akademie van Wetenschappen te Amsterdam, Verhandelingen.
- Akad. Wetenschap. Amsterdam, Versl. Verslagen der Vergaderingen van de wis-en natuurkundige Afdeling der koninklijke Akademie van Wetenschappen, Amsterdam.
- Akad. Wissensch. Berlin, Abh. Abhandlungen der königlich preussischen Akademie der Wissenschaften. Physikalisch-mathematische Klasse.
- Akad. Wissensch. Berlin, Sitz. Sitzungsberichte der Königlichen preussischen Akademie der Wissenschaften.
- Akad. Wissensch. München, Abh. Abhandlungen der mathematisch-physikalischen Klasse der K. B. Akademie der Wissenschaften zu München.
- Akad. Wissensch. München, Sitz. Sitzungsberichte der mathematisch-physikalischen Klasse der K. B. Akademie der Wissenschaften zu München.
- Akad. Wissensch. Wien, Denk. Denkschriften der kaiserlichen Akademie der Wissenschaften: Mathematisch-naturwissenschaftliche classe.
- Akad. Wissensch. Wien, Sitz. Sitzungsberichte der kaiserlichen Akademie der Wissenschaften, Wien.
- Ala. Geol. Surv., Bull. Bulletin of Alabama Geological Survey.
- Algeria. Serv. carte géol., Bull. Bulletin des Service de la carte géologique de l'Algérie.
- Alsace-Lorraine. Geol. Landesanst., Abh. Abhandlungen zur geologischen Specialkarte von Elsass-Lothringen.
- Alsace-Lorraine. Geol. Landesanst., Mitth. Mittheilungen der geologischen Landesanstalt von Elsass-Lothringen.
- Alsace-Lorraine. Serv. carte géol., Bull. Bulletin des Services de la carte géologique.
- Am. Acad. Arts & Sci., Mem. Memoirs of the American Academy of Arts and Sciences.
- Am. Acad. Arts. & Sci., Proc. Proceedings of the American Academy of Arts and Sciences.
- Am. Assoc. Adv. Sci. American Association for the Advancement of Science.
- Am. Cer. Soc., Trans. Transactions of the American Ceramic Society.
- Am. Geog. Soc., Bull. Bulletin of the American Geographical Society.
- Am. Geol. American Geologist.

- Am. Inst. M. E., Trans. Transactions of the American Institute of Mining Engineers.
 Am. Journ. Sci. American Journal of Science.
 Am. Min. American Mineralogist.
 Am. Min. Cong. American Mining Congress.
 Am. Mus. Nat. Hist., Bull. Bulletin of the American Museum of Natural History.
 Am. Mus. Nat. Hist., Mem. Memoirs of the American Museum of Natural History.
 Am. Nat. American Naturalist.
 Am. Phil. Soc., Proc. Proceedings of the American Philosophical Society.
 Am. Phil. Soc., Trans. Transactions of the American Philosophical Society.
 Ann. mines. Annales des mines.
 Ann. geol. balk. Annales géologiques de la péninsule balkanique.
 Ann. géol. et min. Russ. Annuaire géologique et minéralogique de la Russie.
 Ann. sci. nat., A. Annales des sciences naturelles; Zoologie et Paléontologie.
 Arch. Lagerstättenf. Archiv für Lagerstättenforschung.
 Arch. sci. phys. nat. Archives des sciences physiques et naturelles.
 Argentine Rep. Min. agri., An. Anales del Ministerio de Agricultura. Sección geología, mineralogía y minería.
 Argentine Rep. Dir. gen. min., Bol. Argentine Republic. Dirección general del minas, geología e hidrología. Boletín.
 Ariz. Univ., Bull. Min. tech. ser. University of Arizona Bulletin. Mineral technology series.
 Ark. Agri. Exp. Sta., Bull. Bulletin of the Arkansas Agricultural Experiment Station.
 Assoc. franç. av. sci., C. R. Comptes-rendus de l'Association française pour l'avancement des sciences.
 Augustana Lib. Publ. Augustana Library Publications.
 Austral. Assoc. Adv. Sci. Australasian Association for the Advancement of Science.
 Austral. Inst. Min. Eng., Proc. Proceedings of the Australasian Institute of Mining Engineers.
 Austral. Inst. Min. Eng., Trans. Transactions of the Australasian Institute of Mining Engineers.
 Austral. Mus., Rec. Records of the Australian Museum.
 Austria. Geol. Reichsanst., Abh. Abhandlungen der kaiserlich-königlichen geologischen Reichsanstalt.
 Austria. Geol. Reichsanst., Jahrb. Jahrbuch der kaiserlich-königlichen geologischen Reichsanstalt.
 Austria. Geol. Reichsanst., Verh. Verhandlungen der kaiserlich-königlichen geologischen Reichsanstalt.
 Baden. Geol. Landesanst., Mitth. Mittheilungen der grossherzoglich badischen geologischen Landesanstalt.
 Beitr. geol. Erfors. Deutsch. Schutz. Beiträge zur geologischen Erforschung der deutschen Schutzgebiete.
 Beitr. geol. Karte Schweiz. Beiträge zur geologischen Karte der Schweiz.
 Beitr. geol. Karte Schweiz, Geotech. ser. Beiträge zur geologischen Karte der Schweiz. Geotechnische Serie.
 Beitr. Paläont. Oesterr.-Ung. Beiträge zur Paläontologie und Geologie Österreich-Ungarns und des orientis.
 Beitr. z. Geophys. Beiträge zur Geophysik.
 Berg-hütt. Jahrb. Berg- und hüttenmännisches Jahrbuch der k. k. montanistische Hochschulen zu Leoben und Příbram.
 Bergens Mus. Aarb. Bergens Museums Aarbok (or Aarberetning).
 Bergw. Mitt. Bergwirtschaftliche Mitteilungen.
 Böhm. Gesell. Wissen., Sitz. Sitzungsberichte der königl.-böhmischen Gesellschaft der wissenschaften. Mathematisch-naturwissenschaftliche Klasse.
 Bol. nat. Siena. Bollettino del naturalista, Siena.
 Boston Soc. Nat. Hist., Mem. Memoirs of the Boston Society of Natural History.
 Boston Soc. Nat. Hist., Proc. Proceedings of the Boston Society of Natural History.
 Brazil. Comm. est. min., Final Rept. Brazil, Commissao de estudos das minas de carvão de pedra do Brazil. Final Report.
 Brazil. Serv. geol. Brazil, Serviço geológico e mineralógico.
 Brit. Assoc. Adv. Sci., Rept. Report of British Association for the Advancement of Science.
 Brit. Columbia Dept. Mines, Bull. Bulletin of Department of Mines, British Columbia.
 Buffalo Soc. Nat. Sci., Bull. Bulletin of the Buffalo Society of Natural Sciences.
 Bull. Am. Paleont. Bulletins of American Paleontology.
 Cal. Acad. Sci., Mem. Memoirs of the California Academy of Sciences.
 Cal. Acad. Sci., Proc. Proceedings of the California Academy of Sciences.

- Cal. State Min. Bur. Bull. Bulletin of the California State Mining Bureau.
 Cal. Univ., Mem. Memoirs of the University of California.
 Cal. Univ., Pub. in Geol. University of California Publications in Geology.
 Cal. Univ. Dept. Geol., Bull. University of California Publications. Bulletin of the Department of Geology.
 Cambridge Phil. Soc., Proc. Proceedings of the Cambridge Philosophical Society.
 Canad. Inst., Trans. Transactions of the Canadian Institute.
 Canad. Min. Inst., Bull. Monthly Bulletin of the Canadian Mining Institute.
 Canad. Min. Inst., Journ. Journal of the Canadian Mining Institute.
 Canad. Min. Inst., Trans. Transactions of the Canadian Mining Institute.
 Canad. Min. Journ. Canadian Mining Journal.
 Canad. Rec. Sci. Canadian Record of Science.
 Canada Comm. Con. Commission of Conservation, Canada.
 Canada Dept. Int., Mines Br. Canada Department of the Interior. Mines Branch.
 Canada Dept. Mines, Mines Br., Bull. Bulletin of Canada Department of Mines, Mines Branch.
 Canada Geol. Surv., Ann. Rept. Annual Report of the Geological Survey of Canada.
 Canada Geol. Surv., Mem. Memoirs of the Geological Survey of Canada.
 Canada Geol. Surv. Cont. Can. Paleont. Contribution to Canadian paleontology.
 Canada Geol. Surv., Vict. Mem. Mus., Bull. Canada Geological Survey, Victoria Memorial Museum, Bulletin.
 Carnegie Inst. Wash., Publ. Publications of the Carnegie Institution, Washington.
 Carnegie Mus., Pittsburgh, Ann. Annals of the Carnegie Museum, Pittsburgh.
 Carnegie Mus. Pittsburgh, Mem. Memoirs of the Carnegie Museum, Pittsburgh
 Centralb. f. Min. Centralblatt für Mineralogie, Geologie und Palaeontologie.
 Chicago Acad. Sci., Bull. Bulletin of the Chicago Academy of Sciences.
 Chicago Acad. Sci., Sp. Publ. Special Publications of the Chicago Academy of Sciences.
 China. Geol. Surv., Bull. Bulletin of the Geological Survey of China.
 Christiania Vidensk.-Forhandl. Christiania Videnskabs-selskabs Forhandlingar.
 Cinn. Soc. Nat. Hist., Journ. Journal of the Cincinnati Society of Natural History.
 Colo. Geol. Surv., Bulletin. Bulletin of the Colorado Geological Survey.
 Colo. Geol. Surv., Rept. Report of the Colorado Geological Survey.
 Colo. Sci. Soc., Proc. Proceedings of the Colorado Scientific Society.
 Colo. Univ. Studies. University of Colorado Studies.
 Columbia Univ. Dept. Geol., Contr. Contributions from the Geological Department of Columbia University.
 Com. invest. paleont. Comisión de investigaciones paleontológicas y prehistoricas. Memoria.
 Comm. State Reserv. Niagara, Ann. Rept. Annual Report of the Commissioners of the State Reservation at Niagara.
 Congrès géologique international. See Int. Geol. Cong.
 Connect. Acad. Sci., Trans. Transactions of the Connecticut Academy of Arts and Sciences.
 Connect. Geol. Surv., Bull. Connecticut State Geological and Natural History Survey. Bulletin.
 Cuba. Sec. agri., Bol. esp. Cuba, Secretaria de Agricultura, comercio y trabajo. Boletín especial.
 Cuba. Sec. agri., Bol. de minas. Cuba Secretaria de Agricultura, comercio y trabajo. Dirección de montes y minas. Boletín de minas.
- Dansk geol. foren., Meddel. Meddelelser fra Dansk geologisk forening.
 Danske videns. selsk., Skrifter. K. Danske Videnskaberne Selskab, Copenhagen. Naturvidenskabelig og mathematisk afdeling. Skrifter.
 Denison Univ., Sci. Lab., Bull. Bulletin of the Scientific Laboratories of Denison University.
 Denmark. Geol. undersøg. Danmarks Geologiske undersøgelse.
 Deutsch. geol. Gesell., Zeit. Zeitschrift der deutschen geologischen Gesellschaft.
 Deutsch. u. oesterr. Alpenver., Zeit. Zeitschrift des deutschen und österreichischen Alpenvereins.
- Eclogae Geol. Helv. Eclogae geologicae Helvetiae.
 Econ. Geol. Economic Geology.
 Edinb. Geol. Soc., Trans. Transactions of the Edinburgh Geological Society.
 Egypt Geol. Surv., Rept. Egypt Geological Survey. Report.
 Elisha Mitchell Sci. Soc., Journ. Journal of the Elisha Mitchell Scientific Society.
 Eng. & Min. Journ. Engineering and Mining Journal.

- Erdbeben-Komm. Akad. Wissensch., Wien. Mitth. Mittheilungen der Erdbeben-Kommission der k. Akademie der Wissenschaften in Wien.
- Fennia. Fennia: Bulletin de la Société de géographie de Finlande.
- Field Columbian Mus. Field Columbian Museum. Geological Series.
- Finland. Comm. géol., Bull. Bulletin de la Commission géologique de Finlande.
- Florida Geol. Surv., Ann. Rept. Annual Report of the Florida State Geological Survey.
- Földt. Közl. Földtani Közlöny, Budapest.
- Fortschr. Min. Krist. Petrogr. Fortschritte der Mineralogie, Kristallographie und Petrographie.
- France. Serv. carte géol., Bull. Bulletin des Services de la carte géologique de la France.
- France. Serv. carte géol., Mém. Mémoires pour servir à l'explication de la carte géologique détaillée de la France.
- France. Serv. top. souter., Études gîtes min. Col. franç. Études des gîtes minéraux de la France. Colonies françaises.
- Frank. Inst., Journ. Journal of the Franklin Institute.
- Franz Josefs-Akad., Abh. Abhandlungen der tschechischen Kaiser Franz Josefs-Akademie für Wissenschaft, Literatur und Kunst.
- Fysiogr. Sällsk. Lund Handl. Kongliga fysiografiska Sällskapets i Lund Handlingar.
- Geogr. Abh. Geographisches Abhandlungen.
- Geogr. Ann. Geografiska annaler, Stockholm.
- Geogr. Jahresb. Geographischer Jahresbericht aus Österreich.
- Geogr. Journ. Geographical Journal, London.
- Geogr. Rev. Geographical Review.
- Geogr. Gesell. Wien, Mitth. Mittheilungen der geographischen Gesellschaft in Wien.
- Geogn. Jahresh. Geognostische Jahreshefte.
- Geol. Assoc., Proc. Proceeding of the Geologists' Association.
- Geol. Fören. Stockh. Förh. Geologiska föreningens i Stockholm förhandlingar.
- Geol. Hung. Geologica Hungarica.
- Geol. Karte Schweiz., Erläut. Geologische Karte der Schweiz, Erläuterungen.
- Geol. Mag. Geological Magazine.
- Geol.-mijn. Genoots. v. Neder. en Kol. Verhandelingen van het geologisch-mijn-bouwhundig Genootschap voor Nederland en Kolonien.
- Geol. Rundsch. Geologische Rundschau.
- Geol. Soc. Am., Bull. Bulletin of the Geological Society of America.
- Geol. Soc. Glasgow, Trans. Transactions of the Geological Society of Glasgow.
- Geol. Soc. Hull, Trans. Transactions of the Geological Society of Hull.
- Geol. Soc. London, Q. J. Quarterly Journal of the Geological Society of London.
- Geol. Soc. S. Afr., Trans. Transactions of the Geological Society of South Africa.
- Geol. Soc. Tokyo, Journ. Journal of the Geological Society of Tokyo.
- Geol. u. paläont. Abh. Geologische und palaeontologische Abhandlungen.
- Geol. Zentralbl. Geologische Zentralblatt.
- Georgia Geol. Surv., Bull. Bulletin of the Georgia Geological Survey.
- Gesell. Erd. Berlin, Zeit. Zeitschrift der Gesellschaft für Erdkunde zu Berlin.
- Gesell. von Freund. Gera, Jahresh. Jahresbericht der Gesellschaft von Freunden der Naturwissenschaft in Gera.
- Gesell. Wissen. Göttingen, Abh. Abhandlungen der königlichen Gesellschaft der Wissenschaften zu Göttingen. Mathematisch-physikalische Klasse.
- Gesell. Wissen. Göttingen, Nachr. Nachrichten von der königlichen Gesellschaft der Wissenschaften zu Göttingen. Mathematisch-physikalische Klasse.
- Giorn. geol. prat. Giornale di geologia pratica.
- Glasgow Univ. Geol. Dept., Papers. Papers from the Geological Department Glasgow University.
- Gt. Brit. Geol. Surv., Mem. Memoirs of Geological Survey of Great Britain.
- Gt. Brit. Geol. Surv., Spec. Repts. Min. Res. Memoirs of the Geological Survey. Special Reports on the Mineral Resources of Great Britain.
- Grenoble, Univ., Ann. Annales de l'université de Grenoble.
- Grenoble, Univ. Lab. géol., Trav. Travaux du laboratoire de géologie de l'université Grenoble.
- Groningen, Min.-geol. Inst., Mitth. Mittheilungen aus dem mineralogisch-geologischen Institut der Reichs-Universität zu Groningen.
- Handb. reg. Geol. Handbuch der regionalen Geologie.
- Harvard Univ. Mus. Comp. Zool., Bull. Bulletin of the Museum of Comparative Zoology at Harvard College. Geological series.

- Hesse. Geol. Landesanst., Abh. Abhandlungen der grossherzoglich hessischen geologischen Landesanstalt zu Darmstadt.
- Hist. Monatsbl. Posen. Historische Monatsblätter für die Provinz Posen.
- Hungary. Geol. Anst., Jahrb. Jahrbuch der königlich ungarischen geologischen Anstalt.
- Hungary. Geol. Anst., Mitth. Mittheilungen aus dem Jahrbuche der königlich ungarischen geologischen Anstalt.
- Illinois Geol. Surv., Bull. Illinois State Geological Survey. Bulletin.
- Imp. Inst. Mon. Imperial Institute Monographs on Mineral Resources with special reference to the British Empire.
- India Geol. Surv., Mem. Memoirs of the Geological Survey of India.
- India Geol. Surv., Pal. Ind. Geological Survey of India. Palaeontologia indica.
- India Geol. Surv., Rec. Records of the Geological Survey of India.
- Indiana Dept. Conserv. Indiana Department of Conservation. Division of Geology. Publication.
- Indiana Dept. geol., Ann. Rept. Indiana Department of Geology and Natural Resources. Annual Report.
- Indo-China. Serv. géol., Bull. Bulletin du Service géologique de l'Indochine.
- Indo-China. Serv. géol., Mém. Mémoires du Service géologique de l'Indochine.
- Inst. Cat. Hist. Nat., Treb. Treballs de la institucio Catalana d'història natvral. Barcelona.
- Inst. M. E., Trans. Transactions of the Institution of Mining Engineers.
- Inst. Petrol. Tech., Journ. Journal of the Institution of Petroleum Technologists.
- Int. Geog. Cong., Rept. Report of the International Geographical Congress.
- Int. Geol. Cong. International Geological Congress.
- Iowa Acad. Sci., Proc. Proceedings of the Iowa Academy of Science.
- Iowa Geol. Surv. Iowa Geological Survey.
- Iowa Univ. Lab. Nat. Hist., Bull. Bulletin of the Laboratory of Natural History of University of Iowa.
- Ireland Geol. Surv., Mem. Memoirs of the Geological Survey of Ireland.
- Irish Nat. Irish Naturalist.
- Italy. Com. geol., Boll. Bollettino del R. Comitato geologico d'Italia.
- Italy. Com. geol., Mem. carta geol. Italy R. Comitato geologico. Memorie descrittive della carta geologica d'Italia.
- J. H. U. Circ. Johns Hopkins University Circulars.
- Jaarb. Mijnw. Ned. O.-Ind. Jaarboek van het Mijnwesen in Nederlandsch Oost-Indië.
- Jahrb. f. Berg- u. Hüttenw. Sachsen. Jahrbuch für das Berg- und Hüttenwesen in Königreiche Sachsen.
- Journ. Geol. Journal of Geology.
- Kansas Acad. Sci., Trans. Transactions of the Kansas Academy of Science.
- Kansas Geol. Surv. The University Geological Survey of Kansas.
- Kansas Univ., Sci. Bull. Science Bulletin of the University of Kansas.
- Ky. Dept. Geol. & Forest., Bull. Bulletin of the Department of Geology and Forestry of Kentucky.
- Ky. Geol. Surv. Kentucky Geological Survey.
- La Plata Mus., An. Sec. geol. y min. Anales del Museo de la Plata. Seccion geológica y mineralógica.
- La Plata Mus., Rev. Revista del Museo de la Plata.
- Lausanne, Univ. Lab. géol., Bull. Bulletin des laboratoires de géologie, géographie physique, minéralogie et paléontologie de l'Université de Lausanne.
- Leiden. Geol. R. Mus., Samml. Sammlungen des geologischen Reichs-Museums in Leiden.
- Leop.-Car. deutsch. Akad., Abh. Abhandlungen der kaiserlichen Leopoldinisch-Carolinischen deutschen Akademie der Naturforscher. See also Acad. Caes. Leop.-Car., Nova Acta.
- Linnean Soc. London, Trans. Transactions of the Linnean Society, London.
- Linnean Soc. N. S. W., Proc. Proceedings of the Linnean Society of New South Wales.
- Liverpool Geol. Soc., Proc. Proceedings of the Liverpool Geological Society.
- Lotos, Prag. Lotos, Prag.
- Louvain, Univ. Inst. géol., Mém. Mémoires de l'institut géologique de l'université de Louvain.
- Lunds geol. fältk., Meddel. Meddelande fran Lunds geologiska fältklubb.
- Lunds Univ. årssk. Lunds Universitets årsskrift.
- Lyon, Univ., Ann. Annales de l'université de Lyon. I. Sciences, Médecine.

- McGill Univ., Papers Dept. Geol. Papers from the Department of Geology McGill University.
- Mähr. Landesmus. Brünn, Zeit. Zeitschrift des Mährischen Landesmuseums Brünn.
- Manchester Phil. Soc., Mem. & Proc. Memoirs and Proceedings of the Manchester Literary and Philosophical Society.
- Marseille, Fac. sci., Ann. Annales de la Faculté des sciences de Marseille.
- Marseille, Mus. hist. nat., Ann. Annales del Musée d'histoire naturelle de Marseille.
- Matér. carte géol. Suisse. Matériaux pour la Carte géologique de la Suisse.
- Matér. géol. Caucase. Matériaux pour la géologie du Caucase, Tiflis.
- Mater. Geol. Russ. Materialien zur Geologie Russlands.
- Med. Grønland. Meddelelser om Grønland.
- Med. indust. Finland. Meddelanden fran industrystyrelsen i Finland.
- Med.-naturw. Gesell. Jena, Denks. Denkschriften der medicinisch-naturwissenschaftlichen Gesellschaft zu Jena.
- Mededeel. Rijksop. Delfstof. Mededeelingen van de Rijksopsporing van Delfstoffen.
- Melbourne, Nat. Mus., Mem. Memoirs of the National Museum, Melbourne.
- Md. Geol. Surv. Maryland Geological Survey.
- Mexico. Dept. minas, bol. min. Boletín minero, organo del Departamento de minas, Mexico.
- Mexico Inst. geol., An. Anales del Instituto geológico de Mexico.
- Mexico Inst. geol., Bol. Boletín del Instituto geológico de Mexico.
- Mich. Acad. Sci., Ann. Rept. Annual Report of the Michigan Academy of Science.
- Mich. Acad. Sci., Bull. Bulletin of the Michigan Academy of Science.
- Mich. Geol. Surv. Geological Survey of Michigan.
- Mín. & Eng. World. Mining and Engineering World.
- Min. & Sci. Press. Mining and Scientific Press.
- Min. Ind. Mineral Industry.
- Min. Mag. Mineralogical Magazine.
- Min. Sci. Mining Science.
- Minn. Geol. Surv., Bull. Bulletin of the Minnesota Geological Survey.
- Minn. Sch. Mines Exp. Sta., Bull. Bulletin of the University of Minnesota, Minnesota School of Mines Experiment Station.
- Miss. Geol. Surv., Bull. Bulletin of the Mississippi State Geological Survey.
- Mitth. Osterlande. Mittheilungen aus dem Osterlande, herausg. von der Naturforschenden Gesellschaft des Osterlandes.
- Mitth. Pollichia. Mittheilungen der Pollichia, Dürkheim.
- Mitth. staat. Bohr. Niederl. Mittheilungen der staatlichen Bohrverwaltung in den Niederlanden.
- Mo. Bur. Geol. Missouri Bureau of Geology & Mines.
- Mo. Geol. Surv. Missouri Geological Survey.
- Mo. Hist. Rev. Missouri Historical Review.
- Mo. Univ. Studies. University of Missouri Studies.
- Montana Univ., Bull. University of Montana Bulletin.
- Mus. cienc. nat. Madrid, Trab. Trabajos del Museo nacional de ciencias naturales Madrid, [Serie geológica].
- Mus. géol. Pierre le Grand, Trav. Travaux du Musée géologique Pierre le Grand.
- Mus. hist. nat. Belg., Mém. Mémoires du Musée royal d'histoire naturelle de Belgique.
- Mus. hist. nat. Paris, Nouv. arch. nouvelles Archives du Museum d'histoire naturelle, Paris.
- Mus. min. univ. Copenhague, Com. geol. Museum de minéralogie et de géologie de l'université de Copenhague. Communications géologiques.
- Mus. nac. Buenos Aires, An. Anales del Museo nacional de Buenos Aires.
- Mus. Paul., Rev. Revista do Museu Paulista.
- N. C. Geol. Surv., Bull. Bulletin of the North Carolina Geological and Economic Survey.
- N. J. f. Min. Neues Jahrbuch für Mineralogie, Geologie und Paläontologie.
- N. J. f. Min., B. B. Neues Jahrbuch für Mineralogie, Geologie und Paläontologie, Beilage-Band.
- N. J. Geol. Surv., Bull. Bulletin of the Geological Survey of New Jersey.
- N. J. Geol. Surv., Final Rept. Final Report of the State Geologist of New Jersey.
- N. S. Wales Geol. Surv., Mem. Pal. Memoirs of the Geological Survey of New South Wales, Paleontology.
- N. S. Wales Geol. Surv., Min. Res. Mineral Resources of the Geological Survey of New South Wales.
- N. S. Wales Geol. Surv., Rec. Records of the Geological Survey of New South Wales.

- N. Y. Acad. Sci., Ann. Annals of the New York Academy of Sciences.
 N. Y. Acad. Sci., Mem. Memoirs of the New York Academy of Sciences.
 N. Y. Acad. Sci., Sci. Surv. P. R. New York Academy of Sciences, Scientific Survey of Porto Rico and the Virgin Islands.
 N. Y. State Mus., Bull. Bulletin of the New York State Museum.
 N. Y. State Mus., Mem. Memoirs of the New York State Museum.
 N. Y. State Mus., Rept. State Geol. Report of the State Geologist.
 N. Z. Geol. Surv., Ann. Rept. Annual Report of the Geological Survey of New Zealand.
 N. Z. Geol. Surv., Bull. Bulletin of the Geological Survey of New Zealand.
 N. Z. Geol. Surv., Pal. Bull. Palaeontological Bulletin of the Geological Survey of New Zealand.
 N. Z. Inst., Trans. & Proc. Transactions and Proceedings of the New Zealand Institute.
 N. Z. Journ. Sci. New Zealand Journal of Science and Technology.
 Nat. Acad. Sci., Mem. Memoirs (or Biographical Memoirs) of the National Academy of Sciences, Washington.
 Nat. Acad. Sci., Proc. Proceedings of the National Academy of Sciences, Washington.
 Nat. Hist. Soc. Hertford. Transactions of the Natural History Society of Hertford.
 Nat. Hist. Soc. New Brunswick, Bull. Bulletin of the Natural History Society of New Brunswick.
 Natal & Zululand Geol. Surv., Rept. Reports of the Geological Survey of Natal and Zululand.
 Naturalist. Naturalist, London.
 Naturf. Gesell. Basel, Verh. Verhandlungen der naturforschenden Gesellschaft, Basel.
 Naturf. Gesell. Freiburg i. B., Ber. Berichte der naturforschenden Gesellschaft, Freiburg (Baden).
 Naturf. Gesell. Graubündens, Jahresb. Jahresbericht der naturforschenden Gesellschaft Graubündens.
 Naturf. Gesell. Zurich, Vier. Vierteljahrsschrift der naturforschenden Gesellschaft in Zurich.
 Naturh. Gesell. Colmar, Mitth. Mittheilungen der naturhistorischen Gesellschaft in Colmar.
 Naturh. Gesell. Nürnberg, Abh. Abhandlungen der naturhistorischen Gesellschaft zu Nürnberg.
 Naturh. Hofmus. Wien, Ann. Annalen des k. k. naturhistorischen Hofmuseums, Wien.
 Naturh. Ver. preuss. Rheinl., Sitz. Sitzungsberichte herausgegeben von naturhistorischen Verein der preussischen Rheinlande und Westfalens.
 Naturh. Ver. preuss. Rheinl., Verh. Verhandlungen des naturhistorischen Vereins der preussischen Rheinlande, Westfalens und des Regierungs-Bezirks Osnabrück.
 Naturw. Ver. Magdeburg, Jahresb. u. Abh. Jahresberichte und Abhandlungen des naturwissenschaftlichen Vereins in Magdeburg.
 Naturw. Ver. Schles.-Holstein, Schr. Schriften des naturwissenschaftlichen Vereins für Schleswig-Holstein.
 Naturw. Ver. Steiermark, Mitth. Mittheilungen des naturwissenschaftlichen Vereins für Steiermark.
 Nautilus. Nautilus.
 Nebraska Bd. Agri., Ann. Rept. Annual Report of Nebraska State Board of Agriculture.
 Nebraska Geol. Surv. Nebraska Geological Survey.
 Niedersäch. geol. Ver., Jahresb. Jahresbericht des niedersächsischen geologischen Vereins.
 Norges geol. Undersøk. Norges geologiska Undersøkelse.
 Norsk. geol. Tidsskr. Norsk geologisk Tidsskrift.
 North Stafford. Field Club, Trans. Transactions of the North Staffordshire Field Club.
 Oberrhein. geol. Ver., Ber. u. Versamml. Bericht über die Versammlungen des oberrheinischen Vereins.
 Ohio Acad. Sci., Proc. Proceedings of the Ohio State Academy of Science.
 Ohio Geol. Surv., Bull. Bulletin of the Geological Survey of Ohio.
 Ohio Nat. Ohio Naturalist.
 Okla. Geol. Surv., Bull. Bulletin of the Oklahoma Geological Survey.
 Ontario Bur. Mines, Rept. Report of the Bureau of Mines, Ontario.
 Oregon Univ., Bull. Bulletin of the University of Oregon.
 Ottawa Nat. Ottawa Naturalist.
 Padua, Univ., Mem. inst. geol. Memorie dell'istituto geologico della R. universita di Padova.
 Palaeont. Abh. Palaeontologische Abhandlungen.
 Palaeont. ital. Palaeontographia italica.

- Palaeont. Soc. Publ. Palaeontographical Society Publications.
 Paläont. Zeit. Palaeontologische Zeitschrift.
 Palaeontographica. Palaeontographica.
 Pam. fizyog. Pamietnik fizyograficzny Warszawa.
 Pan.-Am. Sci. Cong. Wash. D. C., Proc. Proceedings of Pan-American Scientific Congress, Washington, D. C.
 Penna. Geol. Surv., Rept. Report of the Topographic and Geologic Survey of Pennsylvania.
 Peru. Ing. minas, Bol. Boletín del cuerpo de ingenieros de minas del Perú.
 Phys.-med. Soc. Erlangen, Sitz. Sitzungsberichte der physikalisch-medizinischen Societät zu Erlangen.
 Phys.-ökon. Gesell. Königsberg, Schr. Schriften der physikalisch-ökonomischen Gesellschaft, Königsberg in Pr.
 Pont. Accad. rom. Lincei, Atti. Atti della Pontificia accademia romana dei nuovi Lincei.
 Portugal. Serv. geol., Comm. Communicações do Commissão do serviço geológico de Portugal.
 Princeton Univ. Cont. Geol. Newfoundland. Princeton University Contributions to the Geology of Newfoundland.
 Princeton Univ. Exp. Patagonia, Repts. Reports of the Princeton University Expeditions to Patagonia, 1896-1899.
 Prussia. Geol. Landesanst., Abh. Abhandlungen der königlich preussischen geologischen Landesanstalt.
 Prussia. Geol. Landesanst., Jahrb. Jahrbuch der königlich preussischen geologischen Landesanstalt.
 Publ. cienc. nat. Barcelona. Publicacions de la junta de ciències naturals de Barcelona.
 Quebec Dept. Coloniz. Mines Br. Province of Quebec, Canada, Department of Colonization, Mines and Fisheries, Mines Branch.
 Queensland Geol. Surv., Publ. Queensland Geological Survey. Publications.
 Res. Tenn. The Resources of Tennessee.
 Res. wissén. Erf. Balatonsees. Resultate der wissenschaftlichen Erforschung des Balatonsees.
 Rev. gén. bot. Revue général de botanique.
 Riv. geog. ital. Rivista geografica italiana, Firenze.
 Riv. ital. paleont. Rivista italiana paleontologia.
 Riv. min. e crist. Rivista di mineralogia e cristallografia italiana.
 Rochester Acad. Sci., Proc. Proceedings of the Rochester Academy of Science.
 Roy. Dub. Soc., Econ. proc. Economic Proceedings of the Royal Dublin Society.
 Roy. Dub. Soc., Sci. proc. Scientific Proceedings of the Royal Dublin Society.
 Roy. Soc. Canada, Proc. & Trans. Proceedings and Transactions of the Royal Society of Canada.
 Roy. Soc. Edinb., Proc. Proceedings of the Royal Society of Edinburgh.
 Roy. Soc. Edinb., Trans. Transactions of the Royal Society of Edinburgh.
 Roy. Soc. Lond., Phil. Trans. Philosophical Transactions of the Royal Society of London.
 Roy. Soc. N. S. Wales, Journ. & Proc. Journal and Proceedings of the Royal Society of New South Wales.
 Roy. Soc. S. Aust., Trans. & Proc. Transactions and Proceedings of the Royal Society of South Australia.
 Roy. Soc. Vict., Proc. Proceedings of the Royal Society of Victoria.
 Rumania. Inst. geol., An. Anuarul institutului geologic al Romaniei.
 Russ. Cab. S. M., Sec. géol. Trav. Travaux de la section géologique du cabinet de sa majesté.
 Russ. min. Gesell., Verh. Verhandlungen der russisch-kaiserlichen mineralogischen Gesellschaft zu St. Petersburg.
 Russia. Com. géol., Bull. Bulletins du Comité géologique, Russie.
 Russia. Com. géol., Mém. Mémoires du Comité géologique, Russie.
 S. Afr. Mus., Ann. Annals of the South African Museum.
 S. Afr. Phil. Soc., Trans. Transactions of the South African Philosophical Society.
 S. Aust. Geol. Surv., Bull. Bulletin of the Geological Survey of South Australia.
 S. Aust. Gov. Geol., Ann. Rept. Annual Report of South Australia Government Geologist.
 S. Dak. Geol. Surv., Bull. Bulletin of the South Dakota Geological Survey.
 S. Dak. Geol. Surv., Circ. Circular of the South Dakota Geological Survey.
 S. Dak. Sch. Mines, Bull. South Dakota School of Mines, Bulletin, Department of Geology.

- Sachs. Akad. Wissen. Leipzig, Abh. Abhandlungen der sächsischen Akademie der Wissenschaften. Mathematische-physikalische Klasse.
- Sachs. Akad. Wissen. Leipzig, Ber. u. d. Verh. Berichte über die Verhandlungen der sächsischen Akademie der Wissenschaften zu Leipzig. Mathematische-physikalische Klasse.
- St. Louis Acad. Sci., Trans. Transactions of the Academy of Science of St. Louis.
- San Diego Soc. Nat. Hist., Trans. Transactions of the San Diego Society of Natural History.
- Saxony. Geol. Karte, Erläut. Erläuterungen zur geologischen Spezialkarte des Königreichs Sachsen.
- Sch. Min. Quart. School of Mines Quarterly.
- Schw. naturf. Gesell., N. Denk. Neue Denkschriften der allgemeinen schweizerischen Gesellschaft für die gesammte Naturwissenschaften.
- Schw. naturf. Gesell., Verh. Verhandlungen der schweizerischen naturforschenden Gesellschaft.
- Schw. paläont. Gesell., Abh. Abhandlungen der Schweizerischen paläontologischen Gesellschaft. *See also* Soc. paläont. suisse, Mem.
- Schwed. Südpolar Exp. 1901-1903, Wissenschaft. Ergeb. Wissenschaftliche Ergebnisse der Schwedischen Südpolar Expedition, 1901-1903.
- Sci. Science.
- Sci. et nat. Brux. Science et nature, Bruxelles.
- Sci. Prog. Science Progress in the Twentieth Century.
- Scotland Geol. Surv., Mem. Memoirs of the Geological Survey, Scotland.
- Seis. Soc. Am., Bull. Bulletin of the Seismological Society of America.
- Senckenb. naturf. Gesell., Abh. Abhandlungen herausgegeben von der Senckenbergischen naturforschenden Gesellschaft.
- Senckenb. naturf. Gesell., Ber. Bericht der Senckenbergischen naturforschenden Gesellschaft.
- Smith. Misc. Coll. Smithsonian Miscellaneous Collections.
- Smith. Inst., Ann. Rept. Annual Report of the Smithsonian Institution.
- Smith. Inst. Publ. Smithsonian Institution Publications.
- Soc. anthro. Lyon, Bull. Bulletin de la Société d'anthropologie de Lyon.
- Soc. anthro. Paris, Bull. Bulletin et mémoires de la Société d'anthropologie de Paris.
- Soc. belge astron. Société belge d'astronomie de meteorologie et de physique du globe.
- Soc. belge géol., Brux., Bull. Bulletin de la Société belge de géologie, de paléontologie et d'hydrologie. Brussels.
- Soc. belge géol., Brux., Mém. Mémoires de la Société belge de géologie, de paléontologie et d'hydrologie. Brussels.
- Soc. belge géol. Brux., Nouv. mém. Nouveaux mémoires de la Société belge de géologie, de paléontologie et d'hydrologie. Brussels.
- Soc. cient. "Antonio Alzate," Mem. Memorias y revista de la Sociedad científica "Antonio Alzate."
- Soc. franç. min., Bull. Bulletin de la Société française de mineralogie.
- Soc. géol. Belg., Ann. Annales de la Société géologique de Belgique.
- Soc. géol. Belg., Mém. Mémoires de la Société géologique de Belgique.
- Soc. géol. France, Bull. Bulletin de la Société géologique de France.
- Soc. géol. France, Mém. Mémoires de la Société géologique de France.
- Soc. geol. ital., Boll. Bollettino della Società geologica italiana.
- Soc. geol. Mex., Bol. Boletín de la Sociedad geologica Mexicana.
- Soc. géol. Nord, Ann. Annales de la Société géologique du Nord.
- Soc. géol. Normandie, Bull. Bulletin de la Société géologique de Normandie.
- Soc. hist. nat. Chambéry, Bull. Bulletin de la Société d'histoire naturelle Chambéry.
- Soc. ing. ital., Ann. Annali della Società degli ingegneri e architetti italiani, Roma.
- Soc. lig. sci. nat., Genova, Boll. Bollettino della Società ligustica di scienze naturali e geografiche Genova.
- Soc. linn. Lyon, Ann. Annales de la Société linnéenne de Lyon.
- Soc. nac. min. Santiago, Bol. Boletín de la Sociedad nacional de minería Santiago de Chile.
- Soc. nat. Kiev, Mém. Mémoires de la Société des naturalistes de Kiev.
- Soc. nat. mat. Modena, Atti. Atti della Società dei naturalisti e matematici, Modena.
- Soc. nat. Moscou, Bull. Bulletin de la Société impériale des naturalistes de Moscou.
- Soc. nat. Moscou, Nouv. mém. Nouveaux mémoires de la Société impériale des naturalists de Moscou.
- Soc. nat. Podolie, Mém. Mémoires de la Société des naturalistes et des amis de la nature en Podolie.
- Soc. neuch. sci. nat., Bull. Bulletin de la Société neuchâteloise des sciences naturelles.

- Soc. paléont. suisse, Mém. Mémoires de la Société paléontologique suisse.
 Soc. phys. Genève, Mém. Mémoires de la Société de physique et d'histoire naturelle de Genève.
 Soc. port. sci. nat., Mém. Mémoires publiés par la Société portugaise des sciences naturelles.
 Soc. sci. nat. Ouest, Bull. Bulletin de la Société des sciences naturelles de l'Ouest.
 Soc. sci. nat. Saône-et-Loire, Bull. Bulletin de la Société des sciences naturelles de Saône-et-Loire.
 Soc. sism. ital., Boll. Bollettino della Società sismologica italiana.
 Soc. statist. Isère, Bull. Bulletin de la Société de statistiques, des sciences naturelles et des arts industriels de l'Isère.
 Soc. vaud. sci. nat., Bull. Bulletin de la Société vaudoise des sciences naturelles.
 Spain. Com. geol., Bol. Boletín de la Comisión del mapa geológico de España.
 Spain. Inst. geol., Bol. Boletín del Instituto geológico de España.
 Spelunca. Spelunca, Bulletin et Mémoires de la Société de spéléologie.
 Sven. Vetenskap. Handl., Arsbok. k. Svenska Vetenskapsakademien handlingar, Årsbok.
 Sweden. Sver. geol. Undersök. Sveriges geologiska undersökning.
- T. M. P. M. Tschermak's mineralogische und petrographische Mittheilungen.
 Tasmania Geol. Surv., Bull. Tasmania Geological Survey Bulletin.
 Tasmania Geol. Surv., Rec. Tasmania Geological Survey Records.
 Tenn. Acad. Sci., Trans. Transactions of the Tennessee Academy of Science.
 Tenn. Geol. Surv., Bull. Bulletin of the Tennessee Geological Survey.
 Texas Acad. Sci., Trans. Transactions of the Texas Academy of Science.
 Texas Univ., Bull. Texas University, Bulletin.
 Tokyo Imp. Univ. Coll. Sci., Journ. Journal of the College of Science, Imperial University of Tokyo, Japan.
 Toronto Univ., Studies. University of Toronto Studies, Geological Series.
- U. S. Bur. Mines, Bull. Bulletin of the United States Bureau of Mines.
 U. S. Bur. Mines, Repts. Invest. Reports of Investigations of United States Bureau of Mines.
 U. S. Bur. Mines, Tech. Papers. Technical Papers of the United States Bureau of Mines.
 U. S. Geol. Surv., Bull. Bulletin of the United States Geological Survey.
 U. S. Geol. Surv., Geol. Atlas. Geologic Atlases of the United States Geological Survey.
 U. S. Geol. Surv., Min. Res. United States Geological Survey. Mineral Resources of the United States.
 U. S. Geol. Surv., Mon. Monographs of the United States Geological Survey.
 U. S. Geol. Surv., Prof. Paper. Professional Papers of the United States Geological Survey.
 U. S. Geol. Surv., Water-Supply Paper. Water-Supply Papers of the United States Geological Survey.
 U. S. Nat. Mus., Bull. Bulletin of the United States National Museum.
 U. S. Nat. Mus., Proc. Proceedings of the United States National Museum.
 Union S. Afr. Geol. Surv., Mem. Union of South Africa Geological Survey. Memoirs.
 Upsala Univ., Bull. Geol. Inst. Bulletin of the Geological Institution of the University of Upsala.
- Va. Geol. Surv., Bull. Bulletin of the Virginia Geological Survey.
 Ver. Natur. Mecklenburg, Arch. Archiv des Vereins der Freunde der Naturgeschichte in Mecklenburg.
 Ver. f. Erdk. Darmstadt, Notizb. Notizblatt des Vereins für Erdkunde zu Darmstadt.
 Ver. Naturk. Württ., Jahresh. Jahreshefte des Verein für vaterländische Naturkunde in Württemberg.
 Vermont State Geol., Rept. Report of the State Geologist on the Mineral Industries and Geology of Vermont.
 Vict. Geol. Surv., Bull. Bulletin of the Geological Survey of Victoria.
 Vict. Geol. Surv., Rec. Records of the Geological Survey of Victoria.
 Vict. Inst. London, Journ. Journal of the Transactions of the Victoria Institute, London.
- W. Austral. Geol. Surv., Bull. Bulletin of the Western Australia Geological Survey.
 Wagner Inst. Sci., Trans. Transactions of the Wagner Free Institute of Science, Phila.
 Wash. Acad. Sci., Proc. Proceedings and Journal of the Washington Academy of Science.
 Wash. Geol. Surv., Ann. Rept. Annual Report of the Washington Geological Survey.
 Wash. Geol. Surv., Bull. Bulletin of the Washington Geological Survey.

Wis. Geol. Surv., Bull. Bulletin of the Wisconsin Geological and Natural History Survey.

Wis. Nat. Hist. Soc., Bull. Bulletin of the Wisconsin Natural History Society.

Wyo. State Geol., Bul. Wyoming, Geologist's Office, Bulletin.

Yorks. Geol. Soc., Proc. Proceedings of the Yorkshire Geological Society.

Yorks. Nat. Union, Leeds, Trans. Transactions of the Yorkshire Naturalists' Union, Leeds.

Zeit. f. Gletscherk. Zeitschrift für Gletscherkunde.

Zeit. f. Kryst. Zeitschrift für Krystallographie und Mineralogie.

Zeit. f. prak. Geol. Zeitschrift für praktische Geologie.

Zeit. f. Vulkan. Zeitschrift für Vulkanologie.

Zool.-bot. Gesell. Wien, Abh. Abhandlungen der k. k. zool.-bot. Gesellschaft in Wien.

Zool. Rec. Zoological Record.



PART I

GENERAL BIBLIOGRAPHIES

A. Current¹ Bibliographies and Abstract Journals.

- 1 **American geological literature**, monthly authors' catalogue arranged alphabetically. *Am. Geol.*, 29-36, 1902-1905. 1902, vols. 29-30; 1903, vols. 31-32; 1904, vols. 33-34; 1905, vols. 35-36; (1902-05. Regional.)
- 2 **Annales des mines. Bibliographie** . . . 1896-1914. *Its Mém.* 9 sér. 9-20, 1896-1901; 10 sér. 1-20, 1902-11; 11 sér. 1-5, 1912-14;— (1896-1914. General.)
- 3 **Annuaire géologique et minéralogique de la Russie. Vol. 1—** Varsovie, 1896-? ; (1896-1913. Regional.) Each volume contains a bibliography for the year indexed by subject.
- 4 **Bibliographia geologica. Répertoire des travaux concernant les sciences géologiques dressé d'après la classification décimale.** . . . Bruxelles, 1897-? ; (1896-1904. General.) Editors: 1897-, M. Mourlon, with the collaboration of G. Simoens. In two series: A. Covering works published before 1896. B. Works published 1896-1904.
- 5 ***Bibliographie der deutschen naturwissenschaftlichen Litteratur.** Herausgegeben im Auftrage des Reichsanstes des Innern von deutschen Bureau der international Bibliographie in Berlin. Jena, I Jahrg. 1901.
- 6 **Bibliographie geologique du Portugal et de ses colonies 1893—** . . . [Beginning with 1913— by P. Choffat and E. Fleury. 1893-1895 bear titles of Bibliographie only.] Portugal. *Serv. geol., Comm.* 3- , 1895- . 1893-97, vol. 3, 104-108, 294-299 (134 entries); 1894-1900, vol. 4, 228-236 (112 entries); 1898-1902, vol. 5, 254-277 (175 entries); 1902-05, vol. 6, 197-210, 213, 365-376 (137 entries); 1906-07, vol. 7, 187-221 (86 entries); 1908-09, vol. 8, 181-216 (103 entries); 1910-12, vol. 9, 248-288 (154 entries); 1913, vol. 10, 234-263 (86 entries); 1914, vol. 11, 145-198 (120 entries). (1107 entries. 1893-1914. Regional.)
- 7 **Bibliography of North American geology for 1732—** with subject index . . . Washington, 1896- . U. S. Geol. Surv., Bull. 127- . 1732-1891, Bull. 127, authors and subjects combined; 1892-1900, Bulls. 188, 189 (6548 entries); 1901-1905, Bull. 301 (ca 10,946 entries); 1906-07, Bull. 372 (2672 entries); 1908, Bull. 409 (1215 entries); 1909, Bull. 444 (1305 entries); 1910, Bull. 495 (1410 entries); 1911, Bull. 524 (1266 entries); 1912, Bull. 545 (1275 entries); 1913, Bull. 584 (1357 entries); 1914, Bull. 617 (1357 entries); 1915, Bull. 645 (1227 entries); 1916, Bull. 665 (1281 entries); 1917, Bull. 684 (1194 entries); 1918, Bull. 698 (1099 entries); 1919, (1732- . Regional.) 1732-1891 by N. H. Darton. 1892-1895 by F. B. Weeks, 1906-07 by F. B. Weeks and J. N. Nickles. 1908- by J. N. Nickles.
- 8 **Bibliography of petroleum and allied substances; by E. H. Burroughs.** U. S. Bur. Mines, Bull. 149- . 1915, Bull. 149 (1455 entries); 1916, Bull. 165 (1357 entries); 1917, Bull. 180 (1489 entries); 1918, Bull. 189 (1725 entries); 1919-20, in press. (6026 entries. 1915- . General.)
- 9 **Förteckning öfver svensk geologisk, paleontologisk, petrografisk och mineralogisk litteratur . . . av F.E. Åhlander.** Geol. Fören. Stockh. Förh., 23, 1901- . 1899-1900, vol. 23, 185-198 (231 entries); 1901-03, vol. 25, 432-448 (293 entries); 1904-06, vol. 29, 49-67 (271 entries); 1907-17, vol. 41, 539-606 (1036 entries); 1918-19, vol. 42, 453-464 (193 entries); (2024 entries. 1899-1919. Regional.)

¹The term "current" applies to the period of the bibliography, not to the date of publication. Many of the entries listed have ceased publication.

*Not seen.

- 10 **Geological society, London.** Geological literature added to the Geological society's library during the half-year ended December, 1894- [No. 1]- (1895- General.)
- 11 **Geologisches Zentralblatt**, 1, 1901- (General; covers literature of all countries by reviews and indexed.)
- 12 **Index bibliographique . . .** par N. I. Krištafovič. *Ann. géol. et min. Russ.*, 7, 1895, 1901, vol. 7-II, 1-47, (2807 entries); 1902, vol. 8-II, 1-56, (2237 entries); 1903, vol. 9-II, 1-52, (2059 entries); 1904, vol. 10-II, 1-54, (2366 entries); 1905, vol. 11- , 1-82, (3358 entries includes Suppl. 1896-06); 1906, *1907, *1908, *1909, *1910, 1911, vol. 14- , 1-76, (1909 entries); *1912, vol. 15- , 1-90. (Regional.)
- 13 **International catalogue of scientific literature . . .** Published for the International Council by the Royal society of London, London, 1902- . G. Mineralogy. 1-14, 1901-1914; H. Geology. 1-14, 1901-1914; K. Paleontology. 1-14, 1901-1914. (General.)
- 14 **The Mining world index of current literature.** 1- . Chicago, 1912- (1912- . General.) Compiled and revised semi-annually from index of the world's current literature appearing weekly in Mining and Engineering world.
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