RESOURCES FOR MALACOLOGICAL RESEARCH IN ORTON MEMORIAL LIBRARY OF GEOLOGY

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Orton Hall, on the campus of the Ohio State University, Columbus, is a dramatic, appropriate setting for a geological library. The Richardsonian Romanesque structure is constructed of forty varieties of Ohio building stone, arranged in stratigraphic order. Red sandstone around the windows, doors, and chimes tower and Berea Sandstone on the first and second floors represent the Mississippian age. The basement is constructed of Springfield Dolomite and Dayton Limestone (Silurian) and Columbus Limestone (Devonian) forms the steps leading to the main entrance. Red sandstone heads of extinct animals encircle the top of the chimes tower. The grounds surrounding the building are enhanced with various concretions and a thirty-ton erratic boulder of anorthosite of Pleistocene origin.

Edward Orton, professor of geology and the first president of the University, conceived the idea for the unique building. As a fitting memorial to his father, Edward Orton, Jr. established and furnished a library of geological literature off the main foyer, adjacent to the Orton Geological Museum. Paintings of Ohio state geologists and geological landscapes complement the warm oak paneling and cork tile floors in the main reading room.

Since its formal dedication in 1920, Orton Library's collection has grown to 42,500 books, 477 periodical titles, and 43,700 maps. Many of its first editions are from the Ortons' personal libraries. The Library is a depository for all Ohio Geological Survey publications, not only those published by the Survey, but also those publications sent to that organization on a gift or exchange basis by other state geological surveys, surveys of foreign countries, and numerous geological organizations.

Although the Library's holdings encompass the entire range of geological research, from the traditional fields of mineralogy and paleontology to lunar geology and environmental pollution, one of its strengths is molluscan literature. It is this segment of the collection we wish to discuss. A guide to information sources (bibliographies and other reference tools) prefaces a list of serial publications that publish molluscan research. Finally, we mention the general treatises and regional studies in the Orton Memorial Library collection.

GUIDE TO INFORMATION SOURCES

There are both primary and secondary sources of information in a geological library. To obtain primary source literature (*e.g.*, books, reports, serial articles), the researcher frequently consults general bibliographies, current and retrospective:

NICKLES, John M. (1923-1924) Geologic literature of North America, 1785-1918. (U.S.G.S. Bulletin 746 and 747) Washington, D.C., Govt. Prtg. Office, 2 vols.

U.S. GEOLOGICAL SURVEY (1923-1970) Bibliography of North American geology. Washington, Govt. Prtg. Office.

Annual; issued as U.S.G.S. Bulletins, covers the period 1919-1970. Cites publications 'concerning the geology of the North American continent, Greenland, the West Indies and adjacent islands, Hawaii, Guam, and other island possessions but not the trust territories. Articles by American authors published in foreign journals are cited if they deal with North American localities or are of a general

nature ... Articles on North America by foreign authors are included regardless of place of publication.' Arranged alphabetically by author with a subject index. Complements the Bibliography and index of geology exclusive of North America *until the latter changed its name to* Bibliography and index of geology *in 1969 and began world-wide coverage. Ceased publication with 1970 volume. See* Bibliography and index of geology *after that date.*

GEOLOGICAL SOCIETY OF AMERICA (1934-) Bibliography and index of geology. Boulder, Colo.

Monthly; world-wide in scope. Each issue is divided into 21 intradisciplinary categories and the citations within each category are arranged alphabetically by authors. Descriptors or key words accompany many of the citations. The code at the end of each citation represents a unique accession number in the American Geological Institute's GEO-REF, a computerized, indexed reference file. There is also a subject index for each monthly issue and annual compilation.

ZOOLOGICAL RECORD (1864-) London, Zoological Society of London.

Annual; contains roughly 15,000 references a year from world-wide literature. Issued in sections (e.g., Mollusca), each with a subject index.

SPECIALIZED BIBLIOGRAPHIES ARE ANOTHER SOURCE OF LITERATURE:

BOYLE, Cornelius Breckinridge (1893) A catalogue and bibliography of North American Mesozoic Invertebrata. (U.S.G.S. Bulletin 102, Washington, Govt. Prtg. Office, 315 p.

BRANSON, CARL COLTON (1948) Bibliographic Index of Permian Invertebrates. (Geological Society of America. Memoir 26) New York, 1049 p.

HAAS, Otto (1958) Recent literature on Mesozoic ammonites. (Jour. Paleont. 32 (3):624-635).

KEEN, Angeline Myra (1937) An abridged checklist and bibliography of West North American marine Mollusca. Stanford, Calif., Stanford Univ. Press; London, H. Milford, Oxford University Press. 87 p.

MARCOU, John Belknap (1885) Bibliography of publications relating to the collection of fossil invertebrates in the United States National Museum, including complete lists of the writings of Fielding B. Meek, Charles A. White and Charles D. Walcott. (Bibliographies of American naturalists, 3; U.S. National Museum Bull. 30) Washington, D.C. 333 p.

RICHARDS, Horace Gardiner, comp. (1968) Catalogue of invertebrate fossil types at the Academy of Natural Sciences of Philadelphia. (Academy of Nat. Sci. Phila., Spec. Publ. no. 8) Philadelphia, Acad. Nat. Sci. 222p.

VOKES, Harold E. (1967) Genera of the Bivalvia—a systematic and bibliographic catalogue. (Bull. Amer. Paleontology, v. 51, no. 232, p. 111-394)

WELLER, Stuart (1898) A bibliographic index of North American Carboniferous invertebrates. (U.S.G.S. Bull. 153) 653 p.

WHITE, Charles Abiathar (1878) Bibliography of North American invertebrate Paleontology, being a report upon the publications that have hitherto been made upon the invertebrate paleontology of North America, including the West Indies and Greenland. By C. A. White and H. Alleyne Nicholson. (U.S.G.S. of the Territories. Misc. Publ. no. 10) 132 p.

YOCHELSON, Ellis L. (1967) A bibliographic index of North American Late Paleozoic Hyolitha, Amphineura, Scaphopoda, and Gastropoda, by E. L. Yochelson and Burnett W. Saunders. (U.S.G.S. Bull. 1210) 271 p.

IN ADDITION TO BIBLIOGRAPHIC SERIALS AND COMPILATIONS, ONE MUST BE ACQUAINTED WITH OTHER REFERENCE SOURCES IN THE LIBRARY:

ATLASES

HALLAM, A., ed. (1973) Atlas of palaeobiogeography. Amsterdam, New York, Elsevier, 531 p.

JOLEAUD, Léonce (1939) Atlas de paléobiogéographie. Paris, Lechevalier, 40 p.

VERNIORY, René (1970) Atlas de paléontologie des invertébrés. Genève, Georg. 223 p.

BIOGRAPHICAL DIRECTORIES

AMERICAN MALACOLOGISTS, 1973-74 (1973) Editor-in-chief: R. Tucker Abbott. Falls Church, Va. 494 p.

AMERICAN MEN AND WOMEN OF SCIENCE. (1971) 12th ed., New York, Bowker, 6 vols.

LAMBRECHT, K. (1938) Palaeontologi. Catalogus bio-bibliographicus, by K. Lambrecht, W. and A. Quenstedt, (Fossilium Catalogus I: Animalia, pars 72, 495 p.)

WESTERMANN, G.E.G., comp. (1968) Directory of palaeontologists of the world (excluding Soviet Union and continental China) 2d ed. Sponsored by the International Palaeontological Union. Hamilton, Ontario, Canada, McMaster University. 250 p.

CATALOGS AND COLLECTIONS

ANDERSON, Ernest Masson (1936) Catalogue of types and figured specimens of fossils in the Geological Survey collections now exhibited in the Royal Scottish Museum, Edinburgh. London, H.M. Stat. Off. 77p.

BRITISH MUSEUM (Natural History) Department of Geology (1886) A guide to the exhibition galleries of the Department of Geology and Palaeontology in the British Museum (Natural History) 4th ed. London, Printed by order of the Trustees. 117 p.

---- (1888-1951) Catalogue of the fossil Cephalopoda in the British Museum (Natural History) by Arthur H Foord. London, Printed by order of the Trustees. 5 vols.

---- (1891) Systematic list of the Frederick E. Edwards collection of British Oligocene and Eocene Mollusca in the British Museum (Natural

History), with references to the type-specimens from similar horizons contained in other collections belonging to the Geological Department of the Museum. By Richard Bullen Newton. London, Printed by order of the Trustees. 365 p.

---- (1907) A guide to the fossil invertebrate animals in the Department of Geology and Palaeontology in the British Museum (Natural History). London, Printed by order of the Trustees. 182 p.

---- (1923) A guide to the exhibition galleries of the Department of Geology and Palaeontology. London, Printed by order of the Trustees. 64 p.

---- (1938) A catalogue of the ammonites of the Liassic family Liparoceratidae in the British Museum (Natural History) by L. F. Spath. London, Printed by order of the Trustees. 191 p.

BRITISH MUSEUM (Natural History) Department of Zoology (1913) Catalogue of the British species of *Pisidium* (Recent and fossil) in the collections of the British Museum (Natural History). London, Printed by order of the Trustees. 144 p.

CANADA, GEOLOGICAL SURVEY (1960-) Catalogue of type invertebrate fossils of the Geological Survey of Canada, by Thomas E. Bolton, Ottawa, Queen's Printer.

DOUVILLÉ, Robert (1915) Études sur les Cosmocératidés des collections de l'École nationale supérieure des Mines et de quelques autres collections publiques ou privées. (France. Service de la carte géologique de la France. Mémoires pour servir à l'explication de la carte géologique détaillée de la France) Paris, Imprimerie Nationale. 75 p.

HANZAWA, Shōshirō, comp. (1961) Catalogue of type-specimens of fossils in Japan. Compiled by Shōshirō Hanzawa, Kiyoshi Asano, and Fuyuji Takai. Tokyo, Palaeontological Society of Japan. 422 p.

KEEN, Angeline Myra (1939) Illustrated key to West North American pelecypod genera, by A. Myra Keen and Don L. Frizzell. Stanford, Calif., Stanford University Press; London, H. Milford, Oxford University Press. 28 p.

MANTELL, Gideon Algernon (1851) Petrifactions and their teachings: or, A hand-book to the Gallery of Organic Remains of the British Museum. London, H. G. Bohn. 496 p.

MILLER, Samuel Almond (1877) The American Palaeozoic fossils: a catalogue of the genera and species, with names of authors, dates, places of publication, groups of rocks in which found, and the etymology and signification of the words, and an introduction devoted to the stratigraphical geology of the Palaeozoic rocks. Cincinnati, Ohio, The Author, 253 p.

STENZEL, Henryk Bronislaw (no date) Type Invertebrate fossils of North America (Eocene, Paleocene, Oligocene). Prepared by H.B. Stenzel and F. E. Turner. Austin, Texas, Bureau of Economic Geology. Cards 1-148.

TURNER, Ruth Dixon (1966) A survey and illustrated catalogue of the Teredinidae (Mollusca: Bivalvia). Cambridge, Mass., Museum of Comparative Zoology, Harvard University. 265 p.

TYPE INVERTEBRATE FOSSILS OF NORTH AMERICA (DEVONIAN) (1936-1938) Philadelphia, Wagner Free Institute of Science. 3 vols.

WARD, Henry Augustus (1866) Catalogue of casts of fossils, from the principal museums of Europe and America, with short descriptions and illustrations. Rochester, New York, Benton and Andrews, 228 p.

WILLARD, Bradford (1966) The Harvey Bassler collection of Peruvian fossils. Bethlehem, Pa., Lehigh University. 255 p.

WOOD, WILLIAM (1856) Index Testaceologicus, an illustrated catalogue of British and foreign shells, containing about 2800 figures accurately coloured after nature. A new and entirely revised edition, with ancient and modern appellations, synonyms, localities, etc., by Sylvanus Hanley. London, Willis and Sotheran. 234 p.

WOODWARD, Arthur Smith (1908) Illustrations of type specimens of Inferior Oolite ammonites in the Sowerby collection. London, printed for the Palaeontographical Society. 33 p.

Catalogs are also published in periodicals, as the following examples:

CHAPPARS, Michael Stephen (1936) Catalog of the type specimens of fossils in the University of Cincinnati Museum. (Ohio Jour Sci., v. 36, no. 1, p. 1-45).

FLEMING, C. A. (1966) Marwick's illustrations of New Zealand shells, with a checklist of New Zealand Cenozoic Mollusca. (New Zealand. Department of Science and Industrial Research. Bull. 173, 456 p.

GRANT, Ulysses Simpson, IV (1931) Catalogue of the marine Pliocene and Pleistocene Mollusca of California and adjacent regions, by U.S. Grant and Hoyt Rodney Gale. (San Diego Society of Natural History. Memoir, v. 1, 1036 p.)

PURNELL, Louis R. (1968) Catalog of the type specimens of invertebrate fossils. Part I: Palaeozoic Cephalopoda. (U.S. National Museum. Bull. 262) Wash., D. C., Govt. Prtg Off. 198 p.

FOSSIL INDEXES

Fossilium Catalogus. I. Animalia. (1913-) 's-Gravenhage, W. Junk. Pars 1-

A comprehensive series; each part is on a separate subject, authored by a specialist.

GRABAU, Amadeus William (1909-1910) North American Index Fossils, Invertebrates, by Amadeus W. Grabau and Hervey Woodburn Shimer. New York, A. G. Seiler. 2 vols.

JOINT COMMITTEE ON INVERTEBRATE PALEONTOLOGY (1953-) Treatise on invertebrate paleontology. Edited by Raymond C. Moore. Boulder, Colo., Geological Society of America and Lawrence, Kansas, University of Kansas Press. In Progress.

A series on the major groups of invertebrate animals. Parts are divided according to phylum, and the orders, classes, and genera in each phylum are described, with references to the literature. Of interest to malacologists:

Part I - Mollusca 1 (Mollusca general features, Scaphopoda, Amphineura, Monoplacophora, Gastropoda general features, Archaeogastropoda, mainly Paleozoic Caenogastropoda and Opisthobranchia) 1960. 351 p., 1732 figs.

Part J - Mollusca 2 (Gastropoda, Streptoneura exclusive of Archaeogastropoda, Euthyneura) In preparation.

Part K - Mollusca 3 (Cephalopoda general features, Endoceratoidea, Actinoceratoidea, Nautiloidea, Bactritoidea) 1964. 519 p., 2382 figs.

Part L - Mollusca 4 (Ammonoidea) 1957. 490 p., 3800 figs. Revision in preparation.

Part M - Mollusca 5 (Coleoidea) In preparation.

Part N - Mollusca 6 (Bivalvia) 3 vols. v. 1 and 2: 1969, 952 p., 6198 figs.; v 3: 1971, 272 p., 742 figs.

SHIMER, Hervey Woodburn (1944) Index fossils of North America; a new work based on the complete revision and reillustration of Grabau and Shimer's North American Index Fossils. (Technology Press, Mass. Inst. of Technology) New York, Wiley; London, Chapman and Hall. 837 p.

HANDBOOKS AND MANUALS

BEERBOWER, James Richard (1971) Field guide to fossils. (Earth Science Curriculum Project. ESCP pamphlet series, PS-4) Boston, Houghton Mifflin. 54 p.

CAMP, Charles Lewis (1937) Methods in paleontology, by Charles L. Camp and G. Dallas Hanna. Berkeley, Univ. of California Press, 153 p.

CHENU, Jean Charles (1859-1862) Manuel de conchyliologie et de paléontologie conchyliologique. Paris, V. Masson. 2 vols.

FISCHER, Paul Henri (1887) Manuel de conchyliologie et de paléontologie conchyliologique; ou, Histoire naturelle des mollusques vivants et fossiles. Paris, F. Savy. 1391 p.

HÖLDER, Helmut (1964) Jura. (Handbuch der stratigraphischen Geologie, Bd. 4) Stuttgart, F. Enke. 603 p.

KIRKALDY, John F. (1967) Fossils in colour. London, Blandford Press. 223 p.

KUMMEL, Bernhard (1965) Handbook of paleontological techniques. Prepared under the auspices of the Paleontological Society. Edited by B. Kummel and David Raup. San Francisco, W. H. Freeman. 852 p.

MIDDLEMISS, Frank Alexander (1968) A guide to invertebrate fossils. (Hutchinson biological monographs) London, Hutchinson, 128 p.

NEAVERSON, Ernest (1928) Stratigraphical palaeontology; a manual for students and field geologists. London, Macmillan. 525 p. (2d ed., revised and enlarged, published by Clarendon Press, Oxford, Eng., 1955, 806 p.)

ORLOV, Yu. A., ed. (1962-) Fundamentals of paleontology. Osnovy Paleontologii. A manual for paleontologists and geologists of the USSR. Translated by the Israel Program for Scientific Translations staff. Jerusalem, published for the National Science Foundation by IPST.

PHILIPPI, Rudolph Amandus (1853) Handbuch der Conchyliologie und Malacozoologie. Halle, E. Anton. 548 p.

PRATT, Henry Sherring (1935) A manual of the common invertebrate animals, exclusive of insects. Revised ed. New York, Macmillan. 854 p.

TRYON, George Washington (1885-1935) Manual of Conchology; structural and systematic, with illustrations of the species. Second series: Pulmonata. Philadelphia. Published by the Conchological Department, Academy of Natural Sciences of Philadelphia. 28 vols.

WEBB, Walter Freeman (1935) A handbook for shell collectors; illustrations and descriptions of 1100 species of Mollusca. Rochester, N.Y., St. Petersburg, Fla., The Author? 146 p.

WOODWARD, Samuel Pickworth (1851-1856) A manual of the Mollusca; or, Rudimentary treatise of Recent and fossil shells. London, J. Weale. 510 p. (Reprint of 4th ed. (1880) publ. by C. Lockwood, London, 1890, 628 p.)

ZITTEL, Karl Alfred *Ritter von* (1880-1893) Handbuch der Palaeontologie. München und Leipzig, R. Oldenbourg. 2 vols. in 5.

NOMENCLATORS

BULLETIN OF ZOOLOGICAL NOMENCLATURE (1943-) London, Printed by order of the International Commission on Zoological Nomenclature and sold by the International Trust for Zoological Nomenclature.

INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE (1961) Code international de nomenclature zoologique, adopté par le XVe Congrès International de Zoologie. Editorial Committee: N. R. Stoll, chairman, and others. London, Published for the International Commission on Zoological Nomenclature by the International Trust for Zoological Nomenclature. 176 p.

NEAVE, Sheffield Airey, ed. (1939-1940) Nomenclator zoologicus; a list of the names of genera and subgenera in zoology from the tenth edition of Linnaeus, 1758, to the end of 1935. Zoological Society of London. 4 vols.

SERIAL PUBLICATIONS

Serial publications are an excellent source of information covering retrospective and current studies in molluscan research. We have previously mentioned bibliographic serials under 'Guide to Information Sources.' In addi-

tion, there are serials of a general or specialized nature in the Orton Library collection. They are issued by governmental agencies (such as geological surveys), associations and scientific societies, universities and other learned institutions, museums, book publishers and private sources as numbered series, monographs, proceedings, and field trip guidebooks. In the following selected list of serials, those titles frequently containing research of interest to malacologists are designated with an asterisk.

GOVERNMENTAL AGENCIES
UNITED STATES
U.S. Geological Survey, Washington, D. C. *(See also publications issued prior to 1879 under its former name 'U. S. Geological and Geographical Survey of the Territories.')*
* Annual Report
* Bulletin
* Journal of Research of the U.S. Geological Survey
* Monograph
* Professional Paper

State geological surveys regularly publish results of regional research in their annual reports, bulletins, circulars, reports of investigations, etc. The publications are indexed, as are those of the U.S.G.S., in the U.S.G.S.'s Bibliography of North American Geology *(discontinued after 1970) and the Geological Society of America's* Bibliography and Index of Geology *(a monthly publication, worldwide in scope). The surveys will supply a list of their publications upon request.*

FOREIGN
Geological surveys or other governmental agencies outside the U.S. issue their publications at irregular intervals. The one notable exception is the Geological Survey of Canada. One may find these publications cited in the aforementioned *Bibliography and index to Geology*.
Attention will be called to the most significant papers published by these agencies in a future publication now in preparation.

ASSOCIATIONS AND SCIENTIFIC SOCIETIES
UNITED STATES
Academy of Natural Sciences of Philadelphia
* Notulae Naturae
* Proceedings
* Monographs
Special Publications
Academy of Sciences of St. Louis
* Transactions
American Association for the Advancement of Science, Washington, D.C.
Proceedings
Science
American Association of Museums, New York
The Museum News
American Association of Petroleum Geologists, Tulsa
Bulletin
American Geographical Society, New York
The Geographical Review
American Geological Institute, Washington, D.C.
* Akademiia Nauk SSR. Doklady: Earth Sciences sections. (English trans.)
* International Geology Review
* Paleontological Journal (Translation of the Russian Paleontologicheskiy Zhurnal)
American Malacological Union, Havertown, Pa.
* The Nautilus
American Philosophical Society, Phila.
Proceedings
Transactions
Association of Geology Teachers, Fort Collins, Colo.
Journal of Geological Education.
Boston Society of Natural History
* Proceedings
Buffalo Society of Natural Sciences
Bulletin
California Academy of Sciences, San Francisco
Proceedings
Cincinnati Society of Natural History
Journal
Connecticut Academy of Arts and Sciences, New Haven
Transactions
Des Moines Academy of Science
Bulletin
Florida Academy of Sciences, Gainesville
Quarterly Journal
Geological Society of America, Boulder, Colo.
* Bulletin
* Memoir
Proceedings (Ceased publication after 1968)
* Special Paper
Gulf Coast Association of Geological Societies, Houston
Transactions
Indiana Academy of Science, Indianapolis
Proceedings
Iowa Academy of Sciences, Des Moines
Proceedings
Michigan Academy of Science, Arts and Letters
Papers
Paleontological Society, Berkeley, Calif.
* Journal of Paleontology
San Diego Society of Natural History
* Memoirs
* Transactions
Sigma Gamma Epsilon, Norman, Okla.
The Compass

Smithsonian Institution, Washington, D.C.
* Annual Report
* Atoll Research Bulletin
* Miscellaneous Collections
* Smithsonian Contributions to Zoology
* Smithsonian Contributions to Paleobiology
Society of Economic Paleontologists and Mineralogists, Tulsa, Okla.
* Journal of Paleontology
Washington Academy of Sciences, Washington, D.C.
Journal
West Virginia Academy of Science, Morgantown, W. Va.
Proceedings

MIDDLE AMERICA
MEXICO
Sociedad Geológica Mexicana, México, D.F.
Boletín
JAMAICA
Geological Society of Jamaica, Kingston
Journal (Geonotes)

SOUTH AMERICA
ARGENTINA
Asociación Geológica Argentina, Buenos Aires
Revista
Asociación Paleontológica Argentina, Buenos Aires
* Ameghiniana
PERU
Sociedad Geológica del Peru, Lima
Boletín

EUROPE
AUSTRIA
Geologische Gesellschaft in Wien
Mitteilungen
BELGIUM
Association pour l'Étude de la Paléontologie et de la Stratigraphie houillères, Bruxelles
* Publication
Société Belge de Géologie, de Paléontologie et d'Hydrologie, Bruxelles
* Bulletin
BULGARIA
Bulgarska Akademiia na Naukite, Sofia. Geologicheski Institut
Trudove vurkhu geologiiata na Bulgariia. Seriia paleontologiia
CZECHOSLOVAKIA
Slovenská Akadémia vied a Umení, Bratislava
Geologický sborník
DENMARK
Denmark. Kommissionen for Videnskabelige Undersøgelser i Grønland, Copenhagen
Meddelelser om Grønland
ENGLAND
British Antarctic Survey, London
Bulletin
East Midlands Geological Society, Nottingham
The Mercian Geologist
Falkland Islands Dependencies Survey, London
Scientific Reports
Geologists' Association, London
Proceedings
Geological Society of London
Journal
Transactions
Liverpool Geological Society
Geological Journal (Published jointly with Manchester Geological Association)
Mineralogical Society, London
The Mineralogical Magazine and Journal of the Mineralogical Society
Palaeontographical Society, London
* Publications
Palaeontological Association, London
* Palaeontology
* Special papers in Palaeontology
Ray Society, London
Publications
Royal Society of London
Philosophical Transactions. Series B: Biological Sciences
Yorkshire Geological Society, Leeds
Proceedings

FRANCE
Société Géologique de France, Paris
* Bulletin
Compte rendu sommaire des séances
* Mémoires, Paléontologie
Société Géologique du Nord, Lille
Annales
Société Nationale des Pétroles d'Aquitaine. Centre de Recherches de Pau
Bulletin

GERMANY
Deutsche Geologische Gesellschaft, Berlin
Zeitschrift
Deutsche Gesellschaft für Geologische Wissenschaften, Berlin
Paläontologische Abhandlungen. Abt. A: Paläozoologie
Deutsche Quartärvereinigung, Hannover
Eiszeitalter und Gegenwart (Published in Öhringen, Württ.
Geologische Vereinigung, Koblenz
Geologische Rundschau (Published in Stuttgart)
Naturforschende Gesellschaft zu Freiburg i. B.
Berichte

HUNGARY
Magyar Földtani Tarsulat Folyóirata, Budapest
Földtani közlöny

IRELAND
Geological Society of Dublin
Journal

ITALY
Accademia Nazionale dei Lincei, Rome. Classe di Scienze Fisiche, Matematiche e Naturali
Memorie (Fisica, chimica, geologia, paleontologia e mineralogia (Atti)

Società di Naturalisti in Napoli
Bolletino
Società Geologica Italiana, Rome
Bolletino
NETHERLANDS
Geologisch-Mynbouwkundig Genootschap voor Nederland en Koloniën, 's-Gravenhage
Verhandelingen .... Geologische serie
NORWAY
Norsk Geologisk Forening, Oslo.
Norsk Geologisk Tiddskrift
Norske Videnskaps-Akademi i Oslo. Matematisk-Naturvidenskapelig Klasse
Skrifter
POLAND
Polska Akademia Nauk, Warsaw
* Acta Palaeontologica Polonica
Polska Akademia Nauk, Oddział w Krakowie
Folia Quaternaria
SCOTLAND
Edinburgh Geological Society
Scottish Journal of Geology (Published jointly with the Geological Society of Glasgow)
Transactions
Geological Society of Glasgow
Transactions
Royal Scottish Geographical Society, Edinburgh
Scottish Geographical Magazine
SPAIN
Sociedad Española de Historia Natural, Madrid
Boletín. Seccion geológica
SWITZERLAND
Société Paléontologique Suisse, Basel
* Schweizerische palaeontologische Abhandlungen. Mémoires suisses de paléontologie
THE SOVIET UNION
RUSSIA
Akademiia Nauk SSSR, Moscow
* Doklady (American Geological Institute publishes an English translation of the 'Earth Sciences' sections)
Geokhimiia
Priroda
UKRAINE
Lvov Geological Society
Geologicheskiĭ sbornik)
Paleontologicheskii sbornik

ASIA
CHINA
Geological Society of China, Peking
Bulletin
JAPAN
Japan Association for Quaternary Research, Tokyo
The Quaternary Research
National Research Council of Japan, Tokyo
Japanese Journal of Geology and Geography; Transactions and Abstracts
Palaeontological Society of Japan, Tokyo
* Special Papers
* Transactions and Proceedings. New Series

AFRICA
Geological Society of South Africa, Johannesburg
Transactions

AUSTRALIA AND OCEANIA
AUSTRALIA
Geological Society of Australia, Adelaide
Journal
Royal Society of Victoria, Melbourne
Proceedings
Royal Society of Western Australia, Perth
Journal
NEW ZEALAND
Royal Society of New Zealand, Wellington
Transactions and Proceedings

UNIVERSITIES AND OTHER INSTITUTIONS
NORTH AMERICA
CANADA (PROVINCES)
ONTARIO
McMaster University. Department of Geology, Hamilton
Publications
Royal Canadian Institute, Toronto
Transactions
UNITED STATES (INDIVIDUAL)
CALIFORNIA
California. University, Berkeley-Los Angeles
* Publications in Geological Sciences
Stanford University. Department of Geology, Stanford, Calif.
Contributions
COLORADO
Colorado. University, Boulder
University of Colorado Studies. Series in Earth Sciences
CONNECTICUT
Yale University, New Haven
* American Journal of Science
Journal of Marine Research (Sears Foundation for Marine Research, Bingham Oceanographic Laboratory
* Radiocarbon
DISTRICT OF COLUMBIA
Carnegie Institution of Washington, Washington, D.C.
Publications
FLORIDA
Miami. University. Marine Laboratory, Coral Gables.
Bulletin of Marine Science of the Gulf and Caribbean
INDIANA
Notre Dame. University, Notre Dame, Ind.
* The American Midland Naturalist

IOWA
Iowa. University, Iowa City
Studies in Natural History
KANSAS
Kansas. University, Topeka
* University of Kansas Paleontological Contributions
LOUISIANA
Tulane University, New Orleans
* Tulane Studies in Geology and Paleontology
MARYLAND
Johns Hopkins University, Baltimore
The Johns Hopkins University Studies in Geology
MISSOURI
Missouri. University, Columbia
The University of Missouri Studies
NEW YORK
Paleontological Research Institution, Ithaca
* Bulletins of American Paleontology
* Palaeontographica Americana
NORTH CAROLINA
Duke University. Department of Geology, Durham
Southeastern Geology
OHIO
Denison University, Granville
* Journal of the scientific laboratories of Denison University
The Ohio State University, Columbus
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